



1. Overview

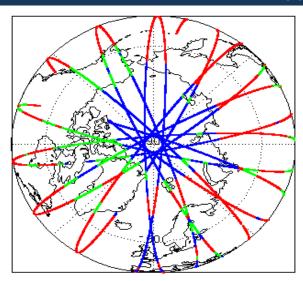
Report Production:	13-Aug-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

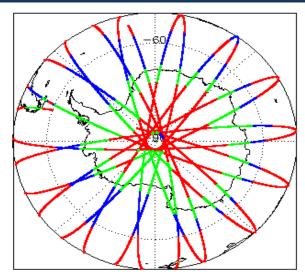
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

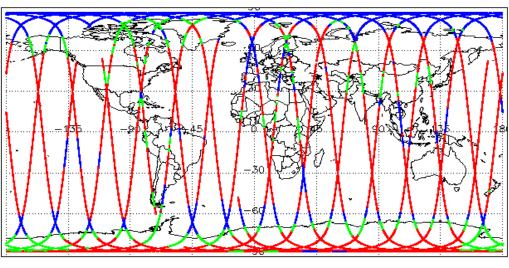
Mission / Instrument News		
07-Aug-2018	None	
08-Aug-2018	None	

09-Aug-2018 Nothing planned

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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180808T180956_20180808T181405_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180808T013410_20180808T014854_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180808T041013_20180808T041925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180808T092540_20180808T093554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180808T122158_20180808T125759_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T030041_20180808T030205_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T030404_20180808T030619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T040725_20180808T041013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T162333_20180808T162418_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T162436_20180808T162551_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T175831_20180808T175853_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T185435_20180808T185721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T211603_20180808T211651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180808T212638_20180808T212810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T080827_20180808T080901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T084639_20180808T084914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T095802_20180808T100121_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T151818_20180808T152210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T152248_20180808T152300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180808T224826_20180808T225317_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: 0

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180808T180956_20180808T181405_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 83

Number of products with errors:

Product Test Failed Description The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180807T235554_20180808T003058_C001 Ocean Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T003419_20180808T003915_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T003936 20180808T004300 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T005015_20180808T012152_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T012352_20180808T012602_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T013410 20180808T014854 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T015335 20180808T021029 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T021301 20180808T021813 C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T021849_20180808T022023_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T022814_20180808T024153_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T024407_20180808T030041_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T032335_20180808T033355_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T033535_20180808T034915_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T035223_20180808T035724_C001 Ice Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T035731_20180808T035742_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T040559_20180808T040725_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T041013 20180808T041925 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T042254 20180808T042745 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T050633_20180808T052727_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T053257 20180808T053640 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T054406 20180808T060834 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T064322_20180808T070712_C001 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T071039 20180808T071554 C001 Ice Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T072319_20180808T073356_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T073934 20180808T075608 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T080901_20180808T081607_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T081640_20180808T083300_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T083302 20180808T083751 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T084229_20180808T084639_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T085039_20180808T085629_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T090419 20180808T092528 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T092540_20180808T093554_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T094748 20180808T095005 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T101122_20180808T102429_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T103009_20180808T103520_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T104225_20180808T110332_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T110617 20180808T111751 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T112709_20180808T112939_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T114613 20180808T120427 C001 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T121158_20180808T121422_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T122158_20180808T125759_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T130937 20180808T132920 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T132933_20180808T134218_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T135517_20180808T135833_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180808T140059 20180808T141554 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T141757_20180808T142749_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180808T144958_20180808T150634_C001 Ocean Range Averaging Status

CS_OFFL_SIR_IOPM_2_20180808T152300_20180808T152351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T153002_20180808T153250_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T153304_20180808T153734_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T154026_20180808T155421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T155600_20180808T155700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T162906_20180808T163126_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T164123_20180808T170413_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T170803_20180808T171637_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T172001_20180808T174418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T181604_20180808T183016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T183245_20180808T184335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T185016_20180808T185434_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T185928_20180808T192524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T193050_20180808T193718_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T195104_20180808T200628_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T201200_20180808T202116_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T202928_20180808T203514_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T203836_20180808T204256_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T212810_20180808T220117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T220833_20180808T221345_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T221923_20180808T223454_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T225317_20180808T225458_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T230514_20180808T233527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T233538_20180808T234018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T234644_20180808T234832_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T234839_20180808T235252_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T040725_20180808T041013_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T134859_20180808T135133_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T153251_20180808T153304_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T185435_20180808T185721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T085944_20180808T090418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T093934_20180808T094611_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T103823_20180808T104225_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T130406_20180808T130520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T161724_20180808T162332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T202116_20180808T202539_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180807T235554_20180808T003058_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_20180808T003419_20180808T003915_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T003936_20180808T004300_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T005015_20180808T012152_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_20180808T012352_20180808T012602_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T013410_20180808T014854_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_20180808T015335_20180808T021029_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

	I	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T021301_20180808T021813_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180808T021849_20180808T022023_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T022814_20180808T024153_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_20180808T024407_20180808T030041_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_20180808T032335_20180808T033355_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_20180808T033535_20180808T034915_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T035223_20180808T035724_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T035731_20180808T035742_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T040559_20180808T040725_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T041013_20180808T041925_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T042254_20180808T042745_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T050633_20180808T052727_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180808T053257_20180808T053640_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T054406_20180808T060834_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_20180808T064322_20180808T070712_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_20180808T071039_20180808T071554_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T072319_20180808T073356_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_20180808T073934_20180808T075608_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T080901_20180808T081607_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T081640_20180808T083300_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T083302_20180808T083751_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T084229_20180808T084639_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180808T085039_20180808T085629_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T090419_20180808T092528_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_20180808T092540_20180808T093554_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_20180808T094748_20180808T095005_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_20180808T101122_20180808T102429_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T103009_20180808T103520_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T104225_20180808T110332_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T110617_20180808T111751_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR IOPM 2 20180808T112709 20180808T112939 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T114613_20180808T120427_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T121158_20180808T121422_C001	Ice Backscatter Averaging Status	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T122158_20180808T125759_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180808T130937_20180808T132920_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_20180808T132933_20180808T134218_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_20180808T140059_20180808T141554_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_20180808T141757_20180808T142749_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_20180808T144524_20180808T144720_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T144958_20180808T150634_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_20180808T152300_20180808T152351_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T153002_20180808T153250_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T153304_20180808T153734_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180808T154026_20180808T155421_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T155600_20180808T155700_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T162906_20180808T163126_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180808T164123_20180808T170413_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180808T170803_20180808T171637_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T172001_20180808T174418_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_20180808T181604_20180808T183016_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_20180808T183245_20180808T184335_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	0 0	

CS_OFFL_SIR_IOPM_2_20180808T185016_20180808T185434_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T185928_20180808T192524_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T193050_20180808T193718_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T195104_20180808T200628_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T201200_20180808T202116_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T202928_20180808T203514_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T203836_20180808T204256_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T212810_20180808T220117_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T220833_20180808T221345_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T221923_20180808T223454_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T225317_20180808T225458_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T230514_20180808T233527_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T233538_20180808T234018_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T234644_20180808T234832_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180808T234839_20180808T235252_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T040725_20180808T041013_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T134859_20180808T135133_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T153251_20180808T153304_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180808T185435_20180808T185721_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T085944_20180808T090418_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T093934_20180808T094611_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T103823_20180808T104225_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T130406_20180808T130520_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T161724_20180808T162332_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180808T202116_20180808T202539_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 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). 0

58

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180808T180105_20180808T185045_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

CS_OFFL_SIR_JOP_2_20180808T03495_2018008T021829_C001 CS_OFFL_SIR_JOP_2_20180808T03492_2018008T021829_C001 CS_OFFL_SIR_JOP_2_0180808T021829_2018008T021829_C001 CS_OFFL_SIR_JOP_2_0180808T021829_2018008T021829_C001 CS_OFFL_SIR_JOP_2_0180808T021829_2018008T021829_C001 CS_OFFL_SIR_JOP_2_0180808T021829_2018008T041829_C001 CS_OFFL_SIR_JOP_2_0180808T03603_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03603_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03603_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T03693_C001 CS_OFFL_SIR_JOP_2_0180808T03693_20180085T04450_C001 CS_OFFL_SIR_JOP_2_0180808T104400_C001 CS_OFFL_SIR_JOP_2_0180808T104400_C001 CS_OFFL_SIR_JOP_2_0180808T104400_C001 CS_OFFL_SIR_JOP_2_0180808T104400_C001 CS_OFFL_SIR_JOP_2_0180808T1141000_C001 CS_OFFL_SIR_JOP_2_0180808T11410000_C001 CS_OFFL_SIR_JOP_2_0180808T11410000000000000000000000000000	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180808T003915_2018008T012929_COOT CS_OFFL_SIR_IOP_2_20180808T021829_2018008T021829_COOT CS_OFFL_SIR_IOP_2_20180808T021829_2018008T038003_COOT CS_OFFL_SIR_IOP_2_20180808T021829_2018008T038003_COOT CS_OFFL_SIR_IOP_2_20180808T021829_2018008T038003_COOT CS_OFFL_SIR_IOP_2_20180808T036742_2018008T036505_COOT CS_OFFL_SIR_IOP_2_20180808T04716_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T065050_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T065050_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T085053_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T004457_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T004457_COOT CS_OFFL_SIR_IOP_2_20180808T036305_018008T004457_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104435_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104430_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T104437_COOT CS_OFFL_SIR_IOP_2_20180808T	CS OFFI SID IOD 2 20190907T224026 20190909T00201E C001	Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
So GPFL_SIR_JOP_2_20160008T02482_20160008T02482_C001 CS_OFFL_SIR_JOP_2_20160008T02482_20160008T02482_C001 CS_OFFL_SIR_JOP_2_20160008T02482_20160008T02482_C001 CS_OFFL_SIR_JOP_2_20160008T02482_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024716_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024716_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024716_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024716_20160008T024716_C001 CS_OFFL_SIR_JOP_2_20160008T024836_C001 CS_OFFL_SIR_JOP_2_20160008T024836_C001 CS_OFFL_SIR_JOP_2_20160008T02457_C001 CS_OFFL_SIR_JOP_2_20160008T102457_C001 CS_OFFL_SIR_JOP_2_20160	C5_OFFL_SIR_IOF_2201608071234936_201608061003915_C001		
CS_OFFL_SIR_JOP_2_201808081024329_201808081030842_C001 CS_OFFL_SIR_JOP_2_201808081030842_201808081030842_C001 CS_OFFL_SIR_JOP_2_201808081030842_201808081030842_C001 CS_OFFL_SIR_JOP_2_201808081034716_C001 CS_OFFL_SIR_JOP_2_201808081034716_C001 CS_OFFL_SIR_JOP_2_20180808103472_01808081094716_C001 CS_OFFL_SIR_JOP_2_20180808103472_01808081094716_C001 CS_OFFL_SIR_JOP_2_20180808103472_01808081094716_C001 CS_OFFL_SIR_JOP_2_20180808109477_01808081094716_C001 CS_OFFL_SIR_JOP_2_2018080810947_016_20180808109437_C001 CS_OFFL_SIR_JOP_2_20180808109437_201808081109437_C001 CS_OFFL_SIR_JOP_2_201808081109437_201808081109437_C001 CS_OFFL_SIR_JOP_2_201808081109437_201808081109437_C001 CS_OFFL_SIR_JOP_2_201808081112411_C01808081129304_C001 CS_OFFL_SIR_JOP_2_201808081112411_201808081129304_C001 CC_OCAR Range Averaging Status CC_OCAR Range	CS_OFFL_SIR_IOP_220180808T003915_20180808T012849_C001	Range Averaging Status	or more records.
CS_OFFL_SIR_IOP_2_21080081703083_21080081703574_C001 CS_OFFL_SIR_IOP_2_210800807035742_201080081703574_C001 CS_OFFL_SIR_IOP_2_210800807035742_2010800807035742_C001 CS_OFFL_SIR_IOP_2_210800807035742_2010800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035742_2010800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035762_201800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035762_01800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035762_01800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035762_01800807035762_C001 CS_OFFL_SIR_IOP_2_210800807035763_01800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_01800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_01800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_01800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807035763_C001 CS_OFFL_SIR_IOP_2_210800807103437_201800807103437_C001 CS_OFFL_SIR_IOP_2_210800807103437_201800807112411_C001 CS_OFFL_SIR_IOP_2_210800807103437_201800807112411_C001 CS_OFFL_SIR_IOP_2_210800807103437_201800807112411_C001 CS_OFFL_SIR_IOP_2_210800807112413_01800807112411_C001 CS_OFFL_SI	CS_OFFL_SIR_IOP_220180808T012849_20180808T021829_C001		
CS_OFFL_SIR_IOP_2_20180080T034742_20180080T03476_C001 CS_OFFL_SIR_IOP_2_20180080T034716_20180080T034866_C001 CS_OFFL_SIR_IOP_2_20180080T034566_20180080T036866_C001 CS_OFFL_SIR_IOP_2_20180080T036866_20180080T036866_C001 CS_OFFL_SIR_IOP_2_20180080T036866_20180080T036866_C001 CS_OFFL_SIR_IOP_2_20180080T036866_20180080T036866_C001 CS_OFFL_SIR_IOP_2_20180080T03686_20180080T03686_C001 CS_OFFL_SIR_IOP_2_20180080T03686_20180080T03686_C001 CS_OFFL_SIR_IOP_2_20180080T03686_20180080T03686_C001 CS_OFFL_SIR_IOP_2_20180080T03686_20180080T03686_C001 CS_OFFL_SIR_IOP_2_20180080T036522_20180080T03647_C001 CS_OFFL_SIR_IOP_2_20180080T036522_20180080T0347_C001 CS_OFFL_SIR_IOP_2_20180080T0347_20180080T13431_C001 CS_OFFL_SIR_IOP_2_20180080T13437_C00180080T13431_C001 CS_OFFL_SIR_IOP_2_20180080T134324_C001 CS_OFFL_SIR_IOP_2_20180080T134324_C001 CS_OFFL_SIR_IOP_2_20180080T133324_C001 CS_OF	CS_OFFL_SIR_IOP_220180808T021829_20180808T030803_C001		
CS_OFFL_SIR_IOP_2_20180808T04916_20180808T095356_COO1 CS_OFFL_SIR_IOP_2_20180808T035365_20180808T07610_COO1 CS_OFFL_SIR_IOP_2_20180808T035365_20180808T095350_COO1 CS_OFFL_SIR_IOP_2_20180808T07610_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T07610_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T07610_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T085530_COO1 CS_OFFL_SIR_IOP_2_20180808T103437_COO1 CS_OFFL_SIR_IOP_2_20180808T103437_COO1 CS_OFFL_SIR_IOP_2_20180808T103437_COO1 CS_OFFL_SIR_IOP_2_20180808T12411_20180808T12350_COO1 CS_OFFL_SIR_IOP_2_20180808T12350_COO1 CS_OFFL_SIR_IOP_2_20180808T12350_COO1 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142413_CO01 CS_OFFL_SIR_IOP_2_20180808T142430_CO01 CS_OFFL_SIR_IOP_2_20180808T142430_CO01 CS_OFFL_SIR_IOP_2_20180808T142430_CO01 CS_OFFL_SIR_IOP_2_20180808T142430_CO01 CS_OFFL_SIR_IOP_2_20180808T142438_CO01 CS_OFFL_SIR_IOP_2_20180808T140418_C0048085180405_CO01 CS_OFFL_SIR_IOP_	CS_OFFL_SIR_IOP_220180808T030803_20180808T035742_C001		
Range Averaging Status Common records CS_OFFL_SIR_IOP_2_20180808T058366_20180808T062830_C0018 CS_OFFL_SIR_IOP_3_20180808T062830_20180808T071610_C0018 CS_OFFL_SIR_IOP_3_20180808T071610_20180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T080843_C00180808T086523_C00180808T1086523_C00180808T086523_C00180808T086523_C00180808T086523_C00180808T1086523_C00180808T1086523_C00180808T1086523_C00180808T108652_C0	CS_OFFL_SIR_IOP_220180808T035742_20180808T044716_C001	Ocean Range Averaging Status	
Range Averaging Slatus Ce Ce Ce Ce Ce Ce Ce C	CS_OFFL_SIR_IOP_220180808T044716_20180808T053656_C001		
CS_OFFL_SIR_IOP_2_20180808T104529_20180808T104525_C001 CS_OFFL_SIR_IOP_2_20180808T080543_20180808T085523_C001 CS_OFFL_SIR_IOP_2_20180808T080543_20180808T09467_C001 CS_OFFL_SIR_IOP_2_20180808T08523_20180808T09467_C001 CS_OFFL_SIR_IOP_2_20180808T08523_20180808T09467_C001 CS_OFFL_SIR_IOP_2_20180808T094467_20180808T10437_C001 CS_OFFL_SIR_IOP_2_20180808T10437_C0180808T112411_C001 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T112411_C001 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T112415_C001 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T112435_C001 CS_OFFL_SIR_IOP_2_20180808T112435_C001 CS_OFFL_SIR_IOP_2_20180808T112435_C001 CS_OFFL_SIR_IOP_2_20180808T112435_C001 CS_OFFL_SIR_IOP_2_20180808T14238_2001 CS_OFFL_SIR_IOP_2_20180808T14238_2001 CS_OFFL_SIR_IOP_2_20180808T14238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T1449019_C0180808T203856_C001 CS_OFFL_SIR_IOP_2_20180808T1449019_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T213932_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T239312_C001 CS_OFFL_SIR_IOP_2_20180808T193324_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T193324_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T193324_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T193324_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T193324_C0180808T225846_C001 CS_OFFL_SIR_IOP_2_	CS_OFFL_SIR_IOP_220180808T053656_20180808T062630_C001	Range Averaging Status	or more records.
Range Averaging Status. Ce Range Averaging Status lee Range Averaging Statu	CS_OFFL_SIR_IOP_220180808T062630_20180808T071610_C001	Range Averaging Status	
Range Averaging Status or more records. The Ocean and loc Range Averaging Status or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean Range Averaging Status Flags have been set for one or more records. The Ocean and loc Range Averaging Status Flags have been set for one or more records. The Ocean and loc Range Averaging Status Flags have been set for one or more records. The Ocean and loc Range Averaging Status Flags have been set for one or more records. The Ocea	CS_OFFL_SIR_IOP_220180808T071610_20180808T080543_C001	Range Averaging Status	or more records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T094457_20180808T1103437_C001 CS_OFFL_SIR_IOP_2_20180808T103437_20180808T112411_C001 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T121350_C001 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T121350_C001 CS_OFFL_SIR_IOP_2_20180808T121350_20180808T130324_C001 CS_OFFL_SIR_IOP_2_20180808T130324_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T14515217_C001 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T16111131_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T16111131_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T16111131_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T165045_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T165045_20180808T1932_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T125346_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T2195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T2195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T2195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T22958_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T22958_C001 CS_OFFL_SIR_IOP_2_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_C001 CS_OFFL_SIR_IOP_2_20180808T195045_C001 CS_OFFL_SIR_I	CS_OFFL_SIR_IOP_220180808T080543_20180808T085523_C001	Range Averaging Status	or more records.
Range Averaging Status CS_OFFL_SIR_IOP_2_20180808T103437_20180808T112411_C0011 CS_OFFL_SIR_IOP_2_20180808T112411_20180808T121350_C0011 CS_OFFL_SIR_IOP_2_20180808T112450_20180808T121350_C0011 CS_OFFL_SIR_IOP_2_20180808T121350_20180808T130324_C0001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T135304_C0001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T135304_C0001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T144238_C0001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C0011 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C0011 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C0011 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T162151_C0011 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C0011 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C0011 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T180105_C0011 CS_OFFL_SIR_IOP_2_20180808T17131_20180808T180105_C0011 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T180105_C0011 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T180105_C0011 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T194019_C0011 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T20958_C0011 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T20958_C0011 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T20958_C0011 CS_OFFL_SIR_IOP_2_20180808T20958_20180808T20958_C0011 CS_OFFL_SIR_IOP_2_20180808T20958_20180808T209912_C0011 CS_OFFL_SIR_IOP_2_20180808T20958_20180808T209912_C0011 CS_OFFL_SIR_IOP_2_20180808T20958_20180808T209912_C0011 CS_OFFL_SIR_IOP_2_20180808T209912_20180808T25846_C0011 CS_OFFL_SIR_IOP_2_20180808T209912_20180808T258	CS_OFFL_SIR_IOP_220180808T085523_20180808T094457_C001	Range Averaging Status	or more records.
CS_OFFL_SIR_IOP_2_20180808T121350_20180808T123150_C001 CS_OFFL_SIR_IOP_2_20180808T121350_20180808T130324_C001 CS_OFFL_SIR_IOP_2_20180808T123350_20180808T130324_C001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T153217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T17131_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202985_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202985_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T234	CS_OFFL_SIR_IOP_220180808T094457_20180808T103437_C001		
CS_OFFL_SIR_IOP_2_20180808T121350_20180808T130324_C001 CS_OFFL_SIR_IOP_2_20180808T130324_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T135217_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T153217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T152217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162152 CS_OFFL_SIR_IOP_2_20180808T1931_C001 CS_OFFL_SIR_IOP_2_20180808T19304_C001 CS_OFFL_SIR_IOP_2_20180808T19304_C001 CS_OFFL_SIR_IOP_2_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_C0180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T221932_20180808T21932_C001 CS_OFFL_SIR_IOP_2_20180808T221932_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_C001 CCean Range Averaging Status, Ice Range Averaging Status Flage have been set for one or more records. CS_OFFL_SIR_IOP_2_20180808T225846_C001 CCEAN Range Averaging Status CCEAN Range A	CS_OFFL_SIR_IOP_220180808T103437_20180808T112411_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOP_2_20180808T130324_20180808T135304_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T135304_20180808T144238_C001 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T153217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T195045_20180808T21932_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T2125846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T25846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T25846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T25846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T25846_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T25846_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T25846_C001	CS_OFFL_SIR_IOP_220180808T112411_20180808T121350_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOP_2_20180808T14238_20180808T14238_C001 CS_OFFL_SIR_IOP_2_20180808T14238_20180808T14238_C001 CS_OFFL_SIR_IOP_2_20180808T14238_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T223846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T2334938_20180808T23500 CS_OFFL_SIR_IOP_2_20180808T235465_C001 CS_OFFL_SIR_IOP_2	CS_OFFL_SIR_IOP_220180808T121350_20180808T130324_C001	Ocean Range Averaging Status	records.
Range Averaging Status CS_OFFL_SIR_IOP_2_20180808T144238_20180808T153217_C001 CS_OFFL_SIR_IOP_2_20180808T144238_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T153217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T1932_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T221932_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_C001	CS_OFFL_SIR_IOP_220180808T130324_20180808T135304_C001		records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T153217_20180808T162151_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234	CS_OFFL_SIR_IOP_220180808T135304_20180808T144238_C001	Range Averaging Status	or more records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T162151_20180808T171131_C001 CS_OFFL_SIR_IOP_2_20180808T171131_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T21932_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T21932_C001 CS_OFFL_SIR_IOP_2_20180808T21932_20180808T229912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T22584	CS_OFFL_SIR_IOP_220180808T144238_20180808T153217_C001	Range Averaging Status	or more records.
Range Averaging Status CS_OFFL_SIR_IOP_2_20180808T180105_20180808T180105_C001 CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202912_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T201912_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202912_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T202912_C001 CS_OFFL_SIR_IOP_2_20180808T20912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_C001 CS_OFFL_SIR_IOP_2_10180808T225846_C001	CS_OFFL_SIR_IOP_220180808T153217_20180808T162151_C001	Range Averaging Status	or more records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T185045_C001 CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T25846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T234825_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T234825_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T234825_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T234825_C001 CS_OFFL_SIR_IOP_2_2018	CS_OFFL_SIR_IOP_220180808T162151_20180808T171131_C001	Range Averaging Status	or more records.
Range Averaging Status CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001 CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T234	CS_OFFL_SIR_IOP_220180808T171131_20180808T180105_C001	Range Averaging Status	or more records.
CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001 CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234825_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234825_C001	CS_OFFL_SIR_IOP_2_20180808T180105_20180808T185045_C001		or more records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001 CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T221932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2358_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T234835_20180808T2003550_C003 CS_OFFL_SIR_IOP_3_20180808T2003550_C003 CS_OFFL_S	CS_OFFL_SIR_IOP_2_20180808T185045_20180808T194019_C001		records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T221932_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T220912_C001 CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T234825_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_30180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_30180808T234825_C001 CS_OFFL_SIR_IOP_2_30180808T234825_C00	CS_OFFL_SIR_IOP_2_20180808T194019_20180808T202958_C001	Range Averaging Status	or more records.
CS_OFFL_SIR_IOP_2_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T225846_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_30180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_30180808T234825_0018	CS_OFFL_SIR_IOP_2_20180808T202958_20180808T211932_C001		or more records.
Range Averaging Status or more records. CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001 Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status Flags have been set for one or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. The Ocean and Ice Range Averaging Status Flags have been set for one or more records. The Ocean and Ice Range Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOP_2_20180808T211932_20180808T220912_C001		records.
Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one	CS_OFFL_SIR_IOP_2_20180808T220912_20180808T225846_C001	Range Averaging Status	or more records.
	CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001	Range Averaging Status	or more records.
	CS_OFFL_SIR_IOP_220180808T234825_20180809T003759_C002		

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors: 30

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180807T234936_20180808T003915_C001	IBackscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T003915_20180808T012849_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T012849_20180808T021829_C001	IBackscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T021829_20180808T030803_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T030803_20180808T035742_C001	IBackscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T035742_20180808T044716_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T044716_20180808T053656_C001	IBackscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_IOP_220180808T053656_20180808T062630_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_220180808T062630_20180808T071610_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T071610_20180808T080543_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T080543_20180808T085523_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T085523_20180808T094457_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T094457_20180808T103437_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T103437_20180808T112411_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T112411_20180808T121350_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T121350_20180808T130324_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T130324_20180808T135304_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T135304_20180808T144238_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T144238_20180808T153217_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T153217_20180808T162151_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T162151_20180808T171131_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T171131_20180808T180105_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T180105_20180808T185045_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T185045_20180808T194019_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T194019_20180808T202958_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T202958_20180808T211932_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T211932_20180808T220912_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T220912_20180808T225846_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T225846_20180808T234825_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180808T234825_20180809T003759_C002	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.

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	Description
CS_OFFL_SIR_IOP_220180807T234936_20180808T003915_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T003915_20180808T012849_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T012849_20180808T021829_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T021829_20180808T030803_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T030803_20180808T035742_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T035742_20180808T044716_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T062630_20180808T071610_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T071610_20180808T080543_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T080543_20180808T085523_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T085523_20180808T094457_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T094457_20180808T103437_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T103437_20180808T112411_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T112411_20180808T121350_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180808T121350_20180808T130324_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T130324_20180808T135304_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T135304_20180808T144238_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T144238_20180808T153217_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T153217_20180808T162151_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T162151_20180808T171131_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T171131_20180808T180105_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T180105_20180808T185045_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T185045_20180808T194019_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T194019_20180808T202958_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T202958_20180808T211932_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180808T211932_20180808T220912_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180808T225846_20180808T234825_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.