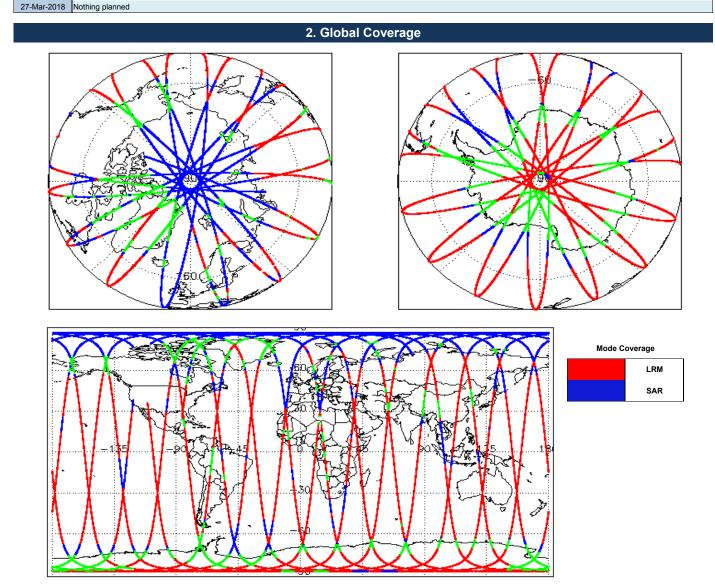


IDEAS+ Daily Report for IOP data:

26/03/2018

1. Overview				
Domont Draductions	28-Mar-2018	Check	L1 & L2	P2P
Report Production:	28-141-2018	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CrueSet Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor used.	Used: CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
		Product Header Analysis	Nominal	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 25-Mar-2018 None 26-Mar-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. 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 pr	e-determined baseline and also to check	the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement reco	rd. The bit value of this flag indicates 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 measure	ment record. The bit value of this flag ind	icates any problems when set.
Attitude Correction Missing: This flag is currently set in error for IOPR produ	ucts due to a configuration issue. This is	being investigated and will be updated in the next SW update.
Number of products with errors: 2		
Product	Test Failed	Description
CS_OEEL_SIR_IOPM1B_20180326T111739_20180326T112014_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more

records There is an error in the scaling of the L1B waveform for one or more

records

Power scaling error

CS_OFFL_SIR_IOPM1B_20180326T225540_20180326T225644_C001	Power scaling error
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4.6 L1B Waveform Group Data Check

CS_OFFL_SIR_IOPM1B_20180326T111739_20180326T112014_C001

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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180326T010507_20180326T012811_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180326T084128_20180326T090349_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180326T101040_20180326T102622_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T000652_20180326T001141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T005859_20180326T010114_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T063725_20180326T064034_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T095222_20180326T095523_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T095632_20180326T095846_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T105133_20180326T105754_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T190648_20180326T191210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T213924_20180326T214149_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180326T221824_20180326T221949_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T004906_20180326T005006_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T045940_20180326T050825_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T094808_20180326T094951_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T145253_20180326T150029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T165009_20180326T165327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180326T181045_20180326T181739_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:

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:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

2

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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180326T111739_20180326T112014_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180326T225540_20180326T225644_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

an 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. 73

Number of products with errors:

Product Test Failed Description The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T002136_20180326T004905_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T005414_20180326T005859_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T010150_20180326T010456_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T010507 20180326T012811 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T020038 20180326T021033 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T021611 20180326T022813 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T023333_20180326T023929_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T024058_20180326T031000_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T031729_20180326T031928_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T033211_20180326T040713_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T041240_20180326T041800_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T041932 20180326T042249 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T042438_20180326T042600_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T045541_20180326T045821_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T045852 20180326T045940 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T051209_20180326T052041_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T052327_20180326T054631_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T055129 20180326T055242 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T055249 20180326T055656 C001 Ice Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T055830_20180326T061202_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T061350 20180326T061958 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T062141 20180326T062624 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T065101_20180326T072429_C001 Ocean Range Averaging Status ecord The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T072634 20180326T073140 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T073200_20180326T073502_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T073749_20180326T073945_C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T074241_20180326T081318_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T081509_20180326T081716_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T081716 20180326T081834 C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T083310_20180326T084123_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T084128_20180326T090349_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T090531 20180326T091038 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T092018_20180326T093017_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T093637_20180326T094807_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T101040 20180326T102622 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T102802 20180326T104250 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T104448 20180326T104948 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T105754_20180326T111736_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T111739 20180326T112014 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T112136_20180326T113000_C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T115905_20180326T122217_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T122912_20180326T122921_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180326T123509 20180326T130231 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T133515_20180326T140135_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180326T140310_20180326T140819_C001 Ice Range Averaging Status records

CS_OFFL_SIR_IOPM_2_20180326T141433_20180326T142625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T143204_20180326T144908_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T153459_20180326T154131_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T154310_20180326T154852_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T155354_20180326T162758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T170122_20180326T172100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T172235_20180326T172745_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T173302_20180326T180743_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T183220_20180326T183657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T183736_20180326T185536_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T185802_20180326T190009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T191349_20180326T194322_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T200245_20180326T202116_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T202201_20180326T203520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T204722_20180326T205059_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T205236_20180326T210821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T211023_20180326T211944_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T214307_20180326T214409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T214725_20180326T215901_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T222217_20180326T222522_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T222526_20180326T223000_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T223149_20180326T224723_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T232519_20180326T233230_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180326T095632_20180326T095846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180326T013735_20180326T013859_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180326T061203_20180326T061350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180326T154132_20180326T154149_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180326T191210_20180326T191348_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. 71

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180326T002136_20180326T004905_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_20180326T005414_20180326T005859_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T010150_20180326T010456_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_20180326T010507_20180326T012811_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_20180326T020038_20180326T021033_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_20180326T021611_20180326T022813_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_20180326T023333_20180326T023929_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T024058_20180326T031000_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_20180326T033211_20180326T040713_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_20180326T041240_20180326T041800_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180326T041932_20180326T042249_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_20180326T042438_20180326T042600_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_20180326T045541_20180326T045821_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_20180326T045852_20180326T045940_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_20180326T051209_20180326T052041_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_20180326T052327_20180326T054631_C001 CS OFFL SIR IOPM 2 20180326T055129 20180326T055242 C001 CS_OFFL_SIR_IOPM_2_20180326T055249_20180326T055656_C001 CS_OFFL_SIR_IOPM_2_20180326T055830_20180326T061202_C001 CS_OFFL_SIR_IOPM_2_20180326T061350_20180326T061958_C001 CS_OFFL_SIR_IOPM_2_20180326T065101_20180326T072429_C001 CS OFFL SIR IOPM 2 20180326T072634 20180326T073140 C001 CS OFFL SIR IOPM 2 20180326T073200 20180326T073502 C001 CS_OFFL_SIR_IOPM_2_20180326T073749_20180326T073945_C001 CS_OFFL_SIR_IOPM_2_20180326T074241_20180326T081318_C001 CS_OFFL_SIR_IOPM_2_20180326T081509_20180326T081716_C001 CS_OFFL_SIR_IOPM_2_20180326T081716_20180326T081834_C001 CS OFFL SIR IOPM 2 20180326T083310 20180326T084123 C001 CS_OFFL_SIR_IOPM_2_20180326T084128_20180326T090349_C001 CS_OFFL_SIR_IOPM_2_20180326T090531_20180326T091038_C001 CS OFFL SIR IOPM 2 20180326T092018 20180326T093017 C001 CS_OFFL_SIR_IOPM_2_20180326T093637_20180326T094807_C001 CS_OFFL_SIR_IOPM_2_20180326T101040_20180326T102622_C001 CS_OFFL_SIR_IOPM_2_20180326T102802_20180326T104250_C001 CS_OFFL_SIR_IOPM_2_20180326T104448_20180326T104948_C001 CS_OFFL_SIR_IOPM_2_20180326T105030_20180326T105133_C001 CS OFFL SIR IOPM 2 20180326T105754 20180326T111736 C001 CS_OFFL_SIR_IOPM_2_20180326T111739_20180326T112014_C001 CS OFFL SIR IOPM 2 20180326T112136 20180326T113000 C001 CS OFFL SIR IOPM 2 20180326T115905 20180326T122217 C001 CS OFFL SIR IOPM 2 20180326T122912 20180326T122921 C001 CS_OFFL_SIR_IOPM_2_20180326T123509_20180326T130231_C001 CS_OFFL_SIR_IOPM_2_20180326T133515_20180326T140135_C001 CS_OFFL_SIR_IOPM_2_20180326T140310_20180326T140819_C001 CS OFFL SIR IOPM 2 20180326T141433 20180326T142625 C001 CS_OFFL_SIR_IOPM_2_20180326T143204_20180326T144908_C001 CS_OFFL_SIR_IOPM_2_20180326T153459_20180326T154131_C001 CS OFFL SIR IOPM 2 20180326T154310 20180326T154852 C001 CS_OFFL_SIR_IOPM_2_20180326T155354_20180326T162758_C001 CS_OFFL_SIR_IOPM_2_20180326T170122_20180326T172100_C001 CS_OFFL_SIR_IOPM_2_20180326T172235_20180326T172745_C001 CS_OFFL_SIR_IOPM_2_20180326T173302_20180326T180743_C001 CS OFFL SIR IOPM 2 20180326T183736 20180326T185536 C001 CS OFFL SIR IOPM 2 20180326T185802 20180326T190009 C001 CS_OFFL_SIR_IOPM_2_20180326T191349_20180326T194322_C001 CS_OFFL_SIR_IOPM_2_20180326T200245_20180326T202116_C001 CS OFFL SIR IOPM 2 20180326T202201 20180326T203520 C001 CS_OFFL_SIR_IOPM_2_20180326T204358_20180326T204556_C001 CS OFFL SIR IOPM 2 20180326T204722 20180326T205059 C001 CS_OFFL_SIR_IOPM_2_20180326T205236_20180326T210821_C001 CS_OFFL_SIR_IOPM_2_20180326T211023_20180326T211944_C001 CS OFFL SIR IOPM 2 20180326T214307 20180326T214409 C001 CS_OFFL_SIR_IOPM_2_20180326T214725_20180326T215901_C001 CS_OFFL_SIR_IOPM_2_20180326T222526_20180326T223000_C001 CS OFFL SIR IOPM 2 20180326T223149 20180326T224723 C001 CS_OFFL_SIR_IOPM_2_20180326T232519_20180326T233230_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status ecords Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records. Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status records SWH Averaging Status, Ocean

Backscatter Averaging Status

Backscatter Averaging Status

SWH Averaging Status, Ocean

more records.

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

CS_OFFL_SIR_IOPN_2_20180326T095632_	_20180326T095846_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_20180326T013735	_20180326T013859_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_20180326T061203_	_20180326T061350_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_20180326T154132_	_20180326T154149_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_20180326T191210_	_20180326T191348_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 Quali	ity Check			
CryoSat L2 data includes an ocean retracking	g quality flag for each 20-Hz mea	asurement record. The bit value of this flag in	ndicates any problems when set.	
Ocean Retracking Quality Flag: This flag is	currently set for products over la	and 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:	55			
	6. IOP L	2 Pole-to-Pole Data Qual	ity Check	
6.1 P2P Product Format Check	(
	-	ansura it consists of both an XML beader fi		
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).				
	-			
6.2 P2P Product Header Analy	sis			
For all products, a series of pre-defined check	ks are performed on the MPH ar	nd SPH in order to identify any inconsistenci	es and/or errors raised by the ground-segment processing chain.	
Number of products with errors:	0			
6.3 P2P Auxiliary Data File Usa	age Check			
Each product is checked for missing Data Se	t Descriptors with respect to a pr	re-determined baseline and also to check th	e validity of Auxiliary Data Files is correct.	
Number of products with errors:	0			
6.4 P2P Auxiliary Correction E	rror Check			
For all products, the auxiliary corrections with	in the Geophysical Group are ch	necked for the default error value (32767).		
Number of products with errors:	0			
6.5 P2P Measurement Confide	nce Data Check			
6.5 P2P Measurement Confide CryoSat P2P data includes a measurement c		easurement record. The bit value of this flag	g indicates any problems when set.	

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180326T105011_20180326T113948_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180326T222446_20180326T231423_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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. 28

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180326T000513_20180326T005450_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_220180326T005450_20180326T014427_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_220180326T014427_20180326T023403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T023403_20180326T032341_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_220180326T032341_20180326T041317_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_220180326T041317_20180326T050254_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_220180326T050254_20180326T055230_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T055230_20180326T064208_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_220180326T064208_20180326T073144_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_220180326T073144_20180326T082121_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_220180326T082121_20180326T091057_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_220180326T091057_20180326T100035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T100035_20180326T105011_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_220180326T105011_20180326T113948_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_220180326T113948_20180326T122925_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_220180326T122925_20180326T131902_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_220180326T131902_20180326T140838_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_220180326T140838_20180326T145816_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T145816_20180326T154752_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_220180326T154752_20180326T163729_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T163729_20180326T172705_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_220180326T172705_20180326T181643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T181643_20180326T190619_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T190619_20180326T195556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T195556_20180326T204532_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_220180326T204532_20180326T213510_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_220180326T213510_20180326T222446_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_220180326T222446_20180326T231423_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. 28

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180326T000513_20180326T005450_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_220180326T005450_20180326T014427_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_220180326T014427_20180326T023403_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_220180326T023403_20180326T032341_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_220180326T032341_20180326T041317_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_220180326T041317_20180326T050254_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_220180326T050254_20180326T055230_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_220180326T055230_20180326T064208_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_220180326T064208_20180326T073144_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_220180326T073144_20180326T082121_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_220180326T082121_20180326T091057_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_220180326T091057_20180326T100035_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_220180326T100035_20180326T105011_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_220180326T105011_20180326T113948_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_220180326T113948_20180326T122925_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_220180326T122925_20180326T131902_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_220180326T131902_20180326T140838_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_220180326T140838_20180326T145816_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_220180326T145816_20180326T154752_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_220180326T154752_20180326T163729_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_220180326T163729_20180326T172705_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_220180326T172705_20180326T181643_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_220180326T181643_20180326T190619_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_220180326T190619_20180326T195556_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_220180326T195556_20180326T204532_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_220180326T204532_20180326T213510_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_220180326T213510_20180326T222446_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_220180326T222446_20180326T231423_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.

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. 28

CS_OFFL_SIR_IOP_220180325T231536_20180326T000513_C002		
	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T000513_20180326T005450_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T005450_20180326T014427_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T014427_20180326T023403_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T023403_20180326T032341_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T032341_20180326T041317_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T041317_20180326T050254_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T050254_20180326T055230_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T055230_20180326T064208_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T064208_20180326T073144_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T073144_20180326T082121_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T082121_20180326T091057_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T091057_20180326T100035_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T100035_20180326T105011_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T105011_20180326T113948_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T113948_20180326T122925_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T122925_20180326T131902_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T140838_20180326T145816_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T145816_20180326T154752_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T154752_20180326T163729_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T163729_20180326T172705_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T172705_20180326T181643_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T181643_20180326T190619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T190619_20180326T195556_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T195556_20180326T204532_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T204532_20180326T213510_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T213510_20180326T2222446_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180326T222446_20180326T231423_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.