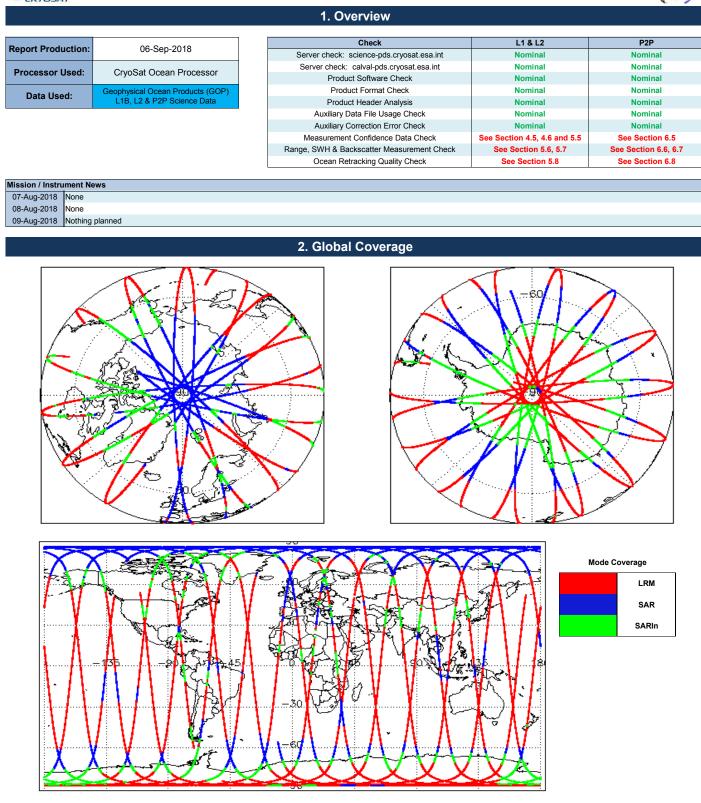


IDEAS+ Daily Report for GOP data:

08/08/2018





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-de	Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.			
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record. T	The bit value of this flag indicates any proble	ms when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurement	nt record. The bit value of this flag indicates a	any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR product	ts due to a configuration issue. This is being	investigated and will be updated in the next SW update.		
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20180808T180956_20180808T181405_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.				
Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.				
Number of products with errors: 19				
Product	Test Failed	Description		

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180808T013410_20180808T014854_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180808T041013_20180808T041925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180808T092540_20180808T093554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180808T122158_20180808T125759_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T030041_20180808T030205_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T030404_20180808T030619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T040725_20180808T041013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T162333_20180808T162418_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T162436_20180808T162551_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T175831_20180808T175853_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T185435_20180808T185721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T211603_20180808T211651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180808T212638_20180808T212810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T080827_20180808T080901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T084639_20180808T084914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T095802_20180808T100121_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T151818_20180808T152210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T152248_20180808T152300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180808T224826_20180808T225317_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: 0

5.2 L2 Product Header Analysis			
For all products, a series of pre-defined checks are performed on the MPH and SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.	
Number of products with errors: 0			
5.3 L2 Auxiliary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-det	ermined baseline and also to check the va	lidity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
5.4 L2 Auxiliary Correction Error Check			
For all products, the auxiliary corrections within the Geophysical Group are checke	d for the default error value (32767).		
Number of products with errors: 0			
5.5 L2 Measurement Confidence Data Check			
CryoSat L2 data includes a measurement confidence flag for each 20-Hz measure	ment record. The bit value of this flag indic	ates any problems when set.	
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_GOPM_2_20180808T180956_20180808T181405_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 83

Number of products with errors:

Product **Test Failed** Description The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180807T235554_20180808T003058_C001 Ocean Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T003419 20180808T003915 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM_2_20180808T003936_20180808T004300_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T005015_20180808T012152_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status CS OFFL SIR GOPM 2 20180808T012352 20180808T012602 C001 records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T013410 20180808T014854 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T015335 20180808T021029 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T021301 20180808T021813 C001 Ice Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T021849_20180808T022023_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T022814_20180808T024153_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T024407 20180808T030041 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T032335_20180808T033355_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T033535_20180808T034915_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T035223_20180808T035724_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T035731_20180808T035742_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T040559_20180808T040725_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T041013 20180808T041925 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T042254 20180808T042745 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T050633_20180808T052727_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T053257 20180808T053640 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T054406 20180808T060834 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T064322_20180808T070712_C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T071039 20180808T071554 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T072319_20180808T073356_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T073934 20180808T075608 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T080901_20180808T081607_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T081640_20180808T083300_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T083302_20180808T083751_C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T084229_20180808T084639_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T085039_20180808T085629_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T090419 20180808T092528 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T092540_20180808T093554_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T094748 20180808T095005 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T101122_20180808T102429_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T103009_20180808T103520_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T104225_20180808T110332_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T110617 20180808T111751 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T112709_20180808T112939_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T114613_20180808T120427_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T121158_20180808T121422_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T122158_20180808T125759_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T130937 20180808T132920 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T132933_20180808T134218_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T135517_20180808T135833_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180808T140059 20180808T141554 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T141757_20180808T142749_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180808T144958_20180808T150634_C001 Ocean Range Averaging Status records

CS_OFTL_SR_COFW_2_2010000T15020_2010000T15020_0001 Lee Rarge Averaging Status The Lee Rarge Averaging Status The Source Rarge Averaging Status CS_OFTL_SR_COFW_2_2010000T15020_2010000T15020_0001 Coese Rarge Averaging Status The Source Rarge Averaging Status The Source Rarge Averaging Status CS_OFTL_SR_COFW_2_2010000T15020_0010000T15020_0001 Coese Rarge Averaging Status The Source Rarge Averaging Status The Source Rarge Averaging Status CS_OFTL_SR_COFW_2_2010000T15020_0010000T15020_0001 Coese Rarge Averaging Status The Source Rarge Averaging Status The Source Rarge Averaging Status CS_OFTL_SR_COFW_2_2010000T15020_0010000T16010_0001 Coese Rarge Averaging Status The Source Rarge Averaging Status The Source Rarge Averaging Status CS_OFTL_SR_COFW_2_2010000T15020_0010000T16020_0010000T16020_0001 Coese Rarge Averaging Status The Source Rarge Averaging Status The Coese Rarge Averaging Status The C	CS_OFFL_SIR_GOPM_2_20180808T152300_20180808T152351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFTL_SR_QOFW_2_20100007115331_0001 be Raige Aversing Status The Los Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007115520_20100007115520_0010 Octon Raige Aversing Status The Octon Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007115520_20100007115500_0010 Octon Raige Aversing Status The Octon Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007115000_20100007116500_00100 Octon Raige Aversing Status The Octon Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007116000_20100007116000_0010000 Octon Raige Aversing Status The Octon Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007116000_20100007116000_00100000 Octon Raige Aversing Status The Ocen Raige Aversing Status Fig has been set for one or more recods. CS_OFTL_SR_QOFW_2_20100007116000_20100007116000_000007116000_0000000000000	CS_OFFL_SIR_GOPM_2_20180808T153002_20180808T153250_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
GS_OFFL_SIR_COM_2_20100001154002_00100000115570_001 Ocean Range Averaging State The Ocean Range Averaging State GS_OFFL_SIR_COM_2_201000001161020_0010000116570_001 Ocean Range Averaging State The Ocean Range Averaging State GS_OFFL_SIR_COM_2_201000001116172_001 Ocean Range Averaging State The Ocean Range Averaging State GS_OFFL_SIR_COM_2_201000001116172_001 Ocean Range Averaging State The Ocean Range Averaging States Flag has been set for one or more records. GS_OFFL_SIR_COM_2_201000001116172001_201000001116101_001 Ocean Range Averaging States The Ocean Range Averaging States Flag has been set for one or more records. GS_OFFL_SIR_COM_2_2010000011161000_201000001116100_001 Ocean Range Averaging States The Ocean Range Averaging States Flag has been set for one or more records. GS_OFFL_SIR_COM_2_201000001116500_201000001116510_001 Ocean Range Averaging States The Ocean Range Averaging States GS_OFFL_SIR_COM_2_201000001116502_00100001116510_001 Ocean Range Averaging States The Ocean Range Averaging States GS_OFFL_SIR_COM_2_201000001116522_010000011192716_001 Ocean Range Averaging States The Ocean Range Averaging States GS_OFFL_SIR_COM_2_201000001116522_01000001192716_001 Ocean Range Averaging States The Ocean Range Averaging States GS_OFFL_SIR_COM_2_2010000001190716_002_01000001192716_001	CS_OFFL_SIR_GOPM_2_20180808T153304_20180808T153734_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Co., CFFL_SRL_GOM_2_2010808113200_2010008119310_2010 Cost Range Averaging Status Fig. Cost., 2, 20108081119002_2010808119310_2010 Cost Range Averaging Status Fig. Cost., 2, 20108081119002_2010808117411_2001 Cost Range Averaging Status Fig. Cost., 2, 20108081170102_201080801174101_2001 Cost Range Averaging Status Fig. Cost., 2, 20108080117001_20108008117411_2001 Cost Range Averaging Status Fig. Cost., 2, 20108080117301_20108008117411_2001 Cost Range Averaging Status Fig. Cost., 2, 20108081118010_20108081118010_201808081193018_ Cost Range Averaging Status Fig. Cost., 2, 20108081118010_201808081193018_ Cost Range Averaging Status Fig. Cost., 2, 20108081118010_201808081193018_ Cost Range Averaging Status Fig. Cost., 2, 20108081118010_201808801193018_ Cost Range Averaging Status Fig. Cost., 2, 20108081118010_2018088119318_ Cost Range Averaging Status Fig. Cost., 2, 20108081118010_20180888119318_ Cost Range Averaging Status Fig. Cost., 2, 20180881118010_20180888119318_ Cost Range Averaging Status Fig. Cost., 2, 20180881119312_ Cost Range Averaging Status Fig. Cost., 2, 2018088112112_ Cost Range Averagi	CS_OFFL_SIR_GOPM_2_20180808T154026_20180808T155421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
GS_OFFL_SIR_COPM_2_2019080811162100_01008081116312_0001 Ocean Range Averaging Status The	CS_OFFL_SIR_GOPM_2_20180808T155600_20180808T155700_C001	Ocean Range Averaging Status	
Cal DFH _ SR_COFM _ 2018080117132_01108081171432_C001 Dean Range Averaging Status Field Range Averaging	CS_OFFL_SIR_GOPM_2_20180808T162906_20180808T163126_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2.2018006117003_010000117401_0000 Lob Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001150016_0100000117418_0001 Ocean Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001150016_0100000117418_0001 Ocean Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001150016_0100000116454_0001 Lob Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001150016_0100000110254_0001 Ocean Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001150016_0010000110254_0001 Ocean Range Averaging Status The Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.201800011200_0100000120216_0001 Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.201800012002012000_01000001204256_0001 Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.201800012020220100001202456_0001 Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180000122031_00001120456_0001 Ocean Range Averaging Status File has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180000122031_00000120456_0001 Ocean Range Averaging Status File h	CS_OFFL_SIR_GOPM_2_20180808T164123_20180808T170413_C001	Ocean Range Averaging Status	
Call Clean FLage Averaging Status records. CS_OFFL_SIR_GOPM_2.20180001161604_20180000116433_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001163454_20180000116433_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000116352_20180000116434_C001 Loe Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000116352_201800001164252_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000116510_201800801162524_C001 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000112010_20180080120162_0002 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000120288_2018008120162_0101 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000120288_20180008122145_C001 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180001212810_20180008122145_C001 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.2018000122181_2010008122145_C001 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2.20180008122145_C001 Ocean Range Averaging Status Flag h	CS_OFFL_SIR_GOPM_2_20180808T170803_20180808T171637_C001	Ice Range Averaging Status	
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	CS_OFFL_SIR_GOPR_2_20180808T161724_20180808T162332_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPR_2_20180808T202116_20180808T202539_C001	Ocean Range Averaging Status	

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.

Number of products with errors: 83

Product	Test Failed	Description
	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_20180808T003419_20180808T003915_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180808T003936_20180808T004300_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
	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_20180808T012352_20180808T012602_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	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_20180808T021301_20180808T021813_C001 CS OFFL SIR GOPM 2 20180808T021849 20180808T022023 C001 CS_OFFL_SIR_GOPM_2_20180808T022814_20180808T024153_C001 CS_OFFL_SIR_GOPM_2_20180808T024407_20180808T030041_C001 CS_OFFL_SIR_GOPM_2_20180808T032335_20180808T033355_C001 CS_OFFL_SIR_GOPM_2_20180808T033535_20180808T034915_C001 CS OFFL SIR GOPM 2 20180808T035223 20180808T035724 C001 CS OFFL SIR GOPM 2 20180808T035731 20180808T035742 C001 CS_OFFL_SIR_GOPM_2_20180808T040559_20180808T040725_C001 CS_OFFL_SIR_GOPM_2_20180808T041013_20180808T041925_C001 CS OFFL SIR GOPM 2 20180808T042254 20180808T042745 C001 CS_OFFL_SIR_GOPM_2_20180808T050633_20180808T052727_C001 CS OFFL SIR GOPM 2 20180808T053257 20180808T053640 C001 CS_OFFL_SIR_GOPM_2_20180808T054406_20180808T060834_C001 CS_OFFL_SIR_GOPM_2_20180808T064322_20180808T070712_C001 CS OFFL SIR GOPM 2 20180808T071039 20180808T071554 C001 CS_OFFL_SIR_GOPM_2_20180808T072319_20180808T073356_C001 CS_OFFL_SIR_GOPM_2_20180808T073934_20180808T075608_C001 CS_OFFL_SIR_GOPM_2_20180808T080901_20180808T081607_C001 CS_OFFL_SIR_GOPM_2_20180808T081640_20180808T083300_C001 CS_OFFL_SIR_GOPM_2_20180808T083302_20180808T083751_C001 CS OFFL SIR GOPM 2 20180808T084229 20180808T084639 C001 CS_OFFL_SIR_GOPM_2_20180808T085039_20180808T085629_C001 CS OFFL SIR GOPM 2 20180808T090419 20180808T092528 C001 CS OFFL SIR GOPM 2 20180808T092540 20180808T093554 C001 CS OFFL SIR GOPM 2 20180808T094748 20180808T095005 C001 CS_OFFL_SIR_GOPM_2_20180808T101122_20180808T102429_C001 CS_OFFL_SIR_GOPM_2_20180808T103009_20180808T103520_C001 CS_OFFL_SIR_GOPM_2_20180808T104225_20180808T110332_C001 CS OFFL SIR GOPM 2 20180808T110617 20180808T111751 C001 CS_OFFL_SIR_GOPM_2_20180808T112709_20180808T112939_C001 CS_OFFL_SIR_GOPM_2_20180808T114613_20180808T120427_C001 CS OFFL SIR GOPM 2 20180808T121158 20180808T121422 C001 CS_OFFL_SIR_GOPM_2_20180808T122158_20180808T125759_C001 CS_OFFL_SIR_GOPM_2_20180808T130937_20180808T132920_C001 CS OFFL SIR GOPM 2 20180808T132933 20180808T134218 C001 CS_OFFL_SIR_GOPM_2_20180808T140059_20180808T141554_C001 CS OFFL SIR GOPM 2 20180808T141757 20180808T142749 C001 CS OFFL SIR GOPM 2 20180808T144524 20180808T144720 C001 CS_OFFL_SIR_GOPM_2_20180808T144958_20180808T150634_C001 CS_OFFL_SIR_GOPM_2_20180808T152300_20180808T152351_C001 CS OFFL SIR GOPM 2 20180808T153002 20180808T153250 C001 CS_OFFL_SIR_GOPM_2_20180808T153304_20180808T153734_C001 CS OFFL SIR GOPM 2 20180808T154026 20180808T155421 C001 CS_OFFL_SIR_GOPM_2_20180808T155600_20180808T155700_C001 CS_OFFL_SIR_GOPM_2_20180808T162906_20180808T163126_C001 CS OFFL SIR GOPM 2 20180808T164123 20180808T170413 C001 CS_OFFL_SIR_GOPM_2_20180808T170803_20180808T171637_C001 CS_OFFL_SIR_GOPM_2_20180808T172001_20180808T174418_C001 CS OFFL SIR GOPM 2 20180808T181604 20180808T183016 C001 CS_OFFL_SIR_GOPM_2_20180808T183245_20180808T184335_C001 Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status 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

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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The Ice Backscatter Averaging Status Flag has been set for one or more records.

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

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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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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

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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.

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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 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 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 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.

The Ice Backscatter Averaging Status Flag has 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 records.

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

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

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

CS_OFFL_SIR_GOPM_2_20180808T185016_20180808T185434_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180808T185928_20180808T192524_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_20180808T193050_20180808T193718_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_20180808T195104_20180808T200628_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_20180808T201200_20180808T202116_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_20180808T202928_20180808T203514_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180808T203836_20180808T204256_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_20180808T212810_20180808T220117_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_20180808T220833_20180808T221345_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180808T221923_20180808T223454_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_20180808T225317_20180808T225458_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_20180808T230514_20180808T233527_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_20180808T233538_20180808T234018_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_20180808T234644_20180808T234832_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180808T234839_20180808T235252_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180808T040725_20180808T041013_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_20180808T134859_20180808T135133_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180808T153251_20180808T153304_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180808T185435_20180808T185721_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_20180808T085944_20180808T090418_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_20180808T093934_20180808T094611_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_20180808T103823_20180808T104225_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_20180808T130406_20180808T130520_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_20180808T161724_20180808T162332_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_20180808T202116_20180808T202539_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
5 % 1 2 Occan Batracking Quality Chack		
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. 58

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:

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

1

0

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180808T180105_20180808T185045_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

Number of products with errors:

cts with errors:	30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180807T234936_20180808T003915_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_220180808T003915_20180808T012849_C001	Ocean Range Averaging Status Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180808T012849_20180808T021829_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_220180808T021829_20180808T030803_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_220180808T030803_20180808T035742_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_220180808T035742_20180808T044716_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T044716_20180808T053656_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_220180808T053656_20180808T062630_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_220180808T062630_20180808T071610_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_220180808T071610_20180808T080543_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_220180808T080543_20180808T085523_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_220180808T085523_20180808T094457_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_220180808T094457_20180808T103437_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_220180808T103437_20180808T112411_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T112411_20180808T121350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T121350_20180808T130324_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T130324_20180808T135304_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T135304_20180808T144238_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_220180808T144238_20180808T153217_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T153217_20180808T162151_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_220180808T162151_20180808T171131_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_220180808T171131_20180808T180105_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_20180808T180105_20180808T185045_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T185045_20180808T194019_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180808T194019_20180808T202958_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_220180808T202958_20180808T211932_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_220180808T211932_20180808T220912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T220912_20180808T225846_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_220180808T225846_20180808T234825_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_220180808T234825_20180809T003759_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.

Number of products with errors: 30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180807T234936_20180808T003915_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_220180808T003915_20180808T012849_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_220180808T012849_20180808T021829_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_220180808T021829_20180808T030803_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_220180808T030803_20180808T035742_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_220180808T035742_20180808T044716_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_220180808T044716_20180808T053656_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	
CS_OFFL_SIR_GOP_220180808T053656_20180808T062630_C001	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_220180808T062630_20180808T071610_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_20180808T071610_20180808T080543_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_20180808T080543_20180808T085523_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_20180808T085523_20180808T094457_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_220180808T094457_20180808T103437_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_20180808T103437_20180808T112411_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_220180808T112411_20180808T121350_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_20180808T121350_20180808T130324_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_220180808T130324_20180808T135304_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_20180808T135304_20180808T144238_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_220180808T144238_20180808T153217_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_20180808T153217_20180808T162151_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_20180808T162151_20180808T171131_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_20180808T171131_20180808T180105_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_20180808T180105_20180808T185045_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_20180808T185045_20180808T194019_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_20180808T194019_20180808T202958_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_20180808T202958_20180808T211932_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_20180808T211932_20180808T220912_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_20180808T220912_20180808T225846_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_20180808T225846_20180808T234825_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_20180808T234825_20180809T003759_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: 26

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180807T234936_20180808T003915_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T003915_20180808T012849_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T012849_20180808T021829_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T021829_20180808T030803_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T030803_20180808T035742_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T035742_20180808T044716_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T062630_20180808T071610_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T071610_20180808T080543_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T080543_20180808T085523_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T085523_20180808T094457_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T094457_20180808T103437_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T103437_20180808T112411_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180808T112411_20180808T121350_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

 CS_OFFL_SIR_GOP_2_20180808T121350_20180808T130324_C001

 CS_OFFL_SIR_GOP_2_20180808T130324_20180808T135304_C001

 CS_OFFL_SIR_GOP_2_20180808T130324_20180808T144238_C001

 CS_OFFL_SIR_GOP_2_20180808T135304_20180808T144238_C001

 CS_OFFL_SIR_GOP_2_20180808T144238_20180808T144238_C001

 CS_OFFL_SIR_GOP_2_20180808T144238_20180808T153217_C001

 CS_OFFL_SIR_GOP_2_20180808T153217_20180808T162151_C001

 CS_OFFL_SIR_GOP_2_20180808T162151_20180808T162151_C001

 CS_OFFL_SIR_GOP_2_20180808T162151_20180808T180105_C001

 CS_OFFL_SIR_GOP_2_20180808T180105_20180808T185045_C001

 CS_OFFL_SIR_GOP_2_20180808T185045_20180808T194019_C001

 CS_OFFL_SIR_GOP_2_20180808T194019_20180808T202958_C001

 CS_OFFL_SIR_GOP_2_20180808T202958_20180808T211932_C001

 CS_OFFL_SIR_GOP_2_20180808T211932_20180808T220912_C001

 CS_OFFL_SIR_GOP_2_20180808T21932_20180808T234825_C001

Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records.