



1. Overview

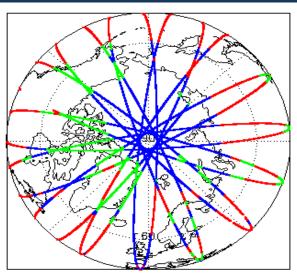
Report Production:	13-May-2019	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

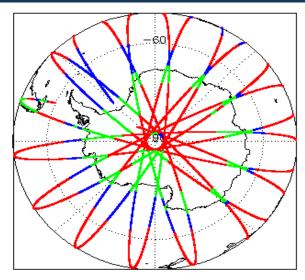
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

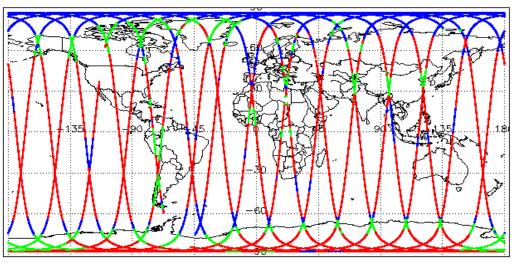
Mission / Instrument News		
07-May-2019	None	
08-May-2019	None	

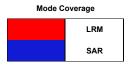
09-May-2019 Nothing planned

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:

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:

23

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190508T011815_20190508T012738_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190508T142334_20190508T142737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T020701_20190508T021318_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T021747_20190508T022230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T032357_20190508T032953_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T064608_20190508T065016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T113540_20190508T113648_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T131345_20190508T131602_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T144928_20190508T145440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190508T231602_20190508T231755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T000006_20190508T000427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T032953_20190508T033213_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T045750_20190508T045847_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T045917_20190508T050410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T063609_20190508T064608_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T080409_20190508T080456_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T094406_20190508T094436_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T094931_20190508T095349_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T131255_20190508T131345_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T141733_20190508T141828_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T180955_20190508T181734_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T181807_20190508T181922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190508T222739_20190508T222820_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:

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:

2

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190508T015421_20190508T020640_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20190508T161923_20190508T162717_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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:

74

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190508T001056_20190508T002827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T003001_20190508T004404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T005151_20190508T005353_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T005457_20190508T005855_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T010053_20190508T011613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T011814_20190508T012738_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T014550_20190508T014654_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T015421_20190508T020640_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T021318_20190508T021746_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T022231_20190508T022604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T022954_20190508T023757_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T024032_20190508T025521_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T033213_20190508T040526_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T041110_20190508T041641_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T042012_20190508T044430_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T051607_20190508T052741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T053318_20190508T054412_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T055040_20190508T055524_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T055835_20190508T062649_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T063510_20190508T063609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T065016_20190508T072304_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T072950_20190508T073521_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T073741_20190508T074309_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T081416_20190508T081625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T082903_20190508T090243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T090852_20190508T091405_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T091704_20190508T093548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T100729_20190508T104102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T104435_20190508T104851_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T104910_20190508T105305_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T105720_20190508T113127_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T114751_20190508T115831_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T120432_20190508T122036_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T122232_20190508T122750_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T123826_20190508T125130_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T125344_20190508T130626_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T133307_20190508T134331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T134511_20190508T135921_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T140158_20190508T140701_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T140725_20190508T140840_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T142334_20190508T142736_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T143413_20190508T143722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T143845_20190508T144556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T151732_20190508T153759_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T154212_20190508T154617_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190008T172005_20190098T172031_COID CS_OFFL_SIR_IOPM_2_20190008T172005_20190098T172331_COID CS_OFFL_SIR_IOPM_2_20190008T172005_20190098T172331_COID CS_OFFL_SIR_IOPM_2_20190008T172005_20190098T182035_COID CS_OFFL_SIR_IOPM_2_20190008T172005_20190098T180305_COID CS_OFFL_SIR_IOPM_2_20190008T180005_20190098T180305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T180305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T190005_20190098T190305_COID CS_OFFL_SIR_IOPM_2_20190008T200305_20190098T200305_COID CS_OFFL_SIR_IOPM_2_20190008T200305_20190098T200305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_20190098T200305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_20190098T200305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_20190098T20305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_COID CS_OFFL_SIR_IOPM_2_20190008T20305_COID CS_OFFL_SIR_IOPM_2_20190008T20305	CS_OFFL_SIR_IOPM_2_20190508T155256_20190508T161845_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_LOPM_2_20190508T172304_20190508T174304_20190508T184532_C001 CS_OFFL_SIR_LOPM_2_20190508T174904_20190508T184532_C001 CS_OFFL_SIR_LOPM_2_20190508T180454_20190508T184532_C001 CS_OFFL_SIR_LOPM_2_20190508T180454_20190508T184532_C001 CS_OFFL_SIR_LOPM_2_20190508T180454_20190508T180454_C001 CS_OFFL_SIR_LOPM_2_20190508T180454_20190508T180454_C001 CS_OFFL_SIR_LOPM_2_20190508T180508_20190508T180454_C001 CS_OFFL_SIR_LOPM_2_20190508T180508_20190508T180504_C001 CS_OFFL_SIR_LOPM_2_20190508T19145_20190508T190814_C001 CS_OFFL_SIR_LOPM_2_20190508T19145_20190508T190508T_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T202620_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T2002620_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T20068T_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T20068T_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T20068T_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T20068T_C001 CS_OFFL_SIR_LOPM_2_20190508T20014_20190508T20014_C0010068T2	CS_OFFL_SIR_IOPM_2_20190508T165431_20190508T171807_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_LOPM_2_20190508171491_201905081190454_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. S. OFFL SIR_IOPM_2 201905081205182 20190508121311 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. S. OFFL SIR_IOPM_2 201905081205182 20190508122310 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. S. OFFL SIR_IOPM_2 20190508122300 20190508122310 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20190508T172005_20190508T172531_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T198152_0190508T19853_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Fla	CS_OFFL_SIR_IOPM_2_20190508T173234_20190508T174332_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T185155_20190508T198533_C001 CS_OFFL_SIR_IOPM_2_20190508T190508T190510_C001 CS_OFFL_SIR_IOPM_2_20190508T190508T190508T0005 C001 CS_OFFL_SIR_IOPM_2_20190508T190508T190508T0005 C001 CS_OFFL_SIR_IOPM_2_20190508T19145_20190508T195342_C001 CS_OFFL_SIR_IOPM_2_20190508T195854_20190508T195342_C001 CS_OFFL_SIR_IOPM_2_20190508T195854_20190508T0005T0005 C00005T0005T0005T0005T0005T00	CS_OFFL_SIR_IOPM_2_20190508T174910_20190508T180454_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_IOPM_2_20190508T195942_20190508T19594_C001 CS_OFFL_SIR_IOPM_2_20190508T202832_C001 CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T202830_C001 CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T202830_C001 CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T202830_C001 CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T20834_C001 CS_OFFL_SIR_IOPM_2_20190508T203341_20190508T20457_C001 CS_OFFL_SIR_IOPM_2_20190508T203341_20190508T20457_C001 CS_OFFL_SIR_IOPM_2_20190508T203341_20190508T211311_C001 CS_OFFL_SIR_IOPM_2_20190508T201362_0190508T211311_C001 CS_OFFL_SIR_IOPM_2_20190508T2013700_20190508T214132_C001 CS_OFFL_SIR_IOPM_2_20190508T21553_20190508T214132_C001 CS_OFFL_SIR_IOPM_2_20190508T215633_20190508T21453_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T21453_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T223050_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203059_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203050_C001 CS_OFFL_SIR_IOPM_2_20190508T203050_20190508T203050_C001 CS_OFFL_SIR_IOPM_2_20190508T04654_20190508T014813_C001 Coean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag h	CS_OFFL_SIR_IOPM_2_20190508T190005_20190508T190810_C001	Ice Range Averaging Status	
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CS_OFFL_SIR_IOPM_2_201905081202839_20190508120457_C001 CS_OFFL_SIR_IOPM_2_2019050812053941_20190508120457_C001 CS_OFFL_SIR_IOPM_2_201905081205136_201905081211311_C001 CS_OFFL_SIR_IOPM_2_201905081205136_201905081212516_C001 CS_OFFL_SIR_IOPM_2_20190508121557_201905081212516_C001 CS_OFFL_SIR_IOPM_2_201905081213700_201905081214132_C001 CS_OFFL_SIR_IOPM_2_201905081213700_201905081214132_C001 CS_OFFL_SIR_IOPM_2_201905081215633_201905081220203_C001 CS_OFFL_SIR_IOPM_2_201905081215633_201905081220203_C001 CS_OFFL_SIR_IOPM_2_201905081220350_201905081221453_C001 CS_OFFL_SIR_IOPM_2_201905081220350_201905081222357_C001 CS_OFFL_SIR_IOPM_2_201905081222056_201905081222357_C001 CS_OFFL_SIR_IOPM_2_201905081222056_201905081222357_C001 CS_OFFL_SIR_IOPM_2_201905081222016_2019050812230359_C001 CS_OFFL_SIR_IOPM_2_201905081222016_201905081230359_C001 CS_OFFL_SIR_IOPM_2_201905081222016_201905081230359_C001 CS_OFFL_SIR_IOPM_2_201905081232016_201905081230359_C001 CS_OFFL_SIR_IOPM_2_201905081232016_201905081232705_C001 CS_OFFL_SIR_IOPM_2_20190508123216_201905081232314_C001 CS_OFFL_SIR_IOPM_2_20190508123216_201905081232314_C001 CS_OFFL_SIR_IOPM_2_20190508123216_201905081233134_C001 CS_OFFL_SIR_IOPM_2_20190508123216_201905081233134_C001 CS_OFFL_SIR_IOPM_2_201905081014654_201905081014813_C001 CS_OFFL_SIR_IOPM_2_20190508101466_201905081014813_C001 CS_OFFL_SIR_IOPM_2_20190508101466_201905081014813_C001 CS_OFFL_SIR_IOPM_2_20190508101466_20190508101450_C001 CS_OFFL_SIR_IOPM_2_201905081113232_201905081113254_C001 CS_OFFL_SIR_IOPM_2_201905081113232_201905081113254_C001 CS_OFFL_SIR_IOPM_2_201905081113232_201905081113254_C001 CS_OFFL_SIR_IOPM_2_201905081113232_201905081113254_C001 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_SIR_IOPM_2_201905081113231_C0010 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20190508T202014_20190508T202820_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T205136_20190508T211311_C001 CS_OFFL_SIR_IOPM_2_20190508T2011557_20190508T212516_C001 CS_OFFL_SIR_IOPM_2_20190508T211557_20190508T212516_C001 CS_OFFL_SIR_IOPM_2_20190508T211557_20190508T214132_C001 CS_OFFL_SIR_IOPM_2_20190508T2115633_20190508T214132_C001 CS_OFFL_SIR_IOPM_2_20190508T215633_20190508T20203_C001 CS_OFFL_SIR_IOPM_2_20190508T215633_20190508T20203_C001 CS_OFFL_SIR_IOPM_2_20190508T220350_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T220350_20190508T222357_C001 CS_OFFL_SIR_IOPM_2_20190508T223056_20190508T223357_C001 CS_OFFL_SIR_IOPM_2_20190508T223056_20190508T230359_C001 CS_OFFL_SIR_IOPM_2_20190508T23055_20190508T230359_C001 CS_OFFL_SIR_IOPM_2_20190508T23055_20190508T230359_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232375_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T232755_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001 CS_OFFL_SIR_IOPM_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPM_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPM_2_20190508T014654_20190508T014530_C001 CS_OFFL_SIR_IOPM_2_20190508T01406_20190508T091530_C001 CS_OFFL_SIR_IOPM_2_20190508T01406_20190508T091530_C001 CS_OFFL_SIR_IOPM_2_20190508T0145917_20190508T09508T0001 CS_OFFL_SIR_IOPM_2_20190508T0145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T0145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T0145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T0145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T00145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T00145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T00145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T00145917_20190508T0001 CS_OFFL_SIR_IOPM_2_20190508T0000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T203634_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_IOPM_2_20190508T222035_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T222035_20190508T221453_C001 CS_OFFL_SIR_IOPM_2_20190508T222055_20190508T222357_C001 CS_OFFL_SIR_IOPM_2_20190508T222056_20190508T223055_C001 CS_OFFL_SIR_IOPM_2_20190508T223056_20190508T230359_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T230359_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001 CS_OFFL_SIR_IOPM_2_20190508T032718_20190508T034813_C001 CS_OFFL_SIR_IOPM_2_20190508T04654_20190508T04813_C001 CS_OFFL_SIR_IOPM_2_20190508T0414654_20190508T041813_C001 CS_OFFL_SIR_IOPM_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPM_2_20190508T091406_20190508T0113254_C001 CS_OFFL_SIR_IOPM_2_20190508T113232_20190508T113232_20190508T173023_C001 CS_OFFL_SIR_IOPM_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPM_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPM_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_	CS_OFFL_SIR_IOPM_2_20190508T213700_20190508T214132_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508122105_20190508122155_C001 CS_OFFL_SIR_IOPM_2_201905081222105_201905081222357_C001 CS_OFFL_SIR_IOPM_2_201905081223056_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232015_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232015_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232015_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232718_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232718_201905081232705_C001 CS_OFFL_SIR_IOPM_2_201905081232718_201905081232705_C001 CS_OFFL_SIR_IOPM_2_20190508104654_201905081044813_C001 CS_OFFL_SIR_IOPM_2_201905081091406_201905081091530_C001 CS_OFFL_SIR_IOPM_2_201905081091406_201905081091530_C001 CS_OFFL_SIR_IOPM_2_201905081113232_201905081113254_C001 CS_OFFL_SIR_IOPM_2_201905081172903_201905081173023_C001 COean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for	CS_OFFL_SIR_IOPM_2_20190508T215633_20190508T220203_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T223056_20190508T232075_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001 CS_OFFL_SIR_IOPM_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPM_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPM_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPM_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPM_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPM_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPM_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPM_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 COCEAN Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocea	CS_OFFL_SIR_IOPM_2_20190508T220350_20190508T221453_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001 CS_OFFL_SIR_IOPN_2_20190508T032718_20190508T035134_C001 CS_OFFL_SIR_IOPN_2_20190508T04654_20190508T04813_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T15831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T125340_C001 CS_OFFL_SIR_IOPR_2_20190508T125340_C001 CS_OFFL_SIR_IOPR_2_20190508T125340_C001 CS_OFFL_SIR_IOPR_2_20190508T125340_C001 CS_OFFL_SIR_IOPR_2_20190	CS_OFFL_SIR_IOPM_2_20190508T222105_20190508T222357_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001 CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T014813_C001 CS_OFFL_SIR_IOPN_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPN_2_20190508T014654_20190508T014813_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CC_CORP Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20190508T223056_20190508T230359_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001 CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20190508T232718_20190508T235134_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T125130_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T0508T125304_C001 CS_OFFL_SIR_IOPR_2_20190508T0508T0508T0508T0508T0508T0508T0508	CS_OFFL_SIR_IOPN_2_20190508T014654_20190508T014813_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T125303_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T120312_C001 CS_OFFL_SIR_IOPR_	CS_OFFL_SIR_IOPN_2_20190508T091406_20190508T091530_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20190508T175903_20190508T175025_C001 CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20190508T113232_20190508T113254_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20190508T0190508T120312_C001 CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_201905061115031_201905061120312_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPR_2_20190508T045917_20190508T050410_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_IOPR_2_20190508T115831_20190508T120312_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_IOPR_2_20190508T125130_20190508T125344_C001	Ocean Range Averaging Status	

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.

Test Failed Description

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.

Product	rest Falled	Description
CS_OFFL_SIR_IOPM_2_20190508T001056_20190508T002827_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_20190508T003001_20190508T004404_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_20190508T005151_20190508T005353_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T005457_20190508T005855_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T010053_20190508T011613_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_20190508T011814_20190508T012738_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_20190508T014550_20190508T014654_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T015421_20190508T020640_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_20190508T021318_20190508T021746_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_20190508T022231_20190508T022604_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_20190508T022954_20190508T023757_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T024032_20190508T025521_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_20190508T033213_20190508T040526_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_20190508T041110_20190508T041641_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

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CS_OFFL_SIR_IOPM_2_20190508T042012_20190508T044430_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_20190508T051607_20190508T052741_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_20190508T053318_20190508T054412_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_20190508T055040_20190508T055524_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T055835_20190508T062649_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_20190508T065016_20190508T072304_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T072950_20190508T073521_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_20190508T073741_20190508T074309_C001	SWH Averaging Status, Ocean	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_20190508T081416_20190508T081625_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_20190508T082903_20190508T090243_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T090852_20190508T091405_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T091704_20190508T093548_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190508T100729_20190508T104102_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_20190508T104435_20190508T104851_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T104910_20190508T105305_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T105720_20190508T113127_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_20190508T113254_20190508T113539_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T114751_20190508T115831_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_20190508T120432_20190508T122036_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_20190508T122232_20190508T122750_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T125344_20190508T130626_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T130836_20190508T131019_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_20190508T133307_20190508T134331_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_20190508T134511_20190508T135921_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T140158_20190508T140701_C001	Ice Backscatter Averaging Status	records. The loe Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T140725_20190508T140840_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190508T143413_20190508T143722_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_20190508T143845_20190508T144556_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_20190508T151732_20190508T153759_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_20190508T154212_20190508T154617_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T154639_20190508T154838_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T155256_20190508T161845_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_20190508T165431_20190508T171807_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_20190508T172005_20190508T172531_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T173234_20190508T174332_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T174910_20190508T180454_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_20190508T182849_20190508T184939_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_20190508T185155_20190508T185733_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190508T190005_20190508T190810_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T191145_20190508T194530_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190508T202839_20190508T203634_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_20190508T203941_20190508T204457_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190508T205136_20190508T211311_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_20190508T211557_20190508T212516_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_20190508T213700_20190508T214132_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_20190508T215633_20190508T220203_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_20190508T220350_20190508T221453_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_20190508T222105_20190508T222357_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_20190508T223056_20190508T230359_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190508T232015_20190508T232705_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_20190508T232718_20190508T235134_C001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPN_2_20190508T014654_20190508T014813_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_20190508T091406_20190508T091530_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_20190508T113232_20190508T113254_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190508T172903_20190508T173023_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_20190508T045917_20190508T050410_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_20190508T115831_20190508T120312_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_20190508T125130_20190508T125344_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

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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_220190508T014304_20190508T023239_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220190508T154627_20190508T163607_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190508T000351_20190508T005325_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_220190508T005325_20190508T014304_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_220190508T014304_20190508T023239_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_220190508T023239_20190508T032218_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_220190508T032218_20190508T041152_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_220190508T041152_20190508T050132_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_220190508T050132_20190508T055106_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_220190508T055106_20190508T064045_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_220190508T064045_20190508T073020_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T073020_20190508T081959_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_220190508T081959_20190508T090933_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T090933_20190508T095912_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_220190508T095912_20190508T104847_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_220190508T104847_20190508T113826_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_220190508T113826_20190508T122800_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_20190508T122800_20190508T131739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T131739_20190508T140714_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_220190508T140714_20190508T145653_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T145653_20190508T154627_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_220190508T154627_20190508T163607_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_220190508T163607_20190508T172541_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_220190508T172541_20190508T181520_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_220190508T181520_20190508T190455_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_220190508T190455_20190508T195434_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T195434_20190508T204408_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_220190508T204408_20190508T213347_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T213347_20190508T222322_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T222322_20190508T231301_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T231301_20190509T000235_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
	SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one
CS_OFFL_SIR_IOP_220190508T000351_20190508T005325_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	or more records.
CS_OFFL_SIR_IOP_220190508T005325_20190508T014304_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_20190508T014304_20190508T023239_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_220190508T023239_20190508T032218_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_220190508T032218_20190508T041152_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_20190508T041152_20190508T050132_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_220190508T050132_20190508T055106_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_20190508T055106_20190508T064045_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_220190508T064045_20190508T073020_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_220190508T073020_20190508T081959_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_220190508T081959_20190508T090933_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_220190508T090933_20190508T095912_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_220190508T095912_20190508T104847_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_220190508T104847_20190508T113826_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_20190508T113826_20190508T122800_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_20190508T122800_20190508T131739_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_20190508T131739_20190508T140714_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_20190508T140714_20190508T145653_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_220190508T145653_20190508T154627_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_220190508T154627_20190508T163607_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_220190508T163607_20190508T172541_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_220190508T172541_20190508T181520_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_220190508T181520_20190508T190455_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.
	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_220190508T195434_20190508T204408_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_220190508T204408_20190508T213347_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.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	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.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190508T000351_20190508T005325_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T005325_20190508T014304_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T014304_20190508T023239_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T023239_20190508T032218_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T032218_20190508T041152_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T041152_20190508T050132_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T050132_20190508T055106_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T055106_20190508T064045_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T064045_20190508T073020_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T073020_20190508T081959_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T081959_20190508T090933_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T090933_20190508T095912_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T095912_20190508T104847_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T104847_20190508T113826_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T113826_20190508T122800_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T122800_20190508T131739_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T131739_20190508T140714_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T140714_20190508T145653_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T145653_20190508T154627_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T154627_20190508T163607_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T163607_20190508T172541_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T172541_20190508T181520_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T181520_20190508T190455_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T190455_20190508T195434_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T195434_20190508T204408_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T204408_20190508T213347_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T213347_20190508T222322_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190508T222322_20190508T231301_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190508T231301_20190509T000235_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.