



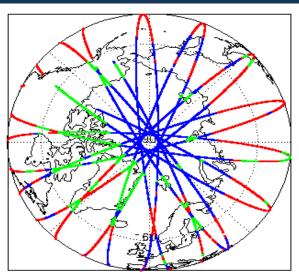
1. Overview

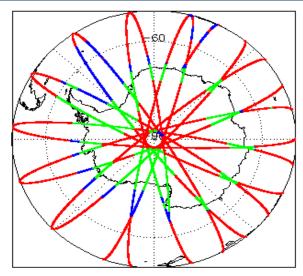
Report Production:	18-Feb-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

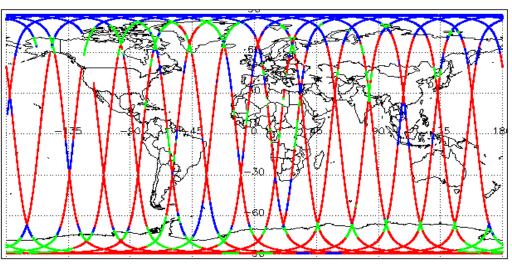
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	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

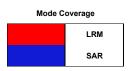
Mission / Instrument News		
12-Feb-2019	None	
13-Feb-2019	None	
14-Feb-2019 SIRAL unavailability on 14-Feb-2019 from 09:05:09 to 11:00:07 due to a planned orbit manoeuvre.		

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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:

0

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.

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

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 problems when set.

Number of products with errors:

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:

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:

13

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190213T043900_20190213T045113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T032826_20190213T033021_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T050611_20190213T050730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T051128_20190213T051251_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T064545_20190213T064753_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T113804_20190213T113901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190213T145419_20190213T145830_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T013752_20190213T013931_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T095532_20190213T100529_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T150929_20190213T151029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T180923_20190213T181053_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T183711_20190213T184526_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190213T195500_20190213T200012_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:

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:

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:

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:

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.

Number of products with errors:

82

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190213T001123_20190213T001213_C001		The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T003240_20190213T004046_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T004104_20190213T005034_C001		The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T005208_20190213T005725_C001		The Ice Range Averaging Status Flag has been set for one or more records.

OO OFFI OID IODM O 00400040T0400F0 00400040T040F00 0004	O Dames Assessing Obstan	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T010250_20190213T012538_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T012823_20190213T013752_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T014943_20190213T015009_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T015051_20190213T015356_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190213T020854_20190213T021428_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T021616_20190213T022940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T023333_20190213T023625_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T024230_20190213T031445_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T033239_20190213T033929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T033942_20190213T040401_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T041337_20190213T041532_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T042203_20190213T043857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T043900_20190213T045113_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T050730_20190213T051128_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T051251_20190213T051502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T051649_20190213T052836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T053722_20190213T054559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T055217_20190213T055448_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T055513_20190213T055939_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T060119_20190213T061624_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T061804_20190213T062214_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T065452_20190213T070202_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T070325_20190213T072737_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T072959_20190213T073853_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T074100_20190213T080503_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T084040 20190213T090648 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T090929 20190213T091109 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T091216 20190213T091642 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T091931 20190213T094537 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T101348 20190213T102831 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T103406_20190213T104610_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T105130 20190213T105720 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T105845 20190213T111707 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T113627_20190213T113710_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T114956 20190213T122500 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T123036 20190213T123551 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T123729 20190213T124036 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T124703 20190213T125419 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T131307_20190213T131551_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T132954 20190213T133840 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T140908 20190213T141037 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T141044_20190213T141453_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T141703_20190213T143001_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190213T143149 20190213T143906 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_20190213T144002_20190213T144407_C001	Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T145155_20190213T145246_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T151029_20190213T153344_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T153350_20190213T154240_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_201902131133330_201902131134240_C001 CS_OFFL_SIR_IOFM_2_20190213T154407_20190213T154935_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_201902131134407_201902131134935_C001 CS_OFFL_SIR_IOPM_2_20190213T154955_20190213T155226_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_20190213T160039_20190213T161309_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
	grand grand	records.

CS_OFFL_SIR_IOPM_2_20190213T161338_20190213T163050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T163442_20190213T163632_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T165222_20190213T170359_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T170602_20190213T172151_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T172334_20190213T172832_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T173739_20190213T174830_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T175435_20190213T180556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T184526_20190213T190031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190745_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T191359_20190213T193748_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T193806_20190213T194831_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T215133_20190213T221946_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T223258_20190213T224427_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T225003_20190213T230751_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T235301_20190213T235423_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T235623_20190213T235931_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T041103_20190213T041337_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T073853_20190213T074054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T140445_20190213T140908_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T145246_20190213T145338_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T231831_20190213T231855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190213T042158_20190213T042203_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190213T074054_20190213T074100_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.

umber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190213T003240_20190213T004046_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_20190213T004104_20190213T005034_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_20190213T005208_20190213T005725_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T010250_20190213T012538_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_20190213T012823_20190213T013752_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_20190213T014943_20190213T015009_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_20190213T015051_20190213T015356_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_20190213T020854_20190213T021428_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_20190213T021616_20190213T022940_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_20190213T023333_20190213T023625_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T024230_20190213T031445_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_20190213T033239_20190213T033929_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_20190213T033942_20190213T040401_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_20190213T041337_20190213T041532_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T041754_20190213T042024_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190213T042203_20190213T043857_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

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COPPLIES (COM 2.) SINDONTHINGS (COM CONTRINESS) COM OFFLIES (COM 2.) SINDONTHINGS (COM CONTRINESS) COM OFFLI	CS_OFFL_SIR_IOPM_2_20190213T043900_20190213T045113_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	
G. OFF. SE (DIPL 2 200001171640) 2010011716400 (DIPL SE) SERVICE SERVI	CS_OFFL_SIR_IOPM_2_20190213T050730_20190213T051128_C001	Ice Backscatter Averaging Status	
6.0 FFF, SR (OW 2 200020770042 2019201710042 COST OFF, SR (OW 2 2000207	CS_OFFL_SIR_IOPM_2_20190213T051251_20190213T051502_C001		The state of the s
Description	CS OFFL SIR IOPM 2 20190213T051649 20190213T052836 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CR. CHF., SR. (CHF. 2, 20100011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010011730018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010018), CHRISTITION (L. DIE) CR. CHF., SR. (CHF. 2, 2010018), CHRISTITION (L. DIE) CR.			
Computer			
Bestuden Averaging Status. Page 14th 200 Services and Status Colors 18th 14th 200 Services Status Colors 18th 14th 200 Ser	CS_OFFL_SIR_IOPM_2_20190213T055513_20190213T055939_C001		records.
Computer	CS_OFFL_SIR_IOPM_2_20190213T060119_20190213T061624_C001	Backscatter Averaging Status	more records.
So OHE SIX DOM A_CONTROL DIVISION LANGUAGE PROVIDED TO THOSE OF THE SIX DOM AND THE SIX DOM AN	CS_OFFL_SIR_IOPM_2_20190213T065452_20190213T070202_C001		
Co.P.F., Br., OPM 2, 20190217100020, 201902171000000, CDI	CS_OFFL_SIR_IOPM_2_20190213T070325_20190213T072737_C001		
Language (Linear Service) (Linear Servic	CS_OFFL_SIR_IOPM_2_20190213T072959_20190213T073853_C001	Ice Backscatter Averaging Status	
CO. OFT. SRI, OFM. 2. 2016/C137104002, 2016/C137104002, CO. CO. OFT. SRI, OFM. 2. 2016/C137104002, CO. CO. O	CS_OFFL_SIR_IOPM_2_20190213T074100_20190213T080503_C001		
De CPFL_SIR_OPM_2_201002131109029_201002131109019_C01001 COLOFFL_SIR_OPM_2_20100213110903_201002131109019_C01001 COLOFFL_SIR_OPM_2_201002131110903_201002131109019_C01001 COLOFFL_SIR_OPM_2_201002131110903_201002131109019_C01001 COLOFFL_SIR_OPM_2_201002131110903_201002131109019_C01001 COLOFFL_SIR_OPM_2_201002131110903_201002131109019_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100213110903_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100213110903_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_20100131110900_C01001 COLOFFL_SIR_OPM_2_201002131110903_201001311109	CS_OFFL_SIR_IOPM_2_20190213T084040_20190213T090648_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Excepting John J. 201000151700175. 201100151700165. COID See Black Scotter Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status. Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and Cover Averaging Status Filips Inter-Deel set for one or most recover. The SPM and	CS OFFI SIR IOPM 2 20190213T090929 20190213T091109 C001		The Ice Backscatter Averaging Status Flag has been set for one or more
SO, OFFL, SIR, LOPM, 2, 20180213T100482, 20180213T100481, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T100481, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T100481, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T100491, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T100491, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T10041, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T10041, 20190 SOFFL, SIR, LOPM, 2, 20180213T100482, 20180213T10041, 20190 SOFFL, SIR, LOPM, 2, 20180213T100402, 20180213T10041, 20190 SOFFL, SIR, LOPM, 2, 20180213T104700, 20190213T10041, 2019			
Section of the control of the contro			
Sc. CPFL_SR_CPPL_2/20100215110032_0100215110070_0000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_201902131091931_201902131094537_C001	Backscatter Averaging Status	more records.
Backscartler Averaging Status File (S. OFFL, Sill, 2004.2, 2018)2131106242, 201802131110627. 20180213111070 CODI S. OFFL, Sill, OPFL, 2018 (2014.2, 201802131110627, 20180213111070 CODI S. OFFL, Sill, OPFL, 2018 (2014.2, 201802131110627, 20180213111070 CODI S. OFFL, Sill, OPFL, 2018 (2014.2, 201802131110627, 20180213111070 CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213112051 CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213112051 CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213112051 CODI S. OFFL, Sill, OPFL, 201802131110627, 201802131120540, CODI S. OFFL, Sill, OPFL, 201802131110627, 201802131120540, CODI S. OFFL, Sill, OPFL, 201802131110627, 201802131110640, CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213111060, CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213111060, CODI S. OFFL, Sill, OPFL, 201802131110627, 20180213111060, CODI S. OFFL, Sill, OPFL, 20180213111060, 2018021311060, COD	CS_OFFL_SIR_IOPM_2_20190213T101348_20190213T102831_C001	Backscatter Averaging Status	more records.
S. OFFL, SIR, JOPHA 2, 20180213T114029, 20180213T114010, CO10 S. OFFL, SIR, JOPHA 2, 20180213T114029, 20180213T12350, CO10 S. OFFL, SIR, JOPHA 2, 20180213T12403, 20180213T12351, CO10 S. OFFL, SIR, JOPHA 2, 20180213T12403, 20180213T12401, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13403, 20180213T13401, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13403, 20180213T13401, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13401, 20180213T13401, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13401, 2018013T13400, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13401, 2018013T13400, CO10 S. OFFL, SIR, JOPHA 2, 20180213T13401, CO101 S. OFFL, SIR, JOPHA 2, 20180213T14002, 2018013T13400, CO101 S. OFFL, SIR, JOPHA 2, 20180213T14002, 2018013T14400, CO101 S. OFFL, SIR, JOPHA 2, 20180213T16400, 2018013T14400, CO101 S. OFFL, SIR, JOPHA 2, 20180213T16400, 2018013T16400, CO101 S. OFFL, SIR, JOPHA 2, 20180213T16400, 2018013T16400, CO101 S. OFFL, SIR, JOPHA 2, 20180213T16400, 20180	CS_OFFL_SIR_IOPM_2_20190213T103406_20190213T104610_C001		
Backscater Averaging Status Cosen Backscater Averaging Status Cosen Backscater Averaging Status Cosen Backscater Averaging Status Cosen Backscater Averaging Status Backsc	CS_OFFL_SIR_IOPM_2_20190213T105130_20190213T105720_C001	Ice Backscatter Averaging Status	
SOFFL_SIR_JOPM_2_20190213T14305_20190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_20190213T133840_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14305_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14405_00190213T14305_001 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_001001 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_0010013T14405_00101 SOFFL_SIR_JOPM_2_00190213T14405_0010013T15405_001 SOFFL_SIR_JOPM_2_00190213T14405_0010013T15405_00101 SOFFL_SIR_JOPM_2_00190213T16405_0010013T15405_00101 SOFFL_SIR_JOPM_2_00190213T16405_0010013T16405_00101 SOFFL_SIR_JOPM_2_00190213T16	CS_OFFL_SIR_IOPM_2_20190213T105845_20190213T111707_C001		
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SOFFL_SRI_JOPM_2_20190213T120308_20190213T12491_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T12491_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T12491_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T134591_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T134591_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T134591_C001 SOFFL_SRI_JOPM_2_20190213T124703_20190213T134591_C001 SOFFL_SRI_JOPM_2_20190213T14703_20190213T14403_C001 SOFFL_SRI_JOPM_2_20190213T14003_C001 SOFFL_SRI_JOPM_2_20190213T14003_C001 SOFFL_SRI_JOPM_2_20190213T14003_C001 SOFFL_SRI_JOPM_2_20190213T150407_C001 SOFFL_SRI_JOPM_2_20190213T150407_C001 SOFFL_SRI_JOPM_2_20190213T150407_C001 SOFFL_SRI_JOPM_2_20190213T150407_C001 SOFFL_SRI_JOPM_2_20190213T16033_C001 SOFFL_SRI_JOPM_2_20190213T16034_C001001 SOF	CS OFFL SIR IOPM 2 20190213T114956 20190213T122500 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SO GFEL_SRI_JOPM 2_20190213T14293_20190213T15551_0001 SO GFEL_SRI_JOPM 2_20190213T13907_20190213T13551_0001 SO GFEL_SRI_JOPM 2_20190213T13907_20190213T13907_0001 SO GFEL_SRI_JOPM 2_20190213T13907_20190213T13907_0001 SO GFEL_SRI_JOPM 2_20190213T14094_20190213T13907_0001 SO GFEL_SRI_JOPM 2_20190213T14094_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14094_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14094_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14094_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T1353354_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T15095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T15095_0001 SO GFEL_SRI_JOPM 2_20190213T14092_20190213T15095_0001 SO GFEL_SRI_JOPM 2_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T15095_0001 SO GFEL_SRI_JOPM 2_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T14095_0001 SO GFEL_SRI_JOPM 2_20190213T16095_00100213T16095_0001 SO G			
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So. PFIL_SIR_LOPM_2_20190213T119309_20190213T1313840_001 SO. FOFIL_SIR_LOPM_2_20190213T140008_20190213T1313840_001 SO. FOFIL_SIR_LOPM_2_20190213T140008_20190213T1440301_0001 SO. FOFIL_SIR_LOPM_2_20190213T14004_20190213T144000_001 SO. FOFIL_SIR_LOPM_2_20190213T14002_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T14000_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T14000_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T14000_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T14000_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T16000_20190213T143000_001 SO. FOFIL_SIR_LOPM_2_20190213T16000_20190213T15344_0001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T15344_0001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T15400_001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T154000_001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T154000_001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T154000_001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T15000_001 SO. FOFIL_SIR_LOPM_2_20190213T15000_20190213T15000_001 SO. FOFIL_SIR_LOPM_2_20190213T17000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T17000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T17000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T170000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T170000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T170000_20190213T170000_001 SO. FOFIL_SIR_LOPM_2_20190213T1700000000000000000000000000000000000		Backscatter Averaging Status	more records.
Backscatter Averaging Status Spirt J. Sirt, J. OPM 2, 20190213714092 (20190213714304) Spirt J. Sirt, J. OPM 2, 20190213714092 (20190213714307) Spirt J. Sirt, J. OPM 2, 20190213714092 (20190213714407) Spirt J. Sirt, J. OPM 2, 20190213714092 (20190213714407) Spirt J. Sirt, J. OPM 2, 20190213714002 (20190213714407) Spirt J. Sirt, J. OPM 2, 20190213714007 (20190213714007) Spirt J. Sirt, J. OPM 2, 20190213716007 (201	CS_OFFL_SIR_IOPM_2_20190213T124703_20190213T125419_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_201902137143098_20190213714305 CS_OFFL_SIR_IOPM_2_201902137144040_20190213714305 CS_OFFL_SIR_IOPM_2_201902137143149_201902137143906_2010 SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The 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 Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging St	CS_OFFL_SIR_IOPM_2_20190213T131307_20190213T131551_C001	Backscatter Averaging Status	more records.
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CS_OFFL_SIR_IOPM_2_20190213T170802_20190213T172832_C001 CS_OFFL_SIR_IOPM_2_20190213T172334_20190213T172832_C001 CS_OFFL_SIR_IOPM_2_20190213T173739_20190213T174830_C001 CS_OFFL_SIR_IOPM_2_20190213T175435_20190213T180556_C001 CS_OFFL_SIR_IOPM_2_20190213T184526_20190213T190031_C001 CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190031_C001 CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190745_C001 CS_OFFL_SIR_IOPM_2_20190213T190359_20190213T193748_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212158_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204665_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204665_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204669_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T205009_C00100000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20190213T165222_20190213T170359_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190213T172334_20190213T172832_C001 ce Backscatter Averaging Status 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 Flag has been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more records. The Ice Backscatter Averaging Status Flag have been set for one or more	CS_OFFL_SIR_IOPM_2_20190213T170602 20190213T172151 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190213T173739_20190213T174830_C001 SWH Averaging Status, Ocean Backscatter Averaging Status (Summer records). SWH Averaging Status (Summer records). The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The 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 f			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T175435_20190213T180556_C001 CS_OFFL_SIR_IOPM_2_20190213T184526_20190213T190031_C001 CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190745_C001 CS_OFFL_SIR_IOPM_2_20190213T191359_20190213T193748_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203700_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203700_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203700_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T20466 C001 CS_OFFL_SIR_IOPM_2_20190213			
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CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190745_C001 CS_OFFL_SIR_IOPM_2_20190213T191359_20190213T193748_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203701_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T21214266_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T2121466_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T2121466_C001	CS_OFFL_SIR_IOPM_2_20190213T175435_20190213T180556_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T19074S_C001 CS_OFFL_SIR_IOPM_2_20190213T191359_20190213T193748_C001 CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The 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.	CS_OFFL_SIR_IOPM_2_20190213T184526_20190213T190031_C001		more records.
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T203701_20190213T204035_C001 CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20190213T190256_20190213T190745_C001		records.
CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status SWH Averaging Status 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. SWH Averaging Status, Ocean Backscatter Averaging Status Flag has been set for one or more records. The SWH and Ocean Averaging Status Flag have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20190213T191359_20190213T193748_C001		
CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001 SWH Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records. SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The 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.	CS_OFFL_SIR_IOPM_2_20190213T201548_20190213T203700_C001	SWH Averaging Status, Ocean	
CS_OFFL_SIR_IOPM_2_20190213T204327_20190213T204659_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20190213T203711_20190213T204035_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190213T205309_20190213T212159_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status Backscatter Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190213T215133_20190213T221946_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	00_011 E_011_101 1M1_Z_20190Z131Z13133_Z0190Z131ZZ1940_0001	Backscatter Averaging Status	

CS_OFFL_SIR_IOPM_2_20190213T223258_20190213T224427_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_20190213T225003_20190213T230751_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_20190213T235301_20190213T235423_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_20190213T235623_20190213T235931_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_20190213T041103_20190213T041337_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190213T073853_20190213T074054_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_20190213T145246_20190213T145338_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_20190213T231831_20190213T231855_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_20190213T042158_20190213T042203_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_20190213T074054_20190213T074100_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

6. 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.

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190213T000658_20190213T005636_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_220190213T005636_20190213T014612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T014612_20190213T023549_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_220190213T023549_20190213T032525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T032525_20190213T041502_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_220190213T041502_20190213T050439_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_220190213T050439_20190213T055416_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_220190213T055416_20190213T064352_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_220190213T064352_20190213T073330_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T073330_20190213T082306_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_220190213T082306_20190213T091243_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_220190213T091243_20190213T100220_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_220190213T100220_20190213T105157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T105157_20190213T114133_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_2_20190213T114133_20190213T123110_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_220190213T123110_20190213T132047_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_220190213T132047_20190213T141024_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T141024_20190213T150000_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_220190213T150000_20190213T154937_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_220190213T154937_20190213T163914_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T163914_20190213T172851_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_220190213T172851_20190213T181827_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_220190213T181827_20190213T190805_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_220190213T190805_20190213T195741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T195741_20190213T204718_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_220190213T204718_20190213T213654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190213T213654_20190213T222632_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_220190213T222632_20190213T231608_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_2_20190213T231608_20190214T000545_C002	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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190213T000658_20190213T005636_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_2_20190213T005636_20190213T014612_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_2_20190213T014612_20190213T023549_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_2_20190213T023549_20190213T032525_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_2_20190213T032525_20190213T041502_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_2_20190213T041502_20190213T050439_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_2_20190213T050439_20190213T055416_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_2_20190213T055416_20190213T064352_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_2_20190213T064352_20190213T073330_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_2_20190213T073330_20190213T082306_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_2_20190213T082306_20190213T091243_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_2_20190213T091243_20190213T100220_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_2_20190213T100220_20190213T105157_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_2_20190213T105157_20190213T114133_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_2_20190213T114133_20190213T123110_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_2_20190213T123110_20190213T132047_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_2_20190213T132047_20190213T141024_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_2_20190213T141024_20190213T150000_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_2_20190213T150000_20190213T154937_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_2_20190213T154937_20190213T163914_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_2_20190213T163914_20190213T172851_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_220190213T172851_20190213T181827_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_220190213T181827_20190213T190805_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_220190213T190805_20190213T195741_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_220190213T195741_20190213T204718_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_220190213T204718_20190213T213654_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_220190213T213654_20190213T222632_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_220190213T222632_20190213T231608_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_220190213T231608_20190214T000545_C002	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.

Number of products with errors:

Product Test Failed CS_OFFL_SIR_IOP_2__20190213T000658_20190213T005636_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20190213T005636 20190213T014612 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T014612_20190213T023549_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T023549_20190213T032525_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20190213T032525 20190213T041502 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T041502_20190213T050439_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T050439_20190213T055416_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T055416_20190213T064352_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS_OFFL_SIR_IOP_2__20190213T064352_20190213T073330_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T073330_20190213T082306_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20190213T082306 20190213T091243 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T091243_20190213T100220_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T105157_20190213T114133_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T123110_20190213T132047_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T132047_20190213T141024_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T141024_20190213T150000_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T150000_20190213T154937_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T154937_20190213T163914_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T163914_20190213T172851_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T172851_20190213T181827_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T181827_20190213T190805_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T190805_20190213T195741_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T195741_20190213T204718_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T204718_20190213T213654_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T213654_20190213T222632_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T222632_20190213T231608_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20190213T231608_20190214T000545_C002 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.