



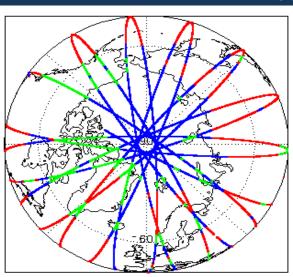
1. Overview

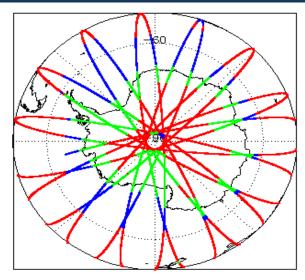
Report Production:	12-Dec-2018		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data		

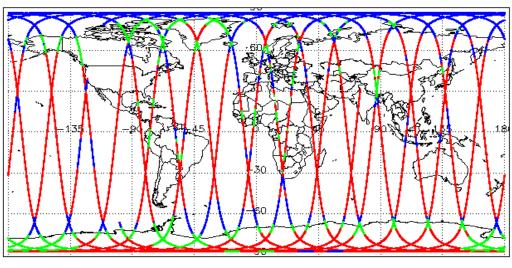
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

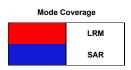
Mission / Instrument News		
08-Dec-2018	None	
09-Dec-2018	None	
10-Dec-2018	Nothing planned	

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:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181209T054302_20181209T054824_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

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:

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181209T195036_20181209T200406_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T011617_20181209T012216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T081051_20181209T081252_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T094527_20181209T094739_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T112440_20181209T112930_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T135715_20181209T135842_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T175456_20181209T175819_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T193620_20181209T193716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T211017_20181209T211317_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181209T230014_20181209T230048_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181209T012216_20181209T012959_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181209T040027_20181209T040352_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181209T070356_20181209T071055_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181209T120545_20181209T120755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181209T210757_20181209T211017_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:

Product	Test Failed
CS_OFFL_SIR_IOPR_2_20181209T195008_20181209T195013_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181209T054302_20181209T054824_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

7/

Product CS_OFFL_SIR_IOPM_2_20181209T000437_20181209T003016_C001	Test Failed Ocean Range Averaging Status	Description 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_20181209T003234_20181209T003739_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T003758_20181209T004123_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T004453_20181209T005551_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T010125_20181209T011119_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T011148_20181209T011617_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T013958_20181209T020905_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T021214_20181209T021652_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T021656_20181209T022028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T022516_20181209T025810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T031056_20181209T031305_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T034219_20181209T034505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T035157_20181209T035718_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T040352_20181209T042524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T042810_20181209T043749_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T044926_20181209T045333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T050932_20181209T051420_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T051607_20181209T052631_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T053211_20181209T053617_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T054302_20181209T054824_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T054834_20181209T061541_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T063346_20181209T070356_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T072218_20181209T073943_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T074423_20181209T075128_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T081253_20181209T082827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T083447_20181209T084549_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T085217_20181209T085437_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T085511_20181209T085932_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T090144_20181209T091612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T091751_20181209T093222_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T095547_20181209T100154_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T101124_20181209T102658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T103005_20181209T103840_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T104108_20181209T110339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T114116_20181209T120545_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T121204_20181209T121641_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T122024_20181209T124912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T131827_20181209T132822_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T133400_20181209T134343_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T135122_20181209T135715_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T135944_20181209T142632_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T143608_20181209T143712_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T144949_20181209T152336_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20181209T161317 20181209T161552 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181209T161636_20181209T161706_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_20181209T164116_20181209T170300_CO01 CS_OFFL_SIR_IOPM_2_20181209T171037_20181209T172446_CO01 CS_OFFL_SIR_IOPM_2_20181209T173382_20181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T173382_20181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T173382_20181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T173926_200181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T173926_200181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T173926_200181209T17349_CO01 CS_OFFL_SIR_IOPM_2_20181209T180844_20181209T184200_CO01 CS_OFFL_SIR_IOPM_2_20181209T180844_20181209T184200_CO01 CS_OFFL_SIR_IOPM_2_20181209T180844_20181209T184200_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T185290_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T185290_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T185290_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T185290_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T193544_CO01 CS_OFFL_SIR_IOPM_2_20181209T190047_20181209T190040_CO01 CS_OFFL_SIR_IOPM_2_20181209T200561_20181209T20106_CO01 CS_OFFL_SIR_IOPM_2_20181209T200561_20181209T200400_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01 CS_OFFL_SIR_IOPM_2_20181209T200562_20181209T200560_CO01	CS_OFFL_SIR_IOPM_2_20181209T162923_20181209T163830_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFF_SIR_IOPM_2_201812091171032_DI812091177408_C001 CS_OFF_SIR_IOPM_2_201812091173035_DI812091173749_C001 CS_OFF_SIR_IOPM_2_201812091173036_DI812091173749_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 Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag	CS_OFFL_SIR_IOPM_2_20181209T164116_20181209T170300_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_2018120917173928_2018120917173496_0001 Ocean Range Averaging Status Coean R	CS_OFFL_SIR_IOPM_2_20181209T171037_20181209T171443_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201812091173926_20181209173494_001 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_20181209118446_201812091184298_0001 CS_OFFL_SIR_IOPM_2_201812091184948_201812091184298_0001 CS_OFFL_SIR_IOPM_2_201812091190027_201812091193054_0001 CS_OFFL_SIR_IOPM_2_201812091190027_201812091193054_0001 CS_OFFL_SIR_IOPM_2_201812091193238_201812091193054_0001 CS_OFFL_SIR_IOPM_2_201812091193238_201812091193054_0001 CS_OFFL_SIR_IOPM_2_201812091193036_0001 CS_OFFL_SIR_IOPM_2_201812091193036_0001 CS_OFFL_SIR_IOPM_2_201812091193036_0001 CS_OFFL_SIR_IOPM_2_2018120911930374_201812091200406_0001 CS_OFFL_SIR_IOPM_2_201812091200551_201812091200406_0001 CS_OFFL_SIR_IOPM_2_201812091200551_201812091200406_0001 CS_OFFL_SIR_IOPM_2_201812091200551_201812091200406_0001 CS_OFFL_SIR_IOPM_2_201812091200542_201812091200406_0001 CS_OFFL_SIR_IOPM_2_201812091200542_201812091200406_0001 CS_OFFL_SIR_IOPM_2_20181209121200542_201812091210636_0001 CS_OFFL_SIR_IOPM_2_20181209121200542_201812091210636_0001 CS_OFFL_SIR_IOPM_2_20181209121200542_201812091210636_0001 CS_OFFL_SIR_IOPM_2_2018120912120036_0001 CS_OFFL_SIR_IOPM_2_2018120912120036_0001 CS_OFFL_SIR_IOPM_2_2018120912120036_0001 CS_OFFL_SIR_IOPM_2_2018120912120036_0001 CS_OFFL_SIR_IOPM_2_201812091214551_20181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_20181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_20181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_00181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_00181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_00181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214551_00181209122006_0001 CS_OFFL_SIR_IOPM_2_201812091214500000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20181209T171935_20181209T172948_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T18444_20181209T18420_C001 CS_OFFL_SIR_IOPM_2_20181209T18444_20181209T18420_C001 CS_OFFL_SIR_IOPM_2_20181209T18444_20181209T185239_C001 CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193534_C001 CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193534_C001 CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193534_C001 CS_OFFL_SIR_IOPM_2_20181209T190508_20181209T193534_C001 CS_OFFL_SIR_IOPM_2_20181209T190508_20181209T190508_2001 CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T20551_20181209T20408_C001 CS_OFFL_SIR_IOPM_2_20181209T20552_20181209T20408_C001 CS_OFFL_SIR_IOPM_2_20181209T20552_20181209T20408_C001 CS_OFFL_SIR_IOPM_2_20181209T20552_20181209T20408_C001 CS_OFFL_SIR_IOPM_2_20181209T20552_20181209T205638_C001 CS_OFFL_SIR_IOPM_2_20181209T218093_20181209T218095_C001 CS_OFFL_SIR_IOPM_2_20181209T218093_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T2006_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T20736_C001 CS_OFFL_SIR_IOPM_2_20181209T21427_20181209T20736_C001 CS_OFFL_SIR_IOPM_2_20181209T21427_20181209T223357_C00181209T223358_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23351_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T234310_20181209T23453_C001 CS_OFFL_SIR_IOPM_2_20181209T234310_20181209T23453_C001 CS_OFF	CS_OFFL_SIR_IOPM_2_20181209T173136_20181209T173749_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T18446_20181209T184928_CO01 CS_OFFL_SIR_IOPM_2_20181209T184948_20181209T18539_CO01 CS_OFFL_SIR_IOPM_2_20181209T190272_20181209T190354_CO01 CS_OFFL_SIR_IOPM_2_20181209T190338_20181209T195384_CO01 CS_OFFL_SIR_IOPM_2_20181209T190338_20181209T195384_CO01 CS_OFFL_SIR_IOPM_2_20181209T190338_20181209T195084_CO01 CS_OFFL_SIR_IOPM_2_20181209T195038_20181209T195084_CO01 CS_OFFL_SIR_IOPM_2_20181209T195038_20181209T190527_00000 CS_OFFL_SIR_IOPM_2_20181209T195038_CO01 CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T2010000 CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T204803_CO01 CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T204803_CO01 CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T219555_CO01 CS_OFFL_SIR_IOPM_2_20181209T218093_20181209T213955_CO01 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214805. CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T204400_CO01 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214451_CO01 CS_OFFL_SIR_IOPM_2_20181209T2142803_20181209T213955_CO01 CS_OFFL_SIR_IOPM_2_20181209T2141200_CO01 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_CO01 CS_OFFL_SIR_IOPM_2_20181209T2142803_20181209T214411_CO01 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T214411_CO01 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T2006_CO01 CS_OFFL_SIR_IOPM_2_20181209T214120_20181209T2006_CO01 CS_OFFL_SIR_IOPM_2_20181209T214250_20181209T20736_CO01 CS_OFFL_SIR_IOPM_2_20181209T20236_20181209T227378_CO01 CS_OFFL_SIR_IOPM_2_20181209T21427_20181209T23357_CO01 CS_OFFL_SIR_IOPM_2_20181209T21412_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T203754319_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T203754319_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T23453_CO01 CS_OFFL_SIR_IOPM_2_20181209T23453_DO0181209T23455_CO01 CS_OFFL_SIR_IOPM_2_20181209T23455_CO018209T23455_CO01 CS_OFFL_SIR_IOPM_2_20	CS_OFFL_SIR_IOPM_2_20181209T173926_20181209T174409_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T184948_20181209T195239_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 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 Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for one or more records. The Coean Range Averaging Status Flag has been set for	CS_OFFL_SIR_IOPM_2_20181209T180844_20181209T184200_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T193024_C001 CS_OFFL_SIR_IOPM_2_20181209T19328_20181209T193524_C001 CS_OFFL_SIR_IOPM_2_20181209T19328_20181209T193524_C001 CS_OFFL_SIR_IOPM_2_20181209T19328_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T20110_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T212033_20181209T210538_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214112_0181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T2141551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T2141551_20181209T2006_C001 CS_OFFL_SIR_IOPM_2_20181209T2141551_20181209T20736_C001 CS_OFFL_SIR_IOPM_2_20181209T2214172_C0181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221477_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221477_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221477_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223751_C001 CS_OFFL_SIR_IOPM_2_20181209T2373172_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T237319_20181209T20365_C001 CS_OFFL_SIR_IOPM_2_20181209T237319_20181209T20365_C001 CS_OFFL_SIR_IOPM_2_20181209T237319_20181209T20365_C001 CS_OFFL_SIR_IOPM_2_20181209T237319_20181209T20365_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T233919_C001 CS_OFFL_SIR_IOPM_2_20181209T233919_C001 CS_OFFL_SIR_IOPM_2_20181209T233919_C001	CS_OFFL_SIR_IOPM_2_20181209T184416_20181209T184928_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193524_C001 CS_OFFL_SIR_IOPM_2_20181209T193328_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T195036_20181209T200406_C001 CS_OFFL_SIR_IOPM_2_20181209T20551_20181209T2010_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T20210_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T210638_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T21427_20181209T22376_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T237392_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T237392_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T237392_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T237392_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T237392_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071355_0181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071355_0181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071355_0181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071355_0181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071355_0181209T071330_C001 CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20181209T184948_20181209T185239_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T195036_20181209T20406_C001 CS_OFFL_SIR_IOPM_2_20181209T20551_20181209T2020110_C001 CS_OFFL_SIR_IOPM_2_20181209T20551_20181209T202110_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T2054022_20181209T210638_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T20066_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T23857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T237712_20181209T23951_C001 CS_OFFL_SIR_IOPM_2_20181209T237712_20181209T23951_C001 CS_OFFL_SIR_IOPM_2_20181209T237712_20181209T23951_C001 CS_OFFL_SIR_IOPM_2_20181209T23731712_20181209T23951_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23465_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23465_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23766_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23766_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23766_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T23766_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234650_C001 CS_OFFL_SIR_IOPM_2_20181209T055_20181209T057466_C001 CS_OFFL_SIR_IOPM_2_20181209T055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T03534319_20181209T071330_C001 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20181209T190027_20181209T193054_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T203551_20181209T202110_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T202110_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T2055422_20181209T210638_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T22036_20181209T22076_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221477_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T2234712_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T2234712_20181209T22373921_C001 CS_OFFL_SIR_IOPM_2_20181209T234712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234712_20181209T234742_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T2315556_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CC_OCAR 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 Ocea	CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193524_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001 CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T210638_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T21441551_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T214006_C001 CS_OFFL_SIR_IOPM_2_20181209T214250_C001 CS_OFFL_SIR_IOPM_2_20181209T21427_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223451_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T153846_20181209T153700_C001	CS_OFFL_SIR_IOPM_2_20181209T195036_20181209T200406_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T210638_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T222758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T223921_C001 CS_OFFL_SIR_IOPM_2_20181209T233912_2071220710 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T01330_C001 CS_OFFL_SIR_IOPM_2_20181209T0153548_20181209T01330_C001 CS_OFFL_SIR_IOPM_2_20181209T0155368_20181209T01330_C001 CS_OFFL_SIR_IOPM_2_20181209T0155368_20181209T0153700_C001 CS_OFFL_SIR_IOPM_2_20181209T0153548_20181209T0153700_C001 COEan Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Avera	CS_OFFL_SIR_IOPM_2_20181209T200551_20181209T202110_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T220006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T220006_C001 CS_OFFL_SIR_IOPM_2_20181209T22036_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T22036_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T22036_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T03234319_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T153546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_20181209T07155546_20181209T071330_C001 CCS_OFFL_SIR_IOPN_2_	CS_OFFL_SIR_IOPM_2_20181209T203754_20181209T204803_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T22006_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T071300_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_I	CS_OFFL_SIR_IOPM_2_20181209T205422_20181209T210638_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T220006_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPN_2_20181209T062732_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T07155700_C001 CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T153700_C001 CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T15370	CS_OFFL_SIR_IOPM_2_20181209T212803_20181209T213955_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T06732_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071555_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07155546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T153546_20181209T153700_C001 CS_OFFL_SIR_IOPM_2_20181209T153546_20181209T1537	CS_OFFL_SIR_IOPM_2_20181209T214129_20181209T214411_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T2337712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07155546_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T153546_20181209T153700_C001 CS_OFFL_SIR_IOPM_2_20181209T05239546_20181209T153700_C001 CS_OFFL_SIR_IOPM_2_20181209T05239546_20181	CS_OFFL_SIR_IOPM_2_20181209T214551_20181209T220006_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07155_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T07153700_C001 CS_OFFL_SIR_IOPM_2_20181209T07153700_C001 CS_OFFL_SIR_IO	CS_OFFL_SIR_IOPM_2_20181209T220236_20181209T220736_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T231712_20181209T233921_C001 CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T07153700_C001	CS_OFFL_SIR_IOPM_2_20181209T221427_20181209T223758_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181209T234319_20181209T234653_C001 CS_OFFL_SIR_IOPM_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPN_2_20181209T062732_20181209T062746_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T07153700_C001 CS_OFFL_SIR_IOPN_2_20181209T071	CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20181209T05234319_20181209T062736_C001 CS_OFFL_SIR_IOPM_2_20181209T060732_20181209T062746_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T071330_C001 CS_OFFL_SIR_IOPM_2_20181209T07153546_20181209T071330_C001 Open 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_20181209T231712_20181209T233921_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001 CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T153700_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_20181209T234319_20181209T234653_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPN_2_201612091071035_201612091071530_C001 Ice Range Averaging Status records. CS_OFFL_SIR_IOPN_2_201612091071035_201612091071530_C001 Ice Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPN_2_20181209T062732_20181209T062746_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_IOPN_2_20181209T071055_20181209T071330_C001	Ice Range Averaging Status	
	CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T153700_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20181209T022145_20181209T022515_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPR_2_20181209T022145_20181209T022515_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20181209T184928_20181209T184934_C001	CS_OFFL_SIR_IOPR_2_20181209T184928_20181209T184934_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20181209T202839_20181209T202845_C001	CS_OFFL_SIR_IOPR_2_20181209T202839_20181209T202845_C001	Ice Range Averaging Status	

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181209T000437_20181209T003016_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_20181209T003234_20181209T003739_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T003758_20181209T004123_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T004453_20181209T005551_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_20181209T010125_20181209T0111119_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_20181209T0111148_20181209T011617_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_20181209T013958_20181209T020905_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_20181209T021214_20181209T021652_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T022516_20181209T025810_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_20181209T031056_20181209T031305_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_20181209T034219_20181209T034505_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_20181209T034704_20181209T034719_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_20181209T035157_20181209T035718_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181209T040352_20181209T042524_C001	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 SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20181209T042810_20181209T043749_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_20181209T044926_20181209T045333_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_20181209T050932_20181209T051420_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_20181209T051607_20181209T052631_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181209T053211 20181209T053617 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 20181209T054302 20181209T054824 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 20181209T054834 20181209T061541 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 20181209T063346 20181209T070356 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_20181209T072218_20181209T073943_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_20181209T074423_20181209T075128_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_20181209T081253_20181209T082827_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_20181209T083447_20181209T084549_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 20181209T084554 20181209T084622 C001 **Backscatter Averaging Status** more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T085217_20181209T085437_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_20181209T090144_20181209T091612_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 20181209T091751 20181209T093222 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_20181209T095547_20181209T100154_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_20181209T100317_20181209T100728_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_20181209T101124_20181209T102658_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20181209T103005_20181209T103840_C001 records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20181209T104108_20181209T110339_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 20181209T114116 20181209T120545 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T121204_20181209T121641_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 20181209T122024 20181209T124912 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 20181209T131827 20181209T132822 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_20181209T133400_20181209T134343_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T135122_20181209T135715_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_20181209T135944_20181209T142632_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_20181209T143608_20181209T143712_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 20181209T144949 20181209T152336 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_20181209T161317_20181209T161552_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_20181209T161636_20181209T161706_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 20181209T162923 20181209T163830 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_20181209T164116_20181209T170300_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T171037_20181209T171443_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 20181209T171935 20181209T172948 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_20181209T173136_20181209T173749_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_20181209T173926_20181209T174409_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 20181209T180844 20181209T184200 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181209T184416 20181209T184928 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T184948_20181209T185239_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_20181209T190027_20181209T193054_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20181209T193238_20181209T193524_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_20181209T195036_20181209T200406_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_20181209T200551_20181209T202110_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_20181209T203754_20181209T204803_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 20181209T205422 20181209T210638 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_20181209T214129_20181209T214411_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_20181209T214551_20181209T220006_C001 atter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181209T220236 20181209T220736 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_20181209T221427_20181209T223758_C001 Backscatter Averaging Status more records

CS_OFFL_SIR_IOPM_2_20181209T223857_20181209T224742_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_20181209T231712_20181209T233921_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_20181209T234319_20181209T234653_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181209T062732_20181209T062746_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_20181209T071055_20181209T071330_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181209T153546_20181209T153700_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_20181209T022145_20181209T022515_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_20181209T184928_20181209T184934_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181209T202839_20181209T202845_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has 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.

lumber 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).

umber of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181209T053539_20181209T062515_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181208T234820_20181209T003759_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_220181209T003759_20181209T012734_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_220181209T012734_20181209T021712_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_220181209T021712_20181209T030647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T030647_20181209T035626_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_220181209T035626_20181209T044601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T044601_20181209T053539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T053539_20181209T062515_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_220181209T062515_20181209T071453_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T071453_20181209T080428_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_220181209T080428_20181209T085406_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_220181209T085406_20181209T094342_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_220181209T094342_20181209T103320_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_220181209T103320_20181209T112255_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_20181209T112255_20181209T121234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T121234_20181209T130209_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_220181209T130209_20181209T135147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T135147_20181209T144122_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_220181209T144122_20181209T153101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T153101_20181209T162036_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_220181209T162036_20181209T171014_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_220181209T171014_20181209T175949_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_220181209T175949_20181209T184928_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_220181209T184928_20181209T193903_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_220181209T193903_20181209T202841_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_220181209T202841_20181209T211817_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_220181209T211817_20181209T220755_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_220181209T225730_20181209T234708_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_220181209T234708_20181210T003644_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181208T234820_20181209T003759_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_220181209T003759_20181209T012734_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_220181209T012734_20181209T021712_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_220181209T021712_20181209T030647_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_220181209T030647_20181209T035626_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_220181209T035626_20181209T044601_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_220181209T044601_20181209T053539_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_220181209T053539_20181209T062515_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_220181209T062515_20181209T071453_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_220181209T071453_20181209T080428_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_220181209T080428_20181209T085406_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_220181209T085406_20181209T094342_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_220181209T094342_20181209T103320_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_220181209T103320_20181209T112255_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_220181209T112255_20181209T121234_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_220181209T121234_20181209T130209_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_220181209T130209_20181209T135147_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_220181209T135147_20181209T144122_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_220181209T144122_20181209T153101_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_220181209T153101_20181209T162036_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_220181209T162036_20181209T171014_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_220181209T171014_20181209T175949_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_20181209T175949_20181209T184928_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_220181209T184928_20181209T193903_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_20181209T193903_20181209T202841_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_20181209T202841_20181209T211817_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_20181209T211817_20181209T220755_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_220181209T225730_20181209T234708_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_220181209T234708_20181210T003644_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has 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_220181208T234820_20181209T003759_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T003759_20181209T012734_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T012734_20181209T021712_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T021712_20181209T030647_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T030647_20181209T035626_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T035626_20181209T044601_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T044601_20181209T053539_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T053539_20181209T062515_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T071453_20181209T080428_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T080428_20181209T085406_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T085406_20181209T094342_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T094342_20181209T103320_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T103320_20181209T112255_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T112255_20181209T121234_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T121234_20181209T130209_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T130209_20181209T135147_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T135147_20181209T144122_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T153101_20181209T162036_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T162036_20181209T171014_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T171014_20181209T175949_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T175949_20181209T184928_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T184928_20181209T193903_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T193903_20181209T202841_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T202841_20181209T211817_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T211817_20181209T220755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181209T225730_20181209T234708_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.