



1. Overview

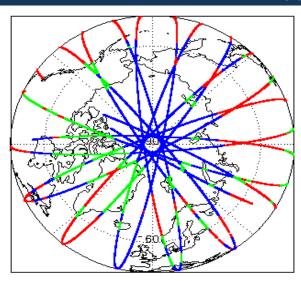
Report Production:	01-Jun-2018	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

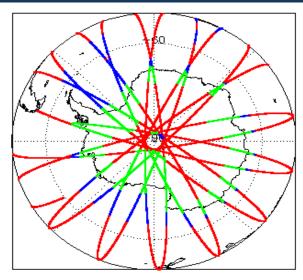
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
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

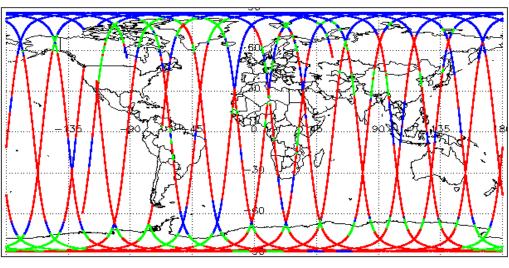
Mission / Instrument News		
01-May-2018	None	
02-May-2018	None	

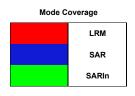
03-May-2018 Nothing planned

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:

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:

16

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180502T065909_20180502T071113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180502T173905_20180502T175619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180502T191802_20180502T193327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180502T193529_20180502T194451_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180502T031912_20180502T032029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180502T050138_20180502T050543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180502T182248_20180502T182732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180502T200152_20180502T200301_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T014615_20180502T015407_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T031328_20180502T031524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T050543_20180502T051335_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T100215_20180502T100732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T105950_20180502T110027_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T123841_20180502T124029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T150607_20180502T150708_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180502T231630_20180502T232120_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:

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:

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:

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180502T002122_20180502T003547_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T004124_20180502T005248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

Co.OHL.S. (COMPL. 2010002110102. 2010002110102. COMP. COMP. COMP. COMP. 2010002110102. COMP. 2010002110102. COMP. COMP. 201000			The Ice Range Averaging Status Flag has been set for one or more
Cort., Silk. Cort. 2, 21000021010329_2000022110300_CORT. Cort., Silk. Cort. 2, 21000021010339_2000022110300_CORT. Cort., Silk. Cort. 2, 21000021010339_2000022110300_CORT. Cort., Silk. Cort. 2, 21000021010339_20000221103000_CORT. Cort., Silk. Cort. 2, 21000021010339_20000221103000_CORT. Cort., Silk. Cort. 2, 2100002100339_20000221103000_CORT. Cort., Silk. Cort. 2, 2100002100339_2000022103000_CORT. Cort., Silk. Cort. 2, 2100002100339_2000021030000_CORT. Cort., Silk. Cort., 2, 2100002100339_200000021030000_CORT. Cort., Silk. Cort., 2, 2100002100339_2000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180502T005847_20180502T010437_C001	Ice Range Averaging Status	records.
Committee Commit	CS_OFFL_SIR_GOPM_2_20180502T010613_20180502T012707_C001	Ocean Range Averaging Status	records.
CORT., SIR. COPPL 2. DEMOSCRIPTIONS (2014) CORT NAME AND ADMINISTRATION OF THE DOOR FROM Averaging Status. The body of the town of the core of more control of the core of the	CS_OFFL_SIR_GOPM_2_20180502T012757_20180502T013152_C001	Ocean Range Averaging Status	
Committy (Committy (Committy Committy Committee Commi	CS_OFFL_SIR_GOPM_2_20180502T014339_20180502T014435_C001	Ocean Range Averaging Status	
Co. CPT_SR_COMP_2_00000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180502T015704_20180502T023149_C001	Ocean Range Averaging Status	
South February Annahurgh Status February (Company Annahurgh Status February	CS_OFFL_SIR_GOPM_2_20180502T023753_20180502T024308_C001	Ice Range Averaging Status	
CS OFFL SIR GONA 2 20188607T00415 20180607T00415 CONT CS_OFFL_SIR_CONAL_2_PORTSCOTTCOMES_CONT CS_OFFL_SIR_CONAL_2_POR	CS_OFFL_SIR_GOPM_2_20180502T024458_20180502T024750_C001	Ocean Range Averaging Status	
CS_CFF_SIR_COPUL_2016000271004812_2016000271004813_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104545_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104543_C0101 CS_CFF_SIR_COPUL_2016000271044812_201600027104543_C0101 CS_CFF_SIR_COPUL_2016000271047812_201600027104543_C0101 CS_CFF_SIR_COPUL_201600027104543_C0101 CS_CFF_SIR_COPUL_201600027104543_C01010002710454_C0101 CS_CFF_SIR_COPUL_201600027104543_C0100027104543_C0101 CS_CFF_SIR_COPUL_201600027104543_C0100027104544_C0101 CS_CFF_SIR_COPUL_201600027104543_C0100027104544_C0101 CS_CFF_SIR_COPUL_2016	CS_OFFL_SIR_GOPM_2_20180502T025415_20180502T030146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_CPFL_SR_GOPU _2 0186027163716_20180027134354_C001 Cosen Range Averaging Status Fine Cosen Range Averaging Status Fine Cosen Range Averaging Status Fine Cosen Range Averaging Status CS_CPFL_SR_GOPU _2 018602714301_2018002714373_C001 Cosen Range Averaging Status CS_CPFL_SR_GOPU _2 0186027144301_2018002714373_C001 Cosen Range Averaging Status Fine Cosen Range Rangeng Status Fing has been set for one or more Fine Cosen Range Averaging Status Fing has been set for one or more Fine Cosen Range Averaging Status Fing has been set for one or more Fine Cosen Range Averaging Status Fing has been set for one or more Fine Cosen Range Averaging Status Fing has been set for one or more Fine Cosen Range Averaging Status Fine Pain be tone or	CS_OFFL_SIR_GOPM_2_20180502T032030_20180502T032433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFF_SIR_COPM_2_29165000T04341_2016500T043512_C001 CS_OFF_SIR_COPM_2_29165000T04341_2016500T043513_C001 CS_OFF_SIR_COPM_2_29165000T043411_2016500T043513_C001 CS_OFF_SIR_COPM_2_29165000T043612_C00500T043513_C001 CS_OFF_SIR_COPM_2_2916500T043612_C00500T04513_C001 CS_OFF_SIR_COPM_2_2916500T043612_C00500T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T043613_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T04513_C001 CS_OFF_SIR_COPM_2_2916500T04513_D05600T0455_C001 CS_OFF_SIR_COPM_2_2916500T145042_D05600T0455_C001 CS_OFF_SIR_COPM_2_2916500T145042_D05600T0455_C001 CS_OFF_SIR_COPM_2_2916500T145042_D05600T0455_C00	CS_OFFL_SIR_GOPM_2_20180502T033716_20180502T034554_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_CPFL_SIR_COPM_2_20180002T104211_20180002T1043713_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044118_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044118_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044118_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044118_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044118_C001 CS_CPFL_SIR_COPM_2_20180002T1044011_20180002T1044012_C001 CS_CPFL_SIR_COPM_2_20180002T1044012_20180002T1044012_C001 CS_CPFL_SIR_COPM_2_20180002T1044012_20180002T1044012_C001 CS_CPFL_SIR_COPM_2_20180002T1001732_20180002T1004012_C001 CS_CPFL_SIR_COPM_2_20180002T1001732_20180002T1000012_C001 CS_CPFL_SIR_COPM_2_20180002T1000732_00180002T1000012_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T000014_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T000014_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T007344_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T007344_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T007344_C001 CS_CPFL_SIR_COPM_2_20180002T000073_00180002T007344_C001 CS_CPFL_SIR_COPM_2_20180002T000074_C001 CS_CPFL_SIR_COPM_2_20180002T000074_C001 CS_CPFL_SIR_COPM_2_20180002T000074_C001 CS_CPFL_SIR_COPM_2_20180002T000074_C001 CS_CPFL_SIR_COPM_2_20180002T000074_C001010007466_C001 CS_CPFL_SIR_COPM_2_20180002T100074_C001010007466_C001 CS_CPFL_	CS OFFL SIR GOPM 2 20180502T034841 20180502T041059 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
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CS_OFFL_SIR_GOFM_2_20186027104001_20180027104014_C001 CS_OFFL_SIR_GOFM_2_20186027104014_00180027104014_C001 CS_OFFL_SIR_GOFM_2_20186027104014_20186027104014_C001 CS_OFFL_SIR_GOFM_2_20186027104014_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027105014_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027105014_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027105014_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027106002_C001 CS_OFFL_SIR_GOFM_2_20186027107014_C001 CS_OFFL_SIR_GOFM_2_2018602710014_C00180014_C001 CS_OFFL_SIR_GOFM_2_2018602710014_C00180014_C0018001 CS_OFFL_SIR_GOFM_2_2018602710014_C00180014_C00180014_C0018001 CS_OFFL_SIR_GOFM_2_2018602710014_C0018001			The Ocean Range Averaging Status Flag has been set for one or more
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CS_OFFL_SIR_GOPM_2_20180502T05530_2018002105021050210 CS_OFFL_SIR_GOPM_2_20180502T055020_20180502T053784_C001 CS_OFFL_SIR_GOPM_2_20180502T055090_20180502T057344_C001 CS_OFFL_SIR_GOPM_2_20180502T055090_20180502T073545_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073545_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073559_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T073090_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T085035_20180502T073751_C001 CS_OFFL_SIR_GOPM_2_20180502T085035_20180502T0707350_C001 CS_OFFL_SIR_GOPM_2_20180502T085035_20180502T0707350_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T070745_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T107050_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105046_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1105046_C001 CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T1100300_C001050000000000000000000000000000000			records.
CS_OFFL_SIR_GOPM_2_20180502T060302_20180502T06374_C001 CS_OFFL_SIR_GOPM_2_20180502T070539_20180502T073545_C001 CS_OFFL_SIR_GOPM_2_20180502T073549_20180502T073545_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T073545_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T073552_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T073552_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T073629_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T07363515_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T070504_C00180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T070504_C00180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T075528_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105418_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105418_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T1105418_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T1105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T1105047_20180502T112947_C001 CS_OFFL_SIR_GOPM_2_20180502T1105047_20180502T112945_C001 CS_OFFL_SIR_GOPM_2_20180502T1105047_20180502T1105047_20180502T1105047_20180502T1105047_20180502T1105047_20180502T1105047_20180502T1105047_20180502T1105047_201			records.
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CS_OFFL_SIR_GOPM_2_201808207073849_201809207073854_C001 CS_OFFL_SIR_GOPM_2_2018080207073849_201809207073854_C001 CS_OFFL_SIR_GOPM_2_2018080207073849_201809207073854_C001 CS_OFFL_SIR_GOPM_2_2018080207073849_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018080207073828_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018090207073828_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018090207073828_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018090207073828_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018090207093828_201809207073751_C001 CS_OFFL_SIR_GOPM_2_2018090207093828_20180920709745_C001 CS_OFFL_SIR_GOPM_2_2018090207093828_20180920709745_C001 CS_OFFL_SIR_GOPM_2_2018090207093828_20180920709745_C001 CS_OFFL_SIR_GOPM_2_2018090207093828_201809207109408_20180920710949_C001 CS_OFFL_SIR_GOPM_2_201809020709408_201809207109408_201809207109418_C001 CS_OFFL_SIR_GOPM_2_2018090207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_201809207109408_2018092071109408_2018092071109408_2018092071109408_2018092071109408_2018092071109408_201809207112830_C001 CS_OFFL_SIR_GOPM_2_201809207112830_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112830_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112830_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207112809_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207110940_2018092071128330_C001 CS_OFFL_SIR_GOPM_2_201809207110940_20180920711093207_C001 CS_OFFL_SIR_GOPM_2_201809207110940_20180920711093207_C001 CS_OFFL_SIR	CS_OFFL_SIR_GOPM_2_20180502T062029_20180502T063754_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201800201703049_2018002017073549_C001 Lee Range Averaging Status The Lee Range Averaging Status Flag has been set for one or more ecords. The Coean Range Averaging Status The Co	CS_OFFL_SIR_GOPM_2_20180502T065909_20180502T071113_C001	Ocean Range Averaging Status	records.
to Range Averaging Status Seconds Pecods P	CS_OFFL_SIR_GOPM_2_20180502T071317_20180502T072854_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180502T074505_20180502T08528_C001 CS_OFFL_SIR_GOPM_2_20180502T080147_20180502T081356_C001 CS_OFFL_SIR_GOPM_2_20180502T080147_20180502T080545_C001 CS_OFFL_SIR_GOPM_2_20180502T0803515_20180502T090745_C001 CS_OFFL_SIR_GOPM_2_20180502T0803515_20180502T090745_C001 CS_OFFL_SIR_GOPM_2_20180502T102313_20180502T104702_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105047_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105047_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T10027_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T10027_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T10027_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T10027_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T105040_C001 CS_OFFL_SIR_GOPM_2_20180502T10504000071150507_C001 CS_OFFL_SIR_GOPM_2_20180502T105040_C001 CS_	CS_OFFL_SIR_GOPM_2_20180502T073049_20180502T073549_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_2018050271080147_201805027108156_CO01 CS_OFFL_SIR_GOPM_2_201805027080135_201805027090745_CO01 CS_OFFL_SIR_GOPM_2_201805027091004_201805027091006_CO01 CS_OFFL_SIR_GOPM_2_201805027091004_201805027091006_CO01 CS_OFFL_SIR_GOPM_2_201805027102313_20180502710270_CO01 CS_OFFL_SIR_GOPM_2_201805027102313_201805027110270_CO01 CS_OFFL_SIR_GOPM_2_201805027102313_201805027110270_CO01 CS_OFFL_SIR_GOPM_2_201805027105047_201805027105047_CO01 CS_OFFL_SIR_GOPM_2_201805027105047_2018050271105047_CO01 CS_OFFL_SIR_GOPM_2_2018050271105047_2018050271105047_CO01 CS_OFFL_SIR_GOPM_2_2018050271105047_2018050271105047_CO01 CS_OFFL_SIR_GOPM_2_2018050271105047_2018050271105047_CO01 CS_OFFL_SIR_GOPM_2_201805027110027_2018050271105047_CO01 CS_OFFL_SIR_GOPM_2_201805027110027_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_201805027110027_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_2018050271120338_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_2018050271120338_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_2018050271120338_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_2018050271120338_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_2018050271120338_201805027112050_CO01 CS_OFFL_SIR_GOPM_2_201805027112030_C00105027112050_C001 CS_OFFL_SIR_GOPM_2_201805027112050_C001 CS_OFFL_SIR_GOPM	CS_OFFL_SIR_GOPM_2_20180502T073628_20180502T073751_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_2018050ZT085315_2018050ZT09505_C001 CS_OFFL_SIR_GOPM_2_2018050ZT085315_2018050ZT09500_C001 CS_OFFL_SIR_GOPM_2_2018050ZT102313_2018050ZT104720_C001 CS_OFFL_SIR_GOPM_2_2018050ZT102313_2018050ZT104720_C001 CS_OFFL_SIR_GOPM_2_2018050ZT105047_2018050ZT104700_C001 CS_OFFL_SIR_GOPM_2_2018050ZT105047_2018050ZT10546_C001 CS_OFFL_SIR_GOPM_2_2018050ZT105047_2018050ZT10546_C001 CS_OFFL_SIR_GOPM_2_2018050ZT105047_2018050ZT10546_C001 CS_OFFL_SIR_GOPM_2_2018050ZT105027_2018050ZT105406_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1100Z7_2018050ZT11247_C001 CS_OFFL_SIR_GOPM_2_2018050ZT112830_C001 CS_OFFL_SIR_GOPM_2_2018050ZT122830_C018050ZT122830_C001 CS_OFFL_SIR_GOPM_2_2018050ZT122830_Z018050ZT125705_C001 CS_OFFL_SIR_GOPM_2_2018050ZT122830_Z018050ZT125186_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT122830_C001 CS_OFFL_SIR_GOPM_2_2018050ZT122830_Z018050ZT12518_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT1250SD0_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1250Z1850ZT14400_C001 CS_OFFL_SIR_GOPM_2_2018050ZT14001Z_018050ZT144002_C001 CS_OFFL_SIR_GOPM_2_2018050ZT144042_C001 CS_OFFL_SIR_GOPM_2_2018050ZT1450Z32_C001 CS_OFFL_SIR_GOPM_2_20180	CS_OFFL_SIR_GOPM_2_20180502T074505_20180502T075528_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180502T109104_20180502T091004_20180502T091500_C001 CS_OFFL_SIR_GOPM_2_20180502T105131_20180502T104720_C001 Ocean Range Averaging Status The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_20180502T080147_20180502T081356_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T10546_CO01 Ce Range Averaging Status Ce 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 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180502T115708_20180502T122650_CO01 Ccean Range Averaging Status CS_OFFL_SIR_GOPM_2_20180502T122333_20180502T123330_CO01 Ce Range Averaging Status CS_OFFL_SIR_GOPM_2_20180502T123338_20180502T123705_CO01 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_CO01 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_CO01 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_CO01 CS_OFFL_SIR_GOPM_2_20180502T140017_20180502T140632_CO01 CS_OFFL_SIR_GOPM_2_20180502T140017_20180502T140632_CO01 CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T14102_CO01 CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T14102_CO01 CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T14102_CO01 CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T145547_CO01 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. CS_OFFL_SIR_GOPM_2_20180502T1545474_20180502T154547_C001 Coean Range Averaging Status The Ocean	CS_OFFL_SIR_GOPM_2_20180502T091004_20180502T091500_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105806_C001 Ce Range Averaging Status The Loce Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ioc Range Averaging Status Flag has been set for one or more records. The Ioc Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ioc Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_20180502T1440828_20180502T145437_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status	CS_OFFL_SIR_GOPM_2_20180502T102313_20180502T104720_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20180502T115708_20180502T122650_C001 CS_OFFL_SIR_GOPM_2_20180502T122830_20180502T1223330_C001 CS_OFFL_SIR_GOPM_2_20180502T122830_20180502T123705_C001 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_C001 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_C001 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_C001 CS_OFFL_SIR_GOPM_2_20180502T124030_20180502T125138_C001 CS_OFFL_SIR_GOPM_2_20180502T125715_20180502T131450_C001 CS_OFFL_SIR_GOPM_2_20180502T140017_20180502T131450_C001 CS_OFFL_SIR_GOPM_2_20180502T140017_20180502T140632_C001 CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T141402_C001 CS_OFFL_SIR_GOPM_2_20180502T141946_20180502T141402_C001 CS_OFFL_SIR_GOPM_2_20180502T141946_20180502T145323_C001 CS_OFFL_SIR_GOPM_2_20180502T141946_20180502T145547_C001 CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T15557_C001 CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T155257_C001 CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T1564716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T165673_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T165733_20180502T164716_C001 CCS_OFFL_SIR_GOPM_2_20180502T165733_20180502T164716_C001 CCS_OFFL_SIR_GOPM_2_20180502T165733_20180502T164716_C001 CCS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CCCC_OCCC_CCC_CCC_CCC_CCC_CCC_CCC_CCC_	CS_OFFL_SIR_GOPM_2_20180502T105439_20180502T105806_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180502T122830_20180502T123330_C001 CS_OFFL_SIR_GOPM_2_20180502T122830_20180502T123705_C001 Loe Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T141402_C001 Loe Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180502T14946_20180502T145323_C001 CS_OFFL_SIR_GOPM_2_20180502T14946_20180502T154547_C001 CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T154547_C001 CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T154557_C001 CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T155257_C001 CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T163300_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164706_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20180502T110027_20180502T112947_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20180502T141946_20180502T145323_C001 CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T154547_C001 CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T155257_C001 CS_OFFL_SIR_GOPM_2_20180502T154749_20180502T155257_C001 CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T163300_C001 CS_OFFL_SIR_GOPM_2_20180502T156853_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T1646652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T164653_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T164653_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T165733_20180502T170154_C001	CS_OFFL_SIR_GOPM_2_20180502T140828_20180502T141402_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180502T152632_20180502T154547_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T163300_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_20180502T164652_20180502T164716_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.	CS_OFFL_SIR_GOPM_2_20180502T141946_20180502T145323_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
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CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T163300_C001 CS_OFFL_SIR_GOPM_2_20180502T164652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T164652_20180502T164716_C001 CS_OFFL_SIR_GOPM_2_20180502T165733_20180502T170154_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20180502T154749_20180502T155257_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180502T164652_20180502T164716_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 GOPM 2 20180502T155853 20180502T163300 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
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	CS_OFFL_SIR_GOPM_2_20180502T170250_20180502T172029_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180502T173001_20180502T173201_C001			The Ice Range Averaging Status Flag has been set for one or more
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The Ocean Range Averaging Status Flag has been set for one or more			
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CS_OFFL_SIR_GOPM_2_z01000021102000_z01000021104001_C0011 Ocean Railige Averaging Status records. The Ocean Rainge Averaging Status Flag has been set for one or more			records.
CS_OFFL_SIR_GOPM_2_20180502T184716_20180502T190113_C001 Ocean Range Averaging Status records.	GS_OFFL_SIK_GOPNI_Z_Z018050Z1184716_Z018050Z1190113_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20180502T190909_20180502T191110_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T191217_20180502T191611_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T191802_20180502T193327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T193529_20180502T194451_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T200302_20180502T200410_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T201237_20180502T202355_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T203959_20180502T204403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T204715_20180502T205513_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T205730_20180502T211234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T214926_20180502T222315_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T222824_20180502T223359_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T223647_20180502T230143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T233535_20180502T234456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T235034_20180503T000144_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180502T014548_20180502T014615_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180502T024308_20180502T024418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180502T145409_20180502T145417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180502T181652_20180502T181720_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180502T182248_20180502T182732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180502T045853_20180502T045954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180502T123841_20180502T124029_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180502T181526_20180502T181652_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180502T190113_20180502T190633_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.

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180502T002122_20180502T003547_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_20180502T004124_20180502T005248_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_20180502T005847_20180502T010437_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T010613_20180502T012707_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_20180502T012757_20180502T013152_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_20180502T014339_20180502T014435_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_20180502T015704_20180502T023149_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_20180502T023753_20180502T024308_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T025415_20180502T030146_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_20180502T032030_20180502T032433_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_20180502T033716_20180502T034554_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_20180502T034841_20180502T041059_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_20180502T041801_20180502T042208_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T042411_20180502T043713_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_20180502T043901_20180502T044618_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_20180502T044701_20180502T045134_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_20180502T050042_20180502T050055_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_20180502T051723_20180502T054932_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_20180502T055131_20180502T055652_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180502T060753_20180502T062021_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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Computer C	CS_OFFL_SIR_GOPM_2_20180502T062029_20180502T063754_C001	Backscatter Averaging Status	more records.
Description Process Description Desc	CS_OFFL_SIR_GOPM_2_20180502T065909_20180502T071113_C001	Backscatter Averaging Status	more records.
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Security County	CS_OFFL_SIR_GOPM_2_20180502T073049_20180502T073549_C001		records.
Confert, Bill, Confert, 2 et 1000/27110002 (1900/27110004). Dollar Schools of Confert Schools (1900/27110004). Dollar Schools of Confert Schools (1900/27110004). Dollar Schools of Confert Schools (1900/27110004). Dollar Sc	CS_OFFL_SIR_GOPM_2_20180502T074505_20180502T075528_C001	Backscatter Averaging Status	more records.
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Co-PTL_SIR_COMPL_2019992T19686_019992T19686_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019 CR_DFL_SIR_COMPL_2019992T19696_019992T19696_0019	CS_OFFL_SIR_GOPM_2_20180502T102313_20180502T104720_C001		
Cont. Sim. Cont. 2 2 2 2 2 2 2 2 2	CS_OFFL_SIR_GOPM_2_20180502T105047_20180502T105416_C001	Ice Backscatter Averaging Status	
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DS_OFF_SR_COPM_2_20100002T12030_20110002T13103_COTI CS_OFF_SR_COPM_2_20100002T12030_20110002T13103_COTI CS_OFF_SR_COPM_2_20100002T14000_20110002T14003_COTI CS_OFF_SR_COPM_2_20100002T140007_20110002T14003_COTI CS_OFF_SR_COPM_2_20100002T140007_20110002T14003_COTI CS_OFF_SR_COPM_2_20100002T140007_20110002T14003_COTI CS_OFF_SR_COPM_2_20100002T140007_20100002T14003_COTI CS_OFF_SR_COPM_2_20100002T140007_20100002T140007_COTI CS_OFF_SR_COPM_2_20100002T140007_20100002T140007_COTI CS_OFF_SR_COPM_2_20100002T140007_20100002T140007_COTI CS_OFF_SR_COPM_2_20100002T140007_20100002T140007_COTI CS_OFF_SR_COPM_2_20100002T140007_COTIONS_COTING COTING COT	CS_OFFL_SIR_GOPM_2_20180502T115708_20180502T122650_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPW_2_70180007119018_20190000719018_0001901800710	CS OFFL SIR GOPM 2 20180502T122830 20180502T123330 C001		The Ice Backscatter Averaging Status Flag has been set for one or more
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So. CFFL, SIR, COPM 2, 29180502T14919, 20180502T14952 COD1 So. CFFL, SIR, COPM 2, 29180502T14919, 20180502T195197, COD1 So. CFFL, SIR, COPM 2, 29180502T195397, COD1 So. CFFL, SIR, COPM 2, 29180502T195390, COD1 So. CFFL, SIR, COPM 2, 29180502T195097, 29180502T195097, COD1 So. CFFL, SIR, COPM 2, 29180502T195097, COD1 So. CFFL, SIR, COPM 2			
SO, OFFL, SR, COMM_2_20180027119429_2018002719300_2018 SO, OFFL_SR, GOMM_2_2018002719303_2018002719300_2018 SO, OFFL_SR, GOMM_2_2018002719306_2018002719300_2018 SO, OFFL_SR, GOMM_2_2018002719300_20180027193000_2018 SO, OFFL_SR, GOMM_2_2018002719300_20180027193000_2018 SO, OFFL_SR, GOMM_2_2018002719300_20180027193000_20180000_201800000000000000000000000		Backscatter Averaging Status	more records.
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SOFFL_SIR_GOPM_2_2018062719682_2018002719674_C001 SOFFL_SIR_GOPM_2_201806271970250_20180827170292_C001 SOFFL_SIR_GOPM_2_2018060271970250_2018080271970290_C001 SOFFL_SIR_GOPM_2_2018060271970250_2018080271970290_C001 SOFFL_SIR_GOPM_2_201806027193009_201808027190390_C001 SOFFL_SIR_GOPM_2_201806027193009_201808027190390_C001 SOFFL_SIR_GOPM_2_201806027180009_201808027190390_C001 SOFFL_SIR_GOPM_2_201806027180009_201808027190390_C001 SOFFL_SIR_GOPM_2_201806027180009_201808027190390_C001 SOFFL_SIR_GOPM_2_201806027180009_201800007184561_C001 SOFFL_SIR_GOPM_2_201806027190009_201800007184561_C001 SOFFL_SIR_GOPM_2_201806027190000_201800007184561_C001 SOFFL_SIR_GOPM_2_201806027190000_201800007184561_C001 SOFFL_SIR_GOPM_2_2018060077183529_2018000072003400_C001 SOFFL_SIR_GOPM_2_2018060077183529_2018000072003400_C001 SOFFL_SIR_GOPM_2_201806007720376_201800077203350_C001 SOFFL_SIR_GOPM_2_2018060077203350_C001800077203350_C001 SOFFL_SIR_GOPM_2_2018060077203350_C001800077203350_C001 SOFF	CS_OFFL_SIR_GOPM_2_20180502T154749_20180502T155257_C001		records.
SOFFL_SIR_GOPM_2_20180802T16925_20180802T179264_0001 SOFFL_SIR_GOPM_2_20180802T16925_20180802T179269_0001 SOFFL_SIR_GOPM_2_20180802T180099_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T180099_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T180099_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T182806_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T182806_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T182806_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T182806_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T1927_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T1927_20180802T18003_0001 SOFFL_SIR_GOPM_2_20180802T1927_20180802T19110_0001 SOFFL_SIR_GOPM_2_20180802T19237_20180802T19352_0001 SOFFL_SIR_GOPM_2_20180802T193522_20180802T193520_0001 SOFFL_SIR_GOPM_2_20180802T203959_20180802T200440_0001 SOFFL_SIR_GOPM_2_20180802T20395	CS_OFFL_SIR_GOPM_2_20180502T155853_20180502T163300_C001	Backscatter Averaging Status	more records.
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SOFFL_SIR_GOPM_2_20180502T180502_1080502T180501_1080502T180502T180501_1080502T1	CS_OFFL_SIR_GOPM_2_20180502T173905_20180502T175619_C001		
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CS_OFFL_SIR_GOPM_2_20180502T191217_20180502T191801_CO01 CS_OFFL_SIR_GOPM_2_20180502T193529_20180502T193327_CO01 SWH Averaging Status. Ocean Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status Status SWH Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20180502T190909_20180502T191110_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
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	CS_OFFL_SIR_GOPR_2_20180502T045853_20180502T045954_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status more records.		Backscatter Averaging Status	more records.

CS_OFFL_SIR_GOPR_2_20180502T123841_20180502T124029_C001

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

SWH Averaging Status, Ocean Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status

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

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

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

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: 0

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:

0

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:

0

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).

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:

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_2_20180502T000938_20180502T005918_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T005918_20180502T014852_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_220180502T014852_20180502T023831_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T023831_20180502T032806_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_220180502T032806_20180502T041745_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_220180502T041745_20180502T050719_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_220180502T050719_20180502T055658_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_220180502T055658_20180502T064633_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T064633_20180502T073612_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_220180502T073612_20180502T082546_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_220180502T082546_20180502T091526_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_220180502T100500_20180502T105439_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_220180502T105439_20180502T114413_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T114413_20180502T123353_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_220180502T123353_20180502T132327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T132327_20180502T141306_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_220180502T141306_20180502T150241_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T150241_20180502T155220_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_220180502T155220_20180502T164154_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_20180502T164154_20180502T173133_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T173133_20180502T182108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T182108_20180502T191047_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_220180502T191047_20180502T200021_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_220180502T200021_20180502T205001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T205001_20180502T213935_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_20180502T213935_20180502T222914_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_20180502T222914_20180502T231849_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_20180502T231849_20180503T000828_C003	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has 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

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. 28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180502T000938_20180502T005918_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_220180502T005918_20180502T014852_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_220180502T014852_20180502T023831_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_220180502T023831_20180502T032806_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_20180502T032806_20180502T041745_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_220180502T041745_20180502T050719_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_220180502T050719_20180502T055658_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_220180502T055658_20180502T064633_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_220180502T064633_20180502T073612_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_220180502T073612_20180502T082546_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_220180502T082546_20180502T091526_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_20180502T100500_20180502T105439_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_220180502T105439_20180502T114413_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_220180502T114413_20180502T123353_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_20180502T123353_20180502T132327_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_220180502T132327_20180502T141306_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_20180502T141306_20180502T150241_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_220180502T150241_20180502T155220_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_220180502T155220_20180502T164154_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_220180502T164154_20180502T173133_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_220180502T173133_20180502T182108_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_220180502T182108_20180502T191047_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_220180502T191047_20180502T200021_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_220180502T200021_20180502T205001_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_220180502T205001_20180502T213935_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_220180502T213935_20180502T222914_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_220180502T222914_20180502T231849_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_220180502T231849_20180503T000828_C003	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.

Number of products with errors:

28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180502T000938_20180502T005918_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T005918_20180502T014852_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T014852_20180502T023831_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T023831_20180502T032806_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T032806_20180502T041745_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T041745_20180502T050719_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T050719_20180502T055658_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T055658_20180502T064633_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T064633_20180502T073612_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T073612_20180502T082546_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T082546_20180502T091526_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T091526_20180502T100500_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T100500_20180502T105439_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T105439_20180502T114413_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T114413_20180502T123353_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T123353_20180502T132327_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T132327_20180502T141306_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T141306_20180502T150241_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T150241_20180502T155220_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T155220_20180502T164154_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T164154_20180502T173133_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T173133_20180502T182108_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T182108_20180502T191047_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T191047_20180502T200021_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180502T200021_20180502T205001_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T213935_20180502T2222914_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T222914_20180502T231849_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180502T231849_20180503T000828_C003	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.