



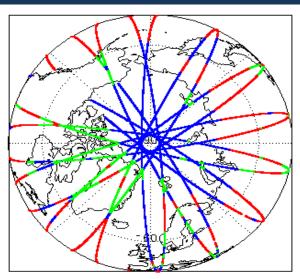
1. Overview

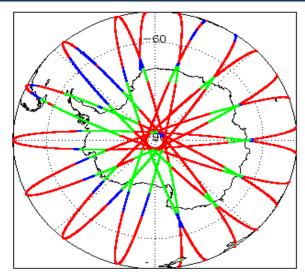
Report Production:	29-Mar-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

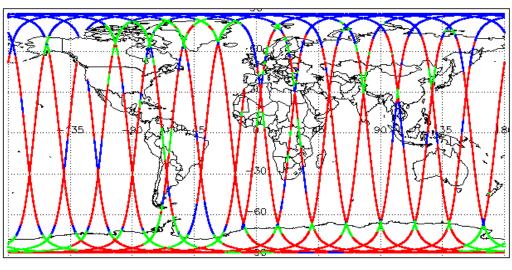
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News		
25-Mar-2019 None		
26-Mar-2019	None	
27-Mar-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:

0

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190326T200413_20190326T204031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T005651_20190326T010208_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T024102_20190326T024232_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T050602_20190326T050823_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T054844_20190326T055033_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T055903_20190326T060057_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T073702_20190326T073951_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T090810_20190326T091157_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T095823_20190326T095919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T145638_20190326T145804_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T155401_20190326T155707_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T163234_20190326T163655_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T231827_20190326T231846_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190326T231910_20190326T231932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190326T033429_20190326T033703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190326T112957_20190326T113059_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors: Not 0!

Product	Test Failed
CS_OFFL_SIR_IOPR_2_20190326T164904_20190326T164911_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

5.5 L2 Measurement Confidence Data Check

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

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:

75

Comp. Fig. Comp. 2.000023700023 Comp.	Number of products with errors: 75	I=	
COLORI, SRI, CIPM 2, 201802201100341, 201802201100350, COS1 COLORI, SRI, CIPM 3, 201802201100341, 20180201100350, COS1 COLORI, SRI, CIPM 3, 201802201100341, 20180201100350, COS1 COLORI, SRI, CIPM 3, 201802001100341, 20180201100350, COS1 COLORI, SRI, CIPM 3, 201802001100341, 20180201100350, COS1 COLORI, SRI, CIPM 3, 201802001100350, 20180201100341, COS1 COLORI, SRI, CIPM 3, 201802001100350, 20180201100342, COS1 COLORI, SRI, CIPM 3, 201802001100350, 20180201100345, COS1 COLORI, SRI, CIPM 3, 201802001100350, COS00001100350, COS1 COLORI, SRI, CIPM	Product CS_OFFI_SIR_IOPM_2_20190326T002753_20190326T005010_C001	Ocean Range Averaging Status	Description The Ocean Range Averaging Status Flag has been set for one or more
Co. OFF., SRI, JOHN 2, 2010002010341 20100201021031 2010 Co. OFF. SRI, JOHN 2, 2010002010341 20100201021031 2010 Co. OFF. SRI, JOHN 2, 2010002010341 201002010341 (2010) Co. OFF. SRI, JOHN 2, 2010002010341 201002010341 (2010) Co. OFF., SRI, JOHN 2, 2010002010341 201002010341 (2010) Co. OFF., SRI, JOHN 2, 20100020103433 2010020103400 (2010) Co. OFF., SRI, JOHN 2, 2010002010340 201002010340 (2010) Co. OFF., SRI, JOHN 2, 2010002010340 (2010) Co. OFF., SRI, JOHN 2, 2010002			The Ice Range Averaging Status Flag has been set for one or more
COLUMNIA DE L'AUTONOMINA DE L'	CS OFFL SIR IOPM 2 20190326T010341 20190326T013336 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Deep Range Averaging Status Fig. Deep Averaging Status		Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB. CFFL. SR. (DMF 2. 2010022F022F32 201922F022F32 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD2 CD			The Ocean Range Averaging Status Flag has been set for one or more
Co. OFFL. SRI, IOM 2_20190000T000002_20190000T000000_2019 Co. OFFL. SRI, IOM 2_20190000T0000002_20190000T0000000_2019 Co. OFFL. SRI, IOM 2_20190000T0000000_2019 Co. OFFL. SRI, IOM 2_20190000T0000000000000000000000000000000			
CB_OFFL_SRI_OFM_2_20180028102282_00180028102890_001 CB_OFFL_SRI_OFM_2_20180028102280_00180028102890_001 CB_OFFL_SRI_OFM_2_20180028102280_00180028102890_001 CB_OFFL_SRI_OFM_2_20180028102280_00180028102800_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028102800_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108002_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_00180028108000_0018 CB_OFFL_SRI_OFM_2_20180028108003_001800281070800_00180038108000_00180038108000_00180038108000_00180038108000_001800381080000_00180038108000_00180038108000_00180038108000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000_001800381080000000000			
CB_OFF_SR_OFM_2_29900207103283_29100207103280_0010 CG_OFF_SR_OFM_2_29900207103283_29100207103280_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_29900207103280_00102071032_0010 CG_OFF_SR_OFM_2_2990020710328_299002071032_0010 CG_OFF_SR_OFM_2_2990020710328_299002071032_00100000000000000000000000000000000			
CB_OPFI_SRI_OPFI_Z_PISSOSTITUSSRS_DISSOSTITUSSRS_COST CB_OPFI_SRI			
CS_OFFL_SIR_IOPM_2_29190026T003702_09190226T04659_001 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T04659_0010 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T04593_0919226T04690_0010 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T05033_0919226T04690_0010 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T005033_0919226T06992_001 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T005033_0919226T070744_0011 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T005030_0919226T070744_0011 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T007038_0919226T070747_0011 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T07038_0919226T070747_0011 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T07038_091926T070380_00100707372_0010 The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T070740_00107070772_0010 The Ocean Farge Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T0707400_0010707772_0010 The Ocean Farge Averaging Status The Ocean Farge Averaging Status Flag has been set for one or more control. CS_OFFL_SIR_IOPM_2_29190026T0707400_0010707772_0010 Ocean Range Averaging Status The Ocean Farge Averaging Status Flag has been se			
SCOPPL_SIR_LOPM_2_2019002871042 COUNTERED COUNTER COUN			records.
So, OFFL, SIR, JOPHL 2, 2010032611042, 20100326110430 2001 Ceg. OFFL, SIR, JOPHL 2, 201003261042140, 2010032610431 2001 Ceg. OFFL, SIR, JOPHL 2, 201003261042140, 2010032610431 2001 Ceg. OFFL, SIR, JOPHL 2, 201003261043 2001 Ceg. OFFL, SIR, JOPHL 2, 2010032611043 2010032611240 2001			records.
Sec. GPFL_SR_QPPU_2_0100307100410_010030710440_01001 CS_QPFL_SR_QPPU_2_0100307100240_010030710440_0100100401040_0100100401040_010030710444_0100307104444_0100307104444_0100307104444_0100307104444_0100307104444444404444444444444444444444	CS_OFFL_SIR_IOPM_2_20190326T040530_20190326T040628_C001	Ocean Range Averaging Status	records.
CS_OFFL_SR_IPM_2_20190326T05503_20190326T054513_C001 CS_OFFL_SR_IPM_2_20190326T05503_20190326T054513_C001 CS_OFFL_SR_IPM_2_20190326T05503_20190326T05202_C001 CS_OFFL_SR_IPM_2_20190326T05503_20190326T07014_C001 CS_OFFL_SR_IPM_2_20190326T07514_20190326T07014_C001 CS_OFFL_SR_IPM_2_20190326T07514_20190326T07074_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T07074_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073123_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073123_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073122_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073122_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073122_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T073122_C001 CS_OFFL_SR_IPM_2_20190326T075456_20190326T07509024_C001 CS_OFFL_SR_IPM_2_20190326T085459_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085459_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085459_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085459_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085459_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T090024_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T08550_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T08550_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T08550_C001 CS_OFFL_SR_IPM_2_20190326T085450_20190326T08550_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T08550_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326T18500_C001 CS_OFFL_SR_IPM_2_20190326T18500_20190326	CS_OFFL_SIR_IOPM_2_20190326T041227_20190326T041521_C001	Ice Range Averaging Status	records.
CS_OFFL_SIL_OPM_2_20190326T00510_20190326T00732_C001 CS_OFFL_SIR_OPM_2_20190326T00510_20190326T0073_C001 CS_OFFL_SIR_OPM_2_20190326T00510_20190326T07312_C001 CS_OFFL_SIR_OPM_2_20190326T075158_20190326T07312_C001 CS_OFFL_SIR_OPM_2_20190326T075158_20190326T07312_C001 CS_OFFL_SIR_OPM_2_20190326T075158_20190326T07312_C001 CS_OFFL_SIR_OPM_2_20190326T075158_20190326T07312_C001 CS_OFFL_SIR_OPM_2_20190326T075158_20190326T07512_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T07512_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T0752_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T075325_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T075525_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T075525_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T07552_20190326T06552_C001 CS_OFFL_SIR_OPM_2_20190326T07552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T07552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T07552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T07552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T10552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T10552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T10552_20190326T10651_C001 CS_OFFL_SIR_OPM_2_20190326T10552_20190326T112552_C001 CS_OFFL_SIR_OPM_2_20190326T112552_C001 CS_OFFL_SIR_OPM_2_20190326T11	CS_OFFL_SIR_IOPM_2_20190326T042149_20190326T043649_C001	Ocean Range Averaging Status	records.
Se Fange Averaging Status Fig. Opt. 2.01903261709129.01903261709414_001 Ocean Range Averaging Status Fig. Opt. 2.01903261707198_201903261707944_001 Ocean Range Averaging Status Fig. Opt. 2.01903261707198_201903261707312_001 CS_OFFL_SIR_JOPM_2_201903261707345_01903261707312_001 CS_OFFL_SIR_JOPM_2_201903261707345_01903261707312_001 CS_OFFL_SIR_JOPM_2_201903261707345_01903261707312_001 CS_OFFL_SIR_JOPM_2_201903261707345_01903261707312_001 CS_OFFL_SIR_JOPM_2_201903261707345_01903261708452_0101 CS_OFFL_SIR_JOPM_2_201903261707345_019032617084752_001 Ocean Range Averaging Status Fig. Ocean Fig. Ocean Range Averaging Status Fig. Ocean Fig. Ocean Range Averaging Status Fig. Ocean Fi	CS_OFFL_SIR_IOPM_2_20190326T052355_20190326T054813_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_JOPM_2_20190326T1093628_20190326T077172_001 Osean 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_JOPM_2_20190326T072692_0190326T072717_0001 Osean 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. CS_OFFL_SIR_JOPM_2_20190326T074003_20190326T080752_001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20190326T084003_20190326T084596_001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20190326T085402_20190326T09404_001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20190326T085402_20190326T09404_001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20190326T0910866_20190326T095224_001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20190326T101902_20190326T101902_019	CS_OFFL_SIR_IOPM_2_20190326T055033_20190326T055902_C001	Ice Range Averaging Status	records.
CS_OFFL_SR_JOPM_2_20190326T071518_20190326T07272_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T07272_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T07272_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T07272_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T07272_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T0926T072_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T073246_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T094859_C001 CS_OFFL_SR_JOPM_2_20190326T09582_20190326T09582_C001 CS_OFFL_SR_JOPM_2_20190326T101959_20190326T09582_C001 CS_OFFL_SR_JOPM_2_20190326T101959_20190326T104512_C001 CS_OFFL_SR_JOPM_2_20190326T114952_20190326T104512_C001 CS_OFFL_SR_JOPM_2_20190326T114952_20190326T104512_C001 CS_OFFL_SR_JOPM_2_20190326T114952_20190326T114952_C001 CS_OFFL_SR_JOPM_2_20190326T114952_20190326T12536_C001 CS_OFFL_SR_JOPM_2_20190326T12500_20190326T12536_C001 CS_OFFL_SR_JOPM_2_20190326T12500_20190326T12536_C001 CS_OFFL_SR_JOPM_2_20190326T12500_20190326T12536_C001 CS_OFFL_SR_JOPM_2_20190326T14952_20190326T12536_C001 CS_OFFL_SR_JOPM_2_20190326T14952_20190326T143532_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001 CS_OFFL_SR_JOPM_2_20190326T144058_20190326T145050_C001	CS_OFFL_SIR_IOPM_2_20190326T060110_20190326T062703_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190326T07395_20	CS_OFFL_SIR_IOPM_2_20190326T065826_20190326T070944_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190326T073245_20190326T073512_C001 De Range Averaging Status The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag	CS_OFFL_SIR_IOPM_2_20190326T071518_20190326T072717_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190326T079326010326T08452_0010326T084559_0010 Cean Range Averaging Slatus CS_OFFL_SIR_IOPM_2_20190326T085429_20190326T086459_0010 CS_OFFL_SIR_IOPM_2_20190326T085429_20190326T086459_0010 CS_OFFL_SIR_IOPM_2_20190326T085429_20190326T09624_0010 CS_OFFL_SIR_IOPM_2_20190326T09157_20190326T09624_0010 CS_OFFL_SIR_IOPM_2_20190326T091582_00190326T094521_0010 CS_OFFL_SIR_IOPM_2_20190326T091582_00190326T094521_0010 CS_OFFL_SIR_IOPM_2_20190326T091582_00190326T094521_0010 CS_OFFL_SIR_IOPM_2_20190326T109582_00190326T104541_0011 CS_OFFL_SIR_IOPM_2_20190326T105102_00190326T104541_0011 CS_OFFL_SIR_IOPM_2_20190326T10574_20190326T105451_0011 CS_OFFL_SIR_IOPM_2_20190326T10574_20190326T105754_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190326T105755_00190	CS_OFFL_SIR_IOPM_2_20190326T072959_20190326T073123_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201903267103520_01903267090824_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. 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 Fl	CS_OFFL_SIR_IOPM_2_20190326T073245_20190326T073702_C001	Ice Range Averaging Status	
CS_OFF_SIR_OPM_2_20190326T091554_2_92190326T091625_C001 CS_OFF_SIR_OPM_2_20190326T091157_20190326T091742_C001 CS_OFF_SIR_OPM_2_20190326T091856_20190326T091742_C001 CS_OFF_SIR_OPM_2_20190326T091856_20190326T091850_C01903	CS_OFFL_SIR_IOPM_2_20190326T074003_20190326T080752_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190326T101572_0190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T101572_0190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T105613_C001 CS_OFFL_SIR_IOPM_2_20190326T105754_20190326T105613_C001 CS_OFFL_SIR_IOPM_2_20190326T104541_C001 CS_OFFL_SIR_IOPM_2_20190326T104592_20190326T111732_C001 CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T1121800_C001 CS_OFFL_SIR_IOPM_2_20190326T1121800_20190326T1121800_C001 CS_OFFL_SIR_IOPM_2_20190326T1218200_20190326T11230T12001 CS_OFFL_SIR_IOPM_2_20190326T1218200_20190326T1230T12001 CS_OFFL_SIR_IOPM_2_20190326T1230T1200120010010 CS_OFFL_SIR_IOPM_2_20190326T1230T120010010 CS_OFFL_SIR_IOPM_2_20190326T1230T120010 CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T12350T_C001 CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_C001 CS_OFFL_SIR_IOPM_2_20190326T137332_20190326T131332_C001 CS_OFFL_SIR_IOPM_2_20190326T137332_20190326T130T230D2_0190326T131313_C001 CS_OFFL_SIR_IOPM_2_20190326T137332_20190326T134035_C001 CS_OFFL_SIR_IOPM_2_20190326T137332_20190326T134035_C001 CS_OFFL_SIR_IOPM_2_20190326T140498_20190326T140989_C001 CS_OFFL_SIR_IOPM_2_20190326T140498_20190326T140989_C001 CS_OFFL_SIR_IOPM_2_20190326T1440488_20190326T144058_0010 CS_OFFL_SIR_IOPM_2_20190326T144747_C001 Coean Range Averaging Status The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has be	CS_OFFL_SIR_IOPM_2_20190326T083320_20190326T084859_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190326T10150_20190326T10450_CO10 CS_OFFL_SIR_IOPM_2_20190326T10150_20190326T10450_CO10 CS_OFFL_SIR_IOPM_2_20190326T10150_20190326T10450_CO10 CS_OFFL_SIR_IOPM_2_20190326T10502_20190326T10450_CO10 CS_OFFL_SIR_IOPM_2_20190326T10502_20190326T10450_CO10 CS_OFFL_SIR_IOPM_2_20190326T10502_20190326T110450_CO10 CS_OFFL_SIR_IOPM_2_20190326T110502_20190326T110450_CO10 CS_OFFL_SIR_IOPM_2_20190326T110502_20190326T1104020_CO10 CS_OFFL_SIR_IOPM_2_20190326T110450_CO100026T110400_CO10 CS_OFFL_SIR_IOPM_2_20190326T110450_CO100026T12306_CO10 CS_OFFL_SIR_IOPM_2_20190326T12802_0190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12802_0190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO100026T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T12300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T1300_CO10 CS_OFFL_SIR_IOPM_2_20190326T140438_CO10 CS_OFFL_SIR_IOPM_2_20190326T140438_C010 CS_OFFL_SIR_IOPM_2_20190326T140438_C010 CS_OFFL_SIR_IOPM_2_20190326T140438_C010 CS_OFFL_SIR_IOPM_2_20190326T140438_C010 CS_OFFL_SIR_IOPM_2_20190326T1404048_C010 CS_OFFL_SIR_IOPM_2_20	CS_OFFL_SIR_IOPM_2_20190326T085429_20190326T090624_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T101856_20190326T1092521_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T105103_C001 Ice Range Averaging Status Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T105754_20190326T117732_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T1121809_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T112820_20190326T121809_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T128204_20190326T12336_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T12801_C001 Ice Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T12904_20190326T123101_C001 Ice Range Averaging Status Ice Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T123107_20190326T123521_C001 Ice Range Averaging Status Ice Cannel Averag	CS_OFFL_SIR_IOPM_2_20190326T091157_20190326T091742_C001	Ice Range Averaging Status	
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CS_OFFL_SIR_IOPM_2_20190326T105102_20190326T11732_CO01 CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T11732_CO01 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T121809_CO01 CS_OFFL_SIR_IOPM_2_20190326T121820_20190326T122336_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. CS_OFFL_SIR_IOPM_2_20190326T122304_20190326T122336_CO01 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T123107_20190326T123521_CO01 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_CO01 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T131322_20190326T131313_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T134752_20190326T140308_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T140388_20190326T140959_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T14474T_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T149108_20190326T145156_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T149082_D10526T152435_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or m	CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T104541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T12820_20190326T12336_C001 CS_OFFL_SIR_IOPM_2_20190326T12820_20190326T12336_C001 CS_OFFL_SIR_IOPM_2_20190326T12820_20190326T12336_C001 CS_OFFL_SIR_IOPM_2_20190326T12904_20190326T123101_C001 CS_OFFL_SIR_IOPM_2_20190326T12904_20190326T123101_C001 CS_OFFL_SIR_IOPM_2_20190326T123107_20190326T123521_C001 CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T133131_C001 CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_C001 CS_OFFL_SIR_IOPM_2_20190326T1331312_20190326T133131_C001 CS_OFFL_SIR_IOPM_2_20190326T1331312_20190326T134235_C001 CS_OFFL_SIR_IOPM_2_20190326T1331312_20190326T134235_C001 CS_OFFL_SIR_IOPM_2_20190326T134752_20190326T134038_C001 CS_OFFL_SIR_IOPM_2_20190326T134752_20190326T140595_C001 CS_OFFL_SIR_IOPM_2_20190326T14058_20190326T140595_C001 CS_OFFL_SIR_IOPM_2_20190326T14058_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T14498_20190326T1443332_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T1445156_C001 CS_OFFL_SIR_IOPM_2_20190326T144407_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T144407_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T1544404_20190326T152435_C001 CC_EOR 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	CS_OFFL_SIR_IOPM_2_20190326T105102_20190326T105613_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T121820_20190326T122336_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 Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T134235_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T144747_20190326T140308_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20190326T144108_20190326T14474T_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_IOPM_2_20190326T154404_20190326T154255_C001 Ocean Range	CS_OFFL_SIR_IOPM_2_20190326T105754_20190326T111732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T121820_20190326T123310_C001 CS_OFFL_SIR_IOPM_2_20190326T122904_20190326T123521_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The 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 mo	CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T121809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T12310T_20190326T123521_C001 Loc Range Averaging Status The loc 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 Flag	CS_OFFL_SIR_IOPM_2_20190326T121820_20190326T122336_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T123107_20190326T13313_C001 CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_C001 CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T133132_C001 CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T134235_C001 CS_OFFL_SIR_IOPM_2_20190326T134752_20190326T140308_C001 CS_OFFL_SIR_IOPM_2_20190326T14038_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T140308_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144097_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144090326T1445156_C001 CS_OFFL_SIR_IOPM_2_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T150637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T155077_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154265_C001 CCS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154265_C001 CCS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154859_C001 CCS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154859_C001 CCS_OFFL_SIR_IOPM_2_20190326T154567_C0190326T154859_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS OFFL SIR IOPM 2 20190326T122904 20190326T123101 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T134235_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. 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 Averagin	CS OFFL SIR IOPM 2 20190326T123107 20190326T123521 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T140308_C001 CS_OFFL_SIR_IOPM_2_20190326T133132_20190326T140308_C001 CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T143507_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T144745_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154256_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T1560115_C001 CS_OFFL_SIR_IOPM_2_20190326T1545507_20190326T1554859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T155405_C001 CS_OFFL_SIR_IOPM_2_20190326T1545507_20190326T155405_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154	CS OFFL SIR IOPM 2 20190326T123723 20190326T131313 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T134752_20190326T140308_C001 CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144507_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T16459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T16459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T16459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T16459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T1601			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190326T140438_20190326T140959_C001 CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 CS_OFFL_SIR_IOPM_2_20190326T143507_20190326T144747_C001 CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T145156_C001 CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154250 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T150115_C001 CS_OFFL_SIR_IOPM_2_20190326T150115_C001 CC_COMPRANCE 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
CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_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_IOPM_2_20190326T144907_20190326T155435_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. CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_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. The Ocean Range Averaging Status Flag has been set for one or more records.			
CS_OFFL_SIR_IOPM_2_20190326T143507_20190326T144747_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. 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.			
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CS_OFFL_SIR_IOPM_2_20190326T151414_20190326T152435_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_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. CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_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.			records.
CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T152435_C001 CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T15404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T160115_C0			records.
CS_OFFL_SIR_IOPM_2_20190326T15470_20190326T154216_C001 CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T165707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T1601459_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T160115_C001 CS_OFFL_SIR_IOPM_2_20190326T16011		Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T160115_C001	CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201903261163707_201903261160115_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001	Ice Range Averaging Status	records.
US OFFI SIR JOPM 2 201903261161459 201903261162756 COOL JOCEAN RANGE AVERAGING STATUS	CS_OFFL_SIR_IOPM_2_20190326T155707_20190326T160115_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20190326T161459_20190326T162756_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_IOPM_2_20190326T170525_20190326T172121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T172342_20190326T172827_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T173357_20190326T180133_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T183442_20190326T190057_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T190331_20190326T190726_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T190731_20190326T190740_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T190746_20190326T191111_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T191333_20190326T192540_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T193113_20190326T194107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T200413_20190326T204031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T204155_20190326T204640_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T205258_20190326T212806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T214113_20190326T214244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T221252_20190326T221453_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T221653_20190326T222000_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T222144_20190326T222707_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T223212_20190326T225511_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T225757_20190326T230655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T231945_20190326T232304_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T233915_20190326T235858_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T032940_20190326T033212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T040431_20190326T040530_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T063943_20190326T064002_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T090810_20190326T091157_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T123522_20190326T123629_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T154221_20190326T154404_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T163234_20190326T163655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T214851_20190326T214908_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T222018_20190326T222144_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190326T015159_20190326T015241_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

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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190326T002753_20190326T005010_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_20190326T005432_20190326T005650_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T010341_20190326T013336_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_20190326T015241_20190326T021137_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_20190326T021204_20190326T022504_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_20190326T023736_20190326T024101_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T024233_20190326T025821_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_20190326T030023_20190326T030944_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_20190326T032753_20190326T032939_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190326T033240_20190326T033429_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_20190326T033703_20190326T034758_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_20190326T040530_20190326T040628_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_20190326T041227_20190326T041521_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T041531_20190326T042002_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T042149 20190326T043649 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T052355_20190326T054813_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T055033_20190326T055902_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T060110_20190326T062703_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T065826_20190326T070944_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T071518 20190326T072717 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T073245 20190326T073702 C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T074003_20190326T080752_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T083320_20190326T084859_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T085429 20190326T090624 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T091157_20190326T091742_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T095642 20190326T095730 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T101050_20190326T104541_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T105102_20190326T105613_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T105754 20190326T111732 C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T114952_20190326T121809_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20190326T121820_20190326T122336_C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T122904 20190326T123101 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T123107_20190326T123521_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T123723_20190326T131313_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T133132 20190326T134235 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T134516_20190326T134746_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T134752 20190326T140308 C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T140438 20190326T140959 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T141006 20190326T141012 C001 Ice Backscatter Averaging Status records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20190326T142108_20190326T143332_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20190326T143507_20190326T144747_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T144907_20190326T145156_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T151414 20190326T152435 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T152637_20190326T154216_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T154404_20190326T154859_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T161459 20190326T162756 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T170525_20190326T172121_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T172342_20190326T172827_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T173357_20190326T180133_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T183442_20190326T190057_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T190331 20190326T190726 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190326T190746 20190326T191111 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T191333_20190326T192540_C001 Backscatter Averaging Status more record The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20190326T193113_20190326T194107_C001 Backscatter Averaging Status nore records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T200413 20190326T204031 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T204155_20190326T204640_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T205258_20190326T212806_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T214113_20190326T214244_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T221252_20190326T221453_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T221653 20190326T222000 C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190326T222144_20190326T222707_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T223212_20190326T225511_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190326T225757 20190326T230655 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190326T231945_20190326T232304_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_IOPM_2_20190326T233915_20190326T235858_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_20190326T040431_20190326T040530_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_20190326T063943_20190326T064002_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_20190326T090810_20190326T091157_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T123522_20190326T123629_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_20190326T154221_20190326T154404_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190326T163234_20190326T163655_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_20190326T214851_20190326T214908_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_20190326T222018_20190326T222144_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190326T015159_20190326T015241_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

60

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:

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.

Test Failed

Description

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

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

Number of products with errors:

Product

Product	rest railed	Description
CS_OFFL_SIR_IOP_220190326T000638_20190326T005617_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T005617_20190326T014552_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T014552_20190326T023530_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_220190326T023530_20190326T032505_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_220190326T032505_20190326T041444_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_220190326T041444_20190326T050419_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_220190326T050419_20190326T055357_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T055357_20190326T064333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T064333_20190326T073311_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_220190326T073311_20190326T082246_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_220190326T082246_20190326T091225_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T091225_20190326T100200_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_220190326T100200_20190326T105138_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_220190326T105138_20190326T114113_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_20190326T114113_20190326T123052_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_220190326T123052_20190326T132027_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_220190326T132027_20190326T141005_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_220190326T141005_20190326T145941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T145941_20190326T154919_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_220190326T154919_20190326T163854_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T163854_20190326T172832_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_220190326T172832_20190326T181808_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T181808_20190326T190746_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_220190326T190746_20190326T195721_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_220190326T195721_20190326T204700_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_220190326T204700_20190326T213635_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T213635_20190326T222613_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_220190326T222613_20190326T231549_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190326T231549_20190327T000527_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
CS_OFFL_SIR_IOP_220190326T000638_20190326T005617_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_220190326T005617_20190326T014552_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_220190326T014552_20190326T023530_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_220190326T023530_20190326T032505_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_220190326T032505_20190326T041444_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_20190326T041444_20190326T050419_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_220190326T050419_20190326T055357_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_20190326T055357_20190326T064333_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_220190326T064333_20190326T073311_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_220190326T073311_20190326T082246_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_220190326T082246_20190326T091225_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_20190326T091225_20190326T100200_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_20190326T100200_20190326T105138_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_20190326T105138_20190326T114113_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_20190326T114113_20190326T123052_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_220190326T123052_20190326T132027_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_20190326T132027_20190326T141005_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_20190326T141005_20190326T145941_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_20190326T145941_20190326T154919_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_20190326T154919_20190326T163854_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_20190326T163854_20190326T172832_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_220190326T172832_20190326T181808_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_20190326T181808_20190326T190746_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_220190326T190746_20190326T195721_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_20190326T195721_20190326T204700_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_220190326T204700_20190326T213635_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_20190326T213635_20190326T222613_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_20190326T2222613_20190326T231549_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_220190326T231549_20190327T000527_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190326T005617_20190326T014552_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T014552_20190326T023530_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T023530_20190326T032505_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T032505_20190326T041444_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T050419_20190326T055357_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T055357_20190326T064333_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T064333_20190326T073311_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T073311_20190326T082246_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T082246_20190326T091225_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T091225_20190326T100200_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T100200_20190326T105138_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T114113_20190326T123052_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T123052_20190326T132027_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T132027_20190326T141005_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T141005_20190326T145941_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T145941_20190326T154919_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T154919_20190326T163854_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T163854_20190326T172832_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T172832_20190326T181808_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T181808_20190326T190746_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T195721_20190326T204700_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T204700_20190326T213635_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T213635_20190326T222613_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T222613_20190326T231549_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190326T231549_20190327T000527_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.