



1. Overview

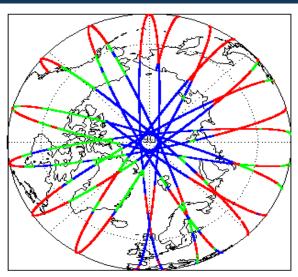
Report Production:	03-Sep-2018	
rtoport i roddotion.	03-3ер-2016	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

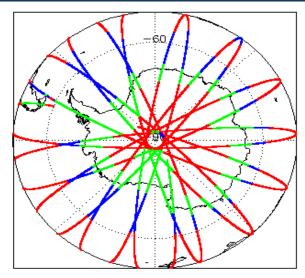
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

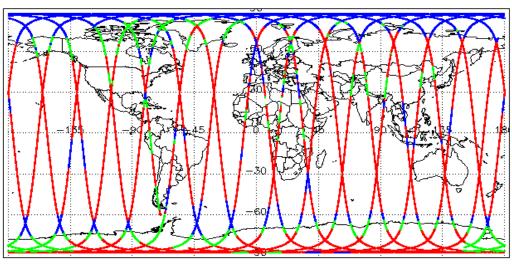
Mission / Instrument News		
03-Aug-2018	None	
04-Aug-2018	None	

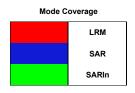
05-Aug-2018 Nothing planned

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. GOP 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 GOPR 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		Description
CS_OFFL_SIR_GOPM1B_20180804T032823_20180804T033846_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180804T043520_20180804T044107_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180804T163746_20180804T164330_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 some products over land, but this is to be expected.

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180804T024859_20180804T030533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180804T042802_20180804T043237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180804T145515_20180804T151125_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180804T195612_20180804T201120_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T030605_20180804T030643_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T030857_20180804T030929_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T044903_20180804T044945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T100324_20180804T100440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T121914_20180804T122426_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T131016_20180804T131402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T152850_20180804T153459_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T162829_20180804T162926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T162932_20180804T163042_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T212105_20180804T212145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T213127_20180804T213253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180804T234728_20180804T235145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180804T072542_20180804T072811_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180804T080502_20180804T081244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180804T211041_20180804T211149_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180804T221955_20180804T222302_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180804T224854_20180804T225052_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP 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:

0

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:

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

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180804T032823_20180804T033846_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180804T043520_20180804T044107_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180804T163746_20180804T164330_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. 80

Company Description Description Company Description	Product	Test Failed	Description
So, OFFE, SIG, OFFE 2, 2116604T102819, 2016004T101810, C001 CS, OFFE, SIR, COPPL 2, 2116604T102819, 2016004T101810, C001 CS, OFFE, SIR, COPPL 2, 2016004T101807, 2016004T101806, C001 CS, OFFE, SIR, COPPL 2, 2016004T102810, 2016004T102810, C001 CS, OFFE, SIR, COPPL 2, 2016004T102810, 2016004T102810, C001 CS, OFFE, SIR, COPPL 2, 2016004T102820, 2016004T102820, C001 CS, OFFE, SIR, COPPL 2, 2016004T104820, 2016004T104820, C001 C			The Ocean Range Averaging Status Flag has been set for one or more
Section of the processing database in the common control of the co	CS_OFFL_SIR_GOPM_2_20180804T004414_20180804T004421_C001	Ice Range Averaging Status	
or fragile vineaging Status Flag has been set for one or more code, OFFL, SR, QORM 2, 20160047103922 20160047103920 CODE CR, OFFL, SR, QORM 2, 20160047103920 20160047103920 CODE CR, OFFL, SR, QORM 2, 20160047102920 20160047102920, CODE CR, OFFL, SR, QORM 2, 20160047102920 20160047102920 CODE CR, OFFL, SR, QORM 2, 20160047102920 20160047102930 CODE CR, OFFL, SR, QORM 2, 2016004710292 20160047104095, CODE CR, OFFL, SR, QORM 2, 20160047104092 20160047104095, CODE CR, OFFL, SR, QORM 2,	CS_OFFL_SIR_GOPM_2_20180804T005509_20180804T012638_C001	Ocean Range Averaging Status	
South Herspit Annealing Status Second State (1997) and before the ment of the control ment of the Cours Range Averaging Status Fine Range Averagin	CS_OFFL_SIR_GOPM_2_20180804T012819_20180804T013053_C001	Ice Range Averaging Status	
Co.PFL.SR. COPM 2_010004071296_010004071296_00100041704050_0010 CS. OFFL.SR. COPM 2_010004071296_01000407120297_CO11 CS. OFFL.SR. COPM 2_01000407120293_01000407120405_001001 CS. OFFL.SR. COPM 2_01000407120403_01000407120405_01001 CS. OFFL.SR. COPM 2_01000407120403_01000407120405_01001 CS. OFFL.SR. COPM 2_01000407120403_01000407120405_01001 CS. OFFL.SR. COPM 2_01000407120403_01000407120405_01001 CS. OFFL.SR. COPM 2_01000407120403_01000407100041_C001 CS. OFFL.SR. COPM 2_0100047120403_01000407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_0100407100040_01004071000407100040710004071000407100040710004071000407100040710004007100040710	CS_OFFL_SIR_GOPM_2_20180804T013905_20180804T015345_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180841702332_20180841702332_CO01 CS_OFFL_SIR_GOPM_2_20180841702332_20180841702332_CO01 CS_OFFL_SIR_GOPM_2_20180841702332_20180841702332_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_20180841702341_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_20180841702341_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_20180841702342_CO01 CS_OFFL_SIR_GOPM_2_2018084170232_CO01 CS_OFFL_SIR_GOPM_2_2018084170231_20180841702432_CO01 CS_OFFL_SIR_GOPM_2_2018084170231_20180841702432_CO01 CS_OFFL_SIR_GOPM_2_2018084170231_20180841702432_CO01 CS_OFFL_SIR_GOPM_2_2018084170231_20180841702432_CO01 CS_OFFL_SIR_GOPM_2_2018084170241_20180841702432_CO01 CS_OFFL_SIR_GOPM_2_2018084170241_20	CS_OFFL_SIR_GOPM_2_20180804T015827_20180804T021534_C001	Ocean Range Averaging Status	
Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T003405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T00240_0001 Co. DFFL_SIR_COPM_2_0180840T002403_0180840T002405_0001 Co. DFFL_SIR_COPM_2_0180840T002403_000180840T002405_0001 Co. DFFL_SIR_COPM_2_0180840T004003_0180840T002405_0001 Co. DFFL_SIR_COPM_2_0180840T004003_0180840T002405_0001 Co. DFFL_SIR_COPM_2_0180840T004003_0180840T004005_0001 Co. DFFL_SIR_COPM_2_0180840T004003_0180840T0044005_0001 Co. DFFL_SIR_COPM_2_0180840T004003_0001 Co. DFFL_SIR_COPM_2_01	CS_OFFL_SIR_GOPM_2_20180804T021749_20180804T022306_C001	Ice Range Averaging Status	
See OFFL, SRI, COPM 2, 20180804103282, 20180804103535, CO11 CS, OFFL, SRI, COPM 2, 20180804103282, 20180804103546, CO11 CS, OFFL, SRI, COPM 2, 20180804103282, 20180804103546, CO11 CS, OFFL, SRI, COPM 2, 20180804103282, 20180804103546, CO11 CS, OFFL, SRI, COPM 2, 2018080410410355, 201808041041320, CO11 CS, OFFL, SRI, COPM 2, 201808041041035, 201808041041200, CO11 CS, OFFL, SRI, COPM 2, 201808041041020, 201808041041200, CO11 CS, OFFL, SRI, COPM 2, 201808041041200, 20180804104200, CO11 CS, OFFL, SRI, COPM 2, 201808041041200, 20180804104200, CO11 CS, OFFL, SRI, COPM 2, 20180804104120, 20180804104200, CO11 CS, OFFL, SRI, COPM 2, 20180804104140, 20180804105430, CO11 CS, OFFL, SRI, COPM 2, 201808041054140, 201808041054430, CO11 CS, OFFL, SRI, COPM 2, 201808041074220, CO11 CS, O	CS_OFFL_SIR_GOPM_2_20180804T022325_20180804T022337_C001	Ice Range Averaging Status	
CS_OFFL_SIR_COPM_2_20180804104826_20180804103436_C001 CS_OFFL_SIR_COPM_2_201808041054026_20180804103417_C001 CS_OFFL_SIR_COPM_2_201808041054026_20180804103437_C001 CS_OFFL_SIR_COPM_2_201808041054026_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041054026_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041041032_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041041032_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041041032_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041041032_201808041041200_C001 CS_OFFL_SIR_COPM_2_201808041041032_201808041041200_C001 CS_OFFL_SIR_COPM_2_2018080410410432_2018080410410410410410410410410410410410410410	CS_OFFL_SIR_GOPM_2_20180804T023320_20180804T024645_C001	Ocean Range Averaging Status	
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SO CPFL_SIR_GOTM_2_20180804T04025_20180804T04025_0001 So CPFL_SIR_GOTM_2_20180804T04025_20180804T04025_0001 So CPFL_SIR_GOTM_2_20180804T04025_20180804T04025_0001 CS CPFL_SIR_GOTM_2_20180804T04105_20180804T04205_0001 CS CPFL_SIR_GOTM_2_20180804T04025_20180804T04205_0001 CS CPFL_SIR_GOTM_2_20180804T04105_20180804T04205_0001 CS CPFL_SIR_GOTM_2_20180804T04205_20180804T04205_0001 CS CPFL_SIR_GOTM_2_20180804T04205_20180804T04205_0001 CS CPFL_SIR_GOTM_2_20180804T04105_00180804T042	CS_OFFL_SIR_GOPM_2_20180804T032823_20180804T033846_C001	Ocean Range Averaging Status	
Les CPFL_SIR_GOPM_2_20180804T04052_20180804T04020_C001 Ocean Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. Ocean Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos. File CoR Range Averaging Status Flag has been set for one or more ecocos.	CS_OFFL_SIR_GOPM_2_20180804T034026_20180804T035417_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180804T041032_0001 Ocean Range Averaging Status Fine Ocean Rang	CS_OFFL_SIR_GOPM_2_20180804T035715_20180804T040216_C001	Ice Range Averaging Status	
Cospin Range Averaging Status Feconia Range Averaging Status F	CS_OFFL_SIR_GOPM_2_20180804T040254_20180804T040355_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20188884T043520_20188804T05442_C010 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_2018884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05443_C001 CS_OFFL_SIR_GOPM_2_20188884T05447_20188804T05442_C001 CS_OFFL_SIR_GOPM_2_20188884T05442_20188804T071227_C001 CS_OFFL_SIR_GOPM_2_20188884T071527_20188804T072047_C001 CS_OFFL_SIR_GOPM_2_20188884T07428_20188804T073848_C001 CS_OFFL_SIR_GOPM_2_20188884T07428_20188804T086040_C001 CS_OFFL_SIR_GOPM_2_20188884T084742_20188804T086040_C001 CS_OFFL_SIR_GOPM_2_20188884T084742_20188804T086040_C001 CS_OFFL_SIR_GOPM_2_20188804T08427_20188804T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T08427_20188804T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T08427_20188804T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T08427_20188804T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188804T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T082096_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T084396_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T084396_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T084396_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T084396_C001 CS_OFFL_SIR_GOPM_2_20188804T084747_20188004T105456_C001 CS_OFFL_SIR_GOPM_2_20188004T105450_20188004T08456_C001 CS_OFFL_SIR_GOPM_2_20188004T105450_20188004T08456_C001 CS_OFFL_SIR_GOPM_2_20188004T105450_20188004T105450_C001 CS_OFFL_SIR_GOPM_2_20188004T105450_20188004T105450_C001 CS_OFFL_SIR_GOPM_2_20188004T105450_20188004T105450_C001 CS_OFFL_SIR_GOPM_2_20	CS_OFFL_SIR_GOPM_2_20180804T041050_20180804T041200_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20188804T04826_20188084T04107_C001 Coean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20188084T051455_20188084T054234_2001 Coean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20188084T054455_20188084T054234_2001 Coean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20188084T064824_20188084T071222_C001 CS_OFFL_SIR_GOPM_2_20188084T071227_20188084T072247_C001 CS_OFFL_SIR_GOPM_2_20188084T071227_20188084T072247_C001 CS_OFFL_SIR_GOPM_2_20188084T071227_20188084T07247_C001 CS_OFFL_SIR_GOPM_2_20188084T072426_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T072426_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T07426_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T080840_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T081542_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T085527_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T085527_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T085527_20188084T084380_C001 CS_OFFL_SIR_GOPM_2_20188084T10855_27_20188084T084380_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. The Ocean Range Averaging Status Flag	CS_OFFL_SIR_GOPM_2_20180804T041633_20180804T042323_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180804T051147_20180804T053244_C001 CS_OFFL_SIR_GOPM_2_20180804T05455_20180804T05433_C001 CS_OFFL_SIR_GOPM_2_20180804T05455_20180804T071222_C001 CS_OFFL_SIR_GOPM_2_20180804T05457_20180804T071222_C001 CS_OFFL_SIR_GOPM_2_20180804T074824_20180804T071222_C001 CS_OFFL_SIR_GOPM_2_20180804T074824_20180804T071224_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T072047_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T072047_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T072047_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T072047_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T072047_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T080404_C001 CS_OFFL_SIR_GOPM_2_20180804T074282_20180804T080406_C001 CS_OFFL_SIR_GOPM_2_20180804T08422_20180804T082059_C001 CS_OFFL_SIR_GOPM_2_20180804T08432_20180804T084339_C001 CS_OFFL_SIR_GOPM_2_20180804T084324_20180804T084339_C001 CS_OFFL_SIR_GOPM_2_20180804T084332_C001 CS_OFFL_SIR_GOPM_2_20180804T10413_C001 CS_OFFL_SIR_GOPM_2_20180804T10413_C001 CS_OFFL_SIR_GOPM_2_20180804T104111_C0180804T110455_C001 COean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20180804T042802_20180804T043237_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180804T05455_20180804T054342_CO01 CS_OFFL_SIR_GOPM_2_20180804T054547_20180804T05433_CO01 CS_OFFL_SIR_GOPM_2_20180804T054547_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07527_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07527_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07527_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07527_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07527_20180804T072047_CO01 CS_OFFL_SIR_GOPM_2_201808084T07521_20180804T073848_CO01 CS_OFFL_SIR_GOPM_2_20180804T07428_20180804T080040_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T081421_20180804T084339_CO01 CS_OFFL_SIR_GOPM_2_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T1041555_20180804T10240_CO01 CS_OFFL_SIR_GOPM_2_20180804T1041511_20180804T102805_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1122840_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1122840_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1122840_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1122840_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1122840_CO01 CS_OFFL_SIR_GOPM_2_20180804T111110_C0180804T1122840_CO01 CS_OFFL_SIR_GOPM_2	CS_OFFL_SIR_GOPM_2_20180804T043520_20180804T044107_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201808047054847_201808047051822_CO11 Ocean Range Averaging Status The Ocean Ran	CS_OFFL_SIR_GOPM_2_20180804T051147_20180804T053244_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180804T078424_20180804T071222_CO01 CS_OFFL_SIR_GOPM_2_20180804T078242_CO01 CS_OFFL_SIR_GOPM_2_20180804T078241_20180804T07844_CO01 CS_OFFL_SIR_GOPM_2_20180804T078241_20180804T078448_CO01 CS_OFFL_SIR_GOPM_2_20180804T074242_0180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T074242_0180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T081516_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T08139_CO01 CS_OFFL_SIR_GOPM_2_20180804T08142_20180804T08139_CO01 CS_OFFL_SIR_GOPM_2_20180804T08139_CO01 CS_OFFL_SIR_GOPM_2_20180804T082342_20180804T08139_CO01 CS_OFFL_SIR_GOPM_2_20180804T08527_20180804T080527_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T090327_20180804T090324_CO01 CS_OFFL_SIR_GOPM_2_20180804T103552_20180804T1094036_CO01 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T109403_CO01 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T109403_CO01 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T103459_CO01 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T103459_CO01 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T113233_CO01 CS_OFFL_SIR_GOPM_2_20180804T113111_20180804T113233_CO01 CS_OFFL_SIR_GOPM_2_20180804T113111110_20180804T113233_CO01 CS_OFFL_SIR_GOPM_2_20180804T11311110_20180804T113233_CO01 CS_OFFL_SIR_GOPM_2_20180804T11311110_20180804T113233_CO01 CS_OFFL_SIR_GOPM_2_20180804T113234_CO01 CS_OFFL_SIR_GOPM_2_20180804T113234_CO01 CS_OFFL_SIR_GOPM_2_20180804T113214_CO01 CS_OFFL_SIR_GOPM_2_20180804T113214_CO01 CS_OFFL_SIR_GOPM_2_20180804T113214_CO01 CS_OFFL_SIR_GOPM_2_20180804T113214_CO01	CS_OFFL_SIR_GOPM_2_20180804T054155_20180804T054433_C001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20180804T090827_20180804T094036_C001 CS_OFFL_SIR_GOPM_2_20180804T095333_20180804T095456_C001 CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T111254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1113537_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1113537_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115013_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115013_C001 CS_OFFL_SIR_GOPM_2_20180804T115013_C0180804T115013_C001 CS_OFFL_SIR_GOPM_2_20180804T115013_C0180804T115013_C001 CS_OFFL_SIR_GOPM_2_20180804T115013_C0180804T115013_C001 CS_OFFL_SIR_GOPM_2_20180804T115005_C0180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115005_C0180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115005_C0180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 COCEAN 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 r	CS_OFFL_SIR_GOPM_2_20180804T084717_20180804T085148_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T1094036_C001 CS_OFFL_SIR_GOPM_2_20180804T1095333_20180804T095456_C001 CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1113537_C001 CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T1113208_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T1120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T1121914_C001 CS_OFFL_SIR_GOPM_2_20180804T112640_20180804T112114_C001 CS_OFFL_SIR_GOPM_2_20180804T112640_20180804T112114_C001 CS_OFFL_SIR_GOPM_2_20180804T112640_20180804T112114_C001 CC_CORR Range Averaging Status CC_CO	CS_OFFL_SIR_GOPM_2_20180804T085527_20180804T090324_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T103555_20180804T102940_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T111254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T1113537_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T11505_20180804T1120933_C001 CS_OFFL_SIR_GOPM_2_20180804T1121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CCS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CCS_OFFL_SIR_GOPM_2_20180804T121640_20180804T130248_C001 CCS_OFFL_SIR_GOPM_2_20180804T121640_20180804T130248_C001 CCS_OFFL_SIR_GOPM_2_201808	CS_OFFL_SIR_GOPM_2_20180804T090827_20180804T094036_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T101335_20180804T104013_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_C001 CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T1120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T12640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T12640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T12640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T12640_20180804T130248_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. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_GOPM_2_20180804T095333_20180804T095456_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_C001 CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_C001 CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T130248_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T130248_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.	CS_OFFL_SIR_GOPM_2_20180804T101555_20180804T102940_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T111254_C001 Ocean Range Averaging Status CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_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_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T1120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T126638_20180804T130248_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.	CS_OFFL_SIR_GOPM_2_20180804T103459_20180804T104013_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T130248_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T130248_C001 CS_OFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001 CC_GOFFL_SIR_GOPM_2_20180804T130248_C001	CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121914_C001 CS_OFFL_SI	CS_OFFL_SIR_GOPM_2_20180804T111110_20180804T112254_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T115111_20180604T115717_C001 CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121914_C00	CS_OFFL_SIR_GOPM_2_20180804T113208_20180804T113537_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T121940_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T121914_C001 CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T121914_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPM_2_20180804T115111_20180804T115717_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201800041121640_201800041121914_C001 CS_OFFL_SIR_GOPM_2_201808041122638_201808041130248_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPM_2_20180804T115905_20180804T120933_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_C001	Ice Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180804T122638_20180804T130248_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20180804T131437_20180804T134648_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T135626_20180804T135821_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T140024_20180804T140326_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T140551_20180804T142047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T142127_20180804T143336_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T145016_20180804T145229_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T145515_20180804T151125_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T153459_20180804T153740_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T153758_20180804T154226_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T154521_20180804T155912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T160052_20180804T160335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T163746_20180804T164330_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T164614_20180804T164857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T164904_20180804T170919_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T171252_20180804T172135_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T172452_20180804T174848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T182050_20180804T184826_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T185507_20180804T185928_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T190411_20180804T193117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T193554_20180804T194131_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T195612_20180804T201120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T201653_20180804T202641_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T203420_20180804T204007_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T204302_20180804T204751_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T205119_20180804T205833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T211911_20180804T212041_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T213254_20180804T220615_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T221325_20180804T221838_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T222432_20180804T223944_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T225554_20180804T225710_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T231008_20180804T232130_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T232416_20180804T234522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T021613_20180804T021749_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T022338_20180804T022340_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T140326_20180804T140449_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T185353_20180804T185507_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180804T130249_20180804T130409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180804T144222_20180804T144735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180804T202642_20180804T203030_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
	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_GOPM_2_20180804T004414_20180804T004421_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180804T015827_20180804T021534_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T021749_20180804T022306_C001	Ice Backscatter Averaging Status	records. The loe Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T022325_20180804T022337_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180804T023320_20180804T024645_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_GOPM_2_20180804T024859_20180804T030533_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_GOPM_2_20180804T032823_20180804T033846_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_GOPM_2_20180804T034026_20180804T035417_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_GOPM_2_20180804T035715_20180804T040216_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T040254_20180804T040355_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T041633_20180804T042323_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_GOPM_2_20180804T042802_20180804T043237_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_GOPM_2_20180804T043520_20180804T044107_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_GOPM_2_20180804T051147_20180804T053244_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180804T054155_20180804T054433_C001	Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180804T054847 20180804T061629 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180804T064824_20180804T071222_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_GOPM_2_20180804T071527_20180804T072047_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T072054_20180804T072419_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_GOPM_2_20180804T072811_20180804T073848_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_GOPM_2_20180804T074426_20180804T080040_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_GOPM_2_20180804T081421_20180804T081516_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180804T082342_20180804T084339_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_GOPM_2_20180804T084717_20180804T085148_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_GOPM_2_20180804T085527_20180804T090324_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T090827_20180804T094036_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_GOPM_2_20180804T101555_20180804T102940_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_GOPM_2_20180804T103459_20180804T104013_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T104711_20180804T110825_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_GOPM_2_20180804T111110_20180804T112254_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_GOPM_2_20180804T113208_20180804T113537_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_GOPM_2_20180804T115111_20180804T115717_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_GOPM_2_20180804T115905_20180804T120933_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180804T121640_20180804T121914_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_GOPM_2_20180804T122638_20180804T130248_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180804T131437_20180804T134648_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 GOPM 2 20180804T135626 20180804T135821 C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T140024_20180804T140326_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_GOPM_2_20180804T140551_20180804T142047_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_GOPM_2_20180804T142127_20180804T143336_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T145016_20180804T145229_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_GOPM_2_20180804T145515_20180804T151125_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180804T152752_20180804T152839_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_GOPM_2_20180804T153459_20180804T153740_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T153758_20180804T154226_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T154521_20180804T155912_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_GOPM_2_20180804T160052_20180804T160335_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_GOPM_2_20180804T164614_20180804T164857_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_GOPM_2_20180804T164904_20180804T170919_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_GOPM_2_20180804T171252_20180804T172135_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T172452_20180804T174848_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_GOPM_2_20180804T182050_20180804T184826_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_GOPM_2_20180804T185507_20180804T185928_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180804T190411_20180804T193117_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	records. The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T195612_20180804T201120_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_GOPM_2_20180804T201653_20180804T202641_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_GOPM_2_20180804T203420_20180804T204007_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T204302_20180804T204751_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_GOPM_2_20180804T211911_20180804T212041_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_GOPM_2_20180804T213254_20180804T220615_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_GOPM_2_20180804T221325_20180804T221838_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180804T222432_20180804T223944_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_GOPM_2_20180804T225554_20180804T225710_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_GOPM_2_20180804T225808_20180804T225952_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_GOPM_2_20180804T231008_20180804T232130_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_GOPM_2_20180804T232416_20180804T234522_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_GOPN_2_20180804T021613_20180804T021749_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T022338_20180804T022340_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180804T140326_20180804T140449_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_GOPN_2_20180804T185353_20180804T185507_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180804T130249_20180804T130409_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_GOPR_2_20180804T144222_20180804T144735_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_GOPR_2_20180804T202642_20180804T203030_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:

6. GOP L2 Pole-to-Pole Data Quality Check

6.1 P2P 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 NetCDF product file (.nc).

Number of products with errors:

6.2 P2P 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:

6.3 P2P 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:

6.4 P2P Auxiliary Correction Error Check

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

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Number of products with errors: 0

6.5 P2P Measurement Confidence Data Check

CryoSat P2P 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_GOP_2_20180804T031255_20180804T040234_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20180804T040234_20180804T045208_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20180804T162643_20180804T171623_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

CryoSat P2P 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 P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180803T235427_20180804T004407_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T004407_20180804T013341_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T013341_20180804T022320_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T022320_20180804T031255_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T031255_20180804T040234_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T040234_20180804T045208_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T045208_20180804T054148_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T054148_20180804T063122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T063122_20180804T072101_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T072101_20180804T081035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T081035_20180804T090015_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T090015_20180804T094949_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T094949_20180804T103928_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T103928_20180804T112903_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T112903_20180804T121842_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T121842_20180804T130816_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T130816_20180804T135755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T135755_20180804T144730_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T144730_20180804T153709_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T153709_20180804T162643_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T162643_20180804T171623_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T171623_20180804T180557_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T180557_20180804T185536_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T185536_20180804T194511_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T194511_20180804T203450_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T203450_20180804T212424_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T212424_20180804T221404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T221404_20180804T230338_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P 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 P2P 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_GOP_220180803T235427_20180804T004407_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T004407_20180804T013341_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T013341_20180804T022320_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T022320_20180804T031255_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_GOP_2_20180804T031255_20180804T040234_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T040234_20180804T045208_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180804T045208_20180804T054148_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T054148_20180804T063122_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_GOP_220180804T063122_20180804T072101_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T072101_20180804T081035_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_GOP_2_20180804T081035_20180804T090015_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T090015_20180804T094949_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_GOP_220180804T094949_20180804T103928_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T103928_20180804T112903_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_GOP_2_20180804T112903_20180804T121842_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_GOP_2_20180804T121842_20180804T130816_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_GOP_2_20180804T130816_20180804T135755_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_GOP_2_20180804T135755_20180804T144730_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T144730_20180804T153709_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T153709_20180804T162643_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T162643_20180804T171623_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T171623_20180804T180557_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T180557_20180804T185536_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_GOP_2_20180804T185536_20180804T194511_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T194511_20180804T203450_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_GOP_2_20180804T203450_20180804T212424_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T212424_20180804T221404_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_GOP_2_20180804T221404_20180804T230338_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180804T230338_20180804T235317_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180803T235427_20180804T004407_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T004407_20180804T013341_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T013341_20180804T022320_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T022320_20180804T031255_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T031255_20180804T040234_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T040234_20180804T045208_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T045208_20180804T054148_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T054148_20180804T063122_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T063122_20180804T072101_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T072101_20180804T081035_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T081035_20180804T090015_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T090015_20180804T094949_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T094949_20180804T103928_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T112903_20180804T121842_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T121842_20180804T130816_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T130816_20180804T135755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T135755_20180804T144730_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T144730_20180804T153709_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T153709_20180804T162643_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T162643_20180804T171623_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_2_20180804T171623_20180804T180557_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T180557_20180804T185536_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T185536_20180804T194511_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180804T194511_20180804T203450_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_GOP_220180804T203450_20180804T212424_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CC OFFI CID COD 2 20400004T242424 20400004T224404 C004	Ocean Detrocking Quality Flor	The Ocean Detrocking Quality Flor has been set for one or more records
CS_OFFL_SIR_GOP_220180804T212424_20180804T221404_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS OFFI SID COD 2 20100004T221404 20100004T220220 C001	Ocean Retracking Quality Flag	The Ocean Betracking Quality Flag has been set for one or more records
CS_OFFL_SIR_GOP_220180804T221404_20180804T230338_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CC OFFI CID COD 2 20400004T220220 20400004T22F247 C004	Ocean Detrocking Quality Flor	The Ocean Detrocking Quality Flor has been set for one or more records
CS_OFFL_SIR_GOP_220180804T230338_20180804T235317_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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