



1. Overview

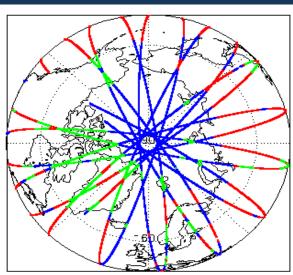
Report Production:	22-Jan-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

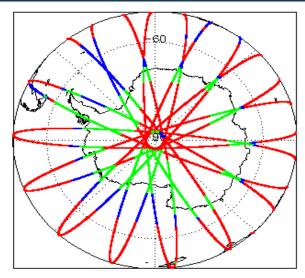
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

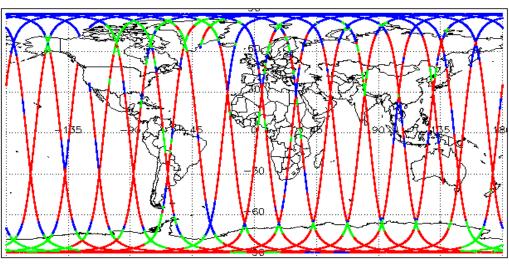
Mission / Instrument News		
19-Jan-2018 20-Jan-2018	None	
20-Jan-2018	None	

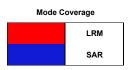
20-Jan-2018 None 21-Jan-2018 Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

- 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.

Number of products with errors:

66

Day day d	Took Follow	Beautotten
Product CS_OFFL_SIR_IOPM1B_20180120T010333_20180120T011037_C001	Test Failed Power scaling error	There is an error in the scaling of the L1B waveform for one or more
CS OFFL SIR IOPR1B 20180120T002954 20180120T003458 C001	Attitude correction missing	records The attitude has not been corrected
CS OFFL SIR IOPR1B 20180120T003458 20180120T003625 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T011456_20180120T011518_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T014637_20180120T014817_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T015415_20180120T015526_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T022126_20180120T022344_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T022507_20180120T022509_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T031038_20180120T031121_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T034714_20180120T034939_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T035109_20180120T035517_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T052012_20180120T052049_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T055847_20180120T060420_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T062852_20180120T062914_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T070248_20180120T070334_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T070456_20180120T070525_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T070722_20180120T070825_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T071819_20180120T071854_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T075458_20180120T075736_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T083928_20180120T083945_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T084352_20180120T084534_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T084901_20180120T085939_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T090858_20180120T091057_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T093333_20180120T093453_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T094622_20180120T094711_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T102841_20180120T103305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T103305_20180120T103621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T114321_20180120T114429_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR IOPR1B 20180120T120750 20180120T121312 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T121344_20180120T121505_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR IOPR1B 20180120T121853 20180120T121901 C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR IOPR1B 201801201121905 201801201121917 C001	-	The attitude has not been corrected
	Attitude correction missing	
CS_OFFL_SIR_IOPR1B_20180120T121921_20180120T121938_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T122000_20180120T122025_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T123419_20180120T123623_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T125847_20180120T125853_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T130702_20180120T130736_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T134647_20180120T134942_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T134942_20180120T135347_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T140756_20180120T141543_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T143049_20180120T143110_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T153053_20180120T153254_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T163532_20180120T164102_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T165055_20180120T165233_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T170212_20180120T171045_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T171107_20180120T171339_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T174951_20180120T175012_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T181445_20180120T181624_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T181624_20180120T182004_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T183920_20180120T183937_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T184119_20180120T184854_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T184858_20180120T185052_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T190104_20180120T190324_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T192030_20180120T192318_C001	Attitude correction missing	The attitude has not been corrected
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CS_OFFL_SIR_IOPR1B_20180120T192931_20180120T193009_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T202919_20180120T202943_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T210848_20180120T210941_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T211915_20180120T212159_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T215449_20180120T215735_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T220545_20180120T221131_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T221151_20180120T222036_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T230126_20180120T230142_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T231919_20180120T232400_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T233257_20180120T233304_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T233505_20180120T233514_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20180120T233517_20180120T233532_C001	Attitude correction missing	The attitude has not been corrected

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_20180120T070635_20180120T070722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180120T072023_20180120T075458_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180120T172326_20180120T174951_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T025836_20180120T030019_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T102418_20180120T102651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T120119_20180120T120539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T120641_20180120T120750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T130534_20180120T130701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180120T134121_20180120T134647_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T015415_20180120T015526_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T035109_20180120T035517_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T052534_20180120T053557_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T103756_20180120T104135_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T134035_20180120T134121_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T171107_20180120T171339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180120T221151_20180120T222036_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:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180120T010333_20180120T011037_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Comparison Com	Product	Test Failed	Description
Description			The Ocean Range Averaging Status Flag has been set for one or more
Dec. Comp. Sept. Comp.	CS_OFFL_SIR_IOPM_2_20180120T001014_20180120T002039_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Description	CS_OFFL_SIR_IOPM_2_20180120T003742_20180120T003946_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Decomption The Committee	CS_OFFL_SIR_IOPM_2_20180120T004230_20180120T004444_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CR_OFF_BR_OFF_2_contratorrorsis_printeri	CS OFFL SIR IOPM 2 20180120T004625 20180120T005852 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Description of the control of the co	CS OFFL SIR IOPM 2 20180120T012523 20180120T012951 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
COUNTLINE, COMPLIQUORESTITURES, DISTORDISTORISES, COST COLICULAR INCIDENT Z. 2010/02/2019/19. 2010/02/2019/19. 2010/02/2019/19. 2010/02/2019/19. 2010/02/2019/19. 2010/2019/2019/2019/2019/2019/2019/2019/			The Ocean Range Averaging Status Flag has been set for one or more
COUNT_SEL_CONSTRUCTIONS_CONSTR			The Ocean Range Averaging Status Flag has been set for one or more
Col. CHE_SIN_LONG_2_201001201100000_10000001100000_COL.			The Ocean Range Averaging Status Flag has been set for one or more
Co., CHE, SR, DOM 2, 20180120TOX121_20180120TOX3252_20180 Open Range Averaging Status In Class Ra			The Ice Range Averaging Status Flag has been set for one or more
CB_OFF_BIL_OFM_2_7810120T00691_2010120T00695_C001 CB_OFF_BIL_OFM_2_7810120T00691_2010120T00695_C001 CB_OFF_BIL_OFM_2_7810120T00692_0010120T00695_C001 CB_OFF_BIL_OFM_2_7810120T00693_0010120T00695_C001 CB_OFF_BIL_OFM_2_7810120T00695_0010120T00695_C001 CB_OFF			
CB_OFFL_SR_OFM_2_2000127104091_20101010107_001 CB_OFFL_SR_OFM_2_2000127104091_20101010107_001 CB_OFFL_SR_OFM_2_2000127104091_20101010101010101010101010101010101010			
CG_OFF_BR_IOPM_2_20180120T044232_20180120T044233_20180120T04433_20		0 00	
CB_OFFL_SIR_LOPM_2_201801207104002_201801207104012_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104020_201801207104017_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104020_201801207104017_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104020_201801207104015_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104027_C018010507104712_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104027_C018010507104712_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104002_C01801207104712_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104002_C01801207104712_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104002_C01801207104712_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104002_C018012071047105_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_201801207104002_C0180120710405_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_20180120710405_C018012070405_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_20180120710405_C018012070405_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_20180120710405_C018012070405_C001 Obean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_20180120710405_C018012070405_C001 Obean Range Averaging Status The Cobean Range Averaging Status Flag has been ad for one or more record. CB_OFFL_SIR_LOPM_2_20180120710405_C0180120714040_C001 Obean Range Averaging Status The Cobean Range			
CS_OFFL_SIR_JOPM_2_20160120T006432_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006416_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006416_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006416_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006416_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006427_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006427_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006427_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006427_20160120T006450_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006410_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006410_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006410_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006410_C0160120T006603_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006607_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006600_COIL CS_OFFL_SIR_JOPM_2_20160120T006603_C0160120T006600_COIL CS_OFFL_SIR_JOPM_2_20160120T106603_C0160120T006600_COIL CS_OFFL_SIR_JOPM_2_20160120T106603_C0160120T006600_COIL CS_OFFL_SIR_JOPM_2_20160120T106603_C0160120T006600_			
Committee (Committee)			records.
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CS_OFFL_SIR_OPM2_201801201003105.0010 Code Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_OPM2_201801201070352_20180120104595_CO01 CS_OFFL_SIR_OPM2_201801201070352_20180120107459_CO01 CS_OFFL_SIR_OPM2_201801201070352_20180120107459_CO01 CS_OFFL_SIR_OPM2_201801201070352_20180120107459_CO01 CS_OFFL_SIR_OPM2_20180120100551_20180120108600_CO01 CS_OFFL_SIR_OPM2_20180120100605_20180120108000_CO01 CS_OFFL_SIR_OPM2_201801201008052_00180120108000_CO01 CS_OFFL_SIR_OPM2_20180120108052_00180120108000_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120108053_201801201090805_CO01 CS_OFFL_SIR_OPM2_201801201090805_201801201090805_CO01 CS_OFFL_SIR_OPM2_20180120109080			records.
CS_OFFL_SR_OPM_2_201801201003807_201801201070458_COID CS_OFFL_SR_OPM_2_20180120107033_201801201070458_COID CS_OFFL_SR_OPM_2_20180120107033_201801201070458_COID CS_OFFL_SR_OPM_2_20180120107033_201801201070458_COID CS_OFFL_SR_OPM_2_20180120107033_201801201070458_COID CS_OFFL_SR_OPM_2_201801201070003_20180120108003_COID CS_OFFL_SR_OPM_2_20180120108003_COIRED120108003_COID CS_OFFL_SR_OPM_2_20180120109003_COIRED120108003_COIRED1			records.
CS_OFFL_SIR_JOPM_2_201801207109655_201801207109686_CO1 CS_OFFL_SIR_JOPM_2_201801207109655_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_20180120709686_CO1 CS_OFFL_SIR_JOPM_2_20180120709686_CO10 CS_OFFL_SIR_JOPM_2_20180120709686_CO10102386_CO10 CS_OFFL_SIR_JOPM_2_20180120709686_CO10102386_CO10 CS_OFFL_SIR_JOPM_2_2018012070			records.
CS_OFFL_SIR_JOPM_2_2018012071070223_2018012071074585_0001 CS_OFFL_SIR_JOPM_2_20180120708005_201801207108003_0001 CS_OFFL_SIR_JOPM_2_20180120708005_20180120708003_0001 CS_OFFL_SIR_JOPM_2_20180120708005_20180120708003_0001 CS_OFFL_SIR_JOPM_2_20180120708005_2018012070807090001 CS_OFFL_SIR_JOPM_2_20180120708416_20180120708087_0001 CS_OFFL_SIR_JOPM_2_20180120708416_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_20180120708085_0001 CS_OFFL_SIR_JOPM_2_2018012070809_201801207090805_0001 CS_OFFL_SIR_JOPM_2_2018012070809_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207090805_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207109085_0001 CS_OFFL_SIR_JOPM_2_20180120709085_201801207109085_0001 CS_OFFL_SIR_JOPM_2_201801207109085_201801207109085_0001 CS_OFFL_SIR_JOPM_2_201801207109085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_201801207109085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_2018012071019085_201801207110236_0001 CS_OFFL_SIR_JOPM_2_201801207111908_201801207110236_0001 CS_OFFL_SIR_JOPM_2_201801207111908_201801207119001 CS_OFFL_SIR_JOPM_2_201801207111908_201801207119001 CS_OFFL_SIR_JOPM_2_201801207111908_201801207119001 CS_OFFL_SIR_JOPM_2_201801207119085_201801207119001 CS_OFFL_SIR_JOPM_2_201801207119085_2018012			records.
Cear Party Serging Status Figs (DMP 2_2018012071088082_2018012071080801_C0101 CS_OFFL_SIR_IOPM 2_2018012071088082_201801207108015151_C001 CS_OFFL_SIR_IOPM 2_2018012071088082_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080802_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080803_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080803_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080803_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080803_2018012071080857_C001 CS_OFFL_SIR_IOPM 2_2018012071080803_2018012071080903_2018012071080903_2018012071080903_2018012071080903_2018012071080903_20180120711080903_20180120711080903_20180120711080903_20180120711080903_20180120711080903_20180120711080903_2018012071080903_20180		Ocean Range Averaging Status	records.
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CS_OFFL_SIR_IOPM_2_20180120709476_20180120709475_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SIR_IOPM_2_20180120709476_201801207094309_C001 CS_OFFL_SIR_IOPM_2_20180120709406_20180120709409_C001 CS_OFFL_SIR_IOPM_2_201801207094071_201801207109409_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109409_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109409_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109409_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109450_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109450_C001 CS_OFFL_SIR_IOPM_2_201801207109471_201801207109450_C001 CS_OFFL_SIR_IOPM_2_201801207104135_20180120710236_C001 CS_OFFL_SIR_IOPM_2_201801207104135_20180120710236_C001 CS_OFFL_SIR_IOPM_2_201801207104135_20180120710236_C001 CS_OFFL_SIR_IOPM_2_201801207104135_201801207110206_C001 CS_OFFL_SIR_IOPM_2_201801207104135_201801207110206_C001 CS_OFFL_SIR_IOPM_2_201801207104135_201801207110401 CS_OFFL_SIR_IOPM_2_201801207104135_2018012071111049_C001 CS_OFFL_SIR_IOPM_2_2018012071110206_2018012071112207_C001 CS_OFFL_SIR_IOPM_2_201801207112006_2018012071112207_C001 CS_OFFL_SIR_IOPM_2_201801207112006_201801207111430_C001 CS_OFFL_SIR_IOPM_2_201801207112006_201801207113200_C001 CS_OFFL_SIR_IOPM_2_201801207112006_201801207113249_C001 CS_OFFL_SIR_IOPM_2_201801207112006_201801207113249_C001 CS_OFFL_SIR_IOPM_2_201801207112006_201801207113249_C001 CCS_OFFL_SIR_IOPM_2_201801207112006_201801207113490_C001 CCS_OFFL_SIR_IOPM_2_201801207112006_201801207113490_C001 CCS_OFFL_SIR_IOPM_2_201801207112006_201801207113490_C001 CCS_OFFL_SIR_IOPM_2_201801207112006_201801207113490_C001 CCS_OFFL_SIR_IOPM_2_201801207112006_201801207113490_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			records.
CS_OFFL_SIR_IOPM_2_20180120T1092746_20180120T109333_C001 CS_OFFL_SIR_IOPM_2_20180120T109308_20180120T1094050_C001 CS_OFFL_SIR_IOPM_2_20180120T1094058_20180120T1094050_C001 CS_OFFL_SIR_IOPM_2_20180120T1094058_20180120T1094050_C001 CS_OFFL_SIR_IOPM_2_20180120T1094058_20180120T1094050_C001 CS_OFFL_SIR_IOPM_2_20180120T1094058_20180120T1040918_C001 CS_OFFL_SIR_IOPM_2_20180120T109852_20180120T1040918_C001 CS_OFFL_SIR_IOPM_2_20180120T109852_20180120T1040918_C001 CS_OFFL_SIR_IOPM_2_20180120T109852_20180120T104031_C001 CS_OFFL_SIR_IOPM_2_20180120T104055_20180120T102386_C001 CS_OFFL_SIR_IOPM_2_20180120T10455_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10455_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T111405_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T111405_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T111405_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T111405_20180120T1112227_C001 CS_OFFL_SIR_IOPM_2_20180120T11305_20180120T112227_C001 CS_OFFL_SIR_IOPM_2_20180120T11305_20180120T112227_C001 CS_OFFL_SIR_IOPM_2_20180120T11305_20180120T112227_C001 CS_OFFL_SIR_IOPM_2_20180120T11305_20180120T1122119_C001 CS_OFFL_SIR_IOPM_2_20180120T11305_20180120T1123419_C001 CS_OFFL_SIR_IOPM_2_20180120T132332_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T132332_20180120T132307_C001 CS_OFFL_SIR_IOPM_2_20180120T13332_20180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T13332_20180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T13332_20180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_20180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_C0180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_C0180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_C0180120T133043_C001 CS_OFFL_SIR_IOPM_2_20180120T133043_C0180120T133043_C001 CS_OFFL_S			records.
CS_OFFL_SIR_IOPM_2_20180120T094058_20180120T109450_C001 CS_OFFL_SIR_IOPM_2_20180120T094058_20180120T109450_C001 CS_OFFL_SIR_IOPM_2_20180120T094058_20180120T109450_C001 CS_OFFL_SIR_IOPM_2_20180120T109552_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T109552_20180120T101431_C001 CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T101431_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T112227_C001 CS_OFFL_SIR_IOPM_2_20180120T11208_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T11436_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T11435_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T11435_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T11435_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T114305_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T114305_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T114305_20180120T114300_C001 CS_OFFL_SIR_IOPM_2_20180120T114300_C0180120T144300_C001 CS_OFFL_SIR_IOPM_2_20180120T114300_C0180120T144300_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T125147_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132419_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132419_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132449_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T130730_20180120T133040_C001 CS_OFF		Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T099458_20180120T099450_C001 CS_OFFL_SIR_IOPM_2_20180120T0994711_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T10952_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T100918_C001 CS_OFFL_SIR_IOPM_2_20180120T101435_20180120T10236_C001 CS_OFFL_SIR_IOPM_2_20180120T101435_20180120T10236_C001 CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T10236_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T114208_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T114208_20180120T111949_C001 CS_OFFL_SIR_IOPM_2_20180120T114208_20180120T111949_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T114202_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T1149_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T1149_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T1149_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T1120119_C001 CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T120119_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T122319_C001 CS_OFFL_SIR_IOPM_2_20180120T123323_20180120T125417_C001 CS_OFFL_SIR_IOPM_2_20180120T123632_20180120T125417_C001 CS_OFFL_SIR_IOPM_2_20180120T123532_20180120T125417_C001 CS_OFFL_SIR_IOPM_2_20180120T123532_20180120T125547_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T125547_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T130347_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T13036_C001 CS_OFFL_SIR_IOPM_2_20180120T133447_20180120T13366_C001 CS_OFFL_SIR_IOPM_2_20180120T134532_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T134547_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135452_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135452_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135452_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135452_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135452_20180120T13360_C001 CS_OFFL_SIR_IOPM_2_20180120T135450_D13566_C001 CS_OFFL_SIR_IOPM_2_201		Ocean Range Averaging Status	records.
CS_OFFL_SIR_JOPM_2_20180120T094711_20180120T109415_C0001 Ocean Range Averaging Status CS_OFFL_SIR_JOPM_2_20180120T109552_20180120T101431_C0001 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 Averag	CS_OFFL_SIR_IOPM_2_20180120T093908_20180120T094050_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T10431_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T10431_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T104135_20180120T113036_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T11446_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T114208_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T112008_20180120T111305_C001 CS_OFFL_SIR_IOPM_2_20180120T112008_20180120T1112227_C001 CS_OFFL_SIR_IOPM_2_20180120T112008_20180120T114227_C001 CS_OFFL_SIR_IOPM_2_20180120T114208_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T12119_C001 CS_OFFL_SIR_IOPM_2_20180120T122303_20180120T124319_C001 CS_OFFL_SIR_IOPM_2_20180120T122303_20180120T124319_C001 CS_OFFL_SIR_IOPM_2_20180120T122303_20180120T124319_C001 CS_OFFL_SIR_IOPM_2_20180120T123052_20180120T12547_C001 CS_OFFL_SIR_IOPM_2_20180120T125552_20180120T12547_C001 CS_OFFL_SIR_IOPM_2_20180120T125552_20180120T12547_C001 CS_OFFL_SIR_IOPM_2_20180120T125552_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125552_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T133626_20001 CS_OFFL_SIR_IOPM_2_20180120T133626_C0001 CS_OFFL_SIR_IOPM_2_20180120T133626_C0001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1433048_C0001 CS_OFFL_SIR_IOPM_2_20180120T1433040_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1433040_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1433040_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1444413_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1433040_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1444413_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T1433040_C0010 CCS_OFFL_SIR_IOPM_2_20180120T1433040_C0010 CCS_OFFL_SIR_IOPM_2_20180120T1433040_C0010 CCS_OFFL_SIR_IOPM_2_20180120T1433040_C0010 CCS_OFFL_SIR_IOPM_2_20180120T1433	CS_OFFL_SIR_IOPM_2_20180120T094058_20180120T094509_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T10435_20180120T102336_CO01 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20180120T102336_C0180120T102336_CO01 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The 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 Sta	CS_OFFL_SIR_IOPM_2_20180120T094711_20180120T100918_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T1043S_20180120T102356_C001 CS_OFFL_SIR_IOPM_2_20180120T102236_20180120T102336_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T11426_20180120T111194_C001 CS_OFFL_SIR_IOPM_2_20180120T111208_20180120T111227_C001 CS_OFFL_SIR_IOPM_2_20180120T110208_20180120T11227_C001 CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T114305_20180120T112000 CS_OFFL_SIR_IOPM_2_20180120T114280_20180120T120119_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T125522_20180120T12547_C001 CS_OFFL_SIR_IOPM_2_20180120T125522_20180120T12547_C001 CS_OFFL_SIR_IOPM_2_20180120T125522_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T134323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143800_C010 CS_OFFL_SIR_IOPM_2_20180120T143800_C010	CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T101431_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T104135_20180120T111301_C001 CS_OFFL_SIR_IOPM_2_20180120T111208_20180120T1112227_C001 Ice Range Averaging Status 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 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. CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T114320_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20180120T122303_20180120T123419_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T123623_20180120T125417_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T125632_20180120T12547_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T130043_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T133062_C001 Ocean 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 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T133247_20180120T133062_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 be	CS_OFFL_SIR_IOPM_2_20180120T101435_20180120T102236_C001	Ocean Range Averaging Status	records.
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CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T114320_C001 CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T120119_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T12303_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T123623_20180120T123419_C001 CS_OFFL_SIR_IOPM_2_20180120T123623_20180120T125147_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125447_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T14543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T14543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T14543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T14543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T14543_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T1444413_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T1444413_20180120T1	CS_OFFL_SIR_IOPM_2_20180120T111426_20180120T111949_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T114329_20180120T114329_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 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 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 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 Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for o	CS_OFFL_SIR_IOPM_2_20180120T112008_20180120T112227_C001	Ice Range Averaging Status	records.
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CS_OFFL_SIR_IOPM_2_20180120T123623_20180120T125147_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T1444413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T1551118_C001 CCS_OFFL_SIR_IOPM_2_20180120T144413_20180120T1551118_C001 CCS_OFFL_SIR_IOPM_2_	CS_OFFL_SIR_IOPM_2_20180120T114429_20180120T120119_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125847_C001 CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T143247_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001	CS_OFFL_SIR_IOPM_2_20180120T122303_20180120T123419_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T125925_20180120T130043_C001 Loe Range Averaging Status CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_C001 CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T143043_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T143043_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 CS_OFFL_SIR_IOPM_2_2018	CS_OFFL_SIR_IOPM_2_20180120T123623_20180120T125147_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T132047_2001	CS_OFFL_SIR_IOPM_2_20180120T125352_20180120T125847_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001 CS_OFFL_SIR_IOPM_2_20180120T1436247_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T151118_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The loe 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_20180120T125925_20180120T130043_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001 CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001 Ice Range Averaging Status CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 Ice Range Averaging Status The loce Range Averaging Status Flag has been set for one or more records. The loce Range Averaging Status Flag has been set for one or more records. The loce 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_20180120T130736_20180120T132007_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143800_C001 Loc Range Averaging Status Loc Range Averaging Status The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. The loc Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001 CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180120T132447_20180120T133626_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001	CS_OFFL_SIR_IOPM_2_20180120T141543_20180120T143048_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20180120T143617_C001	CS_OFFL_SIR_IOPM_2_20180120T143323_20180120T143800_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201801201144413_201801201151118_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180120T143804_20180120T143817_C001	Ice Range Averaging Status	records.
The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180120T154453_20180120T161040_C001 Ocean Range Averaging Status records.	CS_OFFL_SIR_IOPM_2_20180120T154453_20180120T161040_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180120T161330_20180120T161714_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T161721_20180120T161730_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T162326_20180120T163532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T164102_20180120T165054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T172326_20180120T174951_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T175136_20180120T175628_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T175635_20180120T180004_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T180406_20180120T181444_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T182004_20180120T183802_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T185052_20180120T185223_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T192318_20180120T192441_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T194251_20180120T200458_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T200744_20180120T201638_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T202943_20180120T203219_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T204858_20180120T210848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T211055_20180120T211555_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T212159_20180120T215449_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T222036_20180120T224332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T225307_20180120T225459_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T230142_20180120T231919_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T232400_20180120T233235_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T234703_20180120T234949_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T112227_20180120T112413_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T122100_20180120T122303_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T125209_20180120T125352_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T125918_20180120T125925_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T134121_20180120T134647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T143953_20180120T144325_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T161102_20180120T161330_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180120T020946_20180120T021113_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180120T163532_20180120T164102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180119T235216_20180120T000811_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_20180120T001014_20180120T002039_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_20180120T003742_20180120T003946_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T004230_20180120T004444_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_20180120T004625_20180120T005852_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_20180120T012523_20180120T012951_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T013158_20180120T014637_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_20180120T014817_20180120T015059_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_20180120T023341_20180120T025747_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_20180120T030019_20180120T030858_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T031121_20180120T033622_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_20180120T040816_20180120T043611_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_20180120T043947_20180120T044117_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T044233_20180120T044653_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T045000_20180120T051637_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_20180120T054331_20180120T055847_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_20180120T060420_20180120T061517_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_20180120T062146_20180120T062732_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T062914_20180120T063515_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T063927_20180120T064558_C001	SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T072023_20180120T075458_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T080051_20180120T080603_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180120T081120_20180120T082709_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T084316_20180120T084352_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T085939_20180120T090857_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T091057_20180120T092735_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T092746_20180120T093333_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180120T093908_20180120T094050_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180120T094058_20180120T094509_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180120T094711_20180120T100918_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.
CS_OFFL_SIR_IOPM_2_20180120T100952_20180120T101431_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T101435_20180120T102236_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_20180120T104135_20180120T111301_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_20180120T111426_20180120T111949_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T112008_20180120T112227_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T113055_20180120T114320_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_20180120T114429_20180120T120119_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_20180120T122303_20180120T123419_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_20180120T123623_20180120T125147_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_20180120T125352_20180120T125847_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T130736_20180120T132007_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_20180120T132447_20180120T133626_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_20180120T141543_20180120T143048_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_20180120T143323_20180120T143800_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T143823_20180120T143832_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T144413_20180120T151118_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_20180120T154453_20180120T161040_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_20180120T161330_20180120T161714_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T161721_20180120T161730_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T162326_20180120T163532_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_20180120T164102_20180120T165054_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_20180120T172326_20180120T174951_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_20180120T175136_20180120T175628_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T180406_20180120T181444_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_20180120T182004_20180120T183802_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_20180120T185052_20180120T185223_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_20180120T192318_20180120T192441_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_20180120T192641_20180120T192931_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_20180120T193132_20180120T193658_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T194251_20180120T200458_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_20180120T200744_20180120T201638_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_20180120T202943_20180120T203219_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T204858_20180120T210848_C001	Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	22000000000 Averaging status	,

CS_OFFL_SIR_IOPM_2_20180120T211055_20180120T211555_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T212159_20180120T215449_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_20180120T222036_20180120T224332_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_20180120T225307_20180120T225459_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180120T230142_20180120T231919_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_20180120T232400_20180120T233235_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_20180120T234703_20180120T234949_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T112227_20180120T112413_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_20180120T122100_20180120T122303_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_20180120T125209_20180120T125352_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T125918_20180120T125925_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180120T134121_20180120T134647_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_20180120T143953_20180120T144325_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_20180120T161102_20180120T161330_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180120T020946_20180120T021113_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180120T163532_20180120T164102_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: 58

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: 0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180120T003457_20180120T012436_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors: 29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180119T234522_20180120T003457_C003	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T003457_20180120T012436_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_220180120T012436_20180120T021410_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_220180120T021410_20180120T030349_C001	Cicean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T030349_20180120T035324_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_220180120T035324_20180120T044303_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180120T044303_20180120T053238_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_220180120T053238_20180120T062217_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T062217_20180120T071151_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_220180120T071151_20180120T080130_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T080130_20180120T085105_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_220180120T085105_20180120T094044_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_220180120T094044_20180120T103018_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_220180120T103018_20180120T111957_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_220180120T111957_20180120T120932_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_220180120T120932_20180120T125911_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_220180120T125911_20180120T134845_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_220180120T134845_20180120T143824_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_220180120T143824_20180120T152759_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T152759_20180120T161738_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_220180120T161738_20180120T170713_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T170713_20180120T175652_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_220180120T175652_20180120T184626_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T184626_20180120T193605_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_220180120T193605_20180120T202540_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_220180120T202540_20180120T211519_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T211519_20180120T220453_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_220180120T220453_20180120T225432_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180120T225432_20180120T234407_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

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. 29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180119T234522_20180120T003457_C003	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_20180120T003457_20180120T012436_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_20180120T012436_20180120T021410_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_220180120T021410_20180120T030349_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_220180120T030349_20180120T035324_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_20180120T035324_20180120T044303_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_20180120T044303_20180120T053238_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_220180120T053238_20180120T062217_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_20180120T062217_20180120T071151_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_220180120T071151_20180120T080130_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_20180120T080130_20180120T085105_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_220180120T085105_20180120T094044_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_20180120T094044_20180120T103018_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_20180120T103018_20180120T111957_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_220180120T111957_20180120T120932_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_20180120T120932_20180120T125911_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

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

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

Product Test Failed Description CS_OFFL_SIR_IOP_2__20180119T234522_20180120T003457_C003 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T003457_20180120T012436_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T012436_20180120T021410_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T021410_20180120T030349_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T030349_20180120T035324_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T035324_20180120T044303_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS_OFFL_SIR_IOP_2__20180120T044303_20180120T053238_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T053238_20180120T062217_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T062217_20180120T071151_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20180120T071151 20180120T080130 C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS_OFFL_SIR_IOP_2__20180120T080130_20180120T085105_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T085105_20180120T094044_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20180120T094044 20180120T103018 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T103018_20180120T111957_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records CS_OFFL_SIR_IOP_2__20180120T111957_20180120T120932_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20180120T120932 20180120T125911 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T125911_20180120T134845_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS OFFL SIR IOP 2 20180120T134845 20180120T143824 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T143824_20180120T152759_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T161738_20180120T170713_C001 Ocean Retracking Quality Flag he Ocean Retracking Quality Flag has been set for one or more records CS OFFL SIR IOP 2 20180120T170713 20180120T175652 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T184626_20180120T193605_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T193605_20180120T202540_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T202540_20180120T211519_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T211519_20180120T220453_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T220453_20180120T225432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2__20180120T225432_20180120T234407_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag