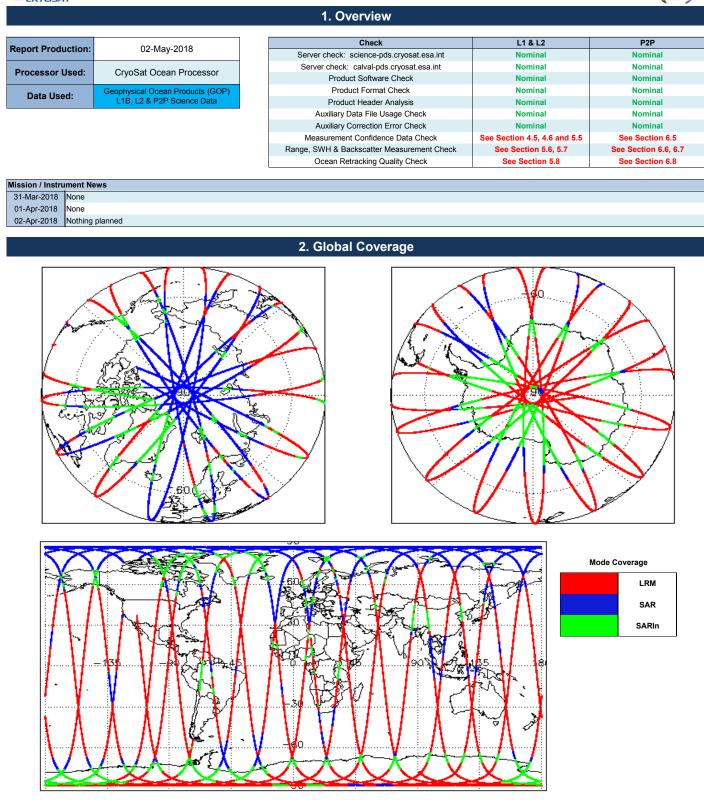


IDEAS+ Daily Report for GOP data:

<u>01/04/2018</u>





3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

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:

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.
Number of products with errors:
0

4.3 L1B Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to ch	neck the validity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
4.4 L1B Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicates	any problems when set.	
Number of products with errors: 0			
4.5 L1B Measurement Confidence Data Check			
	nont record. The hit value of this flag	rindicates any problems when set	
CryoSat L1B data includes a measurement confidence flag for each measurer Attitude Correction Missing: This flag is currently set in error for GOPR prod			
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_GOPM1B_20180401T042253_20180401T042925_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records	
4.6.1.4.B. Wayafarm Crown Data Chack			
4.6 L1B Waveform Group Data Check			
CryoSat L1B data includes a waveform data flag for each measurement record	-	any problems when set.	
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 18	to be expected.		
Product CS_OFFL_SIR_GOPM1B_20180401T031106_20180401T031204_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPM1B_20180401T084042_20180401T085631_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPM1B_20180401T210300_20180401T211222_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180331T235935_20180401T000423_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T031318_20180401T031344_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T044639_20180401T044806_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T053949_20180401T054401_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T094911_20180401T095123_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T135422_20180401T135554_C001 CS_OFFL_SIR_GOPN1B_20180401T154331_20180401T154447_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T212921_20180401T213030_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T213146_20180401T213336_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20180401T235124_20180401T235314_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20180401T030251_20180401T030441_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20180401T031345_20180401T032138_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20180401T041935_20180401T042139_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20180401T094031_20180401T094227_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20180401T193541_20180401T194031_C001	Loss of Echo	The tracking echo is missing for one or more records	
5. G	OP Level 2 Data Qual	ity Check	
5.1 L2 Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML he	ader file (.HDR) and a binary product file (.DBL).	
Number of products with errors: 0			
5.2 L2 Product Header Analysis			
·	d CDI Lin order to identify any income	istension and/or owner spined by the second compart approaching their	
For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors: 0	SPH in order to identity any incons	istencies and/or errors raised by the ground-segment processing chain.	
5.3 L2 Auxiliary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to ch	neck the validity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
5.4 L2 Auxiliary Correction Error Check			
	ecked for the default error value (32)	767).	
For all products, the auxiliary corrections within the Geophysical Group are che			
Number of products with errors: 0			

1

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180401T042253_20180401T042925_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
	· · · · · · · · · · · · · · · · · · ·	

5.6 L2 Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 75

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180401T000646_20180401T004149_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T004656_20180401T005128_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T005426_20180401T012014_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T015154_20180401T020312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T020850_20180401T022050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T022613_20180401T023205_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T023332_20180401T025513_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T025605_20180401T025903_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T032435_20180401T035948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T040519_20180401T041036_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T041210_20180401T041517_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T041717_20180401T041934_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T044806_20180401T045043_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_GOPM_2_20180401T050445_20180401T051321_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor records.
	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_GOPM_2_20180401T054401_20180401T054520_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T054528_20180401T054935_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T055108_20180401T060442_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T060630_20180401T061340_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_GOPM_2_20180401T061424_20180401T061904_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_GOPM_2_201804011061424_201804011061904_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
		records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T071902_20180401T072418_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T072438_20180401T072724_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_GOPM_2_20180401T073520_20180401T080531_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T080716_20180401T081114_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_GOPM_2_20180401T082605_20180401T083837_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_GOPM_2_20180401T084042_20180401T085631_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T085814_20180401T090316_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T090355_20180401T090519_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T091239_20180401T092257_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180401T092916_20180401T094031_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180401T101619_20180401T101902_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or morecords.
CS_OFFL_SIR_GOPM_2_20180401T102041_20180401T103524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T103726_20180401T104226_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T104252_20180401T104301_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T104855_20180401T112247_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T115040_20180401T121501_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mo records.
CS_OFFL_SIR_GOPM_2_20180401T121811_20180401T122143_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T122206_20180401T122533_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T122750_20180401T125709_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mo records.
CS_OFFL_SIR_GOPM_2_20180401T132838_20180401T135422_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or morecords.
CS_OFFL_SIR_GOPM_2_20180401T135554_20180401T140057_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T140716_20180401T141906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T142444_20180401T144211_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T150430_20180401T150939_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T152741_20180401T153413_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_GOPM_2_20180401T153552_20180401T154129_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T154640_20180401T162044_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.

CS_OFFL_SIR_GOPM_2_20180401T163434_20180401T163531_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T165359_20180401T171342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T171514_20180401T172024_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T172543_20180401T180032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T182459_20180401T182920_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T183016_20180401T184752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T190621_20180401T192628_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T192828_20180401T193541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T195532_20180401T201328_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T201441_20180401T202827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T203948_20180401T204338_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T204519_20180401T210058_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T210300_20180401T211222_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T214010_20180401T215141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T220734_20180401T220903_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T220914_20180401T221121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T221445_20180401T222240_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T222428_20180401T224003_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T231733_20180401T233201_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T233204_20180401T235046_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T235314_20180401T235525_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T235545_20180402T000129_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180401T062912_20180401T063313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180401T121540_20180401T121811_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180401T122200_20180401T122206_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180401T073218_20180401T073520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180401T091227_20180401T091239_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. 73

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180401T000646_20180401T004149_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_20180401T004656_20180401T005128_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T005426_20180401T012014_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_20180401T015154_20180401T020312_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_20180401T020850_20180401T022050_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_20180401T022613_20180401T023205_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T023332_20180401T025513_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_20180401T025605_20180401T025903_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_20180401T032435_20180401T035948_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_20180401T040519_20180401T041036_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180401T041210_20180401T041517_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_20180401T041717_20180401T041934_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_20180401T044806_20180401T045043_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_20180401T050445_20180401T051321_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_20180401T051607_20180401T053906_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_20180401T054401_20180401T054520_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180401T054528_20180401T054935_C001 CS_OFFL_SIR_GOPM_2_20180401T055108_20180401T060442_C001 CS_OFFL_SIR_GOPM_2_20180401T060630_20180401T061340_C001 CS_OFFL_SIR_GOPM_2_20180401T061424_20180401T061904_C001 CS OFFL SIR GOPM 2 20180401T064428 20180401T071714 C001 CS_OFFL_SIR_GOPM_2_20180401T071902_20180401T072418_C001 CS OFFL SIR GOPM 2 20180401T072438 20180401T072724 C001 CS OFFL SIR GOPM 2 20180401T073520 20180401T080531 C001 CS_OFFL_SIR_GOPM_2_20180401T080716_20180401T081114_C001 CS_OFFL_SIR_GOPM_2_20180401T082605_20180401T083837_C001 CS OFFL SIR GOPM 2 20180401T084042 20180401T085631 C001 CS_OFFL_SIR_GOPM_2_20180401T085814_20180401T090316_C001 CS OFFL SIR GOPM 2 20180401T091239 20180401T092257 C001 CS_OFFL_SIR_GOPM_2_20180401T092916_20180401T094031_C001 CS_OFFL_SIR_GOPM_2_20180401T101619_20180401T101902_C001 CS OFFL SIR GOPM 2 20180401T102041 20180401T103524 C001 CS OFFL SIR GOPM 2 20180401T103726 20180401T104226 C001 CS_OFFL_SIR_GOPM_2_20180401T104252_20180401T104301_C001 CS OFFL SIR GOPM 2 20180401T104855 20180401T112247 C001 CS_OFFL_SIR_GOPM_2_20180401T115040_20180401T121501_C001 CS_OFFL_SIR_GOPM_2_20180401T121811_20180401T122143_C001 CS OFFL SIR GOPM 2 20180401T122206 20180401T122533 C001 CS_OFFL_SIR_GOPM_2_20180401T122750_20180401T125709_C001 CS OFFL SIR GOPM 2 20180401T132838 20180401T135422 C001 CS OFFL SIR GOPM 2 20180401T135554 20180401T140057 C001 CS OFFL SIR GOPM 2 20180401T140716 20180401T141906 C001 CS_OFFL_SIR_GOPM_2_20180401T142444_20180401T144211_C001 CS_OFFL_SIR_GOPM_2_20180401T150430_20180401T150939_C001 CS_OFFL_SIR_GOPM_2_20180401T152741_20180401T153413_C001 CS OFFL SIR GOPM 2 20180401T153552 20180401T154129 C001 CS_OFFL_SIR_GOPM_2_20180401T154640_20180401T162044_C001 CS_OFFL_SIR_GOPM_2_20180401T165359_20180401T171342_C001 CS OFFL SIR GOPM_2_20180401T171514_20180401T172024_C001 CS_OFFL_SIR_GOPM_2_20180401T172543_20180401T180032_C001 CS_OFFL_SIR_GOPM_2_20180401T182459_20180401T182920_C001 CS OFFL SIR GOPM 2 20180401T183016 20180401T184752 C001 CS_OFFL_SIR_GOPM_2_20180401T190621_20180401T192628_C001 CS_OFFL_SIR_GOPM_2_20180401T192828_20180401T193541_C001 CS OFFL SIR GOPM 2 20180401T195532 20180401T201328 C001 CS OFFL SIR GOPM 2 20180401T201441 20180401T202827 C001 CS_OFFL_SIR_GOPM_2_20180401T203948_20180401T204338_C001 CS OFFL SIR GOPM 2 20180401T204519 20180401T210058 C001 CS_OFFL_SIR_GOPM_2_20180401T210300_20180401T211222_C001 CS OFFL SIR GOPM 2 20180401T213031 20180401T213146 C001 CS_OFFL_SIR_GOPM_2_20180401T214010_20180401T215141_C001 CS_OFFL_SIR_GOPM_2_20180401T220914_20180401T221121_C001 CS OFFL SIR GOPM 2 20180401T221445 20180401T222240 C001 CS_OFFL_SIR_GOPM_2_20180401T222428_20180401T224003_C001 CS_OFFL_SIR_GOPM_2_20180401T231733_20180401T233201_C001 CS OFFL SIR GOPM 2 20180401T233204 20180401T235046 C001 CS OFFL SIR GOPM 2 20180401T235314 20180401T235525 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status ecords SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

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

CS_OFFL_SIR_GOPM_2_20180401T235545_20180402T000129_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180401T062912_20180401T063313_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_20180401T121540_20180401T121811_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180401T122200_20180401T122206_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180401T073218_20180401T073520_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_20180401T091227_20180401T091239_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

0

59

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:

caling of the L2 waveform for one or more records
ca

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. 30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180331T235754_20180401T004731_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180401T004731_20180401T013707_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_220180401T013707_20180401T022644_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180401T022644_20180401T031621_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_220180401T031621_20180401T040558_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_220180401T040558_20180401T045534_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_220180401T045534_20180401T054511_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_220180401T054511_20180401T063448_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_220180401T063448_20180401T072425_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_220180401T072425_20180401T081401_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_220180401T081401_20180401T090338_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_220180401T090338_20180401T095315_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_220180401T095315_20180401T104252_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_220180401T104252_20180401T113228_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180401T113228_20180401T122206_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_220180401T122206_20180401T131142_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_220180401T131142_20180401T140119_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_220180401T140119_20180401T145056_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_20180401T145056_20180401T154033_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_20180401T154033_20180401T163009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T163009_20180401T171946_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_20180401T171946_20180401T180923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T180923_20180401T185900_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T185900_20180401T194836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T194836_20180401T203813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T203813_20180401T212750_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_20180401T212750_20180401T221727_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_20180401T221727_20180401T230703_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_20180401T230703_20180401T235641_C002	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_220180401T235641_20180402T004617_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180331T235754_20180401T004731_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_20180401T004731_20180401T013707_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_20180401T013707_20180401T022644_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_20180401T022644_20180401T031621_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_20180401T031621_20180401T040558_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_20180401T040558_20180401T045534_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_20180401T045534_20180401T054511_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_20180401T054511_20180401T063448_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_220180401T063448_20180401T072425_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_20180401T072425_20180401T081401_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_20180401T081401_20180401T090338_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_20180401T090338_20180401T095315_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_20180401T095315_20180401T104252_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_20180401T104252_20180401T113228_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_20180401T113228_20180401T122206_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_20180401T122206_20180401T131142_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_20180401T131142_20180401T140119_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_20180401T140119_20180401T145056_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_20180401T145056_20180401T154033_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_20180401T154033_20180401T163009_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_20180401T163009_20180401T171946_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_220180401T171946_20180401T180923_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_220180401T180923_20180401T185900_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_20180401T185900_20180401T194836_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_20180401T194836_20180401T203813_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_20180401T203813_20180401T212750_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_220180401T212750_20180401T221727_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_220180401T221727_20180401T230703_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_220180401T230703_20180401T235641_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_20180401T235641_20180402T004617_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. Number of products with errors: 28

CS_OFFL_SIR_GOP20190311723754_201904011004731_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or nore records. CS_OFFL_SIR_GOP20190401103707_0190401102544_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP20190401103707_0190401102544_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20190401103524_201904011045532_0011 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201904011045534_011045534_00011 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201904011045534_20190401105434_00011 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20190401105431_20190401107242_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20190401109335_20190401100335_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20190401100335_20190401100335_0010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS	Product	Test Failed	Description
C8_OFFL_SIR_GOP_2_20180401T013707_20180401T022644_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T022644_20180401T031621_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T025641_20180401T04553_4C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T04554_20180401T04554_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T04554_20180401T07425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T04541_20180401T07425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T04541_20180401T07425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T06353_20180401T04252_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T104352_20180401T104352_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. C8_OFFL_SIR_GOP_2_20180401T104352_20	CS_OFFL_SIR_GOP_220180331T235754_20180401T004731_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201804017022844_2018040171031621_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017040558_201804017040558_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017040553_201804017045534_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017054511_20180401705454_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401705454_20180401702425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401702425_201804017090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_2018040171090338_2018040171090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017109233_201804017104252_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017164252_201804017114220_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804017	CS_OFFL_SIR_GOP_2_20180401T004731_20180401T013707_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
C8_OFFL_SIR_GOP_2_201804011031621_2018040111040558_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011040553_0180401104553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_20180401104553_01804011054511_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011054511_20184011072425_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011072425_201804011072425_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011072425_201804011072435_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_20180401108331_20180401110252_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011142220_20180401113142_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011140252_0184041113142_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011140192_01804011140583_0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.C5_OFFL_SIR_GOP_2_201804011140593_001404011140593_0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has b	CS_OFFL_SIR_GOP_220180401T013707_20180401T022644_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401704558_20180401704554_2001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag <th< td=""><td>CS_OFFL_SIR_GOP_2_20180401T022644_20180401T031621_C001</td><td>Ocean Retracking Quality Flag</td><td>The Ocean Retracking Quality Flag has been set for one or more records.</td></th<>	CS_OFFL_SIR_GOP_2_20180401T022644_20180401T031621_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T045534_20180401T054511_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_GOP_2_20180401T054541_20180401T072425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Fla	CS_OFFL_SIR_GOP_2_20180401T031621_20180401T040558_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_0180401T064511_20180401T083448_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_GOP_2_0180401T072425_20180401T072425_20180401T072425_20180401T072425_20180401T072425_20180401T072425_20180401T081401_2001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T081401_20180401T080338_20101Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T080338_20180401T18022_001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T104252_20180401T104252_20180401T104252_20180401T114228_20180401T14112206Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T11122206_20180401T131142_20181Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T13142_20184041T140156_001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T140192_0180401T140039_0010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180401T17148_0180401T18092_001Ocean Retrac	CS_OFFL_SIR_GOP_220180401T040558_20180401T045534_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201804011063448_201804011072425_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011072425_201804011081401_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011081401_20180401109338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401109338_201804011095315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011095315_C0101 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011104252_C0101 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_2018040111142226_2018040111131142_C0101 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_2018040111141112201804011145016_C011 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_2018040111141112201804011145056_C010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_2018040111163009_201804011145050_C001	CS_OFFL_SIR_GOP_220180401T045534_20180401T054511_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201804011072425_201804011081401_C001 Ccean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011091303_201804011090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011090338_201804011090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011104252_201804011104252_20101 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011104252_201804011113228_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011131142_201804011131142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011131142_201804011140119_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011140119_201804011140119_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201804011140032_01804011140303_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401	CS_OFFL_SIR_GOP_2_20180401T054511_20180401T063448_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T081401_20180401T090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T090338_20180401T090338_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T095315_20180401T104252_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T104252_20180401T131228_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T122206_20180401T131142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T140119_20180401T14019_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T140119_20180401T140195_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T154033_20180401T154033_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T171946_20180401T163009_20180401T163009_20180401T163009_20180401T163009_20180401T163009_20180401T163009_20180401T163009_20180401T171946_20180401T163009_20180401T163009_20180401T16300	CS_OFFL_SIR_GOP_220180401T063448_20180401T072425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T090338_20180401T095315_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T104552_20180401T104252_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T104252_20180401T113218_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T131142_C002Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T131142_20180401T14019_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T14019_20180401T145056_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T145056_20180401T145033_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T154033_20180401T163009_2010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T171946_20180401T169023_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T1194923_20180401T18900_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T194623_20180401T18903_20180_0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been	CS_OFFL_SIR_GOP_2_20180401T072425_20180401T081401_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T095315_20180401T104252_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T104252_20180401T113228_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T122206_20180401T131142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T131142_20180401T140119_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T140119_C0180401T140056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T140033_20180401T145036_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T163039_20180401T163009_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T171946_20180401T163009_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T171946_20180401T16923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180401T	CS_OFFL_SIR_GOP_220180401T081401_20180401T090338_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180401T104252_20180401T113228_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T122206_20180401T131142_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T131142_20180401T140119_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T140119_20180401T145056_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T145056_20180401T154033_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T164033_20180401T164039_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T171946_20180401T180923_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T180903_20180401T180923_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180401T180923_20180401T21727_001Ocean Retracking	CS_OFFL_SIR_GOP_2_20180401T090338_20180401T095315_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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