



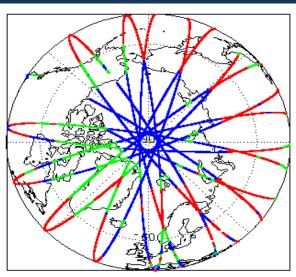
1. Overview

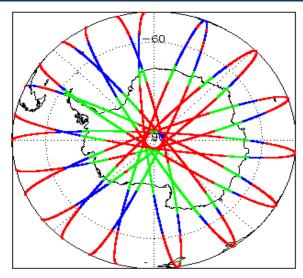
Report Production:	15-Aug-2018 CryoSat Ocean Processor	
Processor Used:		
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

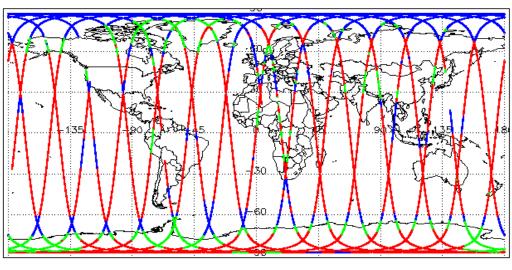
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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 / Instru	ment News
14-Jul-2018	None
15-Jul-2018	None
16-Jul-2018	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. 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	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180715T000609_20180715T000730_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180715T045233_20180715T050530_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180715T102510_20180715T102605_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:

15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180715T045233_20180715T050530_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T015507_20180715T015625_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T032951_20180715T0333349_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T043410_20180715T043438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T051206_20180715T051333_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T051340_20180715T051427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T115559_20180715T115652_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T151324_20180715T151444_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T151749_20180715T152013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T165650_20180715T165900_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T183157_20180715T183649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180715T215543_20180715T215722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180715T000730_20180715T000835_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180715T000835_20180715T001321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180715T050732_20180715T050913_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:

0

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180715T000609_20180715T000730_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_20180715T045233_20180715T050530_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_20180715T102510_20180715T102605_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

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

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

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

Number of products with errors:

77

Test Part Control (1997) Control (Pundinat	Took Failed	Description
Dec. Comm. Sept. Opening. 2, contain 1970-1979 (1970-1979) (1970-1	Product CS_OFFL_SIR_GOPM_2_20180715T001321_20180715T001412_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Comp. Bill. (Comp. 2 prints removale), 2 points 1 strongers (2014)			
COPPLIENT COMPLICATION CONTRIBUTIONS CONTRIBUTIONS CONTRIBUTION CONTRI			records.
COUNTLINGUAGE CONTRIBUTIONS 201907151019351, COVID De Flarge Averaging State The Country Cou			records.
CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701052_COID CQ-OPT_SR_COMPL_2000715701047_20108715701047_COID CQ-OPT_SR_COMPL_2000715701047_20108715701047_COID CQ-OPT_SR_COMPL_2000715701047_20108715701047_COID CQ-OPT_SR_COMPL_2000715701047_COID CQ-OPT_SR			records.
Commercial (Commercial Commercial	CS_OFFL_SIR_GOPM_2_20180715T010632_20180715T010831_C001	Ice Range Averaging Status	records.
ECONT., SIR, COMM. 2. 2010/07/15/09/25 (1907) CO. OFT., SIR, COMM. 2. 2010/07/15/09/2	CS_OFFL_SIR_GOPM_2_20180715T010837_20180715T011252_C001	Ice Range Averaging Status	records.
Comp. Ser. Com. 2. 2010/11/10/2020 (2010/11/10/2020 Col) Comp. Comp. Com. 2. 2010/11/10/2020 (2010/11/10/2020 Col) Com. Comp. Ser. Com. 2. 2010/11/10/2020 (2010/11/10/2020 Col) Com. Comp. Ser. Com. 2. 2010/11/10/2020 (2010/11/10/2020 Col) Com. Com. 2. 2010/11/10/2020 (2010/	CS_OFFL_SIR_GOPM_2_20180715T011740_20180715T015050_C001	Ocean Range Averaging Status	records.
Count Full Communication of the Count Process Annual States and the core of more country of the	CS_OFFL_SIR_GOPM_2_20180715T015404_20180715T015507_C001	Ice Range Averaging Status	records.
Confl. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702600 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1987) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (20180715702600). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 15702607 (2018071570000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988) 157000000 (20180715700000). Otto Range Averaging Status. Co. OFFL. Sin. Confl. 2 (1988)	CS_OFFL_SIR_GOPM_2_20180715T020355_20180715T021934_C001	Ocean Range Averaging Status	records.
Seg. OPEL_SER_COMPL_ZO180715T00418_20180715T00418_CO18018_CO18	CS_OFFL_SIR_GOPM_2_20180715T022245_20180715T022514_C001	Ocean Range Averaging Status	records.
Co.C.P.L. Siz. Co.P.J. 2018/11/11/11/2018/2018/11/11/2018/2018/	CS_OFFL_SIR_GOPM_2_20180715T022517_20180715T023938_C001	Ocean Range Averaging Status	records.
Co. OFFL_SIR_COPM_2_20169715T003402_20169715T002691_C001 Co. OFFL_SIR_COPM_2_20169715T003402_20169715T002691_C001 Co. OFFL_SIR_COPM_2_20169715T004032_20169715T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C001 Co. OFFL_SIR_COPM_2_20169715T00403_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C00160716T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C00160716T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C00160716T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C00160716T004032_C001 Co. OFFL_SIR_COPM_2_20169715T004032_C00160716T004032_C001	CS_OFFL_SIR_GOPM_2_20180715T024208_20180715T024729_C001	Ice Range Averaging Status	
Locan França Pure graphy Status Cop. PFFL, Sin. CopPM 2, 201807151704024 201807151704025 C001 Cop CPFL, Sin. CopPM 2, 201807151704008 201807151704025 C001 CopPFL, Sin. CopPM 2, 201807151704008 201807151704050 C001 CopPFL, Sin. CopPM 2, 201807151704008 201807151706008 C001 CopPFL, Sin. CopPM 2, 201807151704012 201807151706008 C001 CopPFL, Sin. CopPM 2, 201807151706011 2, 201807151706008 C001 CopPFL, Sin. CopPM 2, 2018071517061012 2, 201807151706008 C001 CopPFL, Sin. CopPM 2, 201807151710604	CS_OFFL_SIR_GOPM_2_20180715T024748_20180715T025000_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_COPM_2_20180715704202_CO01 CS_OFFL_SIR_COPM_2_20180715704203_CO01 CS_OFFL_SIR_COPM_2_20180715704203_CO010 CS_OFFL_SIR_COPM_2_20180715704203_CO0100715704405_CO01 CS_OFFL_SIR_COPM_2_20180715704203_CO0100715704405_CO01 CS_OFFL_SIR_COPM_2_20180715704203_CO0100715704405_CO01 CS_OFFL_SIR_COPM_2_20180715704003_CO0100715704405_CO01 CS_OFFL_SIR_COPM_2_20180715704003_CO0100715704405000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180715T025840_20180715T030923_C001	Ocean Range Averaging Status	
Less hearpy. Averaging Status records. See PET, SER QOPM 2. 20180715T04223 20180715T042282 CO01 Les Range Averaging Status records. CS_OFFL_SER_GOPM 2. 20180715T04223 20180715T042282 CO01 Les Range Averaging Status records. Les	CS_OFFL_SIR_GOPM_2_20180715T031243_20180715T032951_C001	Ocean Range Averaging Status	
CS_OFFL_SR_GOPM_2_20180715704293_20180715704290_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715704290_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715704290_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715704290_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715704290_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715705293_C001 CS_OFFL_SR_GOPM_2_20180715704293_20180715705293_C001 CS_OFFL_SR_GOPM_2_20180715704293_201807157056950_C001 CS_OFFL_SR_GOPM_2_201807157069112_201807157056950_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157056950_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157056950_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069578_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069578_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_20180715706912_201807157069580_C001 CS_OFFL_SR_GOPM_2_201807157076912_20180715706913_C001 CS_OFFL_SR_GOPM_2_201807157076912_20180715706903_C001 CS_OFFL_SR_GOPM_2_2018071570992_201807157106903_C001 CS_OFFL_SR_GOPM_2_20180715709932_201807157106903_C001 CS_OFFL_SR_GOPM_2_20180715710994_201807157106903_C001 CS_OFFL_SR_GOPM_2_	CS_OFFL_SIR_GOPM_2_20180715T035157_20180715T040204_C001	Ocean Range Averaging Status	
control, S. (1974). 20180715704253, 20180715704259. Cool control of the Paring Averaging Status in the Paring Averaging Status Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (201807157042592, 201807157042589, Cool coan Range Averaging Status in Coan Range Averaging Status Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715704252), 2018071570533, Cool coan Range Averaging Status in Coan Range Averaging Status Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715704250), 201807157050733, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715706012), 201807157060739, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715706012), 201807157060739, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715707210), 20180715705039, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715707210), 20180715705404, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (201807157071210), 20180715707340, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (201807157071210), 20180715707340, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (201807157071210), 20180715707340, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (201807157071210), 20180715707340, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715707410), 20180715707405, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715709052), 2018071570940, Cool coan Range Averaging Status in Flag has been set for one or more records. S. OFFL, SIR, GOPM, 2 (20180715710331), 20180	CS_OFFL_SIR_GOPM_2_20180715T040406_20180715T041837_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180715704287_20180715704286_0001 Os_OFFL_SIR_GOPM_2_20180715704287_20180715704288_0001 Os_OFFL_SIR_GOPM_2_20180715704287_20180715704288_0001 Os_OFFL_SIR_GOPM_2_20180715704287_20180715704288_0001 Os_OFFL_SIR_GOPM_2_20180715704287_20180715704288_0001 Os_OFFL_SIR_GOPM_2_20180715704287_20180715705057_2001 Is_OFFL_SIR_GOPM_2_20180715704287_20180715706057_0001 Os_OFFL_SIR_GOPM_2_20180715706012_20180715706057_0001 Os_OFFL_SIR_GOPM_2_20180715706012_20180715706057_0001 Os_OFFL_SIR_GOPM_2_20180715706012_20180715706057_0001 Os_OFFL_SIR_GOPM_2_2018071570612_20180715706057_0001 Os_OFFL_SIR_GOPM_2_2018071570612_20180715707442_0001 Os_OFFL_SIR_GOPM_2_20180715707417_20180715707442_0001 Os_OFFL_SIR_GOPM_2_2018071570842_00180715708442_0001 Os_OFFL_SIR_GOPM_2_20180715708302_001807157108442_0001 Os_OFFL_SIR_GOPM_2_20180715708302_00180715710240_0001 Os_OFFL_SIR_GOPM_2_201807157108302_00180715710240_0001 Os_OFFL_SIR_GOPM_2_20	CS_OFFL_SIR_GOPM_2_20180715T042133_20180715T042629_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T042647_20180715T042658_0001 CS_OFFL_SIR_GOPM_2_20180715T042532_20180715T06538_0001 CS_OFFL_SIR_GOPM_2_20180715T042532_20180715T06538_0001 CS_OFFL_SIR_GOPM_2_20180715T04252_20180715T06538_0001 CS_OFFL_SIR_GOPM_2_20180715T04252_20180715T06538_0001 CS_OFFL_SIR_GOPM_2_20180715T064252_20180715T06538_0001 CS_OFFL_SIR_GOPM_2_20180715T064252_20180715T060538_0001 CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060538_0001 CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060538_0001 CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T06482_0001 CS_OFFL_SIR_GOPM_2_20180715T07210_20180715T06482_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T06842_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060638_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060645_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060645_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060645_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060645_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060640_0001 CS_OFFL_SIR_GOPM_2_20180715T060682_20180715T060640_0001 CS_OFFL_SIR_GOPM_2_20180715T066682_20180715T060640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T060640_0001 CS_OFFL_SIR_GOPM_2_20180715T066682_20180715T060640_0001 CS_OFFL_SIR_GOPM_2_20180715T066682_20180715T06640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T06640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T06640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T106640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T106640_0001 CS_OFFL_SIR_GOPM_2_20180715T106640_20180715T106640_0001 CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20180715T042633_20180715T042640_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180715T045332_20180715T06530_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Fl	CS_OFFL_SIR_GOPM_2_20180715T042647_20180715T042658_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T045233_20180715T0505530_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Income Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T060012_20180715T0600736_C001 IoR Range Averaging Status The Income Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T060012_20180715T0600736_C001 CS_OFFL_SIR_GOPM_2_20180715T061321_20180715T069509_C001 CS_OFFL_SIR_GOPM_2_20180715T071210_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T074100_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T00410_C001 CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T00410_C001 CS_OFFL_SIR_GOPM_2_20180715T07508240_C001 CS_OFFL_SIR_GOPM_2_20180715T07508240_C001 CS_OFFL_SIR_GOPM_2_20180715T004721_20180715T00410_C001 CS_OFFL_SIR_GOPM_2_20180715T004022_20180715T00410_C001 CS_OFFL_SIR_GOPM_2_20180715T004022_20180715T00410_C001 CS_OFFL_SIR_GOPM_2_20180715T100420_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T100412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T104122_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T104122_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_20180715T100540_C001 CS_OFFL_SIR_GOPM_2_20180715T10412_	CS_OFFL_SIR_GOPM_2_20180715T043532_20180715T043838_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T060122_20180715T060573_C001 CeRange Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T060121_20180715T060579_C001 Lor Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T061321_20180715T060300_C001 Ocan Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T071210_20180715T073640_C001 Ocan Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T07446_C001 Ice Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T07446_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T07446_C001 Ice Range Averaging Status CS_OFFL_SIR_GOPM_2_20180715T07410_20180715T07446_C001 Ocan Range Averaging Status CS_OFFL_SIR_GOPM_2_20180715T076212_20180715T08481_C001 Ocan Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T08472_20180715T081841_C001 Ocan Range Averaging Status The Ocan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180715T08472_20180715T091616_C001 Ocan Range Averaging Status The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set for one or more records. The Ocan Range Averaging Status Flag has been set f	CS_OFFL_SIR_GOPM_2_20180715T045233_20180715T050530_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T080132_20180715T080557_C001 Cs_Range Averaging Siatus The Coe Range Averaging Siatus Fiag has been set for one or more records. Cs_OFFL_SIR_GOPM_2_20180715T080132_20180715T080309_C001 Cs_OFFL_SIR_GOPM_2_20180715T071210_20180715T073404_C001 Cs_OFFL_SIR_GOPM_2_20180715T071210_20180715T074506_C001 Cs_OFFL_SIR_GOPM_2_20180715T074100_20180715T074506_C001 Cs_OFFL_SIR_GOPM_2_20180715T074100_20180715T074506_C001 Cs_OFFL_SIR_GOPM_2_20180715T074107_20180715T074506_C001 Cs_OFFL_SIR_GOPM_2_20180715T074517_20180715T074506_C001 Cs_OFFL_SIR_GOPM_2_20180715T075212_20180715T07450313_C001 Cs_OFFL_SIR_GOPM_2_20180715T075212_20180715T080313_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080313_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080416_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080646_C01807155T080618_C001 Cs_OFFL_SIR_GOPM_2_20180715T080628_C01807155T080640_C001 Cs_OFFL_SIR_GOPM_2_20180715T0807125_D0180715T08040_C001 Cs_OFFL_SIR_GOPM_2_20180715T1091618_C001 Cs_OFFL_SIR_GOPM_2_20180715T1091618_C001 Cs_OFFL_SIR_GOPM_2_20180715T1091614_20180715T100400_C001 Cs_OFFL_SIR_GOPM_2_20180715T1091614_20180715T110437_C001 Cs_OFFL_SIR_GOPM_2_20180715T1111520_C0180715T1114037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111402_20180715T1114037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111402_20180715T1112037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111402_20180715T1112037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111512230_20180715T1112037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111261230_20180715T1112037_C001 Cs_OFFL_SIR_GOPM_2_20180715T111261230_20180715T112037_C001 Cs_O	CS_OFFL_SIR_GOPM_2_20180715T054250_20180715T055733_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715706018_201807157060738_C001 CS_OFFL_SIR_GOPM_2_201807157061321_201807157063090_C001 CS_OFFL_SIR_GOPM_2_201807157071210_201807157073640_C001 CS_OFFL_SIR_GOPM_2_201807157071210_201807157074456_C001 CS_OFFL_SIR_GOPM_2_201807157074100_201807157074456_C001 CS_OFFL_SIR_GOPM_2_201807157074100_201807157074456_C001 CS_OFFL_SIR_GOPM_2_201807157074010_201807157074842_C001 CS_OFFL_SIR_GOPM_2_201807157074010_20180715704842_C001 CS_OFFL_SIR_GOPM_2_201807157074010_20180715704842_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157078442_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157080313_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157080313_C001 CS_OFFL_SIR_GOPM_2_20180715708040_20180715708041_C001 CS_OFFL_SIR_GOPM_2_20180715708040_20180715708041_C001 CS_OFFL_SIR_GOPM_2_20180715709025_C001 CS_OFFL_SIR_GOPM_2_20180715709025_C001 CS_OFFL_SIR_GOPM_2_2018071570910925_201807157092410_C001 CS_OFFL_SIR_GOPM_2_2018071570910925_201807157100540_C001 CS_OFFL_SIR_GOPM_2_20180715710910925_201807157100540_C001 CS_OFFL_SIR_GOPM_2_20180715710910912_201807157100502 CS_OFFL_SIR_GOPM_2_201807157109112_201807157100501 CS_OFFL_SIR_GOPM_2_201807157105712_201807157100502 CS_OFFL_SIR_GOPM_2_201807157105717_201807157100502 CS_OFFL_SIR_GOPM_2_20180715710571005012_C018071571005012 CS_OFFL_SIR_GOPM_2_201807157110457_C018071571005012 CS_OFFL_SIR_GOPM_2_201807157111472_20180715711005012 CS_OFFL_SIR_GOPM_2_201807157111472_20180715711005012 CS_OFFL_SIR_GOPM_2_201807157111472_20180715711005012 CS_OFFL_SIR_GOPM_2_201807157111472_20180715711005012 CS_OFFL_SIR_GOPM_2_201807157111472_20180715711005012 CS_OFFL_SIR_GOPM_2_2018071571114842_2018071571147001 CS_OFFL_SIR_GOPM_2_2018071571114842_2018071571147001 CS_OFFL_SIR_GOPM_2_2018071571114842_2018071571147001 CS_OFFL_SIR_GOPM_2_201807157114842_2018071571147001 CS_OFFL_SIR_GOPM_2_201807157114842_2018071571147001 CS_OFFL_SIR_GOPM_2_201807157114842_2018071571144001 CS_OFFL_SIR_GOPM_2_201807157114844_201807157144051_201807157114451001 CS_OFFL_SIR_GOPM_	CS_OFFL_SIR_GOPM_2_20180715T060112_20180715T060557_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_201807157061321_20180715706309_C001 CS_OFFL_SIR_GOPM_2_201807157071210_201807157073640_C001 CS_OFFL_SIR_GOPM_2_201807157074100_20180715707486_C001 CS_OFFL_SIR_GOPM_2_201807157074100_20180715707486_C001 CS_OFFL_SIR_GOPM_2_201807157074100_201807157074842_C001 CS_OFFL_SIR_GOPM_2_201807157074107_20180715704842_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157074842_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157080313_C001 CS_OFFL_SIR_GOPM_2_201807157075212_201807157080313_C001 CS_OFFL_SIR_GOPM_2_201807157080846_201807157080825_C001 CS_OFFL_SIR_GOPM_2_201807157080826_201807157080825_C001 CS_OFFL_SIR_GOPM_2_201807157080925_C001 CS_OFFL_SIR_GOPM_2_201807157080925_20180715708040_C001 CS_OFFL_SIR_GOPM_2_20180715709122_20180715700640_C001 CS_OFFL_SIR_GOPM_2_20180715709122_201807157100540_C001 CS_OFFL_SIR_GOPM_2_2018071571050912_201807157100522_C001 CS_OFFL_SIR_GOPM_2_2018071571050912_201807157100502_C001 CS_OFFL_SIR_GOPM_2_2018071571050912_201807157100502_C001 CS_OFFL_SIR_GOPM_2_2018071571050912_201807157100502_C001 CS_OFFL_SIR_GOPM_2_201807157105914_201807157100502_C001 CS_OFFL_SIR_GOPM_2_2018071571050914_201807157100502_C001 CS_OFFL_SIR_GOPM_2_201807157105914_201807157100502_C001 CS_OFFL_SIR_GOPM_2_201807157110532_201807157100502_C001 CS_OFFL_SIR_GOPM_2_2018071571105232_201807157100507_C001 CS_OFFL_SIR_GOPM_2_2018071571128041_C010571571000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060738_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T071210_20180715T073640_C001 CS_OFFL_SIR_GOPM_2_20180715T074100_20180715T074456_C001 CS_OFFL_SIR_GOPM_2_20180715T074517_20180715T074842_C001 CS_OFFL_SIR_GOPM_2_20180715T074517_20180715T074842_C001 CS_OFFL_SIR_GOPM_2_20180715T080846_20180715T080313_C001 CS_OFFL_SIR_GOPM_2_20180715T080846_20180715T0808412_C001 CS_OFFL_SIR_GOPM_2_20180715T080846_20180715T081841_C001 CS_OFFL_SIR_GOPM_2_20180715T080846_20180715T08	CS_OFFL_SIR_GOPM_2_20180715T061321_20180715T063909_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_20180715T123341_20180715T124336_C001 CS_OFFL_SIR_GOPM_2_20180715T123841_20180715T124336_C001 CS_OFFL_SIR_GOPM_2_20180715T125046_20180715T132253_C001 CS_OFFL_SIR_GOPM_2_20180715T125046_20180715T132253_C001 CS_OFFL_SIR_GOPM_2_20180715T134448_20180715T141113_C001 CS_OFFL_SIR_GOPM_2_20180715T134448_20180715T141113_C001 CS_OFFL_SIR_GOPM_2_20180715T134448_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T1440025_20180715T144514_C001 CS_OFFL_SIR_GOPM_2_20180715T144514_C001 CS_OFFL_SI			records.
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CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001	CS_OFFL_SIR_GOPM_2_20180715T125046_20180715T132253_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180715T134448_20180715T141113_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20180715T152013_20180715T153544_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T153758_20180715T155249_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T155939_20180715T160153_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T160234_20180715T160653_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T160921_20180715T162333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T162512_20180715T162641_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T162643_20180715T164124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T170008_20180715T171452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T171937_20180715T173318_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T173729_20180715T174557_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T174915_20180715T181101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T184649_20180715T191259_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T191920_20180715T192408_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T192902_20180715T195310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T202545_20180715T203539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T204117_20180715T205111_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T205839_20180715T210436_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T210727_20180715T212940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T214143_20180715T214459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T215722_20180715T223017_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T223747_20180715T224307_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T224646_20180715T224828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T232051_20180715T232442_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T233629_20180715T234548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T234834_20180716T000948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180715T025000_20180715T025143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180715T092906_20180715T092945_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180715T113246_20180715T113531_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180715T122308_20180715T122323_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180715T164554_20180715T164746_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

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.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180715T001321_20180715T001412_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_20180715T001427_20180715T001449_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_20180715T002510_20180715T005539_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_20180715T005550_20180715T010025_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_20180715T010632_20180715T010831_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T010837_20180715T011252_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T011740_20180715T015050_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_20180715T015050_20180715T015137_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_20180715T015404_20180715T015507_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T020355_20180715T021934_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_20180715T022245_20180715T022514_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_20180715T022517_20180715T023938_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_20180715T024208_20180715T024729_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180715T025840_20180715T030923_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T031243_20180715T032951_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_20180715T035157_20180715T040204_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_20180715T040406_20180715T041837_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T042133_20180715T042629_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180715T042633_20180715T042640_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T042647_20180715T042658_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T043532_20180715T043838_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_20180715T045233_20180715T050530_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_20180715T054250_20180715T055733_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_20180715T060112_20180715T060557_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T060618_20180715T060738_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T061321_20180715T063909_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 20180715T071210 20180715T073640 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T074100_20180715T074456_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 20180715T074517 20180715T074842 C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T075212_20180715T080313_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_20180715T080846_20180715T081841_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_20180715T084721_20180715T090625_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_20180715T090628_20180715T091618_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180715T091925_20180715T092410_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T092414_20180715T092745_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T093230_20180715T100540_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_20180715T101757_20180715T102100_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_20180715T105017_20180715T105222_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_20180715T105914_20180715T110437_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T111142_20180715T113245_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_20180715T113531_20180715T114701_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T115652_20180715T120037_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_20180715T121644_20180715T122307_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 20180715T122323 20180715T123332 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_20180715T123841_20180715T124336_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_20180715T125046_20180715T132253_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_20180715T134448_20180715T141113_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180715T143025_20180715T144514_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_20180715T151445_20180715T151749_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T152013_20180715T153544_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_20180715T153758_20180715T155249_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_20180715T155939_20180715T160153_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T160921_20180715T162333_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_20180715T162512_20180715T162641_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_20180715T162643_20180715T164124_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T170008_20180715T171452_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_20180715T171937_20180715T173318_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_20180715T173729_20180715T174557_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180715T174915_20180715T181101_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_20180715T184649_20180715T191259_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180715T191920_20180715T192408_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180715T192902_20180715T195310_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_20180715T202545_20180715T203539_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_20180715T204117_20180715T205111_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_20180715T205839_20180715T210436_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T210727_20180715T212940_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_20180715T215722_20180715T223017_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_20180715T223747_20180715T224307_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180715T224646_20180715T224828_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_20180715T232051_20180715T232442_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_20180715T233629_20180715T234548_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_20180715T234834_20180716T000948_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_20180715T025000_20180715T025143_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_20180715T092906_20180715T092945_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_20180715T113246_20180715T113531_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_20180715T122308_20180715T122323_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_20180715T164554_20180715T164746_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: 56

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: 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:

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_20180714T232912_20180715T001848_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_20180715T042652_20180715T051629_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220180715T101410_20180715T110347_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.

Number of products with errors: 3

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180714T232912_20180715T001848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T001848_20180715T010825_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_220180715T010825_20180715T015802_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_220180715T015802_20180715T024739_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_220180715T024739_20180715T033715_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_220180715T033715_20180715T042652_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_220180715T042652_20180715T051629_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T051629_20180715T060606_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_20180715T060606_20180715T065542_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T065542_20180715T074519_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_20180715T074519_20180715T083456_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_220180715T083456_20180715T092433_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_20180715T092433_20180715T101410_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T101410_20180715T110347_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_20180715T110347_20180715T115323_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T115323_20180715T124300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T124300_20180715T133237_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_20180715T133237_20180715T142214_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T142214_20180715T151150_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_20180715T151150_20180715T160127_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_20180715T160127_20180715T165104_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_20180715T165104_20180715T174041_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_20180715T174041_20180715T183017_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_20180715T183017_20180715T191955_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_20180715T191955_20180715T200931_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_20180715T200931_20180715T205908_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T205908_20180715T214845_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_20180715T214845_20180715T223822_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_220180715T223822_20180715T232758_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_220180715T232758_20180716T001735_C002	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 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.

Number of products with errors: 30

CS_OFFL_SIR_GOP_2_20180714T232912_20180715T001848_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status SWH Averaging Status SWH Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status SWH Averaging SWH Averagin	
CS_OFFL_SIR_GOP_2_20180715T001848_20180715T010825_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180715T010825_20180715T015802_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status Flags have records. The SWH, Ocean and Ice Averaging Status Flags have records. The SWH, Ocean and Ice Averaging Status Flags have records.	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T010825_20180715T015802_C001 Backscatter Averaging Status, Ice In e SWH, Ocean and Ice Averaging Status Flags have a control of the sweet of the s	
	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T015802_20180715T024739_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have not more records.	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T024739_20180715T033715_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	been set for one or
CS_OFFL_SIR_GOP_2_20180715T033715_20180715T042652_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T042652_20180715T051629_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	been set for one or
CS_OFFL_SIR_GOP_2_20180715T051629_20180715T060606_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T060606_20180715T065542_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	been set for one or
CS_OFFL_SIR_GOP_2_20180715T065542_20180715T074519_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T074519_20180715T083456_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T083456_20180715T092433_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have not more records.	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T092433_20180715T101410_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	been set for one or
CS_OFFL_SIR_GOP_2_20180715T101410_20180715T110347_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	ave been set for one
CS_OFFL_SIR_GOP_2_20180715T110347_20180715T115323_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	
CS_OFFL_SIR_GOP_2_20180715T115323_20180715T124300_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	
CS_OFFL_SIR_GOP_2_20180715T124300_20180715T133237_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have be more records.	been set for one or

CS_OFFL_SIR_GOP_2_20180715T133237_20180715T142214_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_20180715T142214_20180715T151150_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_20180715T151150_20180715T160127_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_20180715T160127_20180715T165104_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_20180715T165104_20180715T174041_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_20180715T174041_20180715T183017_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_20180715T183017_20180715T191955_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_20180715T191955_20180715T200931_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_20180715T200931_20180715T205908_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_20180715T205908_20180715T214845_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_20180715T214845_20180715T223822_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_20180715T223822_20180715T232758_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_20180715T232758_20180716T001735_C002	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: 25

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180715T001848_20180715T010825_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T010825_20180715T015802_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T015802_20180715T024739_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T024739_20180715T033715_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T033715_20180715T042652_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T042652_20180715T051629_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T060606_20180715T065542_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T065542_20180715T074519_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T074519_20180715T083456_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T083456_20180715T092433_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T092433_20180715T101410_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T101410_20180715T110347_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T110347_20180715T115323_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T115323_20180715T124300_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T124300_20180715T133237_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T133237_20180715T142214_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T142214_20180715T151150_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T151150_20180715T160127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T160127_20180715T165104_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T165104_20180715T174041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T183017_20180715T191955_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180715T191955_20180715T200931_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T205908_20180715T214845_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T223822_20180715T232758_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180715T232758_20180716T001735_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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