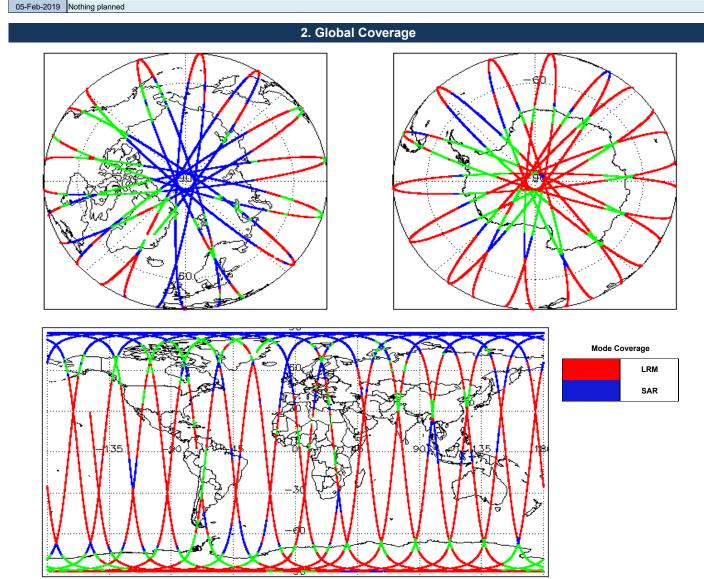


IDEAS+ Daily Report for IOP data:

<u>04/02/2019</u>

1. Overview				
		Check	L1 & L2	P2P
Report Production:	08-Feb-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CriveSet Ocean Dresseer	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Jsed: CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data Used:	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
1		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News				
03-F	eb-2019	None		
04-F	eb-2019	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. IOP 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-c	letermined 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.	The bit value of this flag indicates any prol	blems 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 record. The bit value of this flag indicates any problems when set. Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update. Number of products with errors: 0				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.				
Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.				
Number of products with errors: 17				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20190204T020312_20190204T023811_C001	Loss of Echo	The tracking echo is missing for one or more records		

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190204T020312_20190204T023811_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T033657_20190204T034222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T060926_20190204T061142_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T064842_20190204T065221_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T074610_20190204T074834_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T091948_20190204T092004_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T122644_20190204T122844_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T123842_20190204T123926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190204T173445_20190204T173815_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T050543_20190204T051131_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T140627_20190204T140705_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T141125_20190204T141559_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T141603_20190204T141838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T165415_20190204T165524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T190931_20190204T191148_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T191154_20190204T191245_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190204T215234_20190204T215335_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP 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 SPH in order to identify any inconsistencies 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-determined baseline and also to check 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 checked 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 measurement record. The bit value of this flag indicates any problems when set.		
Number of products with errors: 0		
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.		

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190204T000510_20190204T001135_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190204T001321_20190204T001900_C001 CS OFFL SIR IOPM 2 20190204T002427 20190204T005812 C001 CS_OFFL_SIR_IOPM_2_20190204T013130_20190204T015117_C001 CS_OFFL_SIR_IOPM_2_20190204T015245_20190204T015755_C001 CS_OFFL_SIR_IOPM_2_20190204T020312_20190204T023811_C001 CS_OFFL_SIR_IOPM_2_20190204T030230_20190204T030700_C001 CS OFFL SIR IOPM 2 20190204T030746 20190204T032521 C001 CS OFFL SIR IOPM 2 20190204T032817 20190204T033002 C001 CS_OFFL_SIR_IOPM_2_20190204T033450_20190204T033657_C001 CS_OFFL_SIR_IOPM_2_20190204T034348_20190204T040004_C001 CS_OFFL_SIR_IOPM_2_20190204T040007_20190204T041324_C001 CS_OFFL_SIR_IOPM_2_20190204T043255_20190204T045113_C001 CS OFFL SIR IOPM 2 20190204T045211 20190204T050543 C001 CS_OFFL_SIR_IOPM_2_20190204T051725_20190204T052108_C001 CS_OFFL_SIR_IOPM_2_20190204T052249_20190204T053829_C001 CS OFFL SIR IOPM 2 20190204T054031 20190204T054954 C001 CS_OFFL_SIR_IOPM_2_20190204T060802_20190204T060926_C001 CS_OFFL_SIR_IOPM_2_20190204T061748_20190204T062911_C001 CS OFFL SIR IOPM 2 20190204T065221 20190204T070010 C001 CS_OFFL_SIR_IOPM_2_20190204T070159_20190204T071733_C001 CS_OFFL_SIR_IOPM_2_20190204T075530_20190204T080509_C001 CS OFFL SIR IOPM 2 20190204T080511 20190204T082817 C001 CS_OFFL_SIR_IOPM_2_20190204T083310_20190204T083902_C001 CS OFFL SIR IOPM 2 20190204T084121 20190204T090720 C001 CS OFFL SIR IOPM 2 20190204T093832 20190204T094951 C001 CS OFFL SIR IOPM 2 20190204T095526 20190204T100659 C001 CS_OFFL_SIR_IOPM_2_20190204T101253_20190204T101715_C001 CS_OFFL_SIR_IOPM_2_20190204T102005_20190204T104714_C001 CS_OFFL_SIR_IOPM_2_20190204T105818_20190204T105824_C001 CS OFFL SIR IOPM 2 20190204T111258 20190204T112904 C001 CS_OFFL_SIR_IOPM_2_20190204T112916_20190204T114605_C001 CS_OFFL_SIR_IOPM_2_20190204T115203_20190204T115742_C001 CS OFFL SIR IOPM 2 20190204T115904 20190204T120526 C001 CS_OFFL_SIR_IOPM_2_20190204T125125_20190204T132549_C001 CS_OFFL_SIR_IOPM_2_20190204T133107_20190204T133619_C001 CS OFFL SIR IOPM 2 20190204T133804 20190204T135806 C001 CS_OFFL_SIR_IOPM_2_20190204T142947_20190204T150337_C001 CS OFFL SIR IOPM 2 20190204T150843 20190204T151106 C001 CS OFFL SIR IOPM 2 20190204T151113 20190204T151525 C001 CS_OFFL_SIR_IOPM_2_20190204T151721_20190204T154602_C001 CS_OFFL_SIR_IOPM_2_20190204T154625_20190204T155348_C001 CS OFFL SIR IOPM 2 20190204T161153 20190204T162042 C001 CS_OFFL_SIR_IOPM_2_20190204T162523_20190204T162658_C001 CS_OFFL_SIR_IOPM_2_20190204T162710_20190204T164307_C001 CS_OFFL_SIR_IOPM_2_20190204T164445_20190204T165005_C001 CS_OFFL_SIR_IOPM_2_20190204T165024_20190204T165228_C001 CS OFFL SIR IOPM 2 20190204T165738 20190204T165749 C001 CS_OFFL_SIR_IOPM_2_20190204T170114_20190204T171342_C001 CS_OFFL_SIR_IOPM_2_20190204T171553_20190204T172744_C001 CS OFFL SIR IOPM 2 20190204T175514 20190204T180444 C001 CS_OFFL_SIR_IOPM_2_20190204T180646_20190204T182217_C001

Ice 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 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 Ocean Range Averaging Status Ocean 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 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 Ocean Range Averaging Status Ice 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 Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more 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 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 record 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. 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CS_OFFL_SIR_IOPM_2_20190204T182410_20190204T182916_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T182940_20190204T183056_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T185632_20190204T185933_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T190056_20190204T190448_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T194434_20190204T200130_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T200359_20190204T200832_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T200854_20190204T201027_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T201427_20190204T204015_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T211441_20190204T214110_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T214226_20190204T214733_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T214752_20190204T215117_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T215335_20190204T220548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T221123_20190204T222623_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T225217_20190204T232038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T232209_20190204T232647_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T232649_20190204T233023_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T233254_20190205T000805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190204T074610_20190204T074834_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190204T214746_20190204T214752_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190204T232046_20190204T232209_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T042643_20190204T042752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T091728_20190204T091948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T094951_20190204T095526_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T114605_20190204T114824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T180444_20190204T180646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T232038_20190204T232046_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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190204T000510_20190204T001135_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_IOPM_2_20190204T001321_20190204T001900_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T002427_20190204T005812_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_IOPM_2_20190204T011204_20190204T011255_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_IOPM_2_20190204T013130_20190204T015117_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_IOPM_2_20190204T015245_20190204T015755_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T020312_20190204T023811_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_IOPM_2_20190204T030746_20190204T032521_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_IOPM_2_20190204T032817_20190204T033002_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_IOPM_2_20190204T034348_20190204T040004_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_IOPM_2_20190204T040007_20190204T041324_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_IOPM_2_20190204T043255_20190204T045113_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_IOPM_2_20190204T045211_20190204T050543_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_IOPM_2_20190204T051725_20190204T052108_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190204T052249_20190204T053829_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_IOPM_2_20190204T054031_20190204T054954_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_IOPM_2_20190204T061748_20190204T062911_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_IOPM_2_20190204T065221_20190204T070010_C001 CS OFFL SIR IOPM 2 20190204T070159 20190204T071733 C001 CS_OFFL_SIR_IOPM_2_20190204T075530_20190204T080509_C001 CS_OFFL_SIR_IOPM_2_20190204T080511_20190204T082817_C001 CS_OFFL_SIR_IOPM_2_20190204T083310_20190204T083902_C001 CS_OFFL_SIR_IOPM_2_20190204T084121_20190204T090720_C001 CS OFFL SIR IOPM 2 20190204T093832 20190204T094951 C001 CS OFFL SIR IOPM 2 20190204T095526 20190204T100659 C001 CS_OFFL_SIR_IOPM_2_20190204T101253_20190204T101715_C001 CS_OFFL_SIR_IOPM_2_20190204T102005_20190204T104714_C001 CS_OFFL_SIR_IOPM_2_20190204T105818_20190204T105824_C001 CS_OFFL_SIR_IOPM_2_20190204T111258_20190204T112904_C001 CS_OFFL_SIR_IOPM_2_20190204T112916_20190204T114605_C001 CS_OFFL_SIR_IOPM_2_20190204T115203_20190204T115742_C001 CS_OFFL_SIR_IOPM_2_20190204T115904_20190204T120526_C001 CS OFFL SIR IOPM 2 20190204T123642 20190204T123803 C001 CS_OFFL_SIR_IOPM_2_20190204T125125_20190204T132549_C001 CS_OFFL_SIR_IOPM_2_20190204T133107_20190204T133619_C001 CS OFFL SIR IOPM 2 20190204T133804 20190204T135806 C001 CS_OFFL_SIR_IOPM_2_20190204T142947_20190204T150337_C001 CS_OFFL_SIR_IOPM_2_20190204T150843_20190204T151106_C001 CS OFFL SIR IOPM 2 20190204T151113 20190204T151525 C001 CS_OFFL_SIR_IOPM_2_20190204T151721_20190204T154602_C001 CS OFFL SIR IOPM 2 20190204T154625 20190204T155348 C001 CS OFFL SIR IOPM 2 20190204T161153 20190204T162042 C001 CS OFFL SIR IOPM 2 20190204T162523 20190204T162658 C001 CS_OFFL_SIR_IOPM_2_20190204T162710_20190204T164307_C001 CS_OFFL_SIR_IOPM_2_20190204T164445_20190204T165005_C001 CS_OFFL_SIR_IOPM_2_20190204T165024_20190204T165228_C001 CS OFFL SIR IOPM 2 20190204T165738 20190204T165749 C001 CS_OFFL_SIR_IOPM_2_20190204T170114_20190204T171342_C001 CS_OFFL_SIR_IOPM_2_20190204T171553_20190204T172744_C001 CS OFFL SIR IOPM 2 20190204T175514 20190204T180444 C001 CS_OFFL_SIR_IOPM_2_20190204T180646_20190204T182217_C001 CS_OFFL_SIR_IOPM_2_20190204T182410_20190204T182916_C001 CS OFFL SIR IOPM 2 20190204T182940 20190204T183056 C001 CS_OFFL_SIR_IOPM_2_20190204T185632_20190204T185933_C001 CS OFFL SIR IOPM 2 20190204T190056 20190204T190448 C001 CS OFFL SIR IOPM 2 20190204T194434 20190204T200130 C001 CS_OFFL_SIR_IOPM_2_20190204T200359_20190204T200832_C001 CS_OFFL_SIR_IOPM_2_20190204T200854_20190204T201027_C001 CS OFFL SIR IOPM 2 20190204T201427 20190204T204015 C001 CS_OFFL_SIR_IOPM_2_20190204T211441_20190204T214110_C001 CS_OFFL_SIR_IOPM_2_20190204T214226_20190204T214733_C001 CS_OFFL_SIR_IOPM_2_20190204T214752_20190204T215117_C001 CS_OFFL_SIR_IOPM_2_20190204T215335_20190204T220548_C001 CS OFFL SIR IOPM 2 20190204T221123 20190204T222623 C001 CS_OFFL_SIR_IOPM_2_20190204T225217_20190204T232038_C001 CS_OFFL_SIR_IOPM_2_20190204T232209_20190204T232647_C001 CS OFFL SIR IOPM 2 20190204T232649 20190204T233023 C001 CS_OFFL_SIR_IOPM_2_20190204T233254_20190205T000805_C001 Ice Backscatter Averaging Status

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

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

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

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

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

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

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean 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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status 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 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 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 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 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 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 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.

CS_OFFL_SIR_IOPN_2_20190204T074610_20190204T074834_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_IOPN_2_20190204T214746_20190204T214752_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190204T232046_20190204T232209_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190204T042643_20190204T042752_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_IOPR_2_20190204T091728_20190204T091948_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_IOPR_2_20190204T094951_20190204T095526_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_IOPR_2_20190204T114605_20190204T114824_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_IOPR_2_20190204T180444_20190204T180646_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_IOPR_2_20190204T232038_20190204T232046_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. Number of products with errors: 60

6. IOP 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. 0 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: 0

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). Number of products with errors: 0

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

6.6 P2P Range Measurement Check

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

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

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

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

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

CS_OFFL_SIR_IOP_220190204T124211_20190204T133147_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_IOP_220190204T133147_20190204T142124_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_IOP_220190204T142124_20190204T151100_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_IOP_220190204T151100_20190204T160038_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_IOP_220190204T160038_20190204T165014_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_IOP_220190204T165014_20190204T173951_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_IOP_220190204T173951_20190204T182927_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_IOP_220190204T182927_20190204T191905_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_IOP_220190204T191905_20190204T200841_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_IOP_220190204T200841_20190204T205819_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_IOP_220190204T205819_20190204T214755_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_IOP_220190204T214755_20190204T223732_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_IOP_220190204T223732_20190204T232708_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_IOP_220190204T232708_20190205T001646_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190203T232822_20190204T001758_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_IOP_220190204T001758_20190204T010736_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_IOP_220190204T010736_20190204T015712_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_IOP_220190204T015712_20190204T024650_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_IOP_220190204T024650_20190204T033625_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_IOP_220190204T033625_20190204T042603_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_IOP_220190204T042603_20190204T051539_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_IOP_220190204T051539_20190204T060517_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_IOP_220190204T060517_20190204T065452_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_IOP_220190204T065452_20190204T074430_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_IOP_220190204T074430_20190204T083406_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_IOP_220190204T083406_20190204T092344_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_IOP_220190204T092344_20190204T101320_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_IOP_220190204T101320_20190204T110257_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_IOP_220190204T110257_20190204T115233_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_IOP_220190204T115233_20190204T124211_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_IOP_220190204T124211_20190204T133147_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_IOP_220190204T133147_20190204T142124_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_IOP_220190204T142124_20190204T151100_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_IOP_220190204T151100_20190204T160038_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_IOP_220190204T160038_20190204T165014_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_IOP_220190204T165014_20190204T173951_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_IOP_220190204T173951_20190204T182927_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_IOP_220190204T182927_20190204T191905_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_IOP_220190204T191905_20190204T200841_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_IOP_220190204T200841_20190204T205819_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_IOP_220190204T205819_20190204T214755_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_IOP_220190204T214755_20190204T223732_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_IOP_220190204T223732_20190204T232708_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_IOP_220190204T232708_20190205T001646_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.

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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	f products with errors:

CS_OFFL_SIR_IOP_2_20190204T01078_20190204T015712_000 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T024650_20190204T024650_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T024650_20190204T024630_2010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T024630_20190204T02603_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T02603_20190204T065152_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T06517_20190204T065452_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T06452_20190204T04330_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T063325_0190204T013234_0010204T015234_0010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T103234_0190204T101320_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T102	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190204T015712_20190204T024650_C001 Ocean Retracking Quality Flag The Ocean Retrack	CS_OFFL_SIR_IOP_220190204T001758_20190204T010736_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T033625_00190204T033625_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag	CS_OFFL_SIR_IOP_220190204T010736_20190204T015712_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T033825_20190204T042603_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T064542_20190204T064430_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T1043406_20190204T10320_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T101320_20190204T110257_C0010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T1124211_20190204T110257_C0010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T1124211_20190204T1124211_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re <	CS_OFFL_SIR_IOP_220190204T015712_20190204T024650_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T051539_20190204T051539_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T060517_20190204T060517_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T060517_20190204T066452_20190204T064562_20190204T074430_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T064430_20190204T074430_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T074430_20190204T083406_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T10320_20190204T10320_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T101232_0190204T110257_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T110257_20190204T110257_20190204T110257_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T124211_20190204T110257_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re	CS_OFFL_SIR_IOP_220190204T024650_20190204T033625_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T051539_20190204T060517_C001 Ocean Retracking Quality Flag The Ocean Retrack	CS_OFFL_SIR_IOP_220190204T033625_20190204T042603_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T060517_20190204T065452_C001 CCsan Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T063452_20190204T083406_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T083406_20190204T082344_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T092344_20190204T101320_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T101320_20190204T101320_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T10257_20190204T110257_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T110257_20190204T112231_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T124211_20190204T1124211_001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T162012_0113147_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160038_20190204T160014 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160038_20190204T160014 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160014120190204T182927_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T182927_20190204T182927_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or mor	CS_OFFL_SIR_IOP_220190204T042603_20190204T051539_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T064452_20190204T074430_C001 Ocean Retracking Quality Flag The Ocean Retracking Qu	CS_OFFL_SIR_IOP_220190204T051539_20190204T060517_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190204T074430_20190204T083406_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T083406_20190204T092344_2001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T092344_20190204T101320_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T101320_20190204T110257_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T110257_20190204T115233_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T124211_20190204T115233_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T124211_20190204T151100_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160038_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160038_0109204T160038_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re CS_OFFL_SIR_IOP_2_20190204T160038_0109204T160038_C001 Ocean Retracking Quality Fla	CS_OFFL_SIR_IOP_220190204T060517_20190204T065452_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_IOP_2_20190204T092344_20190204T101320_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T101320_20190204T110257_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T110257_20190204T115233_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T115233_20190204T124211_c001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T142124_20190204T133147_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T14214_20190204T151100_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T160038_20190204T160038_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T160038_20190204T165014_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T165014_20190204T182927_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T182927_20190204T182927_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T190520190204T120861_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SI	CS_OFFL_SIR_IOP_220190204T074430_20190204T083406_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_IOP_2_20190204T115233_20190204T124211_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T124211_20190204T133147_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T142124_20190204T151100_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T1610038_20190204T160038_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T165014_20190204T165014_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T165014_20190204T173951_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T165014_20190204T173951_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T182927_20190204T182927_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T191905_20190204T191905_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T191905_20190204T200841_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OFFL_SIR_IOP_2_20190204T205819_20190204T223732_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more reCS_OF	CS_OFFL_SIR_IOP_220190204T101320_20190204T110257_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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