



1. Overview

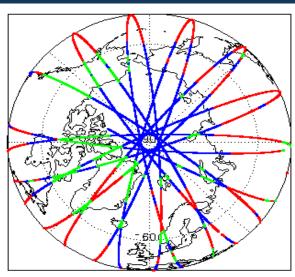
Report Production:	10-Dec-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

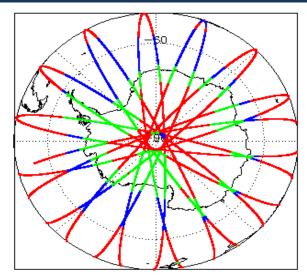
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

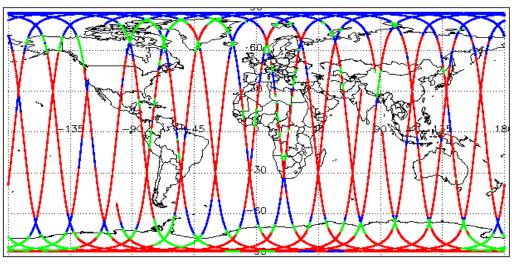
Mission / Instrument News		
06-Dec-2018	None	
07 Dec 2019	None	

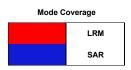
07-Dec-2018 None 08-Dec-2018 Nothing planned

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:

Λ

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:

25

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181207T072448_20181207T074042_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20181207T195247_20181207T200737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20181207T205648_20181207T210909_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T045554_20181207T045715_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T080829_20181207T080950_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T084846_20181207T085446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T094251_20181207T094340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T095143_20181207T095401_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T112705_20181207T113157_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T125912_20181207T130016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T161422_20181207T161549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T175731_20181207T180046_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T193345_20181207T193517_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181207T221149_20181207T221640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T004506_20181207T004717_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T052900_20181207T053238_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T062157_20181207T062832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T063008_20181207T063410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T134613_20181207T134951_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T152602_20181207T152943_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T153931_20181207T154234_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T210909_20181207T211003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T211956_20181207T212546_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T220231_20181207T220317_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181207T225001_20181207T225306_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

5.5 L2 Measurement Confidence Data Check

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

5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

79

CONTLIBRICIPATE Z018 STOTT TO STOTE TO TOTAL CONTRIBUTION	Number of products with errors: 79	Total Follows	Description
CS CHE, BRI (DML 2 DISENTATIONAL 2018 DETAINED CORREST DESIGNATIONAL CORREST AND ASSESSMENT OF A DISENTATIONAL CORRESPONDED CORRESPONDE	Product CS_OFFL_SIR_IOPM_2_20181207T000705_20181207T003244_C001	Ocean Range Averaging Status	Description The Ocean Range Averaging Status Flag has been set for one or more
DE CREAT SIRE COMPLIANCE ADMINISTRATION CONTROL OF CONT			The Ice Range Averaging Status Flag has been set for one or more
COUNT_SEC_OPE_2 2019/2017/0002	CS OFFL SIR IOPM 2 20181207T004717 20181207T005819 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CO. OFT., SR. (OPM. 2. 2018 12077015452, 2018 12077154552, CO. 2018 Co. 2018 Roya Averaging States Floring has been set for one of more secret. CO. OFT., SR. (OPM. 2. 2018 12077012459, 2018 12077154550, CO. 2019 Co. 2018 Roya Averaging States Floring has been set for one of more secret. CO. OFT., SR. (OPM. 2. 2018 12077012459, 2018 12077154500, CO. 2019 Co. 2018 Roya Averaging States Floring has been set for one of more secret. CO. OFT., SR. (OPM. 2. 2018 120770124500, 2018 12077154752, CO.) CO. OFT., SR. (OPM. 2. 2018 120770124500, 2018 12077154752, CO.) CO. OFT., SR. (OPM. 2. 2018 120770124500, 2018 12077154752, CO.) CO. OFT., SR. (OPM. 2. 2018 120770124500, 2018 12077154752, CO.) CO. OFT., SR. (OPM. 2. 2018 120770124500, 2018 12077154752, CO.) CO. OFT., SR. (OPM. 2. 2018 12077104572, CO.) CO. OFT., SR		Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Co. CFFL. SR. (DMF. 2. 201612/7701459. 20161277701459. C0161 201701459. C0161 201701459. C016127701459. C01612701459. C01612701459			The Ocean Range Averaging Status Flag has been set for one or more
Co. OFF., SR., OMA _2.0181207T02439_00181207T02459_00181207T02449_			
CB_OFFL_SRI_OFM_2_20181207703573_20181207703550_0001 CB_OFFL_SRI_OFM_2_20181207703502_20181207703550_0001 CB_OFFL_SRI_OFM_2_20181207703502_20181207703500_0001 CB_OFFL_SRI_OFM_2_201812077035002_20181207703500_0001 CB_OFFL_SRI_OFM_2_201812077035002_20181207703500_0001 CB_OFFL_SRI_OFM_2_201812077035002_20181207703500_0001 CB_OFFL_SRI_OFM_2_201812077035002_201812077035000_0001 CB_OFFL_SRI_OFM_2_201812077035000_201812077035000_0001 CB_OFFL_SRI_OFM_2_201812077035000_201812077035000_0001 CB_OFFL_SRI_OFM_2_201812077035000_201812077035000_0001 CB_OFFL_SRI_OFM_2_201812077035000_201812077035000_0001 CB_OFFL_SRI_OFM_2_201812077035000_201820000000000000000000000000000000			
South Fireful Control, 2018 (2017) 10270 (2018) (2018) (2017) 10270 (2018) (2018) (2017) 10270 (2018)			
Scale Files, Control, 2 and search 1996 and se			records.
SCOPEL, SILL, DPAL 2, 2018 12077104012, 2018 12077104019, 2010 CB_OPEL, SILL, DPAL 2, 2018 12077104012, 2018 12077104019, 2010 CB_OPEL, SILL, DPAL 2, 2018 12077104040, 2010 CB_OPEL, SILL, DPAL 2, 2018 120771040		Ocean Range Averaging Status	records.
CS_OPE_SIL_OPM_2_20181207T04507_20181207T04508_0001 CS_OPE_SIL_OPM_2_20181207T04507_20181207T08508_0001 CS_OPE_SIL_OPM_2_20181207T04507_20181207T08508_0001 CS_OPE_SIL_OPM_2_20181207T08184_2018120750858_0001 CS_OPE_SIL_OPM_2_20181207T08184_20181207508508_0001 CS_OPE_SIL_OPM_2_20181207T08184_20181207508508_0001 CS_OPE_SIL_OPM_2_20181207T08184_20181207508508_0001 CS_OPE_SIL_OPM_2_20181207T08184_20181207508508_0001 CS_OPE_SIL_OPM_2_20181207T08184_20181207508508_0001 CS_OPE_SIL_OPM_2_20181207T08508_00185001 CS_OPE_SIL_OPM_2_20181207	CS_OFFL_SIR_IOPM_2_20181207T034503_20181207T034732_C001	Ocean Range Averaging Status	records.
SCOPEL_SIR_LOPM_2_20181207T06518_20181207T06566_001 CSC_OPEL_SIR_LOPM_2_20181207T06518_20181207T06566_001 CSC_OPEL_SIR_LOPM_2_20181207T06518_20181207T06566_001 CSC_OPEL_SIR_LOPM_2_20181207T06518_20181207T06566_001 CSC_OPEL_SIR_LOPM_2_20181207T06518_20181207T06566_001 CSC_OPEL_SIR_LOPM_2_20181207T065666_001 CSC_OPEL_SIR_LOPM_2_20181207T066666_001 CSC_OPEL_SIR_LOPM_2_20181207T106666_001 CSC_OPEL_S	CS_OFFL_SIR_IOPM_2_20181207T035424_20181207T035946_C001	Ice Range Averaging Status	records.
Deem Range Averaging Status CS_OFFL_SIR_IOPM_2_20161207T061562_0161207T062569_C001 CS_OFFL_SIR_IOPM_2_20161207T061564_00161207T062569_C001 CS_OFFL_SIR_IOPM_2_20161207T061564_00161207T062569_C001 CS_OFFL_SIR_IOPM_2_20161207T061564_00161207T062569_C001 CS_OFFL_SIR_IOPM_2_20161207T065104_00161207T063845_C001 CS_OFFL_SIR_IOPM_2_20161207T065104_00161207T063845_C001 CS_OFFL_SIR_IOPM_2_20161207T065104_00161207T061824_C001 CS_OFFL_SIR_IOPM_2_20161207T065104_00161207T061824_C001 CS_OFFL_SIR_IOPM_2_20161207T065104_00161207T074942_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T075607_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T065700_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_00161207T065700_C001 CS_OFFL_SIR_IOPM_2_20161207T061502_001001 CS_OFFL_SIR_IOPM_2_20161207T065700_C001 CS_OFFL_SIR_IOP	CS_OFFL_SIR_IOPM_2_20181207T040620_20181207T042751_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201812077051819_201812077051846_C001 CS_OFFL_SIR_IOPM_2_201812077051841_C01812077051846_C001 CS_OFFL_SIR_IOPM_2_201812077051842_C01812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077053842_D1812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077053842_D1812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077053842_D1812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077053853_D1812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077063845_D1812077053845_C001 CS_OFFL_SIR_IOPM_2_201812077063845_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_201812077063855_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_201812077063855_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_20181207706385_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_20181207706485_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_20181207706485_D1812077078020_C001 CS_OFFL_SIR_IOPM_2_20181207707485_D1812077078005_C001 CS_OFFL_SIR_IOPM_2_20181207707485_D1812077078005_C001 CS_OFFL_SIR_IOPM_2_201812077078485_D1812077078005_C001 CS_OFFL_SIR_IOPM_2_20181207708485_D1812077078005_C001 CS_OFFL_SIR_IOPM_2_20181207708485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_20181207708485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086485_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D181207708005_C001 CS_OFFL_SIR_IOPM_2_201812077086445_D1812077108005_C001 CS_OFFL_SIR_IOPM_2_2018120771085405_D1812077100405_C001 CS_OFFL_SIR_IOPM_2_2018120771085405_D1812077100405_C001 CS_OFFL_SIR_IOPM_2_2018120771085405_D181207710041005_C001 CS_OFFL_SIR_IOPM_2_2018120771041041_D181207005_C001 CS_OFFL_SIR_IOPM_2_2018120771043845_D181207710	CS_OFFL_SIR_IOPM_2_20181207T043037_20181207T044013_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIL_OPM_2_201812071051634_201812071052845_C001 CS_OFFL_SIR_OPM_2_20181207105344_20181207105365_C001 CS_OFFL_SIR_OPM_2_20181207105364_20181207105365_C001 CS_OFFL_SIR_OPM_2_20181207105364_20181207105365_C001 CS_OFFL_SIR_OPM_2_20181207105369_201812071070632_C001 CS_OFFL_SIR_OPM_2_20181207105369_201812071071050_C001 CS_OFFL_SIR_OPM_2_2018120710710557_201812071071050_C001 CS_OFFL_SIR_OPM_2_2018120710710557_201812071071050_C001 CS_OFFL_SIR_OPM_2_201812071072446_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074040_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_20181207107455_201812071074042_C001 CS_OFFL_SIR_OPM_2_201812071076545_201812071076504_C001 CS_OFFL_SIR_OPM_2_201812071076545_20181207106304_C001 CS_OFFL_SIR_OPM_2_20181207106304_20181207106305_C001 CS_OFFL_SIR_OPM_2_20181207106445_20181207106305_C001 CS_OFFL_SIR_OPM_2_20181207106445_20181207106305_C001 CS_OFFL_SIR_OPM_2_20181207106445_20181207106305_C001 CS_OFFL_SIR_OPM_2_20181207110441C0181207106305_C001 CS_OFFL_SIR_OPM_2_20181207110441C0181207106305_C001 CS_OFFL_SIR_OPM_2_201812071104430181207110441C001 CS_OFFL_SIR_OPM_2_201812071104430181207110441C001 CS_OFFL_SIR_OPM_2_201812071104330181207110441C001 CS_OFFL_SIR_OPM_2_2018120711143001812071104100001 CS_OFFL_SIR_OPM_2_201812071114300181207113641C001 CS_OFFL_SIR_OPM_2_201812071114300181207113641C001 CS_OFFL_SIR_OPM_2_201812071114300181207113641C001 CS_OFFL_SIR_OPM_2_201812071114300181207113641C001 CS_OFFL_SIR_OPM_2_201812071134300181207113641C001 CS_OFFL_SIR	CS_OFFL_SIR_IOPM_2_20181207T045157_20181207T045554_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_JOPM_2_20181207105429_20181207105394_C001 CS_OFFL_SIR_JOPM_2_20181207105429_20181207105394_C001 CS_OFFL_SIR_JOPM_2_20181207105429_20181207105394_C001 CS_OFFL_SIR_JOPM_2_20181207105429_2018120710705394_C001 CS_OFFL_SIR_JOPM_2_2018120710549_201812071070539_C001 CS_OFFL_SIR_JOPM_2_20181207107459_2018120710749_C001 CS_OFFL_SIR_JOPM_2_2018120710749_2018120710749_C001 CS_OFFL_SIR_JOPM_2_2018120710749_2018120710749_C001 CS_OFFL_SIR_JOPM_2_2018120710749_20181207107490_C001 CS_OFFL_SIR_JOPM_2_2018120710749_20181207107490_C001 CS_OFFL_SIR_JOPM_2_20181207107639_20181207107690_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710839_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710839_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710839_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710839_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_2018120710939_2018120710939_C001 CS_OFFL_SIR_JOPM_2_20181207110939_20181207110939_C001 CS_OFFL_SIR_JOPM_2_20181207113399_201812071133	CS_OFFL_SIR_IOPM_2_20181207T051157_20181207T051646_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_JOPM_2_20181207T054302_0181207T056308_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_JOPM_2_20181207T054302_0181207T076022_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	CS_OFFL_SIR_IOPM_2_20181207T051834_20181207T052859_C001	Ocean Range Averaging Status	
CS_OFFL_SR_JOPM_2_20181207T06573_20181207T076529_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T07529_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T07557_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T07557_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T075407_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T075407_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T075407_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T075407_C001 CS_OFFL_SR_JOPM_2_20181207T07557_20181207T075407_C001 CS_OFFL_SR_JOPM_2_20181207T085308_20181207T085054_C001 CS_OFFL_SR_JOPM_2_20181207T085308_20181207T085054_C001 CS_OFFL_SR_JOPM_2_20181207T08544_20181207T085700_C001 CS_OFFL_SR_JOPM_2_20181207T08544_20181207T085700_C001 CS_OFFL_SR_JOPM_2_20181207T08544_20181207T085050_C001 CS_OFFL_SR_JOPM_2_20181207T08544_20181207T085050_C001 CS_OFFL_SR_JOPM_2_20181207T08544_20181207T085050_C001 CS_OFFL_SR_JOPM_2_20181207T085041_20181207T085050_C001 CS_OFFL_SR_JOPM_2_20181207T085041_20181207T085050_C001 CS_OFFL_SR_JOPM_2_20181207T085051_20181207T080500_C001 CS_OFFL_SR_JOPM_2_20181207T085051_20181207T080500_C001 CS_OFFL_SR_JOPM_2_20181207T085051_20181207T080580_C001 CS_OFFL_SR_JOPM_2_20181207T085051_20181207T108450_C001 CS_OFFL_SR_JOPM_2_20181207T108544_20181207T100451_C001 CS_OFFL_SR_JOPM_2_20181207T104530_20181207T100454_C001 CS_OFFL_SR_JOPM_2_20181207T104530_20181207T100454_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T10406_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T10406_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T104330_20181207T104300_C001 CS_OFFL_SR_JOPM_2_20181207T133042_C0181207T133040_C001 CS_OFFL_SR_JOPM_2_20181207T133040_20181207T133040_C001 CS_OFFL_SR_JOPM_2_20181207T133040_20181207T133040_C001 CS_OFFL_SR_JOPM_2_20181207T133040_20181207T133040	CS_OFFL_SIR_IOPM_2_20181207T053404_20181207T053845_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181207T003513_20181207T070402_CO01 CS_OFFL_SIR_IOPM_2_20181207T077458_20181207T070402_CO01 CS_OFFL_SIR_IOPM_2_20181207T07458_20181207T074042_CO01 CS_OFFL_SIR_IOPM_2_20181207T07458_20181207T074042_CO01 CS_OFFL_SIR_IOPM_2_20181207T07458_20181207T07407_CO01 CS_OFFL_SIR_IOPM_2_20181207T07458_20181207T07407_CO01 CS_OFFL_SIR_IOPM_2_20181207T07458_20181207T08054_CO01 CS_OFFL_SIR_IOPM_2_20181207T081522_20181207T08305_CO01 CS_OFFL_SIR_IOPM_2_20181207T081522_20181207T08305_CO01 CS_OFFL_SIR_IOPM_2_20181207T08540_20181207T085703_CO01 CS_OFFL_SIR_IOPM_2_20181207T08540_20181207T085703_CO01 CS_OFFL_SIR_IOPM_2_20181207T08540_20181207T085703_CO01 CS_OFFL_SIR_IOPM_2_20181207T085702_20181207T09200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985702_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T0985703_20181207T090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109841_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109841_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109841_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109544_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109544_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109544_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207T1090200_CO01 CS_OFFL_SIR_IOPM_2_20181207T109545_20181207	CS_OFFL_SIR_IOPM_2_20181207T054526_20181207T055058_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181207T09373_20181207T070623_C001 CS_OFFL_SIR_IOPM_2_20181207T07468_20181207T074042_C001 CS_OFFL_SIR_IOPM_2_20181207T07468_20181207T074042_C001 CS_OFFL_SIR_IOPM_2_20181207T07468_20181207T074002_C001 CS_OFFL_SIR_IOPM_2_20181207T07468_20181207T074003054_C001 CS_OFFL_SIR_IOPM_2_20181207T0850308_20181207T083054_C001 CS_OFFL_SIR_IOPM_2_20181207T0850308_20181207T083054_C001 CS_OFFL_SIR_IOPM_2_20181207T0850308_20181207T083054_C001 CS_OFFL_SIR_IOPM_2_20181207T080448_20181207T083054_C001 CS_OFFL_SIR_IOPM_2_20181207T080448_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T080448_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T080448_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T080448_20181207T080508_C001 CS_OFFL_SIR_IOPM_2_20181207T080418_20181207T080508_C001 CS_OFFL_SIR_IOPM_2_20181207T080418_20181207T0901839_C001 CS_OFFL_SIR_IOPM_2_20181207T080418_20181207T0901839_C001 CS_OFFL_SIR_IOPM_2_20181207T080613_20181207T0901839_C001 CS_OFFL_SIR_IOPM_2_20181207T080613_20181207T0901858_C001 CS_OFFL_SIR_IOPM_2_20181207T080613_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T100848_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T100848_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T100848_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T1003236_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T1104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T1104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T1104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T1104338_20181207T108040_C001 CS_OFFL_SIR_IOPM_2_20181207T1108338_20181	CS_OFFL_SIR_IOPM_2_20181207T055108_20181207T061824_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181207T074557_20181207T074042_C001 Cs_OFFL_SIR_IOPM_2_20181207T074651_20181207T074042_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_20181207T063731_20181207T070623_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T074248_20181207T075407_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T085308_20181207T088511_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T085308_20181207T088511_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T085442_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085442_20181207T082002_C001 CS_OFFL_SIR_IOPM_2_20181207T090211_20181207T090200_C001 CS_OFFL_SIR_IOPM_2_20181207T090201_20181207T091539_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T092018_20181207T091539_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T092018_20181207T091539_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 be	CS_OFFL_SIR_IOPM_2_20181207T071557_20181207T071750_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T074651_20181207T083054_C001 Ocean Range Averaging Status The Ocean Range Averaging Status in the Cocan Range Averaging Status in the Range Averaging Status	CS_OFFL_SIR_IOPM_2_20181207T072448_20181207T074042_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T083308_20181207T083054_C001 CS_OFFL_SIR_IOPM_2_20181207T083308_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T085703_C001 CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T089200_C001 CS_OFFL_SIR_IOPM_2_20181207T0805740_20181207T08939_C001 CS_OFFL_SIR_IOPM_2_20181207T080518_20181207T080518_20001 CS_OFFL_SIR_IOPM_2_20181207T080518_20181207T1080515_C001 CS_OFFL_SIR_IOPM_2_20181207T080518_20181207T1080515_C001 CS_OFFL_SIR_IOPM_2_20181207T109313_20181207T108055_C001 CS_OFFL_SIR_IOPM_2_20181207T109313_20181207T108055_C001 CS_OFFL_SIR_IOPM_2_20181207T109325_20181207T109324_C001 CS_OFFL_SIR_IOPM_2_20181207T10335_20181207T10335_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T10335_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T10430_20181207T10307_C001 CS_OFFL_SIR_IOPM_2_20181207T10430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T10430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T10430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T10430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T110430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T110430_20181207T104056_C001 CS_OFFL_SIR_IOPM_2_20181207T110430_20181207T1104056_C001 CS_OFFL_SIR_IOPM_2_20181207T110430_20181207T1104056_C001 CS_OFFL_SIR_IOPM_2_20181207T110406_C001 CS_OFFL_SIR_IOPM_2_20181207T110406_C001 CS_OFFL_SIR_IOPM_2_20181207T110406_C001 CS_OFFL_SIR_IOPM_2_20181207T110406_C001 CS_OFFL_SIR_IOPM_2_20181207T110406_C001 CS_OFFL_SIR_IOPM_2_20181207T112406_C001 CS_OFFL_SIR_IOPM_2_20181207T130406_C001 CS_OFFL_SIR_IOPM_2_20181207T130406_C001 CS_OFFL_SIR_IOPM_2_20181207T130406_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_C001 CS_OFFL_SIR_IOPM_2_20181207T133040_	CS_OFFL_SIR_IOPM_2_20181207T074651_20181207T075407_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T08308_20181207T085703_C001 CG_OFFL_SIR_IOPM_2_20181207T085446_20181207T085703_C001 CG_OFFL_SIR_IOPM_2_20181207T085704_20181207T090200_C001 CG_OFFL_SIR_IOPM_2_20181207T0902018_20181207T090200_C001 CG_OFFL_SIR_IOPM_2_20181207T0902018_20181207T090200_C001 CG_OFFL_SIR_IOPM_2_20181207T090218_20181207T0901839_C001 CG_OFFL_SIR_IOPM_2_20181207T090218_20181207T0901839_C001 CG_OFFL_SIR_IOPM_2_20181207T090218_20181207T0901839_C001 CG_OFFL_SIR_IOPM_2_20181207T090218_20181207T100421_C001 CG_OFFL_SIR_IOPM_2_20181207T100544_20181207T100454_C001 CG_OFFL_SIR_IOPM_2_20181207T100544_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100544_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T10413_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T104336_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T104336_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T104336_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C00181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C00181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C00181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C00181207T100845_C001 CG_OFFL_SIR_IOPM_2_20181207T100845_C00181207T10	CS_OFFL_SIR_IOPM_2_20181207T081522_20181207T083054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T08546_20181207T090200_C001 Loe Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been se	CS_OFFL_SIR_IOPM_2_20181207T083308_20181207T084811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T090411_20181207T091839_C001 CS_OFFL_SIR_IOPM_2_20181207T090411_20181207T091839_C001 CS_OFFL_SIR_IOPM_2_20181207T092018_20181207T093158_C001 CS_OFFL_SIR_IOPM_2_20181207T0959313_20181207T100421_C001 CS_OFFL_SIR_IOPM_2_20181207T0959313_20181207T100421_C001 CS_OFFL_SIR_IOPM_2_20181207T100544_20181207T1009454_C001 CS_OFFL_SIR_IOPM_2_20181207T100544_20181207T100945_C001 CS_OFFL_SIR_IOPM_2_20181207T100544_20181207T100945_C001 CS_OFFL_SIR_IOPM_2_20181207T100543_20181207T100945_C001 CS_OFFL_SIR_IOPM_2_20181207T1001413_20181207T100945_C001 CS_OFFL_SIR_IOPM_2_20181207T1001413_20181207T100945_C001 CS_OFFL_SIR_IOPM_2_20181207T1001433_20181207T10007_C001 CS_OFFL_SIR_IOPM_2_20181207T10037_C001 CS_OFFL_SIR_IOPM_2_20181207T104336_20181207T10007_C001 CS_OFFL_SIR_IOPM_2_20181207T114040_20181207T102014_C001 CS_OFFL_SIR_IOPM_2_20181207T114040_20181207T112014_C001 CS_OFFL_SIR_IOPM_2_20181207T114040_20181207T112014_C001 CS_OFFL_SIR_IOPM_2_20181207T114040_20181207T112014_C001 CS_OFFL_SIR_IOPM_2_20181207T1120254_C001 CS_OFFL_SIR_IOPM_2_20181207T113005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C0010 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_IOPM_2_20181207T13005_C00181207T13005_C001 CS_OFFL_SIR_	CS_OFFL_SIR_IOPM_2_20181207T085446_20181207T085703_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T090411_20181207T091839_C001 Ocean Range Averaging Status CS_OFFL_SIR_IOPM_2_20181207T092018_20181207T100421_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. CS_OFFL_SIR_IOPM_2_20181207T101413_20181207T102924_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T10335_20181207T103924_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T104336_20181207T10037_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T112036_20181207T1120814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T121430_20181207T1120814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T121430_20181207T1120814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T132054_20181207T133049_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T133049_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T133049_C	CS_OFFL_SIR_IOPM_2_20181207T085740_20181207T090200_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181207T092018_20181207T100421_C001 CS_OFFL_SIR_IOPM_2_20181207T100544_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T100544_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T1010544_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T1010544_20181207T100845_C001 CS_OFFL_SIR_IOPM_2_20181207T1010544_20181207T1010924_C001 CS_OFFL_SIR_IOPM_2_20181207T10103235_20181207T1010106_C001 CS_OFFL_SIR_IOPM_2_20181207T10103235_20181207T1010106_C001 CS_OFFL_SIR_IOPM_2_20181207T1010336_20181207T110037_C001 CS_OFFL_SIR_IOPM_2_20181207T1104306_20181207T110037_C001 CS_OFFL_SIR_IOPM_2_20181207T110400_20181207T110091_C001 CS_OFFL_SIR_IOPM_2_20181207T110400_20181207T1120814_C001 CS_OFFL_SIR_IOPM_2_20181207T111009_20181207T1120814_C001 CS_OFFL_SIR_IOPM_2_20181207T1212054_20181207T120814_C001 CS_OFFL_SIR_IOPM_2_20181207T1212054_20181207T120814_C001 CS_OFFL_SIR_IOPM_2_20181207T120544_20181207T120814_C001 CS_OFFL_SIR_IOPM_2_20181207T13054_20181207T13049_C001 CS_OFFL_SIR_IOPM_2_20181207T13054_20181207T13049_C001 CS_OFFL_SIR_IOPM_2_20181207T13054_20181207T13049_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T130543_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T130548_20181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C0181207T140010_C001 CS_OFFL_SIR_IOPM_2_20181207T140010_C01812	CS OFFL SIR IOPM 2 20181207T090411 20181207T091839 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
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CS_OFFL_SIR_IOPM_2_20181207T140210_20181207T143824_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20181207T143832_20181207T143840_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.			records.
CS_OFFL_SIR_IOPM_2_20181207T143832_20181207T143840_C001 CS_OFFL_SIR_IOPM_2_20181207T143832_20181207T143940_C001 CS_OFFL_SIR_IOPM_2_20181207T145221_20181207T152601_C001 CS_OFFL_SIR_IOPM_2_20181207T145221_20181207T152601_C001 CS_OFFL_SIR_IOPM_2_20181207T153256_20181207T153814_C001 CS_OFFL_SIR_IOPM_2_20181207T153814_C001			records.
CS_OFFL_SIR_IOPM_2_20181207T145221_20181207T152601_C001 CS_OFFL_SIR_IOPM_2_20181207T145221_20181207T152601_C001 CS_OFFL_SIR_IOPM_2_20181207T152601_C001 CS_OFFL_SIR_IOPM_2_20181207T153256_20181207T153814_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20181207T143735_20181207T143824_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201612071143221_201612071132001_C001 CS_OFFL_SIR_IOPM_2_20181207T153256_20181207T153814_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20181207T143832_20181207T143940_C001	Ocean Range Averaging Status	records.
US OFFI SIK IOPM 2 201812071153256 201812071153814 CUUT IICE Kande Averaging Status	CS_OFFL_SIR_IOPM_2_20181207T145221_20181207T152601_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20181207T153256_20181207T153814_C001	Ice Range Averaging Status	

CS_OFFL_SIR_IOPM_2_20181207T154234_20181207T154252_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T154451_20181207T154621_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T161549_20181207T161823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T163154_20181207T164057_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T164343_20181207T170529_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T171143_20181207T171257_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T171305_20181207T171710_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T172201_20181207T173215_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T173402_20181207T174012_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T174156_20181207T174636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T181105_20181207T184424_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T184647_20181207T185155_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T185215_20181207T185512_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T190255_20181207T193333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T195247_20181207T200737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T200817_20181207T202341_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T202548_20181207T203053_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T204027_20181207T205030_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T205648_20181207T210909_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T213100_20181207T214638_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T214818_20181207T220231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T220504_20181207T221004_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T221029_20181207T221038_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T221722_20181207T224025_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T224147_20181207T225001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T231929_20181207T234147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T234942_20181207T235257_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T235605_20181208T002427_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181207T013345_20181207T013415_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181207T162934_20181207T163011_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181207T175731_20181207T180046_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181207T102925_20181207T103048_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181207T185156_20181207T185201_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181207T211024_20181207T211238_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.
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.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
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.
	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 SWH Averaging Status 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_20181207T022746_20181207T030040_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 20181207T031322 20181207T031530 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T035424_20181207T035946_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_20181207T040620_20181207T042751_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_20181207T043037_20181207T044013_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_20181207T045157_20181207T045554_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 20181207T051157 20181207T051646 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 20181207T051834 20181207T052859 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T053404_20181207T053845_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_20181207T054526_20181207T055058_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_20181207T055108_20181207T061824_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_20181207T063731_20181207T070623_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T071557_20181207T071750_C001 Ice Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20181207T072448_20181207T074042_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_20181207T074651_20181207T075407_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 20181207T081522 20181207T083054 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_20181207T083308_20181207T084811_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T085446_20181207T085703_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181207T085740 20181207T090200 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_20181207T090411_20181207T091839_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_20181207T092018_20181207T093158_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 20181207T095813 20181207T100421 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_20181207T101413_20181207T102924_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181207T103235 20181207T104106 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 20181207T104336 20181207T110037 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_20181207T114040_20181207T120814_C001 **Backscatter Averaging Status** more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T121430_20181207T121911_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_20181207T122251_20181207T124829_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_20181207T132054_20181207T133049_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 20181207T133627 20181207T134612 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T135348_20181207T135943_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_20181207T140210_20181207T143013_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_20181207T143735_20181207T143824_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_20181207T143832_20181207T143940_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_20181207T145221_20181207T152601_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T153256_20181207T153814_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_20181207T161549_20181207T161823_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 20181207T163154 20181207T164057 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 20181207T164343 20181207T170529 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T171143_20181207T171257_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T171305_20181207T171710_C001 Ice Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20181207T172201 20181207T173215 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_20181207T173402_20181207T174012_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_20181207T174156_20181207T174636_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_20181207T181105_20181207T184424_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T184647_20181207T185155_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181207T185215 20181207T185512 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_20181207T190255_20181207T193333_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_20181207T195247_20181207T200737_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 20181207T200817 20181207T202341 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181207T202548_20181207T203053_C001 Ice Backscatter Averaging Status records.

CS_OFFL_SIR_IOPM_2_20181207T204027_20181207T205030_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_20181207T205648_20181207T210909_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_20181207T213100_20181207T214638_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_20181207T214818_20181207T220231_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_20181207T220504_20181207T221004_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T221029_20181207T221038_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T221722_20181207T224025_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_20181207T224147_20181207T225001_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_20181207T231929_20181207T234147_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_20181207T234942_20181207T235257_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181207T235605_20181208T002427_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_20181207T013345_20181207T013415_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_20181207T162934_20181207T163011_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_20181207T175731_20181207T180046_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_20181207T102925_20181207T103048_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_20181207T185156_20181207T185201_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181207T211024_20181207T211238_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). 0

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.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181206T235047_20181207T004026_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_220181207T004026_20181207T013001_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_220181207T013001_20181207T021939_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_220181207T021939_20181207T030914_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T030914_20181207T035853_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_220181207T035853_20181207T044828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T044828_20181207T053806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T053806_20181207T062741_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_220181207T062741_20181207T071720_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_220181207T071720_20181207T080655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T080655_20181207T085633_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_220181207T085633_20181207T094608_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_220181207T094608_20181207T103547_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T103547_20181207T112522_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_220181207T112522_20181207T121501_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T121501_20181207T130436_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_220181207T130436_20181207T135414_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T135414_20181207T144349_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_220181207T144349_20181207T153328_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T153328_20181207T162303_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_220181207T162303_20181207T171241_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_220181207T171241_20181207T180216_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_220181207T180216_20181207T185155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T185155_20181207T194130_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_220181207T194130_20181207T203108_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_220181207T203108_20181207T212043_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T212043_20181207T221022_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_220181207T221022_20181207T225957_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181207T225957_20181207T234935_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T234935_20181208T003911_C002	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_2_20181206T235047_20181207T004026_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_20181207T004026_20181207T013001_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_20181207T013001_20181207T021939_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_20181207T021939_20181207T030914_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_20181207T030914_20181207T035853_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_20181207T035853_20181207T044828_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_20181207T044828_20181207T053806_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_20181207T053806_20181207T062741_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_20181207T062741_20181207T071720_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_20181207T071720_20181207T080655_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_20181207T080655_20181207T085633_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_20181207T085633_20181207T094608_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_20181207T094608_20181207T103547_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_20181207T103547_20181207T112522_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_20181207T112522_20181207T121501_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_20181207T121501_20181207T130436_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_220181207T130436_20181207T135414_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_220181207T135414_20181207T144349_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_20181207T144349_20181207T153328_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_220181207T153328_20181207T162303_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_220181207T162303_20181207T171241_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_220181207T171241_20181207T180216_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_220181207T180216_20181207T185155_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_220181207T185155_20181207T194130_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_220181207T194130_20181207T203108_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_20181207T203108_20181207T212043_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_220181207T212043_20181207T221022_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_220181207T221022_20181207T225957_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_220181207T225957_20181207T234935_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_220181207T234935_20181208T003911_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors: 30		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181206T235047_20181207T004026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T004026_20181207T013001_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T013001_20181207T021939_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T021939_20181207T030914_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T030914_20181207T035853_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T035853_20181207T044828_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T044828_20181207T053806_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T053806_20181207T062741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T062741_20181207T071720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T071720_20181207T080655_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T080655_20181207T085633_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T085633_20181207T094608_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T094608_20181207T103547_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T103547_20181207T112522_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T112522_20181207T121501_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T121501_20181207T130436_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T130436_20181207T135414_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T135414_20181207T144349_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T144349_20181207T153328_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T153328_20181207T162303_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T162303_20181207T171241_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T171241_20181207T180216_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T180216_20181207T185155_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T185155_20181207T194130_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T194130_20181207T203108_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220181207T203108_20181207T212043_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T212043_20181207T221022_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T221022_20181207T225957_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T225957_20181207T234935_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181207T234935_20181208T003911_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.