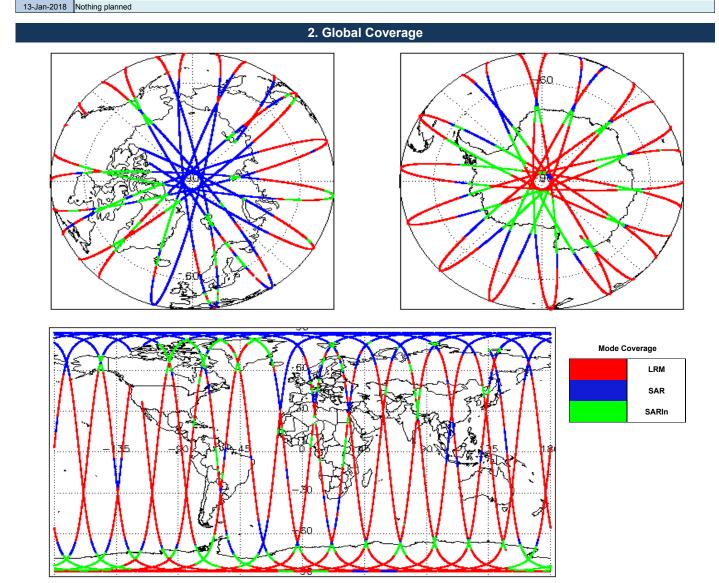


IDEAS+ Daily Report for GOP data:

<u>12/01/2018</u>

		Check	L1 & L2	P2P
Report Production: 12-Feb-2018	Server check: science-pds.cryosat.esa.int	Nominal	Nominal	
	Crucest Ocean Pressen	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
rocessor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
L1B, L2 & P2P Science Data		Product Header Analysis	See Section 5.2	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News 11-Jan-2018 None 12-Jan-2018 None



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-	determined baseline and also to c	heck 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	. The bit value of this flag indicates	s any problems 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 measurem	ent record. The bit value of this flag	g indicates any problems when set.
	-	
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180112T105029_20180112T112243_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	-	any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	
Number of products with errors: 14		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180112T014133_20180112T015622_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180112T071625_20180112T071712_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180112T072955_20180112T080450_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180112T040456_20180112T040941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180112T071802_20180112T071859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180112T103418_20180112T103828_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180112T121631_20180112T121731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180112T135425_20180112T135636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T053531_20180112T054526_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T070517_20180112T070655_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T071900_20180112T072649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T113417_20180112T114038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T134919_20180112T135049_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180112T202605_20180112T203632_C001	Loss of Echo	The tracking echo is missing for one or more records
5. GC	P Level 2 Data Qua	lity Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	nsure it consists of both an XML he	eader file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L2 Product Header Analysis		
	CDI Lin ander to identify any incom	side size and/as arrays raised by the array of expression shair
For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors:	SPH in order to identify any incons	sistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 1		
Product	Test Failed	
CS_OFFL_SIR_GOPR_2_20180112T072825_20180112T072836_C001	Percentage of proces	ssing errors detected greater than minimum acceptable threshold.
5.3 L2 Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to c	heck the validity 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 che	cked for the default error value (32	
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 meas	urement record. The bit value of th	his flag indicates any problems when set.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180112T105029_20180112T112243_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		
	ask management record. The bit u	alue of this flow indicates any problems when set

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.

77

Product

CS_OFFL_SIR_GOPM_2_20180112T000202_20180112T001847_C001

CS OFFL SIR GOPM 2 20180112T001905 20180112T003113 C001

CS_OFFL_SIR_GOPM_2_20180112T005251_20180112T010837_C001

CS_OFFL_SIR_GOPM_2_20180112T011731_20180112T012621_C001 CS OFFL SIR GOPM 2 20180112T013514 20180112T013939 C001 CS_OFFL_SIR_GOPM_2_20180112T014133_20180112T015622_C001 CS_OFFL_SIR_GOPM_2_20180112T015802_20180112T020256_C001 CS OFFL SIR GOPM 2 20180112T023452 20180112T024202 C001 CS OFFL SIR GOPM 2 20180112T024325 20180112T030727 C001 CS_OFFL_SIR_GOPM_2_20180112T032106_20180112T034451_C001 CS OFFL SIR GOPM 2 20180112T041201 20180112T044607 C001 CS_OFFL_SIR_GOPM_2_20180112T044930_20180112T045111_C001 CS OFFL SIR GOPM 2 20180112T045217 20180112T045643 C001 CS_OFFL_SIR_GOPM_2_20180112T045933_20180112T052520_C001 CS_OFFL_SIR_GOPM_2_20180112T055350_20180112T060832_C001 CS OFFL SIR GOPM 2 20180112T061408 20180112T062500 C001 CS_OFFL_SIR_GOPM_2_20180112T063132_20180112T063721_C001 CS_OFFL_SIR_GOPM_2_20180112T063859_20180112T065420_C001 CS OFFL SIR GOPM 2 20180112T072955 20180112T080450 C001 CS OFFL SIR GOPM 2 20180112T081038 20180112T081552 C001 CS OFFL SIR GOPM 2 20180112T081749 20180112T082036 C001 CS OFFL SIR GOPM 2 20180112T082236 20180112T082608 C001 CS_OFFL_SIR_GOPM_2_20180112T082702_20180112T083418_C001 CS_OFFL_SIR_GOPM_2_20180112T085305_20180112T085539_C001 CS_OFFL_SIR_GOPM_2_20180112T090943_20180112T091840_C001 CS_OFFL_SIR_GOPM_2_20180112T092126_20180112T094325_C001 CS OFFL SIR GOPM 2 20180112T094911 20180112T095038 C001 CS_OFFL_SIR_GOPM_2_20180112T095045_20180112T095454_C001 CS_OFFL_SIR_GOPM_2_20180112T095701_20180112T101000_C001 CS OFFL SIR GOPM 2 20180112T101148 20180112T101904 C001 CS_OFFL_SIR_GOPM_2_20180112T102000_20180112T102405_C001 CS_OFFL_SIR_GOPM_2_20180112T103109_20180112T103149_C001 CS OFFL SIR GOPM 2 20180112T103149 20180112T103243 C001 CS_OFFL_SIR_GOPM_2_20180112T105029_20180112T112243_C001 CS OFFL SIR GOPM 2 20180112T112408 20180112T112936 C001 CS OFFL SIR GOPM 2 20180112T114039 20180112T115307 C001 CS_OFFL_SIR_GOPM_2_20180112T115333_20180112T121053_C001 CS_OFFL_SIR_GOPM_2_20180112T123220_20180112T124400_C001 CS OFFL SIR GOPM 2 20180112T124603 20180112T130144 C001 CS_OFFL_SIR_GOPM_2_20180112T130336_20180112T130833_C001 CS OFFL SIR GOPM 2 20180112T130841 20180112T130848 C001 CS OFFL SIR GOPM 2 20180112T130913 20180112T131034 C001 CS_OFFL_SIR_GOPM_2_20180112T131741_20180112T132545_C001 CS OFFL SIR GOPM 2 20180112T133433 20180112T134545 C001 CS_OFFL_SIR_GOPM_2_20180112T142527_20180112T144033_C001 CS_OFFL_SIR_GOPM_2_20180112T144256_20180112T144746_C001 CS OFFL SIR GOPM 2 20180112T145409 20180112T152820 C001 CS_OFFL_SIR_GOPM_2_20180112T155549_20180112T161703_C001 CS OFFL SIR GOPM 2 20180112T161711 20180112T162035 C001 Test Failed Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status

Description The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records

CS DEEL SID CODM 2 201801127162220 201801127162701 C001	Lee Pange Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180112T162329_20180112T162701_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180112T162724_20180112T163050_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180112T163316_20180112T170228_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T173137_20180112T175935_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T180117_20180112T180615_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T181346_20180112T182426_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T183001_20180112T184747_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T193625_20180112T193912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T194115_20180112T194646_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T195244_20180112T202605_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T203945_20180112T204101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T205907_20180112T211828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T212034_20180112T212542_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T213129_20180112T220520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T223018_20180112T223456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T223535_20180112T225315_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T231136_20180112T232904_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T233345_20180112T234039_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180112T022543_20180112T022752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180112T113229_20180112T113416_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180112T121345_20180112T121435_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180112T135425_20180112T135636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T021941_20180112T022048_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T103341_20180112T103418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T124400_20180112T124603_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T131658_20180112T131741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T162035_20180112T162056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180112T211828_20180112T211917_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. 77

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180112T000202_20180112T001847_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_20180112T001905_20180112T003113_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_20180112T005251_20180112T010837_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_20180112T011731_20180112T012621_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_20180112T013219_20180112T013449_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T013514_20180112T013939_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T014133_20180112T015622_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_20180112T015802_20180112T020256_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_20180112T023452_20180112T024202_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_20180112T024325_20180112T030727_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_20180112T032106_20180112T034451_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_20180112T041201_20180112T044607_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_20180112T044930_20180112T045111_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T045217_20180112T045643_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180112T045933_20180112T052520_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_20180112T055350_20180112T060832_C001 CS OFFL SIR GOPM 2 20180112T061408 20180112T062500 C001 CS_OFFL_SIR_GOPM_2_20180112T063132_20180112T063721_C001 CS_OFFL_SIR_GOPM_2_20180112T063859_20180112T065420_C001 CS_OFFL_SIR_GOPM_2_20180112T072955_20180112T080450_C001 CS_OFFL_SIR_GOPM_2_20180112T081038_20180112T081552_C001 CS OFFL SIR GOPM 2 20180112T081749 20180112T082036 C001 CS OFFL SIR GOPM 2 20180112T082236 20180112T082608 C001 CS_OFFL_SIR_GOPM_2_20180112T085305_20180112T085539_C001 CS_OFFL_SIR_GOPM_2_20180112T090943_20180112T091840_C001 CS_OFFL_SIR_GOPM_2_20180112T092126_20180112T094325_C001 CS_OFFL_SIR_GOPM_2_20180112T094911_20180112T095038_C001 CS OFFL SIR GOPM 2 20180112T095045 20180112T095454 C001 CS_OFFL_SIR_GOPM_2_20180112T095701_20180112T101000_C001 CS_OFFL_SIR_GOPM_2_20180112T101148_20180112T101904_C001 CS OFFL SIR GOPM 2 20180112T102000 20180112T102405 C001 CS_OFFL_SIR_GOPM_2_20180112T103109_20180112T103149_C001 CS_OFFL_SIR_GOPM_2_20180112T103149_20180112T103243_C001 CS_OFFL_SIR_GOPM_2_20180112T105029_20180112T112243_C001 CS_OFFL_SIR_GOPM_2_20180112T112408_20180112T112936_C001 CS_OFFL_SIR_GOPM_2_20180112T114039_20180112T115307_C001 CS OFFL SIR GOPM 2 20180112T115333 20180112T121053 C001 CS_OFFL_SIR_GOPM_2_20180112T123220_20180112T124400_C001 CS OFFL SIR GOPM 2 20180112T124603 20180112T130144 C001 CS OFFL SIR GOPM 2 20180112T130336 20180112T130833 C001 CS OFFL SIR GOPM 2 20180112T130841 20180112T130848 C001 CS_OFFL_SIR_GOPM_2_20180112T131741_20180112T132545_C001 CS_OFFL_SIR_GOPM_2_20180112T133433_20180112T134545_C001 CS_OFFL_SIR_GOPM_2_20180112T142527_20180112T144033_C001 CS OFFL SIR GOPM 2 20180112T144256 20180112T144746 C001 CS_OFFL_SIR_GOPM_2_20180112T145409_20180112T152820_C001 CS_OFFL_SIR_GOPM_2_20180112T155549_20180112T161703_C001 CS OFFL SIR GOPM 2 20180112T161711 20180112T162035 C001 CS_OFFL_SIR_GOPM_2_20180112T162329_20180112T162701_C001 CS_OFFL_SIR_GOPM_2_20180112T162724_20180112T163050_C001 CS OFFL SIR GOPM 2 20180112T163316 20180112T170228 C001 CS_OFFL_SIR_GOPM_2_20180112T173137_20180112T175935_C001 CS OFFL SIR GOPM 2 20180112T180117 20180112T180615 C001 CS OFFL SIR GOPM 2 20180112T181346 20180112T182426 C001 CS_OFFL_SIR_GOPM_2_20180112T183001_20180112T184747_C001 CS_OFFL_SIR_GOPM_2_20180112T190019_20180112T190112_C001 CS OFFL SIR GOPM 2 20180112T193625 20180112T193912 C001 CS_OFFL_SIR_GOPM_2_20180112T194115_20180112T194646_C001 CS_OFFL_SIR_GOPM_2_20180112T195244_20180112T202605_C001 CS_OFFL_SIR_GOPM_2_20180112T203945_20180112T204101_C001 CS_OFFL_SIR_GOPM_2_20180112T205907_20180112T211828_C001 CS OFFL SIR GOPM 2 20180112T212034 20180112T212542 C001 CS_OFFL_SIR_GOPM_2_20180112T213129_20180112T220520_C001 CS_OFFL_SIR_GOPM_2_20180112T223018_20180112T223456_C001 CS OFFL SIR GOPM 2 20180112T223535 20180112T225315 C001 CS_OFFL_SIR_GOPM_2_20180112T231136_20180112T232904_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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 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

Ice 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

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

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 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 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 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 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 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 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 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 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 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.

CS_OFFL_SIR_GOPM_2_20180112T233345_20180112T234039_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_20180112T022543_20180112T022752_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_20180112T113229_20180112T113416_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_20180112T121345_20180112T121435_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180112T135425_20180112T135636_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_20180112T021941_20180112T022048_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_20180112T103341_20180112T103418_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_20180112T124400_20180112T124603_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_20180112T131658_20180112T131741_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_20180112T162035_20180112T162056_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_20180112T211828_20180112T211917_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		
olo La Ocean Rendering guanty offect		

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: 57

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

6.1 P2P Product Format Check			
Each product, retrieved and unpacked from	n 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 Ana	lysis		
For all products, a series of pre-defined ch	ecks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors:	0		
6.3 P2P Auxiliary Data File U	sage 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

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: 1			
Product	Test Failed	Description	
Product CS OFFL SIR GOP 2 20180112T104003 20180112T112942 C001		Description There is an error in the scaling of the L2 waveform for one or more records	

6.6 P2P Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 27

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180111T235507_20180112T004441_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_220180112T004441_20180112T013421_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_20180112T013421_20180112T022355_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_20180112T022355_20180112T031334_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_220180112T031334_20180112T040308_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_220180112T040308_20180112T045248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180112T045248_20180112T054222_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180112T054222_20180112T063202_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_220180112T063202_20180112T072136_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_220180112T072136_20180112T081115_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180112T081115_20180112T090049_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_220180112T090049_20180112T095029_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_220180112T095029_20180112T104003_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_220180112T104003_20180112T112942_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_220180112T112942_20180112T121916_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_20180112T121916_20180112T130856_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180112T130856_20180112T135830_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180112T135830_20180112T144809_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_220180112T153743_20180112T162723_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_220180112T162723_20180112T171657_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_20180112T171657_20180112T180637_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_220180112T180637_20180112T185611_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180112T185611_20180112T194550_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_20180112T194550_20180112T203524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180112T203524_20180112T212504_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_20180112T212504_20180112T221438_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180112T221438_20180112T230417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 27

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180111T235507_20180112T004441_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_220180112T004441_20180112T013421_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_220180112T013421_20180112T022355_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_220180112T022355_20180112T031334_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_220180112T031334_20180112T040308_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_220180112T040308_20180112T045248_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_220180112T045248_20180112T054222_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_220180112T054222_20180112T063202_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_220180112T063202_20180112T072136_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_220180112T072136_20180112T081115_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_220180112T081115_20180112T090049_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_220180112T090049_20180112T095029_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_220180112T095029_20180112T104003_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_220180112T104003_20180112T112942_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_220180112T112942_20180112T121916_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_220180112T121916_20180112T130856_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_220180112T130856_20180112T135830_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_220180112T135830_20180112T144809_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_220180112T153743_20180112T162723_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_220180112T162723_20180112T171657_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_220180112T171657_20180112T180637_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_220180112T180637_20180112T185611_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_220180112T185611_20180112T194550_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_220180112T194550_20180112T203524_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_220180112T203524_20180112T212504_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_220180112T212504_20180112T221438_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_220180112T221438_20180112T230417_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

25

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.

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CC_OFFL_SIR_GOP_2_20180112T013421_00180112T013421_0001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T022355_0180112T022355_0001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T022355_0180112T022355_00101Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T023134_00180112T04308_0001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T045248_00180112T045248_0001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T045248_00180112T054228_0010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T045248_00180112T072136_C00110112T072136_C0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T072136_0180112T08115_C0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T08115_018010_00049_00180112T095029_C0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T1040038_0180112T112940_C0011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T1219080049_0180112T112940_C0011Ocean Retracking Quality Flag	Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180112T013421_20180112T022355_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T03134_20180112T040388_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T03134_20180112T040388_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T040388_20180112T045248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T045248_20180112T045242_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T072136_20180112T072136_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T072136_20180112T090049_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T090049_20180112T090049_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T090049_20180112T04003_20180112T04003_20180112T04003_20180112T04003_20180112T04003_20180112T11940_20101Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T112042_20180112T11945_201801Ocean Retracking Qualit	CS_OFFL_SIR_GOP_220180111T235507_20180112T004441_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_GOP_2_20180112T040308_20180112T045248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T045248_20180112T054222_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T063202_20180112T072136_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T072136_20180112T090049_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T090049_20180112T095029_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T090049_20180112T095029_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T090049_20180112T104003_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T104003_20180112T112942_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T112916_20180112T130856_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180112T130856_20180112T136850_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T135830_20180112T1365723_20180112T136572_001Ocean Retracking	CS_OFFL_SIR_GOP_2_20180112T022355_20180112T031334_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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