







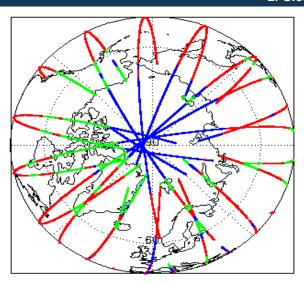
1. Overview

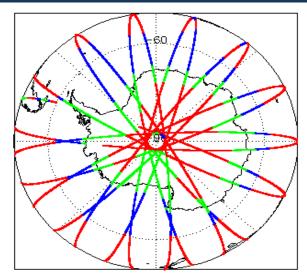
Report Production:	25-Sep-2018		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Near Real Time Ocean Products (NOP)		

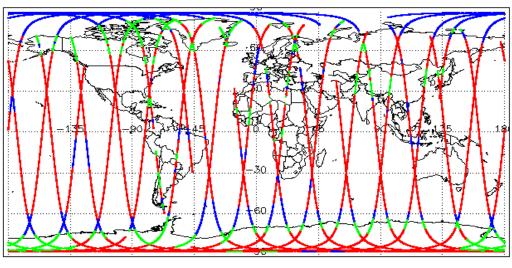
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 5.2
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	Nominal
Measurement 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		
22-Sep-2018	None	
23-Sep-2018	None	
24-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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180923T022918_20180923T023233_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180923T030902_20180923T034226_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: 16

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180923T114142_20180923T115359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180923T140611_20180923T142849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180923T185241_20180923T192554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180923T220915_20180923T224402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180923T184049_20180923T184146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180923T185123_20180923T185240_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180923T215705_20180923T215918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180923T233917_20180923T234015_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T020950_20180923T021709_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T025242_20180923T025426_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T034813_20180923T035244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T074903_20180923T075326_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T184146_20180923T184936_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T193946_20180923T194517_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T231550_20180923T231613_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180923T234016_20180923T234550_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors: 0

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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180923T022918_20180923T023233_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_20180923T030902_20180923T034226_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.

Number of products with errors:

86

Deceluses	Took Folland	Description
Product CS_OFFL_SIR_NOPM_2_20180922T235340_20180923T000638_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T000852_20180923T002822_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T004817_20180923T005842_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T010022_20180923T011359_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T011709_20180923T012212_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T013043_20180923T013141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T013923_20180923T014240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T014949_20180923T015230_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T015353_20180923T020104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T020227_20180923T020437_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T023244_20180923T025241_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T025721_20180923T030128_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T030902_20180923T034226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T040821_20180923T043143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T043517_20180923T044042_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 20180923T044048 20180923T044413 C001		records. The Ice Range Averaging Status Flag has been set for one or more
	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T044758_20180923T045841_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T050419_20180923T051958_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T053359_20180923T053430_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T053553_20180923T054100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T054403_20180923T060502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T060705_20180923T061109_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T061515_20180923T062321_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T062846_20180923T070042_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T071242_20180923T071459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T074359_20180923T074902_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T075451_20180923T080008_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T080725_20180923T082820_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T083105_20180923T084232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 20180923T085154 20180923T085642 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T091209_20180923T091714_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T091902_20180923T092853_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20180923T093613_20180923T093908_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T094632_20180923T102230_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T103354_20180923T103440_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T103528_20180923T104219_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T104233_20180923T110646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T112041_20180923T112303_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T112547_20180923T114138_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T114142_20180923T115359_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T121538_20180923T123122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T124004_20180923T124833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T125501_20180923T125731_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T125756_20180923T130221_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
	I	records.

CB_OFF_BR_NOFM_2_201682311005_2016922114046_001 CB_OFF_BR_NOFM_2_2016822114038_2016922114010_001 CB_OFF_BR_NOFM_2_2016822114038_2016922114010_001 CB_OFF_BR_NOFM_2_2016822114038_2016922114010_001 CB_OFF_BR_NOFM_2_2016822114038_2016922110050_001 CB_OFF_BR_NOFM_2_2016822114038_2016922110050_00	CS_OFFL_SIR_NOPM_2_20180923T130516_20180923T131905_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Committed (1997) A committed (19	CS_OFFL_SIR_NOPM_2_20180923T135053_20180923T135140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Co.CPT_SIN_NOPW_2_201000227114401_201000227114501_201000227114	CS_OFFL_SIR_NOPM_2_20180923T140054_20180923T140448_C001	Ocean Range Averaging Status	
DES. OFFL. SR. NORM 2, 2018002371142242 (201800237154247 201800237154247 (20180023715424 (2018002371542	CS_OFFL_SIR_NOPM_2_20180923T140611_20180923T142849_C001	Ocean Range Averaging Status	
Co.CFFL.SN.NOPHIZ_201000207116459_2010002071610000_COLD Collaboration of the collaboration o	CS_OFFL_SIR_NOPM_2_20180923T143244_20180923T144135_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
GS_CPFL_SIR_NOPM2_201600237116442_2016002371101032_C001 CS_CPFL_SIR_NOPM2_201600237116403_2016002371010032_C001 CS_CPFL_SIR_NOPM2_201600237176403_201600237100032_C001 CS_CPFL_SIR_NOPM2_201600237176403_201600237100032_C001 CS_CPFL_SIR_NOPM2_201600237176002_201600237100032_C001 CS_CPFL_SIR_NOPM2_201600237176003_C001 CS_CPFL_SIR_NOPM2_201600237176003_C001 CS_CPFL_SIR_NOPM2_201600237176003_C001 CS_CPFL_SIR_NOPM2_201600237176003_C001 CS_CPFL_SIR_NOPM2_201600237176003_C001 CS_CPFL_SIR_NOPM2_20160023718003_C001 CS_CPFL_SIR_NOPM2_20160023712003_C001 CS_C	CS_OFFL_SIR_NOPM_2_20180923T144504_20180923T150735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_201800237164052_001800237100032_0019 CS_OFFL_SIR_NOPM_2_201800237174032_001800237170317_0001 Coesa Range Averaging Satus The Coesa Range Av	CS_OFFL_SIR_NOPM_2_20180923T153447_20180923T160823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Coppliance North Accordance 1 (2004) 10 (2004)	CS_OFFL_SIR_NOPM_2_20180923T161459_20180923T161924_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Over Range Averaging Status So, OFFL, SR, NOPM 2, 20180923119321, 20180923119032, CO101 CS, OFFL, SR, NOPM 2, 20180923119321, 20180923119032, CO101 CS, OFFL, SR, NOPM 2, 20180923119331, 20180923119332, CO101 CS, OFFL, SR, NOPM 2, 20180923119331, 20180923119332, CO101 CS, OFFL, SR, NOPM 2, 20180923119350, 20180923119302, CO101 CS, OFFL, SR, NOPM 2, 20180923119350, 2018092311930, CO101 CS, OFFL, SR, NOPM 2, 2018092311931, 2018092311930, CO101 CS, OFFL, SR, NOPM 2, 2018092311931, 201809231120410, CO101 CS, OFFL, SR, NOPM 2, 20180923121135, 20180923121135, CO101 CS, OFFL, SR, NOPM 2, 20180923121135, 20180923121135, CO101 CS, OFFL, SR, NOPM 2, 201809231211435, 20180923121135, CO101 CS, OFFL, SR, NOPM 2, 201809231211435, 2018092312113440, CO101 CS, OFFL, SR, NOPM 2, 201809231211444, CO11 CS, OFFL, SR, NOPM 2, 201809231214445, CO11 CS,	CS_OFFL_SIR_NOPM_2_20180923T162432_20180923T165028_C001	Ocean Range Averaging Status	
See OFFL_SIR_NOPM_2_20180923714020_2019002371907_COULD Cover Range Averaging Status The Lock Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_201809237109023719030_20190023719030_COULD Cover Range Averaging Status The Cover Range Averaging Status The Cover Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_201809237109037109037109038_COULD Cover Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_2018092371109037_101800237109038_COULD Cover Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_201809237110904_COULD COVER Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_20180923710904_COULD COVER Range Averaging Status Flag has been set for one or more records. OS_OFFL_SIR_NOPM_2_20180923710904_COVER RANGE RAN	CS_OFFL_SIR_NOPM_2_20180923T171639_20180923T173117_C001	Ocean Range Averaging Status	
SOFFL_SR_NOPM_2 201809237193020_201809237193530_001 Ocean Range Averaging Status Fine Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SR_NOPM_2 201809237193319_001809237193330_001 Ocean Range Averaging Status Fine Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SR_NOPM_2 20180923719454_201809237194543_0001 Ocean Range Averaging Status Fine Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SR_NOPM_2 20180923719454_20180923719570_0001 Ocean Range Averaging Status Ocean Range Averaging Status Fine Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SR_NOPM_2 20180923719540_001809237192096_001 Ocean Range Averaging Status Incords. I	CS_OFFL_SIR_NOPM_2_20180923T173652_20180923T174621_C001	Ocean Range Averaging Status	
Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Range Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or more fectoris. Cooks Flag Averaging Status Flag has been set for one or mo	CS_OFFL_SIR_NOPM_2_20180923T175414_20180923T180002_C001	Ice Range Averaging Status	
Coen Range Averaging Status Figorous CS_OFFL_SIR_NOPM_2_20180923T194942_0000 CS_OFFL_SIR_NOPM_2_20180923T194944_20180923T196943_0001 CS_OFFL_SIR_NOPM_2_20180923T194944_20180923T196951_C001 CS_OFFL_SIR_NOPM_2_20180923T194944_20180923T196961_C001 CS_OFFL_SIR_NOPM_2_20180923T194944_20180923T196961_C001 CS_OFFL_SIR_NOPM_2_20180923T195514_20180923T1920005_C001 CS_OFFL_SIR_NOPM_2_20180923T201850_20180923T202005_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T204962_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219362_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219362_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219362_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219362_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219362_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T219352_C001 CS_OFFL_SIR_NOPM_2_20180923T219352_C0180923T224185_C001 CS_OFFL_SIR_NOPM_2_20180923T224561_C0180923T224185_C0180923T	CS_OFFL_SIR_NOPM_2_20180923T180328_20180923T181706_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T194514_20180923T194515_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180923T195514_20180923T195512_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been set for one or more ecords. The Ocean Range Averaging Status Flag has been s	CS_OFFL_SIR_NOPM_2_20180923T185241_20180923T192554_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_201809237194044_201809237195051_0001 Ocean Range Averaging Status Fine Ocean Range Averaging Status The Ocean Range Aver	CS_OFFL_SIR_NOPM_2_20180923T193319_20180923T193833_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T195914_20180923T20505_C010 CS_OFFL_SIR_NOPM_2_20180923T205054_20180923T202055_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_20180923T202055_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_20180923T202055_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_20180923T205050_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_20180923T205050_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_20180923T205050_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_C010 CS_OFFL_SIR_NOPM_2_20180923T205050_C010 CS_OFFL_SIR_NOPM_2_20180923T211530_C0010 CS_OFFL_SIR_NOPM_2_20180923T211530_C0010 CS_OFFL_SIR_NOPM_2_20180923T211530_C0010 CS_OFFL_SIR_NOPM_2_20180923T21250_C0180923T211530_C001 CS_OFFL_SIR_NOPM_2_20180923T21250_C0180923T21154144E_C0011 CS_OFFL_SIR_NOPM_2_20180923T21250_C0180923T2114144E_C0011 CS_OFFL_SIR_NOPM_2_20180923T21250_C0180923T214000000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180923T194517_20180923T194843_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_201609237120346_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237202005_C001 CS_OFFL_SIR_NOPM_2_201609237211153_C01609237211320_C001 CS_OFFL_SIR_NOPM_2_201609237211220_201609237211320_C001 CS_OFFL_SIR_NOPM_2_201609237211220_20160923721446_C001 CS_OFFL_SIR_NOPM_2_20160923721200_20160923721448_C001 CS_OFFL_SIR_NOPM_2_20160923721240_20160923721448_C001 CS_OFFL_SIR_NOPM_2_20160923721240_201609237224402_C001 CS_OFFL_SIR_NOPM_2_20160923722240_20160923722460_C001 CS_OFFL_SIR_NOPM_2_201609237222242_1000237225251_C001 CS_OFFL_SIR_NOPM_2_201609237222524_201609237225251_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_201609237225238_201609237225511_C001 CS_OFFL_SIR_NOPM_2_20160923720505_201609237225511_C001 CS_OFFL_SIR_NOPM_2_20160923720505_20160923720505_C001 CS_OFFL_SIR_NOPM_2_20160923720505_20160923700505_C001 CS_OFFL_SIR_NOPM_2_20160923720505_2016092	CS_OFFL_SIR_NOPM_2_20180923T194944_20180923T195511_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T202840_20180923T202899_C001 CS_OFFL_SIR_NOPM_2_20180923T203900_20180923T204126_C001 CS_OFFL_SIR_NOPM_2_20180923T203000_20180923T204126_C001 CS_OFFL_SIR_NOPM_2_20180923T21153_20180923T217356_C001 CS_OFFL_SIR_NOPM_2_20180923T21153_20180923T217356_C001 CS_OFFL_SIR_NOPM_2_20180923T21153_20180923T217356_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T213250_C0180923T211360_C001 CS_OFFL_SIR_NOPM_2_20180923T213250_C0180923T213242_C001 CS_OFFL_SIR_NOPM_2_20180923T21300_C0180923T214146_C001 CS_OFFL_SIR_NOPM_2_20180923T214050_C001 CS_OFFL_SIR_NOPM_2_20180923T21050_C0180923T214560_C001 CS_OFFL_SIR_NOPM_2_20180923T21050_C0180923T214660_C001 CS_OFFL_SIR_NOPM_2_20180923T224051_20180923T22400_C001 CS_OFFL_SIR_NOPM_2_20180923T224051_C0180923T22400_C001 CS_OFFL_SIR_NOPM_2_20180923T224051_C0180923T225018_C001 CS_OFFL_SIR_NOPM_2_20180923T225038_C0180923T225018_C001 CS_OFFL_SIR_NOPM_2_20180923T225038_C0180923T225018_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T225501_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T2000027_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T2000027_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T2000027_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T0000027_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T0000027_C001 CS_OFFL_SIR_NOPM_2_20180923T235050_C0180923T00000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180923T195514_20180923T195702_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T21425_02180923T21416_0001 CS_OFFL_SIR_NOPM_2_20180923T21415_02180923T214130_00001 CS_OFFL_SIR_NOPM_2_20180923T21415_02180923T214130_0001 CS_OFFL_SIR_NOPM_2_20180923T21132_00001 CS_OFFL_SIR_NOPM_2_20180923T21132_00001 CS_OFFL_SIR_NOPM_2_20180923T21132_00001 CS_OFFL_SIR_NOPM_2_20180923T21132_0180923T21130_0001 CS_OFFL_SIR_NOPM_2_20180923T21132_0180923T21130_0001 CS_OFFL_SIR_NOPM_2_20180923T21132_0180923T21130_0001 CS_OFFL_SIR_NOPM_2_20180923T21132_0180923T21130_0001 CS_OFFL_SIR_NOPM_2_20180923T21132_0180923T21414_0001 CS_OFFL_SIR_NOPM_2_20180923T2144_0180923T21446_0001 CS_OFFL_SIR_NOPM_2_20180923T2144_0180923T2145_0001 CS_OFFL_SIR_NOPM_2_20180923T2144_0180923T2146_0001 CS_OFFL_SIR_NOPM_2_20180923T2144_0180923T2140_0001 CS_OFFL_SIR_NOPM_2_20180923T22405_0180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T225_018_00023T225_018_0001 CS_OFFL_SIR_NOPM_2_20180923T23_0001 CS_OFFL_SIR_NOPM_2_20180923T23_0001 CS_OFFL_SIR_NOPM_2_20180923T23_0000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180923T201550_20180923T202005_C001	Ocean Range Averaging Status	
CS_OFF_SIR_NOPM_2_20180923721412250_CO01 CS_OFF_SIR_NOPM_2_201809237211350_CO01 CS_OFF_SIR_NOPM_2_201809237211350_CO01 CS_OFF_SIR_NOPM_2_201809237211327_20180923721135_CO01 CS_OFF_SIR_NOPM_2_201809237212250_C01809237213240_CO01 CS_OFF_SIR_NOPM_2_201809237212250_01809237213240_CO01 CS_OFF_SIR_NOPM_2_201809237212250_01809237213430_C001 CS_OFF_SIR_NOPM_2_201809237212350_C01809237214148_CO01 CS_OFF_SIR_NOPM_2_20180923721240244_201809237214148_CO01 CS_OFF_SIR_NOPM_2_201809237214244_201809237214000000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180923T202846_20180923T202939_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T211320_C001 CS_OFFL_SIR_NOPM_2_20180923T2121250_20180923T213242_C001 CS_OFFL_SIR_NOPM_2_20180923T2132442_C001 CS_OFFL_SIR_NOPM_2_20180923T214244_C0180923T214248_C001 CS_OFFL_SIR_NOPM_2_20180923T214244_C0180923T214246_C001 CS_OFFL_SIR_NOPM_2_20180923T214244_20180923T214240_C001 CS_OFFL_SIR_NOPM_2_20180923T224251_C0180923T214240_C001 CS_OFFL_SIR_NOPM_2_20180923T224251_C0180923T224251_C001 CS_OFFL_SIR_NOPM_2_20180923T224251_C0180923T22518_C001 CS_OFFL_SIR_NOPM_2_20180923T225242_C0180923T22516_C001 CS_OFFL_SIR_NOPM_2_20180923T225251_C001 CS_OFFL_SIR_NOPM_2_20180923T225251_C001 CS_OFFL_SIR_NOPM_2_20180923T225251_C001 CS_OFFL_SIR_NOPM_2_20180923T225251_C001 CS_OFFL_SIR_NOPM_2_20180923T225251_C001 CS_OFFL_SIR_NOPM_2_20180923T225252_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T225252_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T225252_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T22550_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T22550_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T22550_C0180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T231516_C010 CS_OFFL_SIR_NOPM_2_20180923T235505_20180923T200055_C010 CS_OFFL_SIR_NOPM_2_20180923T22550_C0180923T020055_C010923T000550_C010 CS_OFFL_SIR_NOPM_2_20180923T22550_C010 CS_OFFL_SIR_NOPM_2_20180923T125731_C0180923T1093516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_C0180923T1093516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_C0180923T1093516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_C0180923T1093516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C0180923T109355_C001 CS_OFFL_SIR_NOPM_2_20180923T109351_C018092	CS_OFFL_SIR_NOPM_2_20180923T203000_20180923T204126_C001	Ocean Range Averaging Status	
te Range Averaging Status CS_OFFL_SIR_NOPM_2_201809237211327_201809237213242_C001 CS_OFFL_SIR_NOPM_2_20180923721255_021809237213242_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_201809237213430_201809237213446_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180923721424_201809237214466_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180923721424_201809237224402_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 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 Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Rang	CS_OFFL_SIR_NOPM_2_20180923T204412_20180923T210515_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T21250_20180923T21434_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 Fla	CS_OFFL_SIR_NOPM_2_20180923T211153_20180923T211320_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_201809231214340_201809231214448_C001 CS_OFFL_SIR_NOPM_2_201809231214340_201809231214448_C001 CS_OFFL_SIR_NOPM_2_201809231214244_201809231224402_C001 CS_OFFL_SIR_NOPM_2_201809231224051_201809231224402_C001 CS_OFFL_SIR_NOPM_2_2018092312242651_201809231222402_C001 CS_OFFL_SIR_NOPM_2_2018092312224651_201809231225218_C001 CS_OFFL_SIR_NOPM_2_201809231225224_20180923122521_C001 CS_OFFL_SIR_NOPM_2_201809231225224_20180923122521_C001 CS_OFFL_SIR_NOPM_2_201809231225238_20180923122521_C001 CS_OFFL_SIR_NOPM_2_201809231225238_20180923122521_C001 CS_OFFL_SIR_NOPM_2_201809231225238_20180923122521_C001 CS_OFFL_SIR_NOPM_2_201809231225238_201809231235338_C001 CS_OFFL_SIR_NOPM_2_201809231231614_201809231233338_C001 CS_OFFL_SIR_NOPM_2_201809231231614_201809231233338_C001 CS_OFFL_SIR_NOPM_2_20180923123505_20180923122527_C001 CS_OFFL_SIR_NOPM_2_20180923120052_201809231200227_C001 CS_OFFL_SIR_NOPM_2_201809231005_201809231000544_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100055_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100555_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100555_C001 CS_OFFL_SIR_NOPM_2_201809231005_20180923100555_C001 CS_OFFL_SIR_NOPM_2_201809231005_2018092310055355_C001 CS_OFFL_SIR_NOPM_2_201809231005_2018092310055355_C001 CS_OFFL_SIR_NOPM_2_201809231005_2018092310055355_C001 CS_OFFL_SIR_NOPM_2_201809231053359_C001 CS_OFFL_SIR_NOPM_2_201809231105735_C001 CS_OFFL_SIR_NOPM_2_201809231105735_C001 CS_OFFL_SIR_NOPM_2_201809231105735_C001 CS_OFFL_SIR_NOPM_2_2018092311057355_C001 CS_OFFL_SIR_NOPM_2_2018092311057355_C001 CS_OFFL_SIR_NOPM_2_2018092311057355_C	CS_OFFL_SIR_NOPM_2_20180923T211327_20180923T211735_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T24244_20180923T224402_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 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 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	CS_OFFL_SIR_NOPM_2_20180923T212250_20180923T213242_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T22915_20180923T22440_C001 CS_OFFL_SIR_NOPM_2_20180923T22915_20180923T225218_C001 CS_OFFL_SIR_NOPM_2_20180923T225218_C001 CS_OFFL_SIR_NOPM_2_20180923T225224_20180923T225211_C001 CS_OFFL_SIR_NOPM_2_20180923T225224_20180923T225211_C001 CS_OFFL_SIR_NOPM_2_20180923T225238_20180923T225211_C001 CS_OFFL_SIR_NOPM_2_20180923T225238_20180923T225511_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T233338_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T00105_20180923T002027_C001 CS_OFFL_SIR_NOPM_2_20180923T00105_20180923T00055_C001 CS_OFFL_SIR_NOPM_2_20180923T00105_20180923T00055_C001 CS_OFFL_SIR_NOPM_2_20180923T000438_20180923T00055_C001 CS_OFFL_SIR_NOPM_2_20180923T00005_20180923T000050_C001 CS_OFFL_SIR_NOPM_2_20180923T00000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180923T213430_20180923T214148_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T224651_20180923T225218_C001 Lee Range Averaging Status 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 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_20180923T214244_20180923T214650_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T225224_20180923T225231_C001 Lee Range Averaging Status 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 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 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 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_20180923T220915_20180923T224402_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T22528_20180923T225511_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T23550_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T231550_C001 CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T233338_C001 CS_OFFL_SIR_NOPM_2_20180923T231614_20180923T233338_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T02043403_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_20180923T193844_C0180923T193845_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T193834_20180923T193945_C001 COean 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_NOPM_2_20180923T224651_20180923T225218_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T22525_00180923T23155_C001 CS_OFFL_SIR_NOPM_2_20180923T231614_20180923T233338_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_20180923T125756_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T03359_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T03359_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T03359_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T03359_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T03359_C001 CS_OFFL_SIR_NOPM_2_20180923T160824_20180923T16044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_C0180923T16044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_C0180923T16044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_C0180923T16044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_C0180923T16084_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_C0180923T16044_C001 CS_OF	CS_OFFL_SIR_NOPM_2_20180923T225224_20180923T225231_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180923T231614_20180923T23338_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPR_2_20180923T020438_20180923T053359_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 record	CS_OFFL_SIR_NOPM_2_20180923T225238_20180923T225511_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020105_20180923T020227_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPM_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPM_2_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPM_2_20180923T125731_20180923T125756_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPM_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T1053312_20180923T1053359_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CCS_OFFL_SIR_NOPR_2_20180923T16555_20180923T16555_20180923T215705_C001 CCS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCORN_Range_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCORN_Range_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCORN_Range_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCORN_Range_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCCAR_Range_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCCAR_RANGE_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCCAR_RANGE_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCCAR_RANGE_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CCCCAR_RANGE_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T2156555_20180923T215705_C001 CCCCAR_RANGE_Averaging_Status CCC_OFFL_SIR_NOPR_2_20180923T2156555_20180923T215705_C001 CCCCAR_RANGE_AVERAGING_STATUS CCCCAR_RANGE_AVERAGI	CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T231550_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPN_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPN_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPN_2_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPN_2_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T125756_C001 CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T193945_C001 CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPN_2_20180923T03312_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T053359_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CC_EAR 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.	CS_OFFL_SIR_NOPM_2_20180923T231614_20180923T233338_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180923T020438_20180923T020950_C001 CS_OFFL_SIR_NOPN_2_20180923T043403_20180923T043516_C001 CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T125756_C001 CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T125756_C001 CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T053359_C001 CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CC_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.	CS_OFFL_SIR_NOPM_2_20180923T235505_20180924T000644_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180923T043403_20180923T043516_C001 Ice Range Averaging Status CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T125756_C001 Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status 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. CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_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_NOPN_2_20180923T020105_20180923T020227_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180923T1043403_20180923T125756_C001 Ice Range Averaging Status Ice Range Averaging Status Flag has been set for one or more records. Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Flag has been set for one or more records. Ice Range Averaging Status Ice Range Averaging Status	CS_OFFL_SIR_NOPN_2_20180923T020438_20180923T020950_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T053359_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001	CS_OFFL_SIR_NOPN_2_20180923T043403_20180923T043516_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180923T193634_20180923T193945_C001 CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T053359_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_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_NOPN_2_20180923T125731_20180923T125756_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001 CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_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 records.	CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180923T100624_20180923T101044_C001 CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_C001 Ocean Range Averaging Status Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_NOPR_2_20180923T053312_20180923T053359_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_NOPR_2_20180923T160824_20180923T161044_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_NOPR_2_20180923T215655_20180923T215705_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.

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180922T235340_20180923T000638_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR NOPM 2 20180923T000852 20180923T002822 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_20180923T004817_20180923T005842_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_20180923T010022_20180923T011359_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180923T011709_20180923T012212_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T013043_20180923T013141_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_20180923T013923_20180923T014240_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_20180923T014949_20180923T015230_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_20180923T015353_20180923T020104_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180923T020227_20180923T020437_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_20180923T023244_20180923T025241_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T025721_20180923T030128_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180923T030902_20180923T034226_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_20180923T040821_20180923T043143_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_20180923T043517_20180923T044042_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T044048_20180923T044413_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T044758_20180923T045841_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180923T050419_20180923T051958_C001	SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180923T053553_20180923T054100_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_20180923T054403_20180923T060502_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_20180923T060705_20180923T061109_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180923T061515_20180923T062321_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T062846_20180923T070042_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_20180923T071242_20180923T071459_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_20180923T074359_20180923T074902_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_20180923T075451_20180923T080008_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T080725_20180923T082820_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180923T083105_20180923T084232_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_20180923T085154_20180923T085642_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_20180923T091209_20180923T091714_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_20180923T091902_20180923T092853_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180923T093613_20180923T093908_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T094632_20180923T102230_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_20180923T103354_20180923T103440_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_20180923T103528_20180923T104219_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_20180923T104233_20180923T110646_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	Backscatter Averaging Status Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T112547_20180923T114138_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_20180923T114142_20180923T115359_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_20180923T121538_20180923T123122_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180923T124004_20180923T124833_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_20180923T125756_20180923T130221_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T130516_20180923T131905_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_20180923T135053_20180923T135140_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_20180923T140054_20180923T140448_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180923T140611_20180923T142849_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	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180923T143244_20180923T144135_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_20180923T144504_20180923T150735_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_20180923T153447_20180923T160823_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180923T161459_20180923T161924_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20180923T162432_20180923T165028_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_20180923T171639_20180923T173117_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_20180923T173652_20180923T174621_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_20180923T175414_20180923T180002_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T180328_20180923T181706_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_20180923T185241_20180923T192554_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_20180923T193319_20180923T193833_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T194517_20180923T194843_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_20180923T195514_20180923T195702_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_20180923T201550_20180923T202005_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_20180923T203000_20180923T204126_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_20180923T204412_20180923T210515_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_20180923T211153_20180923T211320_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T211327_20180923T211735_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T212250_20180923T213242_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_20180923T213430_20180923T214148_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_20180923T214244_20180923T214650_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_20180923T220915_20180923T224402_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_20180923T224651_20180923T225218_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T225224_20180923T225231_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T225238_20180923T225511_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180923T230320_20180923T231550_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_20180923T231614_20180923T233338_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_20180923T235505_20180924T000644_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_20180923T020105_20180923T020227_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_20180923T020438_20180923T020950_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_20180923T043403_20180923T043516_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180923T125731_20180923T125756_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180923T193834_20180923T193945_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_20180923T053312_20180923T053359_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_20180923T160824_20180923T161044_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_20180923T215655_20180923T215705_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: