



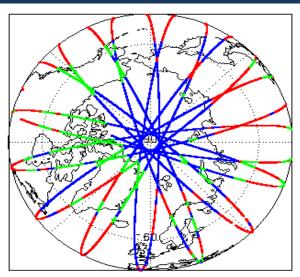
1. Overview

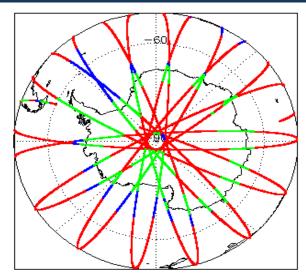
Report Production:	09-May-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

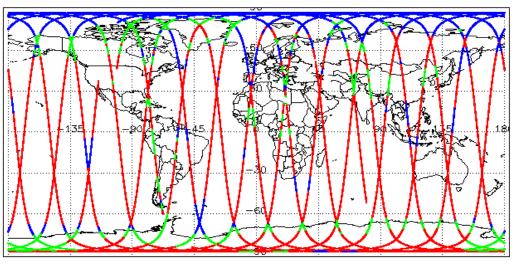
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

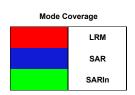
Mission / Instru	iment News
07-Apr-2018	None
08-Apr-2018	None
09-Apr-2018	Nothing planned

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:

Product		Description
CS_OFFL_SIR_GOPM1B_20180408T101607_20180408T102316_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180408T054511_20180408T061850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180408T101607_20180408T102316_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180408T221947_20180408T222657_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T053314_20180408T053502_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T080728_20180408T080925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T085105_20180408T085321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T134223_20180408T134713_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T185648_20180408T185730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T203619_20180408T203745_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T221041_20180408T221249_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180408T234954_20180408T235439_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T003636_20180408T004131_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T021026_20180408T021224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T035339_20180408T040221_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T071407_20180408T072120_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T084305_20180408T084650_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T103159_20180408T103812_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T130747_20180408T130841_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180408T171852_20180408T172237_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180408T101607_20180408T102316_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. 79

Product	Test Failed	Description The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180407T235631_20180408T002151_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180408T005419_20180408T010502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180408T011040_20180408T012217_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180408T012804_20180408T013252_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T013300_20180408T013404_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T013527_20180408T020326_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T022730_20180408T030140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T030713_20180408T031243_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T031409_20180408T032033_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T035133_20180408T035339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T040653_20180408T044107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T044615_20180408T045129_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T045309_20180408T051310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T054511_20180408T061850_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T062153_20180408T062615_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T062633_20180408T063028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T063229_20180408T070844_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T071012_20180408T071300_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T072832_20180408T073551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T074032_20180408T075817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T075955_20180408T080513_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T081544_20180408T082853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T083106_20180408T084305_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T091027_20180408T092052_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T092231_20180408T093732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T093921_20180408T094424_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T094448_20180408T094603_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T100019_20180408T100507_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T101136_20180408T101444_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T101607_20180408T102316_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T105453_20180408T111636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T111939_20180408T112340_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T112402_20180408T112611_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T112937_20180408T115349_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T123031_20180408T125612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T125728_20180408T130254_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T130300_20180408T130626_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T130841_20180408T132056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T132633_20180408T134223_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T140644_20180408T142644_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T142918_20180408T143555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T143729_20180408T144533_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T144812_20180408T152247_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T155741_20180408T160541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T160547_20180408T161523_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T161704_20180408T162220_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T162741_20180408T165033_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS. OFFL_SIR_GOPM_2_201804081171553_201804081717452_C001 Osean 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. 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	CS_OFFL_SIR_GOPM_2_20180408T165318_20180408T170243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Co. OFFL_SR_GOPM_2_201804087190718_20180408719080_001 Ocean Range Averaging Status Co. OFFL_SR_GOPM_2_201804087190718_20180408719080_001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more context. The Ocean Range Averaging Status Flag has been set for one or more cont	CS_OFFL_SIR_GOPM_2_20180408T171553_20180408T171852_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201804081710715_2018040871182302_C001 Ocean Range Averaging Status Fine Ocean Range Averaging Status Fing has been set for one or more records. CS_OFFL_SIR_GOPM_2_2018040817190436_20180408119428_C001 CS_OFFL_SIR_GOPM_2_2018040817190438_20180408119428_C001 CS_OFFL_SIR_GOPM_2_2018040817190438_20180408119428_C001 CS_OFFL_SIR_GOPM_2_2018040817190438_20180408119428_C001 CS_OFFL_SIR_GOPM_2_201804081719428_20180408194523_C001 CS_OFFL_SIR_GOPM_2_201804081719402_20180408179042018040810950812006_C001 CS_OFFL_SIR_GOPM_2_201804081794700_2018040812006_C001 CS_OFFL_SIR_GOPM_2_201804081794700_2018040812006_C001 CS_OFFL_SIR_GOPM_2_201804081794700_2018040812006_C001 CS_OFFL_SIR_GOPM_2_201804081720225_2018040812006_C001 CS_OFFL_SIR_GOPM_2_201804081720374_201804081203947_C001 CS_OFFL_SIR_GOPM_2_201804081720374_201804081203947_C001 CS_OFFL_SIR_GOPM_2_2018040812038225_C01804081203947_C001 CS_OFFL_SIR_GOPM_2_2018040812038225_C01804081203947_C001 CS_OFFL_SIR_GOPM_2_2018040812038242_C01804081203947_C001 CS_OFFL_SIR_GOPM_2_2018040812038242_C01804081203947_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408121094_C001 CS_OFFL_SIR_GOPM_2_201804081203947_C0180408120394081041394 CS_OFFL_SIR_GOPM_2_201804081203947_C018040812039408120081_C018040812039408120948141094_C001 CS_OFFL_SIR_GOPM_2_201804081081203947_C018040812039408120948141094_C001 CS_OFFL_SIR_GOPM_2_201804081081203947_C01804081203948141094_C001 CS_OFFL_SIR_GOPM_2_201804081081203947_C01804081203948141094_C001 CS_OFFL_SIR_GOPM_2_201804081081223947_C0101 CS_OFFL_SIR_GOPM_2_201804081081223947_C0101 CS_OFFL_SIR_GOPM_2_201804081081223945_C0101 CS_OFFL_SIR_GOPM_2_20180408108123948_C0180481123948_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20180408T173325_20180408T173924_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201804081190430_201804081190440_C0001 Ocean Range Averaging Status Fine Ocean Range Aver	CS_OFFL_SIR_GOPM_2_20180408T174111_20180408T175429_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T190332_20180408T194265_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T194252_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T194252_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T194252_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T201605_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T201605_CO01 CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T201605_CO01 CS_OFFL_SIR_GOPM_2_20180408T203245_20180408T203947_CO01 CS_OFFL_SIR_GOPM_2_20180408T203245_20180408T203947_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T203345_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T210445_CO01 CS_OFFL_SIR_GOPM_2_20180408T205500_20180408T210445_CO01 CS_OFFL_SIR_GOPM_2_20180408T20407_20180408T212444_CO01 CS_OFFL_SIR_GOPM_2_20180408T21247_20180408T212444_CO01 CS_OFFL_SIR_GOPM_2_20180408T21247_20180408T212444_CO01 CS_OFFL_SIR_GOPM_2_20180408T21247_20180408T21245_CO01 CC_OFFL_SIR_GOPM_2_20180408T21247_20180408T21245_CO01 CC_OFFL_SIR_GOPM_2_20180408T21247_20180408T21245_CO01 CC_OFFL_SIR_GOPM_2_20180408T21247_20180408T21245_CO01 CC_OFFL_SIR_GOPM_2_20180408T220500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T220500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T020500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T020500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T020500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T020500_20180408T205047_CO01 CC_OFFL_SIR_GOPM_2_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500_20180408T020500	CS_OFFL_SIR_GOPM_2_20180408T180715_20180408T183920_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T19428_2010 CS_OFFL_SIR_GOPM_2_20180408T19428_C001 CS_OFFL_SIR_GOPM_2_20180408T19428_C001 CS_OFFL_SIR_GOPM_2_20180408T19426_20180408T204695_C001 CS_OFFL_SIR_GOPM_2_20180408T19426_20180408T204695_C001 CS_OFFL_SIR_GOPM_2_20180408T20325_20180408T204695_C001 CS_OFFL_SIR_GOPM_2_20180408T20325_20180408T203699_C001 CS_OFFL_SIR_GOPM_2_20180408T20325_20180408T203699_C001 CS_OFFL_SIR_GOPM_2_20180408T20325_20180408T203699_C001 CS_OFFL_SIR_GOPM_2_20180408T203275_20180408T203947_C001 CS_OFFL_SIR_GOPM_2_20180408T204177_20180408T201845_C001 CS_OFFL_SIR_GOPM_2_20180408T204177_20180408T211044_C001 CS_OFFL_SIR_GOPM_2_20180408T201472_C0180408T211245_C001 CS_OFFL_SIR_GOPM_2_20180408T21204_20180408T21445_C001 CS_OFFL_SIR_GOPM_2_20180408T212047_20180408T21445_C001 CS_OFFL_SIR_GOPM_2_20180408T21284_20180408T21450_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_20180408T21450_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C0180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C0180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C0180408T203347_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T222826_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T203647_20180408T203847_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_20180408T03138_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_20180408T03138_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_20180408T03138_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_20180408T03138_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_20180408T03138_C001 CS_OFFL_SIR_GOPM_2_20180408T03047_C00480481180581_C001 CS_OFFL_SIR_GOPM_2	CS_OFFL_SIR_GOPM_2_20180408T185730_20180408T190420_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201804087194245_201804087194252_CO01 CS_OFFL_SIR_GOPM_2_201804087194265_21804087194523_CO01 CS_OFFL_SIR_GOPM_2_201804087194200_201804087201805_2018040872201805_201804087201805_2018	CS_OFFL_SIR_GOPM_2_20180408T190436_20180408T192856_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T194700_20180408T201805_C001 CS_OFFL_SIR_GOPM_2_20180408T194700_20180408T203819_C001 CS_OFFL_SIR_GOPM_2_20180408T203252_20180408T203819_C001 CS_OFFL_SIR_GOPM_2_20180408T203252_20180408T203947_C001 Ocean Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range A	CS_OFFL_SIR_GOPM_2_20180408T193833_20180408T194028_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPML_2_20180408T20315_20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20315_20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20315_20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20315_20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20180408T20315_CO01 CS_OFFL_SIR_GOPML_2_20180408T20180408T21054_CO01 CS_OFFL_SIR_GOPML_2_20180408T210711_20180408T211054_CO01 CS_OFFL_SIR_GOPML_2_20180408T210711_20180408T211054_CO01 CS_OFFL_SIR_GOPML_2_20180408T210711_20180408T211054_CO01 CS_OFFL_SIR_GOPML_2_20180408T21007_20180408T21434_CO01 CS_OFFL_SIR_GOPML_2_20180408T21207_20180408T21434_CO01 CS_OFFL_SIR_GOPML_2_20180408T22814_ZO07_20180408T21434_CO01 CS_OFFL_SIR_GOPML_2_20180408T22814_ZO080408T214310_CO01 CS_OFFL_SIR_GOPML_2_20180408T22820_20180408T22857_CO01 CS_OFFL_SIR_GOPML_2_20180408T22820_20180408T22850_CO01 CS_OFFL_SIR_GOPML_2_20180408T22820_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T230347_Z0180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T230347_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T230347_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T230347_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T230347_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T203047_20180408T230347_CO01 CS_OFFL_SIR_GOPML_2_20180408T203047_20180408T03038_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T03038_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T03038_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T030345_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T03038_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T0303021_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T0303021_20180408T10207_CO01 CS_OFFL_SIR_GOPML_2_20180408T0303021_20180408T10207_CO01 CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T194523_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T20374Z_20180408T20394Z_20180408T20394Z_20180408T20394Z_20180408T20394Z_20180408T20394Z_20180408T20184Z_20180408T018108Z_201804	CS_OFFL_SIR_GOPM_2_20180408T194700_20180408T201605_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_CO01 CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T201054_CO01 CS_OFFL_SIR_GOPM_2_20180408T205950_20180408T211054_CO01 CS_OFFL_SIR_GOPM_2_20180408T211771_20180408T211945_CO01 CS_OFFL_SIR_GOPM_2_20180408T211771_20180408T211945_CO01 CS_OFFL_SIR_GOPM_2_20180408T212007_20180408T211204_CO01 CS_OFFL_SIR_GOPM_2_20180408T212007_20180408T21120_CO01 CS_OFFL_SIR_GOPM_2_20180408T212017_20180408T21120_CO01 CS_OFFL_SIR_GOPM_2_20180408T212017_20180408T221207_CO01 CS_OFFL_SIR_GOPM_2_20180408T221207_20180408T222507_CO01 CS_OFFL_SIR_GOPM_2_20180408T221207_20180408T222507_CO01 CS_OFFL_SIR_GOPM_2_20180408T222507_CO01 CS_OFFL_SIR_GOPM_2_20180408T222507_CO01 CS_OFFL_SIR_GOPM_2_20180408T225057_CO01 CS_OFFL_SIR_GOPM_2_20180408T205057_CO01 CS_OFFL_SIR_GOPM_2_20180408T205057_CO01 CS_OFFL_SIR_GOPM_2_20180408T030058_20180408T03138_CO01 CS_OFFL_SIR_GOPM_2_20180408T030058_20180408T03138_CO01 CS_OFFL_SIR_GOPM_2_20180408T030059713_20180408T091027_CO01 CS_OFFL_SIR_GOPM_2_20180408T097130_20180408T091027_CO01 CS_OFFL_SIR_GOPM_2_20180408T097130_20180408T091027_CO01 CS_OFFL_SIR_GOPM_2_20180408T125612_20180408T112562_C001 CS_OFFL_SIR_GOPM_2_20180408T125612_20180408T1171400_CO01 CS_OFFL_SIR_GOPM_2_20180408T1050530_20180408T105758_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T105758_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T105758_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T105758_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T1057058_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T1057058_CO01 CS_OFFL_SIR_GOPM_2_20180408T105530_20180408T1057058_CO01 CS	CS_OFFL_SIR_GOPM_2_20180408T203225_20180408T203619_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408720950_20180408721054_C001 CS_OFFL_SIR_GOPM_2_201804087211711_201804087211945_C001 CS_OFFL_SIR_GOPM_2_201804087211711_201804087211945_C001 CS_OFFL_SIR_GOPM_2_201804087212007_201804087212434_C001 CS_OFFL_SIR_GOPM_2_201804087212007_201804087212434_C001 CS_OFFL_SIR_GOPM_2_201804087212007_201804087212434_C001 CS_OFFL_SIR_GOPM_2_201804087212614_201804087212434_C001 CS_OFFL_SIR_GOPM_2_201804087212614_201804087212434_C001 CS_OFFL_SIR_GOPM_2_201804087221947_201804087222857_C001 CS_OFFL_SIR_GOPM_2_201804087222947_201804087222857_C001 CS_OFFL_SIR_GOPM_2_201804087222820_201804087222857_C001 CS_OFFL_SIR_GOPM_2_201804087222820_2018040872228242_C001 CS_OFFL_SIR_GOPM_2_201804087228455_201804087223956_C001 CS_OFFL_SIR_GOPM_2_201804087230547_201804087230347_C001 CS_OFFL_SIR_GOPM_2_201804087230547_201804087232956_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063038_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063138_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063038_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087063028_C001 CS_OFFL_SIR_GOPM_2_201804087063028_201804087117112001 CS_OFFL_SIR_GOPM_2_201804087063028_2018040871063028_20	CS_OFFL_SIR_GOPM_2_20180408T203745_20180408T203947_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T21791_20180408T214124_C001	CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T21207_20180408T212434_C001 Ice Range Averaging Status The locean Range Averaging 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_20180408T212614_20180408T212457_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	CS_OFFL_SIR_GOPM_2_20180408T205950_20180408T211054_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T212047_20180408T21410_C001	CS_OFFL_SIR_GOPM_2_20180408T211711_20180408T211945_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180408T221947_20180408T222657_CO01 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 Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag	CS_OFFL_SIR_GOPM_2_20180408T212007_20180408T212434_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180408T222820_20180408T225242_CO01 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. CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T1054_20180408T211711_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T003219_20180408T003445_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 Ocea	CS_OFFL_SIR_GOPM_2_20180408T212614_20180408T214120_C001	Ocean Range Averaging Status	records.
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CS_OFFL_SIR_GOPM_2_20180408122945_201804081230947_C001 CS_OFFL_SIR_GOPM_2_20180408T063028_20180408T063138_C001 CS_OFFL_SIR_GOPN_2_20180408T063028_20180408T063138_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T180530_20180408T180611_C001 CS_OFFL_SIR_GOPN_2_20180408T1054_20180408T211711_C001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T211054_20180408T003445_C001 CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 Coean 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 loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_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 ha	CS_OFFL_SIR_GOPM_2_20180408T222820_20180408T225242_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180408T063028_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T090713_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T090713_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 CS_OFFL_SIR_GOPN_2_20180408T1125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 CS_OFFL_SIR_GOPN_2_20180408T121054_20180408T121711_C001 CS_OFFL_SIR_GOPN_2_20180408T211054_20180408T03445_C001 CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T002329_C001 CS_OFFL_SIR_GOPR_2_20180408T0171213_20180408T071322_C001 CS_OFFL_SIR_GOPR_2_20180408T071329_20180408T071322_C001 CCS_OFFL_SIR_GOPR_2_20180408T071213_20180408T071322_C001 CCS_OFFL_SIR_GOPR_2_20180408T071213	CS_OFFL_SIR_GOPM_2_20180408T225455_20180408T230347_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001 CS_OFFL_SIR_GOPN_2_20180408T09713_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T090713_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The 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_GOPN_2_20180408T003219_20180408T003445_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20180408T230547_20180408T232958_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180408T09713_20180408T091027_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 CS_OFFL_SIR_GOPN_2_20180408T112356_20180408T112402_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T180530_20180408T180611_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_GOPN_2_20180408T063028_20180408T063138_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20180408T1930713_20180408T112402_C001 Ice Range Averaging Status 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. CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001 Ice Range Averaging Status CS_OFFL_SIR_GOPN_2_20180408T180530_20180408T180611_C001 CCS_OFFL_SIR_GOPN_2_20180408T211054_20180408T211711_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPN_2_20180408T003219_20180408T003445_C001 CCS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 CCS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_C001 CCS_OFFL_SIR_GOPR_2_20180408T01329_20180408T022329_C001 CCS_OFFL_SIR_GOPR_2_20180408T171213_20180408T171432_C001	CS_OFFL_SIR_GOPN_2_20180408T071300_20180408T071407_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001	CS_OFFL_SIR_GOPN_2_20180408T090713_20180408T091027_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180408T180530_20180408T180611_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_GOPN_2_20180408T211054_20180408T211711_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_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_GOPN_2_20180408T112356_20180408T112402_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180408T180630_20180408T180611_C001 CS_OFFL_SIR_GOPN_2_20180408T211054_20180408T211711_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPR_2_20180408T171213_20180408T171432_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_GOPN_2_20180408T125612_20180408T125728_C001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001 Ocean Range Averaging Status CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_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_GOPN_2_20180408T211054_20180408T211711_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T171232_20180408T171432_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOFR_2_201604061171213_201604061171432_C001	CS_OFFL_SIR_GOPR_2_20180408T021329_20180408T022329_C001	Ocean Range Averaging Status	records.
The Occasion Design Assessment Objects Florida	CS_OFFL_SIR_GOPR_2_20180408T171213_20180408T171432_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180408T202437_20180408T202949_C001 Ocean Range Averaging Status Ine Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPR_2_20180408T202437_20180408T202949_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180407T235631_20180408T002151_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_20180408T005419_20180408T010502_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_20180408T011040_20180408T012217_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_20180408T012804_20180408T013252_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T013300_20180408T013404_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T013527_20180408T020326_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_20180408T022730_20180408T030140_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_20180408T030713_20180408T031243_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T031409_20180408T032033_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_20180408T035133_20180408T035339_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_20180408T040653_20180408T044107_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_20180408T044615_20180408T045129_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T045309_20180408T051310_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_20180408T054511_20180408T061850_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_20180408T062153_20180408T062615_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T062633_20180408T063028_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T063229_20180408T070844_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_20180408T071012_20180408T071300_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T072832_20180408T073551_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180408T074032_20180408T075817_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_20180408T075955_20180408T080513_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_20180408T080532_20180408T080728_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180408T081544_20180408T082853_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180408T083106_20180408T084305_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 20180408T091027 20180408T092052 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_20180408T092231_20180408T093732_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_20180408T093921_20180408T094424_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180408T094448_20180408T094603_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_20180408T100019_20180408T100507_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_20180408T101136_20180408T101444_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_20180408T105453_20180408T111636_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180408T111939_20180408T112340_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180408T112937_20180408T115349_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_20180408T123031_20180408T125612_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_20180408T125728_20180408T130254_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T130300_20180408T130626_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T130841_20180408T132056_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_20180408T132633_20180408T134223_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_20180408T140644_20180408T142644_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_20180408T142918_20180408T143555_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_20180408T143729_20180408T144533_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T144812_20180408T152247_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_20180408T155741_20180408T160541_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_20180408T160547_20180408T161523_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_20180408T161704_20180408T162220_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T162741_20180408T165033_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_20180408T165318_20180408T170243_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_20180408T171553_20180408T171852_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_20180408T173325_20180408T173924_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_20180408T174111_20180408T175429_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_20180408T180715_20180408T183920_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_20180408T185730_20180408T190420_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_20180408T190436_20180408T192856_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_20180408T193833_20180408T194028_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T194245_20180408T194523_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T194700_20180408T201605_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180408T203225_20180408T203619_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T203745_20180408T203947_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180408T204127_20180408T205331_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_20180408T205950_20180408T211054_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_20180408T211711_20180408T211945_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_20180408T212007_20180408T212434_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	1 3 13 13	records.

CS_OFFL_SIR_GOPM_2_20180408T212614_20180408T214120_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_20180408T221947_20180408T222657_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_20180408T222820_20180408T225242_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_20180408T225455_20180408T230347_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180408T230547_20180408T232958_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_20180408T063028_20180408T063138_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_20180408T071300_20180408T071407_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_20180408T090713_20180408T091027_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_20180408T112356_20180408T112402_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180408T125612_20180408T125728_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180408T180530_20180408T180611_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_20180408T211054_20180408T211711_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180408T003219_20180408T003445_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_20180408T021329_20180408T022329_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_20180408T171213_20180408T171432_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_20180408T202437_20180408T202949_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: 59

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:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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_220180408T094443_20180408T103418_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180407T234922_20180408T003857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T003857_20180408T012835_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T012835_20180408T021811_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_220180408T021811_20180408T030749_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T030749_20180408T035724_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_220180408T035724_20180408T044702_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T044702_20180408T053638_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_20180408T053638_20180408T062616_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_20180408T062616_20180408T071551_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_20180408T071551_20180408T080529_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_20180408T080529_20180408T085505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T085505_20180408T094443_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_20180408T094443_20180408T103418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T103418_20180408T112357_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_20180408T112357_20180408T121332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T121332_20180408T130310_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_20180408T130310_20180408T135246_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_20180408T135246_20180408T144224_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_20180408T144224_20180408T153159_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_20180408T153159_20180408T162137_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_20180408T162137_20180408T171113_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T171113_20180408T180051_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T180051_20180408T185026_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_20180408T185026_20180408T194004_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T194004_20180408T202940_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_20180408T202940_20180408T211918_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_20180408T211918_20180408T220853_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_220180408T220853_20180408T225832_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_20180408T225832_20180408T234807_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180407T234922_20180408T003857_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_20180408T003857_20180408T012835_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_20180408T012835_20180408T021811_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_20180408T021811_20180408T030749_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_20180408T030749_20180408T035724_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_20180408T035724_20180408T044702_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_20180408T044702_20180408T053638_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_20180408T053638_20180408T062616_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_20180408T062616_20180408T071551_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_20180408T071551_20180408T080529_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_20180408T080529_20180408T085505_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_20180408T085505_20180408T094443_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_20180408T094443_20180408T103418_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_20180408T103418_20180408T112357_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_20180408T112357_20180408T121332_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_20180408T121332_20180408T130310_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_20180408T130310_20180408T135246_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_20180408T135246_20180408T144224_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_220180408T144224_20180408T153159_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_20180408T153159_20180408T162137_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_20180408T162137_20180408T171113_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_20180408T171113_20180408T180051_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_20180408T180051_20180408T185026_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_20180408T185026_20180408T194004_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_20180408T194004_20180408T202940_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_20180408T202940_20180408T211918_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_20180408T211918_20180408T220853_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_20180408T220853_20180408T225832_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_20180408T225832_20180408T234807_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.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180407T234922_20180408T003857_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T003857_20180408T012835_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T012835_20180408T021811_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T021811_20180408T030749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T030749_20180408T035724_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T035724_20180408T044702_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T044702_20180408T053638_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T053638_20180408T062616_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T062616_20180408T071551_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T071551_20180408T080529_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T080529_20180408T085505_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T085505_20180408T094443_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T094443_20180408T103418_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T103418_20180408T112357_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T112357_20180408T121332_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T121332_20180408T130310_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T130310_20180408T135246_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T135246_20180408T144224_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T144224_20180408T153159_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T153159_20180408T162137_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T162137_20180408T171113_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T171113_20180408T180051_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T180051_20180408T185026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T185026_20180408T194004_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T194004_20180408T202940_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T202940_20180408T211918_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180408T211918_20180408T220853_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T220853_20180408T225832_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180408T225832_20180408T234807_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180408T234807_20180409T003745_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.