



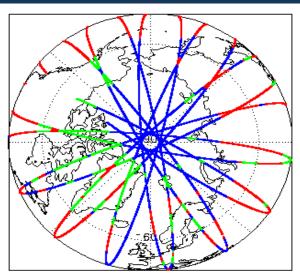
1. Overview

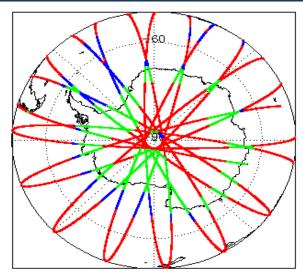
Report Production:	11-Apr-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

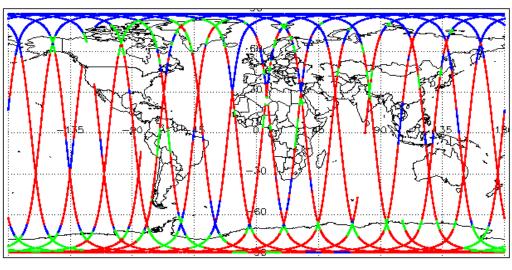
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

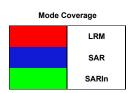
Mission / Instrument News		
12-Mar-2018	None	
13-Mar-2018	None	
14-Mar-2018	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180313T042359_20180313T042447_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180313T053434_20180313T054425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180313T094004_20180313T095132_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180313T095336_20180313T100922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180313T144135_20180313T150719_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180313T215804_20180313T221343_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T002620_20180313T002818_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T042539_20180313T042632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T074022_20180313T074108_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T110159_20180313T110409_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T210657_20180313T210815_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180313T233529_20180313T233717_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180313T041533_20180313T041712_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180313T042028_20180313T042053_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180313T042633_20180313T043420_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180313T161822_20180313T162002_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:

Product	Test Failed
CS_OFFL_SIR_GOPR_2_20180313T093708_20180313T093718_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

5.6 L2 Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 81

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180312T235057_20180313T001517_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T001730_20180313T002620_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS OFFL SIR GOPM 2 20180313T002818 20180313T005235 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180313T011933 20180313T015432 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180313T015947_20180313T020410_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180313T020709_20180313T023332_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180313T030109_20180313T031602_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180313T032136_20180313T033334_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180313T033900_20180313T034449_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T034613_20180313T035256_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T035451_20180313T041008_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T042359_20180313T042447_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T043734_20180313T051235_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T051806_20180313T052320_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T052457_20180313T052806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T053007_20180313T053424_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T053434_20180313T054425_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T060039_20180313T060319_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T061718_20180313T062613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T062859_20180313T065124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T065813_20180313T070223_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T070414_20180313T072637_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T072733_20180313T073152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T073626_20180313T073937_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T073937_20180313T074022_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T075805_20180313T082037_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T082041_20180313T083009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T083138_20180313T083705_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T083724_20180313T083950_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T084809_20180313T090039_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T090122_20180313T091827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T094004_20180313T095132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T095336_20180313T100922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T101105_20180313T101601_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T102502_20180313T103725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T104206_20180313T105350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T113258_20180313T114811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T115030_20180313T115514_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T120117_20180313T122836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T130233_20180313T131000_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T132302_20180313T132755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T133053_20180313T133429_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T134043_20180313T135522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T135820_20180313T140939_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T144135_20180313T150719_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T150846_20180313T151343_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T151350_20180313T151719_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T152023_20180313T153159_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T153734_20180313T155528_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T160831_20180313T160906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T164032_20180313T164155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180313T164354_20180313T164703_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T164844_20180313T165414_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T165920_20180313T173342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T174711_20180313T174844_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T180629_20180313T182611_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T182804_20180313T183310_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T183822_20180313T191243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T193806_20180313T200045_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T200353_20180313T200425_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T201856_20180313T202819_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T202822_20180313T203403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T203408_20180313T203637_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T204119_20180313T204930_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T210838_20180313T212537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T212732_20180313T214152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T215220_20180313T215627_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T215804_20180313T221343_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T221544_20180313T222507_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T224321_20180313T224413_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T225323_20180313T230431_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T231001_20180313T231848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T231851_20180313T232443_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T232717_20180313T233529_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T001553_20180313T001730_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T074435_20180313T074602_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T092405_20180313T092508_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T110159_20180313T110409_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T215627_20180313T215804_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180313T083010_20180313T083016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180313T163741_20180313T164032_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_20180312T235057_20180313T001517_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_20180313T001730_20180313T002620_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T002818_20180313T005235_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_20180313T011933_20180313T015432_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_20180313T015947_20180313T020410_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T020709_20180313T023332_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_20180313T030109_20180313T031602_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_20180313T032136_20180313T033334_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_20180313T033900_20180313T034449_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T034613_20180313T035256_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_20180313T035451_20180313T041008_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_20180313T042359_20180313T042447_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_20180313T043734_20180313T051235_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T051806_20180313T052320_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T052457 20180313T052806 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T053007_20180313T053424_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T053434_20180313T054425_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T061718_20180313T062613_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T062859_20180313T065124_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180313T065813 20180313T070223 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T070414 20180313T072637 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T072733_20180313T073152_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T073626_20180313T073937_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T073937_20180313T074022_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T075805_20180313T082037_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T082041_20180313T083009_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T083138_20180313T083705_C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T083724_20180313T083950_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T084428 20180313T084456 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T084809_20180313T090039_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_GOPM_2_20180313T090122_20180313T091827_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T094004 20180313T095132 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T095336_20180313T100922_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T101105_20180313T101601_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T102502 20180313T103725 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T104206_20180313T105350_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T113258 20180313T114811 C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180313T115030 20180313T115514 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T120117 20180313T122836 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T130233_20180313T131000_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_GOPM_2_20180313T132302_20180313T132755_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T133053_20180313T133429_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T134043 20180313T135522 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T135820_20180313T140939_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T144135_20180313T150719_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180313T150846 20180313T151343 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T151350_20180313T151719_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T152023_20180313T153159_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T153734_20180313T155528_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T160831_20180313T160906_C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR GOPM 2 20180313T164032 20180313T164155 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T164354 20180313T164703 C001 **Backscatter Averaging Status** more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180313T164844_20180313T165414_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T165920_20180313T173342_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T174711 20180313T174844 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T180629_20180313T182611_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180313T182804 20180313T183310 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T183822_20180313T191243_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T193806_20180313T200045_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T200353 20180313T200425 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T201856_20180313T202819_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T202822_20180313T203403_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180313T203408 20180313T203637 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180313T204119_20180313T204930_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_GOPM_2_20180313T210838_20180313T212537_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_20180313T212732_20180313T214152_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_20180313T215220_20180313T215627_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T215804_20180313T221343_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_20180313T221544_20180313T222507_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_20180313T224321_20180313T224413_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180313T225323_20180313T230431_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_20180313T231001_20180313T231848_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_20180313T231851_20180313T232443_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_20180313T232717_20180313T233529_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T001553_20180313T001730_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180313T074435_20180313T074602_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_20180313T092405_20180313T092508_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_20180313T215627_20180313T215804_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_20180313T083010_20180313T083016_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_20180313T163741_20180313T164032_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: 65

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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:

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_220180312T233129_20180313T002103_C002	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T002103_20180313T011042_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_220180313T011042_20180313T020017_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T020017_20180313T024956_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_220180313T024956_20180313T033931_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_220180313T033931_20180313T042910_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_220180313T042910_20180313T051844_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_220180313T051844_20180313T060823_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_20180313T060823_20180313T065758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180313T065758_20180313T074737_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_220180313T074737_20180313T083711_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_220180313T083711_20180313T092650_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_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_20180313T101624_20180313T110604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T110604_20180313T115538_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_20180313T115538_20180313T124517_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T124517_20180313T133452_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_220180313T133452_20180313T142431_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_220180313T142431_20180313T151405_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_20180313T151405_20180313T160344_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_220180313T160344_20180313T165319_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_220180313T165319_20180313T174258_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T174258_20180313T183233_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T183233_20180313T192212_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_20180313T192212_20180313T201146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T201146_20180313T210125_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T210125_20180313T215059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180313T215059_20180313T224039_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_20180313T224039_20180313T233013_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_220180312T233129_20180313T002103_C002	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_20180313T002103_20180313T011042_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_20180313T011042_20180313T020017_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_20180313T020017_20180313T024956_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_20180313T024956_20180313T033931_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_20180313T033931_20180313T042910_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_220180313T042910_20180313T051844_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_20180313T051844_20180313T060823_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_220180313T060823_20180313T065758_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_220180313T065758_20180313T074737_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_20180313T074737_20180313T083711_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_20180313T083711_20180313T092650_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_20180313T092650_20180313T101624_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_20180313T101624_20180313T110604_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_20180313T110604_20180313T115538_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_20180313T115538_20180313T124517_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_20180313T124517_20180313T133452_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.

SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180313T133452_20180313T142431_C001 Backscatter Averaging Status, Ice or more records Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180313T142431_20180313T151405_C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180313T151405_20180313T160344_C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180313T160344 20180313T165319 C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR GOP 2 20180313T165319 20180313T174258 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180313T174258_20180313T183233_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180313T183233_20180313T192212_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180313T192212_20180313T201146_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2_20180313T201146_20180313T210125_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180313T210125_20180313T215059_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180313T215059 20180313T224039 C001 Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH. Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180313T224039 20180313T233013 C001 Backscatter Averaging Status, Ice Backscatter Averaging Status

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.

CS_OFFL_SIR_GOP_2_20180313T002103_20180313T011042_C001 CS_OFFL_SIR_GOP_2_20180313T011042_20180313T020017_C001 CS_OFFL_SIR_GOP_2_20180313T020017_20180313T024956_C001 CS_OFFL_SIR_GOP_2_20180313T024956_20180313T033931_C001 CS_OFFL_SIR_GOP_2_20180313T024956_20180313T033931_C001 CS_OFFL_SIR_GOP_2_20180313T033931_20180313T042910_C001 CS_OFFL_SIR_GOP_2_20180313T042910_20180313T051844_C001 CS_OFFL_SIR_GOP_2_20180313T051844_20180313T060823_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T0747737_C001 CS_OFFL_SIR_GOP_2_20180313T047737_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T047737_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T032711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T1154517_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T1154517_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T115405_C001 CS_OFFL_SIR_GOP_2_20180313T115405_20180313T115405_C001 CS_OFFL_SIR_GOP_2_20180313T115405_20180313T1160344_C001 CS_OFFL_SIR_GOP_2_20180313T115405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T115405_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T151405_20180313T165319_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T15405_20180313T160344_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 COEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T020017_20180313T024956_C001 CS_OFFL_SIR_GOP_2_20180313T024956_20180313T033931_C001 CS_OFFL_SIR_GOP_2_20180313T033931_20180313T042910_C001 CS_OFFL_SIR_GOP_2_20180313T042910_20180313T051844_C001 CS_OFFL_SIR_GOP_2_20180313T051844_20180313T060823_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T1405344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258	
CS_OFFL_SIR_GOP_2_20180313T024956_20180313T033931_C001 CS_OFFL_SIR_GOP_2_20180313T033931_20180313T042910_C001 CS_OFFL_SIR_GOP_2_20180313T042910_20180313T051844_C001 CS_OFFL_SIR_GOP_2_20180313T051844_20180313T051844_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T060823_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T13452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T15405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T15405_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T15100344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T15100344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T15100344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T15100344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T174258_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T174258_C001 CCEAN Retracking Quality CS_OFFL_SIR_GOP_2_20180	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T033931_20180313T042910_C001 CS_OFFL_SIR_GOP_2_20180313T042910_20180313T051844_C001 CS_OFFL_SIR_GOP_2_20180313T051844_20180313T060823_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T1124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T15405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T165319_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 Ocean Retracking Quality	
CS_OFFL_SIR_GOP_2_20180313T042910_20180313T051844_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T051844_20180313T060823_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T092650_20180313T092650_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T1092650_20180313T101624_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T115538_20180313T115538_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T142431_20180313T142431_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T174258_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T051844_20180313T060823_C001 CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T10624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T1405_C001 CS_OFFL_SIR_GOP_2_20180313T1405_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T174258_C001 CCean Retracking Quality	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T060823_20180313T065758_C001 CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T15405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T15405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T174258_C001 CCean Retracking Quality	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T065758_20180313T074737_C001 CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T15405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T15405_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CCean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T074737_20180313T083711_C001 CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T1124517_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 Ocean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T083711_20180313T092650_C001 CS_OFFL_SIR_GOP_2_20180313T092650_20180313T101624_C001 CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T13452_C001 CS_OFFL_SIR_GOP_2_20180313T13452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T174258_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CCean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CCean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T1092650_20180313T101624_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T101624_20180313T110604_C001 CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T110604_20180313T115538_C001 CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T115538_20180313T124517_C001 CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T124517_20180313T133452_C001 CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T133452_20180313T142431_C001 CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T142431_20180313T151405_C001 CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001 CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001 CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001 CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001 Ocean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T151405_20180313T160344_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T160344_20180313T165319_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T165319_20180313T174258_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T174258_20180313T183233_C001	Flag The Ocean Retracking Quality Flag has been set for one or more records.
	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T183233_20180313T192212_C001 Ocean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T192212_20180313T201146_C001 Ocean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T201146_20180313T210125_C001 Ocean Retracking Quality	Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T210125_20180313T215059_C001 Ocean Retracking Quality	
CS_OFFL_SIR_GOP_2_20180313T215059_20180313T224039_C001 Ocean Retracking Quality	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180313T224039_20180313T233013_C001 Ocean Retracking Quality	