



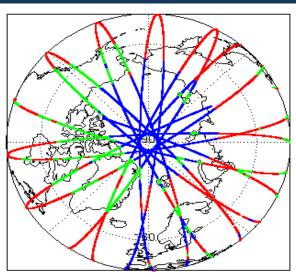
1. Overview

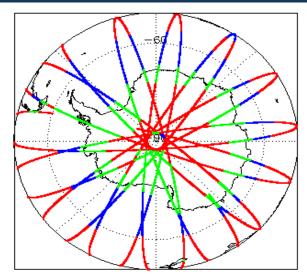
Report Production:	12-Sep-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

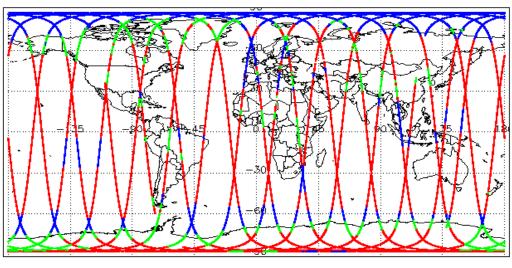
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

Wilssion / Ilistrument News		
09-Sep-2018	None	
10-Sep-2018	None	
11-Sep-2018	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

23

CS_OFFL_SIR_IOPM1B_20180910T013420_20180910T025054_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T033930_20180910T025054_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T0131419_20180910T03352_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T03417_20180910T0332_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T032026_20180910T032118_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T131425_20180910T131538_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T131425_20180910T131538_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T131425_20180910T131538_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T131425_20180910T135309_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T135208_20180910T15509_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T194342_20180910T194424_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T194362_20180910T194704_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T194362_20180910T194704_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T034458_20180910T032002_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T043202_20_180910T032002_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T043320_20180910T032002_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPM1B_20180910T043532_20180910T1032002_C001 Loss of Echo The tracki	Product	Test Failed	Description
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CS_OFFL_SIR_IOPN1B_20180910T082026_20180910T13914_C001	CS_OFFL_SIR_IOPM1B_20180910T131949_20180910T133650_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180910T13532_20180910T13906_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T131425_20180910T131948_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T13719_20180910T135309_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T162844_20180910T162910_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T194336_20180910T194244_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T194336_20180910T194424_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T194642_20180910T194704_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T230613_20180910T0320368_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T031458_20180910T032020_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T045320_20180910T050056_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T094758_20180910T095524_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T124605_20180910T10720_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T135109_20180910T135208_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T130910T181411_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T130910T181411_C001 Loss of Echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_IOPN1B_20180910T13	CS_OFFL_SIR_IOPN1B_20180910T013417_20180910T013632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPNIB_20180910T131425_20180910T131538_C001 CS_OFFL_SIR_IOPNIB_20180910T131719_20180910T131948_C001 CS_OFFL_SIR_IOPNIB_20180910T135208_20180910T135309_C001 CS_OFFL_SIR_IOPNIB_20180910T135208_20180910T135309_C001 CS_OFFL_SIR_IOPNIB_20180910T162844_20180910T162910_C001 CS_OFFL_SIR_IOPNIB_20180910T194336_20180910T194424_C001 CS_OFFL_SIR_IOPNIB_20180910T194336_20180910T194424_C001 CS_OFFL_SIR_IOPNIB_20180910T194464_20180910T1944704_C001 CS_OFFL_SIR_IOPNIB_20180910T194642_20180910T194704_C001 CS_OFFL_SIR_IOPNIB_20180910T230613_20180910T230638_C001 CS_OFFL_SIR_IOPNIB_20180910T031458_20180910T032020_C001 CS_OFFL_SIR_IOPNIB_20180910T031458_20180910T032020_C001 CS_OFFL_SIR_IOPNIB_20180910T045320_20180910T050056_C001 CS_OFFL_SIR_IOPRIB_20180910T063035_20180910T0630811_C001 CS_OFFL_SIR_IOPRIB_20180910T094758_20180910T1095524_C001 CS_OFFL_SIR_IOPRIB_20180910T095954_20180910T10200_C001 CS_OFFL_SIR_IOPRIB_20180910T124605_20180910T1042807_C001 CS_OFFL_SIR_IOPRIB_20180910T124605_20180910T135208_C001 CS_OFFL_SIR_IOPRIB_20180910T135109_20180910T135208_C001 CS_OFFL_SIR_IOPRIB_20180910T135109_20180910T135208_C001 CS_OFFL_SIR_IOPRIB_20180910T10373_20180910T181411_C001 CS_OFFL_SIR_IOPRIB_20180910T107739_20180910T1847_C001 CS_OFFL_SIR_IOPRIB_20180910T1077730_20180910T1847_C001 CS_OFFL_SIR_IOPRIB_20180910T1077773_20180910T1847_C001 CS_OFFL_SIR_IOPRIB_20180910T1077773_20180910T1847_C001 CS_OFFL_SIR_IOPRIB_20180910T117779_20180910T11847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001 CS_OFFL_SIR_IOPRIB_20180910T211779_20180910T211847_C001	CS_OFFL_SIR_IOPN1B_20180910T082026_20180910T082118_C001	Loss of Echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_IOPR1B_20180910T045320_20180910T050056_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20180910T230613_20180910T230638_C001	Loss of Echo	The tracking echo is missing for one or more records
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	CS_OFFL_SIR_IOPR1B_20180910T180733_20180910T181411_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180910T222411_20180910T222816_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPR1B_20180910T211739_20180910T211847_C001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_IOPR1B_20180910T222411_20180910T222816_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

0

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.

Company Comp	Product.	T4 F-11-4	Description
Section 1 Displacements 2018 Displace	Product CS OFFL SIR IOPM 2 20180910T000446 20180910T001911 C001	Test Failed Ocean Range Averaging Status	
10 Corp. an import_2 posted or mode and control			The Ocean Range Averaging Status Flag has been set for one or more
COUNTLINE COUNTL			The Ice Range Averaging Status Flag has been set for one or more
ES CHE, BRI (DML 2 DISSONITIONES 200001000000 CIDID OCEAN FARSA AVERAGE SIMULATION OF THE AREA AVERAGE SIMULATION OCEAN FARSA AVERAGE SIMULATION OCEAN FARS			The Ice Range Averaging Status Flag has been set for one or more
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COLOTE, SIR, COMA 2, 20180910100001, 2018000010301, 20180 COLOTE, SIR, COMA 2, 201809101000001, 2018000010301, 201800010301,			
COUTTLES (LONAL) 201800/0710301_0000/07103016_COUTTLES (COUTTLES (LONAL) 201800/07103016_COUTTLES (
CO. OFTE, SR, 10MI 2 21800/10T0310 20180/10T00310 2018 0018 0018 0018 0018 0018 0018 00			
Co. OFT. SRI, OFM. 2. 201999/0702235 201999/0702235 2019 Co. OFT. SRI, OFM. 2. 201999/0702235 201999/0702235 2019 Co. OFT. SRI, OFM. 2. 201999/0702235 201999/0702235 2019 Co. OFT. SRI, OFM. 2. 201999/0702235 20199/0702235 2019 Co. OFT. SRI, OFM. 2. 201999/0702235 20199/0702235 2019 Co. OFT. SRI, OFM. 2. 201999/070235 20199/070235 2019 Co. OFT. SRI, OFM. 2. 201999/070235 20199/07			
CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702293_2018091702295_C001 CS_OFFL_SR_OFM_2_D18091702295_D18091702295_C001 CS_OFFL_SR_OFM_2_D18091702295_			
CS_OFF_SR_OFM_2_20100910702091_20100010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0010010702091_0			
CB_OFF_SR_OPM_2_prison/ordizable_prison/ordizable_colors CG_OFF_SR_OPM_2_prison/ordizable_prison/ordizable_colors CG_OFF_SR_OPM_2_			
CS_OFFL_SIR_IOPM_2_201809107005182_0018010702593_0010 Cs_OFFL_SIR_IOPM_2_201809107005969_0018010702577_0010 Cs_OFFL_SIR_IOPM_2_201809107005069_0018010702577_0010 Cs_OFFL_SIR_IOPM_2_201809107005069_0018010702577_0010 Cs_OFFL_SIR_IOPM_2_201809107005069_0018010702577_0010 Cs_OFFL_SIR_IOPM_2_201809107005069_0018010702577_0010 Cs_OFFL_SIR_IOPM_2_20180910700507_001801070507_0010 Cs_OFFL_SIR_IOPM_2_20180910700507_001801070507_0010 Cs_OFFL_SIR_IOPM_2_20180910700507_001801070507_0010 Cs_OFFL_SIR_IOPM_2_20180910700507_001801070507_0010 Cs_OFFL_SIR_IOPM_2_20180910700507_001801070507_0010 Cs_OFFL_SIR_IOPM_2_201809107050508_00180107050800_0010 Cs_OFFL_SIR_IOPM_2_201809107050508_00180107050800_0			records.
CS_OFFL_SIR_OPM2_201809107003042_201809107003727_2001 CS_OFFL_SIR_OPM2_201809107003042_201809107003727_2001 CS_OFFL_SIR_OPM2_201809107030342_201809107030372_2001 CS_OFFL_SIR_OPM2_201809107030342_201809107030372_2001 CS_OFFL_SIR_OPM2_201809107030342_201809107030372_2001 CS_OFFL_SIR_OPM2_201809107030342_201809107030372_2001 CS_OFFL_SIR_OPM2_201809107030342_20180910703032_2001 CS_OFFL_SIR_OPM2_201809107030342_20180910703032_2001 CS_OFFL_SIR_OPM2_201809107030342_2001 CS_OFFL_SIR_OPM2_201809107030342_20180910703032_2001 CS_OFFL_SIR_OPM2_201809107030342_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_2001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_0001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_0001 CS_OFFL_SIR_OPM2_201809107030342_2001010703434_0001 CS_OFFL_SIR_OPM2_20180910703042_201809107033432_0001 CS_OFFL_SIR_OPM2_201809107034342_00180107034340001 CS_OFFL_SI			
SCOPE, SIR, DPML 2. 2018091071039342, 2018091071039728, CODI CS, OPFL, SIR, DPML 2. 2018091071039732, 2018091071039732, CODI CS, OPFL, SIR, DPML 2. 201809107040973, 2018091071039732, CODI CS, OPFL, SIR, DPML 2. 201809107040973, 2018091071039732, CODI CS, OPFL, SIR, DPML 2. 201809107040973, 201809107040973, CODI CS, OPFL, SIR, DPML 2. 201809107040973, 201809107054097, CODI CS, OPFL, SIR, DPML 2. 201809107041973, 201809107054097, CODI CS, OPFL, SIR, DPML 2. 201809107054197, 201809107054097, CODI CS, OPFL, SIR, DPML 2. 201809107074947, 201809107074847, CODI CS, OPFL, SIR, DPML 2. 201809107077484, CODI CS, OPFL, SIR, DPML 2. 201809107078497, CODI CS, OPFL, SIR, DPML 2. 201809107078			records.
CS_OFFL_SR_DPW_2_201609107013412_0160910703726_001 CS_OFFL_SR_DPW_2_201609107040713_20160910704071_001 CS_OFFL_SR_DPW_2_201609107040713_20160910704071_001 CS_OFFL_SR_DPW_2_201609107040713_20160910704071_001 CS_OFFL_SR_DPW_2_201609107040713_20160910704072_001 CS_OFFL_SR_DPW_2_201609107040713_20160910704072_001 CS_OFFL_SR_DPW_2_20160910704090_07160910704090_001 CS_OFFL_SR_DPW_2_20160910704090_07160910704090_001 CS_OFFL_SR_DPW_2_20160910704090_07160910704090_001 CS_OFFL_SR_DPW_2_20160910704090_07160910704090_001 CS_OFFL_SR_DPW_2_20160910704090_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_07160910704090_001 CS_OFFL_SR_DPW_2_20160910705412_071609107062090_001 CS_OFFL_SR_DPW_2_20160910705412_071609107062090_001 CS_OFFL_SR_DPW_2_20160910705412_071609107062090_001 CS_OFFL_SR_DPW_2_201609107071412_071609107072090_001 CS_OFFL_SR_DPW_2_201609107071412_071609107072090_001 CS_OFFL_SR_DPW_2_201609107071412_071609107072090_001 CS_OFFL_SR_DPW_2_201609107072090_00107072090_001 CS_OFFL_SR_DPW_2_201609107072090_0010609000_0010609000000000000000000			records.
Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SR_UPM_2_201809/01704/013_201809/01704/15_2000 Ocean Range Averaging Status The Docan Range Averaging Status Flag has been set for one or more records. CS_OFFL_SR_UPM_2_201809/01704/13_201809/01704/15_2000 Ocean Range Averaging Status The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Status Flag has been set for one or more records. The Docan Range Averaging Statu			records.
SC. OFFL. SIR. (DPM. 2. 20180910764073, 201809107104107. C001 CS. OFFL. SIR. (DPM. 2. 20180910764073, 20180910705033, C001 CS. OFFL. SIR. (DPM. 2. 20180910765096, 20180910705033, C001 CS. OFFL. SIR. (DPM. 2. 20180910705096, 20180910705033, C001 CS. OFFL. SIR. (DPM. 2. 20180910705096, 20180910705033, C001 CS. OFFL. SIR. (DPM. 2. 20180910705032, 20180910705033, C001 CS. OFFL. SIR. (DPM. 2. 201809107054032, 201809107054032, C001) CS. OFFL. SIR. (DPM. 2. 201809107054032, 20100) CS. OFFL. SIR. (DPM. 2. 20180910707403, 20180910707434, C001) CS. OFFL. SIR. (DPM. 2. 20180910707403, 20180910707434, C001) CS. OFFL. SIR. (DPM. 2. 20180910707343, 201809107078050, C001) CS. OFFL. SIR. (DPM. 2. 20180910707343, 201809107080551, C001) CS. OFFL. SIR. (DPM. 2. 20180910708051, 201809107080551, C001) CS. OFFL. SIR. (DPM. 2. 20180910708051, 201809107080551, C001) CS. OFFL. SIR. (DPM. 2. 201809107108051, 201809107080551, C001) CS. OFFL. SIR. (DPM.			records.
CS_OFFL_SR_IOPM_2_20180910704418_20180910704414_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910704492_201001004409_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910706492_20180910706493_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910706492_20180910706283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107072082_20180910707283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107072082_20180910707283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107072082_20180910707283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910707208_20180910707283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910707242_0180910707283_C001 Ocean Range Averaging Status The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107091242_0180910709475_C001 Ocean Range Averaging			records.
CS_OFFL_SR_JOPM_2_20180910T050360_20180910T050372_C001 CS_OFFL_SR_JOPM_2_20180910T050312_20180910T050372_C001 CS_OFFL_SR_JOPM_2_20180910T050312_20180910T050372_C001 CS_OFFL_SR_JOPM_2_20180910T05405_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T054012_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T054012_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T054012_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T054012_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T054012_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T05402_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T05402_20180910T05409_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T074039_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T08042_20180910T08062_C001 CS_OFFL_SR_JOPM_2_20180910T07402_20180910T08062_C001 CS_OFFL_SR_JOPM_2_20180910T0804_20180910T08062_C001 CS_OFFL_SR_JOPM_2_20180910T0804_20180910T08062_C001 CS_OFFL_SR_JOPM_2_20180910T0804_20180910T080645_C001 CS_OFFL_SR_JOPM_2_20180910T0804_20180910T080645_C001 CS_OFFL_SR_JOPM_2_20180910T08042_20180910T080645_C001 CS_OFFL_SR_JOPM_2_20180910T08042_20180910T1080645_C001 CS_OFFL_SR_JOPM_2_20180910T08042_20180910T104476_C001 CS_OFFL_SR_JOPM_2_20180910T081320_20180910T114769_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114760_C001 CS_OFFL_SR_JOPM_2_20180910T13409_20180910T114740_C001 CS_OFFL_SR_JOPM_2_20180910T14909_20180910T142430_C001 CS_OFFL_SR_JOPM_2_20180910T14909_20180910T142430_C001 CS_OFFL_SR_JOPM_2_20180910T14909_20180910T142430_C001 CS			records.
CS_OFFL_SIR_JOPM_2_20180910T054312_20180910T054592_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_20180910T054593_0001 CS_OFFL_SIR_JOPM_2_20180910T054512_0180910T05434_0001 CS_OFFL_SIR_JOPM_2_20180910T07255_0180910T072533_0001 CS_OFFL_SIR_JOPM_2_20180910T07255_0180910T072533_0001 CS_OFFL_SIR_JOPM_2_20180910T07255_0180910T0725340_0001 CS_OFFL_SIR_JOPM_2_20180910T07255_0180910T072500_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T072500_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080520_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080520_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080520_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080520_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080520_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080531_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080531_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080531_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080531_0001 CS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080559_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080559_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T080559_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T073450_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T073450_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T073450_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T073450_0001 CCS_OFFL_SIR_JOPM_2_20180910T073452_0180910T073450_0001 CCS_OFFL_SIR_JOPM_2_20180910T073450_001000172570_0001 CCS_OFFL_SIR_JOPM_2_20180910T073450_00100172570_0001 CCS_OFFL_SIR_JOPM_2_20180910T153490_0180910T152590_0001 CCS_OFFL_SIR_JOPM_2_20180910T153490_0180910T152590_0001 CCS_OFFL_SIR_JOPM_2_20180910T135490_0180910T152590_0001 CCS_OFFL_SIR_JOPM_2_20180910T135490_0180910T152590_0001 CCS_OFFL_SIR_JOPM_2			records.
CS_OFFL_SIR_IOPM_2_20180910T05405_20180910T054095_C0010 CS_OFFL_SIR_IOPM_2_20180910T05405_20180910T054093_C0011 CS_OFFL_SIR_IOPM_2_20180910T054032_20180910T054093_C0011 CS_OFFL_SIR_IOPM_2_20180910T054032_20180910T054032_C0010 CS_OFFL_SIR_IOPM_2_20180910T054032_20180910T062403_C0010 CS_OFFL_SIR_IOPM_2_20180910T072452_20180910T076243_C0010 CS_OFFL_SIR_IOPM_2_20180910T072452_20180910T076243_C00110 CS_OFFL_SIR_IOPM_2_20180910T072055_20180910T076243_C00110 CS_OFFL_SIR_IOPM_2_20180910T072055_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072055_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072055_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072635_C00110 CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072640_C00110 CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072640_C00110 CS_OFFL_SIR_IOPM_2_20180910T070426_20180910T080620_C00110 CS_OFFL_SIR_IOPM_2_20180910T083742_20180910T080620_C00110 CS_OFFL_SIR_IOPM_2_20180910T083742_20180910T080620_C00110 CS_OFFL_SIR_IOPM_2_20180910T08021_20180910T080620_C00110 CS_OFFL_SIR_IOPM_2_20180910T08021_20180910T080631_C00110 CS_OFFL_SIR_IOPM_2_20180910T08021_20180910T080631_C00110 CS_OFFL_SIR_IOPM_2_20180910T08031_20180910T080631_C00110 CS_OFFL_SIR_IOPM_2_20180910T080320_20180910T080631_C00110 CS_OFFL_SIR_IOPM_2_20180910T083730_20180910T086540_C00110 CS_OFFL_SIR_IOPM_2_20180910T105320_20180910T096551_C00110 CS_OFFL_SIR_IOPM_2_20180910T105320_20180910T104426_C00110 CS_OFFL_SIR_IOPM_2_20180910T105320_20180910T104426_C00110 CCS_OFFL_SIR_IOPM_2_20180910T115340_20180910T112756_C00110 CCS_OFFL_SIR_IOPM_2_20180910T115340_20180910T112756_C00110 CCS_OFFL_SIR_IOPM_2_20180910T1134040_20180910T112756_C00110 CCS_OFFL_SIR_IOPM_2_20180910T1134040_20180910T112756_C00110 CCS_OFFL_SIR_IOPM_2_20180910T1134040_20180910T112756_C00110 CCS_OFFL_SIR_IOPM_2_20180910T1134040_20180910T112756_C00110 CCCS_OFFL_SIR_IOPM_2_20180910T1134040_2018			records.
CS_OFFL_SIR_IOPM_2_201809107054012_201809107054039_C001 CS_OFFL_SIR_IOPM_2_20180910705333_201809107054038_C001 CS_OFFL_SIR_IOPM_2_20180910705333_201809107054038_C001 CS_OFFL_SIR_IOPM_2_2018091070571245_201809107054038_C001 CS_OFFL_SIR_IOPM_2_2018091070705458_201809107072638_C001 CS_OFFL_SIR_IOPM_2_2018091070707055_201809107072638_C001 CS_OFFL_SIR_IOPM_2_2018091070707059_201809107072638_C001 CS_OFFL_SIR_IOPM_2_20180910707070707205_201809107072638_C001 CS_OFFL_SIR_IOPM_2_20180910707070707205_201809107072638_C001 CS_OFFL_SIR_IOPM_2_2018091070707032_201809107072630_C001 CS_OFFL_SIR_IOPM_2_2018091070707032_201809107072630_C001 CS_OFFL_SIR_IOPM_2_201809107073428_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107073428_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080620_C001 CS_OFFL_SIR_IOPM_2_201809107087342_201809107080631_C001 CS_OFFL_SIR_IOPM_2_201809107080021_201809107080531_C001 CS_OFFL_SIR_IOPM_2_201809107080021_201809107090551_C001 CS_OFFL_SIR_IOPM_2_201809107090021_201809107090551_C001 CS_OFFL_SIR_IOPM_2_201809107090021_2018091071090551_C001 CS_OFFL_SIR_IOPM_2_20180910710900021_2018091071090551_C001 CS_OFFL_SIR_IOPM_2_2018091071090171520001 CS_OFFL_SIR_IOPM_2_2018091071090171520001 CS_OFFL_SIR_IOPM_2_2018091071090171520001 CS_OFFL_SIR_IOPM_2_2018091071090171520001 CS_OFFL_SIR_IOPM_2_201809107109017153400_C00100171520001 CS_OFFL_SIR_IOPM_2_201809107109017153400_C00100171520001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_201809107113949_201809107112756_C001 CS_OFFL_SIR_IOPM_2_20180910711			records.
CS_OFFL_SIR_IOPM_2_20180910705337_201809107058042_0001 Ocean Range Averaging Slatus The Ocean Range Averaging Slatus Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107071245_20180910707340_0001 Ocean Range Averaging Slatus The Ocean Range Averaging Slatus Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910707340_00180910707340_0001 Ocean Range Averaging Slatus The Ocean Range Averaging Slatus Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910707340_0010010702700_00180910707240_0001 Ocean Range Averaging Slatus The Ocean Range Averaging Slatus Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910707340_00101080020_0001 Ocean Range Averaging Slatus The Ocean Range Averaging Slatus Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201809107083714_00180910708001_001		Ice Range Averaging Status	records.
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CS_OFFL_SIR_IOPM_2_20180910T093242_20180910T08020_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Fl	CS_OFFL_SIR_IOPM_2_20180910T072055_20180910T072638_C001	Ice Range Averaging Status	records.
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CS_OFFL_SIR_IOPM_2_20180910T083714_20180910T09021_20180910T090531_CO01 CS_OFFL_SIR_IOPM_2_20180910T09021_20180910T090531_CO01 CS_OFFL_SIR_IOPM_2_20180910T091242_20180910T090531_CO01 CS_OFFL_SIR_IOPM_2_20180910T091242_20180910T090535_CO01 CS_OFFL_SIR_IOPM_2_20180910T091242_20180910T0905954_CO01 CS_OFFL_SIR_IOPM_2_20180910T095730_20180910T095954_CO01 CS_OFFL_SIR_IOPM_2_20180910T10532_20180910T1095954_CO01 CS_OFFL_SIR_IOPM_2_20180910T10532_20180910T103429_CO01 CS_OFFL_SIR_IOPM_2_20180910T10532_20180910T103429_CO01 CS_OFFL_SIR_IOPM_2_20180910T10521_20180910T112756_CO01 CS_OFFL_SIR_IOPM_2_20180910T10521_20180910T112756_CO01 CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T115914_CO01 CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T11255CO01 CS_OFFL_SIR_IOPM_2_20180910T11202_CO180910T11256_CO01 CS_OFFL_SIR_IOPM_2_20180910T1202_0180910T11256_CO01 CS_OFFL_SIR_IOPM_2_20180910T11202_0180910T11256_CO01 CS_OFFL_SIR_IOPM_2_20180910T113949_20180910T12256_CO01 CS_OFFL_SIR_IOPM_2_20180910T1202_0180910T1256_CO01 CS_OFFL_SIR_IOPM_2_20180910T12280_CO180910T1256_CO01 CS_OFFL_SIR_IOPM_2_20180910T12380_CO180910T125729_CO01 CCS_OFFL_SIR_IOPM_2_20180910T124807_20180910T133650_CO01 CCS_OFFL_SIR_IOPM_2_20180910T13949_20180910T133650_CO01 CCS_OFFL_SIR_IOPM_2_20180910T139591_CO180910T133650_CO01 CCS_OFFL_SIR_IOPM_2_20180910T139591_CO180910T133650_CO01 CCS_OFFL_SIR_IOPM_2_20180910T1305309_20180910T1336501_CO01 CCS_OFFL_SIR_IOPM_2_20180910T1305309_20180910T135411_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1336501_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1336501_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1336501_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1350410_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1350410_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1350410_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T1350410_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T150143_CO01 CCS_OFFL_SIR_IOPM_2_20180910T140313_20180910T150143_CO01 CCCCARR Ange Averaging Status The Oc	CS_OFFL_SIR_IOPM_2_20180910T073428_20180910T080620_C001	Ocean Range Averaging Status	records.
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cs_OFFL_SIR_IOPM_2_20180910T091242_20180910T09555_C001 Cs_OFFL_SIR_IOPM_2_20180910T095730_20180910T095954_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for	CS_OFFL_SIR_IOPM_2_20180910T083714_20180910T085451_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T095730_20180910T095954_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20180910T090021_20180910T090531_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T101532_20180910T103429_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20180910T091242_20180910T094758_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T105221_20180910T103429_C001 CS_OFFL_SIR_IOPM_2_20180910T105211_20180910T112756_C001 CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T115914_C001 CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T121256_C001 CS_OFFL_SIR_IOPM_2_20180910T115949_20180910T121256_C001 CS_OFFL_SIR_IOPM_2_20180910T112120_20180910T121256_C001 CS_OFFL_SIR_IOPM_2_20180910T123120_20180910T121256_C001 CS_OFFL_SIR_IOPM_2_20180910T123120_20180910T125729_C001 CS_OFFL_SIR_IOPM_2_20180910T134807_20180910T125729_C001 CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T133650_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T150143_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_IOPM_2_20180910T095730_20180910T095954_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T13948_20180910T115914_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910T13949_20180910T133650_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T142433_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocea	CS_OFFL_SIR_IOPM_2_20180910T101532_20180910T103429_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T115949_20180910T121256_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20180910T105211_20180910T112756_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T123120_20180910T124604_C001 CS_OFFL_SIR_IOPM_2_20180910T123120_20180910T125729_C001 CS_OFFL_SIR_IOPM_2_20180910T124807_20180910T125729_C001 CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T14052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CCS_OFFL_SIR_IOPM_2_20180910T151140_20180910T150147_C001 CCS_OFFL_SIR_IOPM_2_20180910T151140_20180910T15017_C001 CCS_OFFL_SIR_IOPM_2_20180910T15017_C001	CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T115914_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T124807_20180910T125729_C001 CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001 CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T14052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T150147_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T150147_C001 CCS_OFFL_SIR_IOPM_2_20180910T150920_20180910T150147_C001 CCS_OFFL_SIR_IOPM_2_20180910T150920_20180910T150920_20180910T150920_200180910T	CS_OFFL_SIR_IOPM_2_20180910T115949_20180910T121256_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T151440_20180910T1513429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T1513429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001	CS_OFFL_SIR_IOPM_2_20180910T123120_20180910T124604_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T135493_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001 CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151440_20180910T153429_C001	CS_OFFL_SIR_IOPM_2_20180910T124807_20180910T125729_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 CS_OFFL_SIR_IOPM_2_20180910T14052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001 CCS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001	CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T151017_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T1513429_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001 CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001	CS_OFFL_SIR_IOPM_2_20180910T135309_20180910T135411_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T15017_C001 CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_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 or more records.	CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201609101150920_201609101151017_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180910T151140_20180910T153429_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_IOPM_2_20180910T153817_20180910T154643_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T155035_20180910T161456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T164611_20180910T165729_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T170302_20180910T171342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T172029_20180910T172444_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T173003_20180910T175350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T180051_20180910T180732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T182058_20180910T183643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T184212_20180910T185115_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T185940_20180910T190523_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T190905_20180910T191303_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T194425_20180910T194601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T195841_20180910T203120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T203844_20180910T204355_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T204937_20180910T210522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T212334_20180910T212455_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T213530_20180910T220559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T220610_20180910T221032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T221850_20180910T222304_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T222816_20180910T230104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T231407_20180910T232824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T233301_20180910T233515_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T233518_20180910T234948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180910T054605_20180910T054612_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180910T162844_20180910T162910_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180910T063841_20180910T063915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180910T090836_20180910T091242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180910T222411_20180910T222816_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.

Test Failed	Description
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.
	The SWH and Ocean Averaging Status Flags have been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
	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.
	The SWH and Ocean Averaging Status Flags have been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has 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.
	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean 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

SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T030041_20180910T031055_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T033649 20180910T035728 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T040313_20180910T040651_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T040713_20180910T041017_C001 Ice Backscatter Averaging Status records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20180910T041418_20180910T044154_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T050056_20180910T050338_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20180910T051312 20180910T053722 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180910T054055 20180910T054605 C001 Ice Backscatter Averaging Status records. 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_20180910T055337_20180910T060408_C001 more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T060946_20180910T062643_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T064938_20180910T065605_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T071245_20180910T071634_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180910T072055 20180910T072638 C001 Ice Backscatter Averaging Status ecords The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T072703_20180910T072840_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T073428_20180910T080620_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T081804 20180910T082026 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T083714_20180910T085451_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T090021_20180910T090531_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T091242 20180910T094758 C001 **Backscatter Averaging Status** more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T101532_20180910T103429_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T105211_20180910T112756_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T113948_20180910T115914_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T115949_20180910T121256_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180910T122514 20180910T122844 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T123120 20180910T124604 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T124807_20180910T125729_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T131949_20180910T133650_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T140313_20180910T140745_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T141052_20180910T142433_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T145822 20180910T145845 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T145911_20180910T150143_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T150920_20180910T151017_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T151140 20180910T153429 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T153817_20180910T154643_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T155035_20180910T161456_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T164611 20180910T165729 C001 more records Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T170302_20180910T171342_C001 **Backscatter Averaging Status** more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180910T172029 20180910T172444 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T173003 20180910T175350 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T180051_20180910T180732_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20180910T182058_20180910T183643_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T184212 20180910T185115 C001 **Backscatter Averaging Status** more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20180910T185940_20180910T190523_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T190905 20180910T191303 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T194425_20180910T194601_C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20180910T195841_20180910T203120_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20180910T203844 20180910T204355 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T204937_20180910T210522_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T212334_20180910T212455_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20180910T213530 20180910T220559 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20180910T220610_20180910T221032_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_IOPM_2_20180910T221850_20180910T222304_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180910T222816_20180910T230104_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_20180910T230104_20180910T230201_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_20180910T231407_20180910T232824_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_20180910T233301_20180910T233515_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_20180910T233518_20180910T234948_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_20180910T054605_20180910T054612_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180910T162844_20180910T162910_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_20180910T063841_20180910T063915_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_20180910T090836_20180910T091242_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_20180910T222411_20180910T222816_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: 70

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180909T235904_20180910T004840_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_220180910T004840_20180910T013817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T013817_20180910T022753_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_220180910T022753_20180910T031731_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T031731_20180910T040707_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_220180910T040707_20180910T045645_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_220180910T045645_20180910T054620_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_220180910T054620_20180910T063558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T063558_20180910T072534_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_220180910T072534_20180910T081512_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T081512_20180910T090448_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_220180910T090448_20180910T095425_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T095425_20180910T104401_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180910T104401_20180910T113339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180910T113339_20180910T122315_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_220180910T122315_20180910T131252_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_220180910T131252_20180910T140228_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180910T140228_20180910T145206_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_220180910T145206_20180910T154142_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_220180910T154142_20180910T163120_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_220180910T163120_20180910T172055_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_220180910T172055_20180910T181033_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180910T181033_20180910T190009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T190009_20180910T194947_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180910T194947_20180910T203923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180910T203923_20180910T212900_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_220180910T212900_20180910T221836_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_220180910T221836_20180910T230814_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.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180909T235904_20180910T004840_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_220180910T004840_20180910T013817_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_220180910T013817_20180910T022753_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_220180910T022753_20180910T031731_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_220180910T031731_20180910T040707_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_220180910T040707_20180910T045645_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_220180910T045645_20180910T054620_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_220180910T054620_20180910T063558_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_220180910T063558_20180910T072534_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_220180910T072534_20180910T081512_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_220180910T081512_20180910T090448_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_220180910T090448_20180910T095425_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_220180910T095425_20180910T104401_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_220180910T104401_20180910T113339_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_220180910T113339_20180910T122315_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_220180910T122315_20180910T131252_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_220180910T131252_20180910T140228_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_220180910T140228_20180910T145206_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_220180910T145206_20180910T154142_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_220180910T154142_20180910T163120_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_220180910T163120_20180910T172055_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_20180910T172055_20180910T181033_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_20180910T181033_20180910T190009_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_20180910T190009_20180910T194947_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_20180910T194947_20180910T203923_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_20180910T203923_20180910T212900_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_20180910T212900_20180910T221836_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_20180910T221836_20180910T230814_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.

6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180909T235904_20180910T004840_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T004840_20180910T013817_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T013817_20180910T022753_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T022753_20180910T031731_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T031731_20180910T040707_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T040707_20180910T045645_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T045645_20180910T054620_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T054620_20180910T063558_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T063558_20180910T072534_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T072534_20180910T081512_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T081512_20180910T090448_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T090448_20180910T095425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T095425_20180910T104401_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T104401_20180910T113339_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T113339_20180910T122315_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T122315_20180910T131252_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T131252_20180910T140228_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T145206_20180910T154142_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T154142_20180910T163120_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T163120_20180910T172055_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T172055_20180910T181033_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T181033_20180910T190009_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T190009_20180910T194947_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T194947_20180910T203923_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T203923_20180910T212900_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T212900_20180910T221836_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180910T221836_20180910T230814_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.