



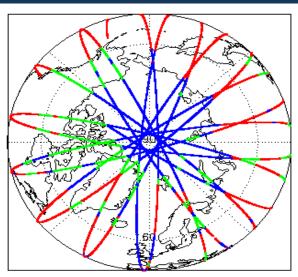
1. Overview

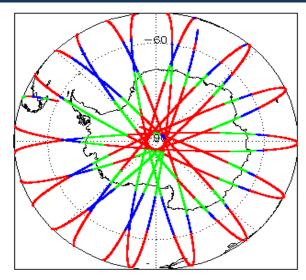
Report Production:	02-Jul-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

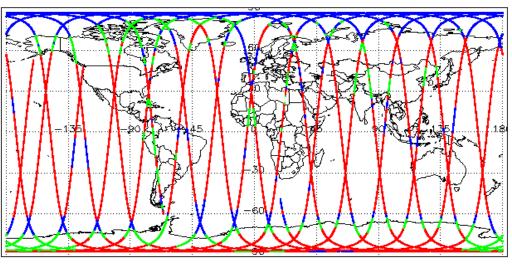
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

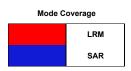
Ī	Mission / Instru	ment News
	27-Jun-2018	None
	28-Jun-2018	None
	29-Jun-2018	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180628T060831_20180628T061524_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180628T112953_20180628T113044_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180628T175113_20180628T175707_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180628T224903_20180628T225031_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:

14

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180628T042331_20180628T044031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180628T155810_20180628T160843_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T044330_20180628T044549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T061918_20180628T062429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T085850_20180628T090009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T093424_20180628T093944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T162333_20180628T162453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T170358_20180628T170939_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T180620_20180628T180849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T184545_20180628T184723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180628T230558_20180628T230714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180628T011604_20180628T011911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180628T022403_20180628T022738_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180628T234051_20180628T234442_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180628T060831_20180628T061524_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180628T112953_20180628T113044_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180628T175113_20180628T175707_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180628T224903_20180628T225031_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:

86

		1
Product CS_OFFL_SIR_IOPM_2_20180627T235854_20180628T003210_C001	Ocean Range Averaging Status	Description The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T003840_20180628T004352_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T004753_20180628T010537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T013629_20180628T021034_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T021515_20180628T021839_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T021856_20180628T022254_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T022738_20180628T025358_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T025415_20180628T030116_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T031342_20180628T032817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T033453_20180628T035009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T035219_20180628T035737_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T035756_20180628T035956_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T040825_20180628T042116_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T042331_20180628T044031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T050251_20180628T051317_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T051456_20180628T052900_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T053144_20180628T053648_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T053712_20180628T053827_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T054520_20180628T054618_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T055438_20180628T055709_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T060831_20180628T061524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T064630_20180628T064930_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T065127_20180628T070739_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180628T071151 20180628T071605 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T071611_20180628T071620_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T072304_20180628T074559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T082256_20180628T084715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T084955_20180628T085518_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T085525_20180628T085850_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T090224_20180628T091320_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180628T091857 20180628T093424 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180628T095751 20180628T102035 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T102139_20180628T102640_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T102949_20180628T103757_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T104219_20180628T111526_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T112838_20180628T112938_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T114847_20180628T115807_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T115851_20180628T120533_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T120927_20180628T121445_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180628T124544 20180628T125601 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T132706_20180628T133149_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180628T133706_20180628T134403 C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001	Ice Range Averaging Status	records.

CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T143721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T154019_20180628T155620_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T155810_20180628T160843_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T162453_20180628T162900_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T163017_20180628T164557_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T165216_20180628T170322_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T170939_20180628T171206_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T171234_20180628T171658_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T171947_20180628T173343_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T173523_20180628T174550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T181536_20180628T181924_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T182046_20180628T182613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T182743_20180628T184401_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T184723_20180628T185611_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T185906_20180628T192047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T195750_20180628T202309_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T202935_20180628T203402_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T203828_20180628T210503_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T213123_20180628T214552_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T215127_20180628T220142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T220850_20180628T221440_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T221707_20180628T223156_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T223737_20180628T224241_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T225349_20180628T225459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T230714_20180628T234050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T234756_20180628T235311_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T071605_20180628T071611_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T171659_20180628T171838_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T175807_20180628T175855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T185611_20180628T185819_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T230558_20180628T230714_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T234443_20180628T234756_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T021853_20180628T021856_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T035009_20180628T035039_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T084715_20180628T084840_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T144337_20180628T144458_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T225624_20180628T230414_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.

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

Number of products with errors:

Product	Test Failed	Description
CS OFFE SIR TOPM 2 201806271235854 201806281003210 C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T003840_20180628T004352_C001	lice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

Comp. 18. Comp. 2 productoristics of contractivities of of c		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
April 1991 2 DIRECTOR 1992 2 DIRECTOR 1993	CS_OFFL_SIR_IOPM_2_20180628T004753_20180628T010537_C001		
Description	CS_OFFL_SIR_IOPM_2_20180628T013629_20180628T021034_C001		
Co. PPL SR PPM 2 2100000710328 2010000710300 2010 Co. PPL SR PPM 2 2100000710302 2010000710300 2010 Co. PPL SR PPM 2 2100000710300 2010000710000 20100000710000 2010000710000 2010000710000 2010000710000 20100000710000 20100007100000 2010000710000 2010000710000 20100000710000 20100000710000 20100000710000 20100000710000 201000007100000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180628T021515_20180628T021839_C001	Ice Backscatter Averaging Status	
Fig. (Pert.) 2011-0000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180628T021856_20180628T022254_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
Set OFFE, BRILDING J. 201602070103-02 (201602071003-02 CO) SET OFFE SELLOPE J. 201602070103-03 (201602071003-02 CO) SET OFFE SELLOPE J. 20160207103-03 (CS OFFL SIR IOPM 2 20180628T022738 20180628T025358 C001		The SWH and Ocean Averaging Status Flags have been set for one or
Service (Company) (Company	CS OFFI SIR IOPM 2 20180628T025415 20180628T030116 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SOUTH_EN_OPH_2 INDOCROTICES IS_20000021103917_COIL COLUMN_EN_OPH_2 INDOCROTICES IS_200000021103917_COIL COLUMN_EN_OPH_2 INDOCROTICES IS_20000021103917_COIL COLUMN_EN_OPH_2 INDOCROTICES IS_			
Co. DEFL. BILL (DEFL. 2 STREAMED ANALYSIS STATE.) Co. DE			
SO GHE, SAY, CHAIR 2 DISSOCRITICATE	CS_OFFL_SIR_IOPM_2_201806281033453_201806281035009_C001		more records.
Sec. PFFL, Self-Conft. 2 differentiations of the self-conft of the	CS_OFFL_SIR_IOPM_2_20180628T035219_20180628T035737_C001		records.
So, OFF_SIN_UPN_2_PROBROTTOSO_3100000710000_2010000710000_20100000710000_20100000710000_20100000710000_20100000710000_2010000007100000_201000007100000_201000007100000_201000007100000_2010000007100000_201000007100000_201000007100000_201000007100000_2010000071000000_20100000710000000000	CS_OFFL_SIR_IOPM_2_20180628T040825_20180628T042116_C001	Backscatter Averaging Status	more records.
Sec. OFFL. SRI, ICMA 2, 20100221703142, 201002	CS_OFFL_SIR_IOPM_2_20180628T042331_20180628T044031_C001		
Secretary 2, 2018 (2017) 2, 2018 (20	CS_OFFL_SIR_IOPM_2_20180628T050251_20180628T051317_C001		
Description of the Description According Status Figs has been set for one or more record. CS. OFFL. SR. (DRA 2. 20186660T056855 20190026T056465 C001) ES DESCRIPTION OF THE CONTROL 2018660T056460 20190026T056465 C001 ES DESCRIPTION OF THE CONTROL 2018600T05600 C001 ES DESCRIPTION OF THE CONT	CS_OFFL_SIR_IOPM_2_20180628T051456_20180628T052900_C001		
Description of Buckessate Averaging Status Fig. has been as for one or more records. See J. P. J. 2019 (2019) 2. 2019 (2019)	CS_OFFL_SIR_IOPM_2_20180628T053144_20180628T053648_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_JONA_2_01800281705419_201800281707570_001 CS_OFFL_SIR_JONA_2_01800281705430_201800281705470_001 CS_OFFL_SIR_JONA_2_01800281705430_201800281705470_001 CS_OFFL_SIR_JONA_2_01800281705430_201800281705470_001 CS_OFFL_SIR_JONA_2_01800281705430_201800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_201800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_201800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_201800281705400_001 CS_OFFL_SIR_JONA_2_01800281705412_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705412_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705400_001 CS_OFFL_SIR_JONA_2_01800281705200_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_018002817050_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170530_001 CS_OFFL_SIR_JONA_2_0180028170500_001 CS_OFFL_SIR_JONA_2_0180028170500_001 CS_OFFL_SIR_JONA_2_0180028170500_001 CS_OFFL_SIR_JONA_2_0180028170500001705000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180628T053655_20180628T053706_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
SS_OFFL_SR_JORM_2_0160028T00458_0160028T00549_0.001 SS_OFFL_SR_JORM_2_0160028T00458_0160028T00579_0.001 SS_OFFL_SR_JORM_2_0160028T00450_0160028T00579_0.001 SS_OFFL_SR_JORM_2_0160028T00450_0160028T00579_0.001 SS_OFFL_SR_JORM_2_0160028T00450_0160028T00549_0.001 SS_OFFL_SR_JORM_2_0160028T00450_0160028T00450_0.001 SS_OFFL_SR_JORM_2_0160028T00450_	CS_OFFL_SIR_IOPM_2_20180628T053712_20180628T053827_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
SOFFL_SR_(IPRL_2_20180028706430_20180028700798_C001 SOFFL_SR_(IPRL_2_20180028706430_20180028700798_C001 SOFFL_SR_(IPRL_2_20180028706430_20180028700798_C001 SOFFL_SR_(IPRL_2_20180028706430_20180028700798_C001 SOFFL_SR_(IPRL_2_20180028706430_2018002870198_C001 SOFFL_SR_(IPRL_2_20180028706430_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028706430_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707943_2018002870798_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C001 SOFFL_SR_(IPRL_2_20180028707983_20180028707949_C00180028707949	CS OFFL SIR IOPM 2 20180628T054520 20180628T054618 C001		The SWH and Ocean Averaging Status Flags have been set for one or
SOFT_SR_JOPM_2_2018002871090531_201800287091802_C001 SS_OFT_SR_JOPM_2_201800287096180_20180028709180_C001 SS_OFT_SR_JOPM_2_201800287096180_2018002870978_C001 SS_OFT_SR_JOPM_2_20180028709119_2018002870978_C001 SS_OFT_SR_JOPM_2_20180028709119_2018002870978_C001 SS_OFT_SR_JOPM_2_20180028709119_20180028709180_C001 SS_OFT_SR_JOPM_2_20180028709180_C00180028709180_C001 SS_OFT_SR_JOPM_2_201800287109180_C00180028709180_C001 SS_OFT_SR_JOPM_2_201800287109180_C00180028709180_C001 SS_OFT_SR_JOPM_2_201800287109180_C00180028709180_C001 SS_OFT_SR_JOPM_2_201800287109180_C00180028709190_C00180		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SOFFL_SR_JOPM_2_2018002811091271915_20180028110912_CO11 SOFFL_SR_JOPM_2_201800281091595_20180028110912_CO11 SOFFL_SR_JOPM_2_201800281071911_20180028107192_CO11 SOFFL_SR_JOPM_2_201800281071911_20180028107192_CO11 SOFFL_SR_JOPM_2_201800281071911_20180028107192_CO11 SOFFL_SR_JOPM_2_201800281071911_20180028107192_CO11 SOFFL_SR_JOPM_2_201800281071911_20180028107192_CO11 SOFFL_SR_JOPM_2_201800281071911_201800281091092_CO11 SOFFL_SR_JOPM_2_201800281071911_201800281091092_CO11 SOFFL_SR_JOPM_2_20180028109495_201800281094715_CO11 SOFFL_SR_JOPM_2_20180028109475_CO1800281094715_CO11 SOFFL_SR_JOPM_2_20180028109475_CO180028109420_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109405_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109400_CO1800281109400_CO11 SOFFL_SR_JOPM_2_201800281109400_CO1800281109400_CO11 SOFFL_SR_JOPM_2_2018002811109400_CO			
Badocater Averaging Status Figs have been set for one or more records. S. OFFL_SR_IOPM_2_0180628107151_201806281071605_C001 S. OFFL_SR_IOPM_2_0180628107151_201806281071605_C001 S. OFFL_SR_IOPM_2_0180628107151_201806281071605_C001 S. OFFL_SR_IOPM_2_0180628107151_201806281071605_C001 S. OFFL_SR_IOPM_2_0180628107151_201806281071605_C001 S. OFFL_SR_IOPM_2_01806281071605_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_01806281071605_C00106281065616_C001 S. OFFL_SR_IOPM_2_018062810716056_C00106281065616_C001 S. OFFL_SR_IOPM_2_018062810716056_C00106281106561_C001 S. OFFL_SR_IOPM_2_01806281116661_C001 S. OFFL_SR_I		Backscatter Averaging Status	more records.
Backscatter Averaging Status Fig. (PPM_2 2018062810911519, 201806281017005) CO01 S. (PFE_SR_IOPM_2 201806281071519, 201806281017005, CO01 S. (PFE_SR_IOPM_2 201806281071519, 201806281071005, CO01 S. (PFE_SR_IOPM_2 201806281071519, 201806281071005, CO01 S. (PFE_SR_IOPM_2 201806281071519, 201806281071005, CO01 S. (PFE_SR_IOPM_2 2018062810710529, CO01 S. (PFE_SR_IOPM_2 20180628109295, 20180628105516, CO01 S. (PFE_SR_IOPM_2 20180628109295, 20180628105516, CO01 S. (PFE_SR_IOPM_2 20180628109295, 20180628105506, CO01 S. (PFE_SR_IOPM_2 20180628109295, 20180628105506, CO01 S. (PFE_SR_IOPM_2 201806281093652, CO01 S. (PFE_SR_IOPM_2 20180628109366, CO01 S. (PFE_SR_IOPM_2 2018062810936, CO01 S. (PFE_SR_IOPM_2 20180628110936, CO01 S. (PFE_SR_IOPM_2 201806281109	CS_OFFL_SIR_IOPM_2_20180628T060831_20180628T061524_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status Fig. Spr. Jo. 201800281701612_01800281701620_0001 CS. OFFL_SIR_JOPM_2_201800281701612_01800281701620_0001 CS. OFFL_SIR_JOPM_2_201800281701612_01800281701620_0001 CS. OFFL_SIR_JOPM_2_201800281702556_00180028170420_0001 CS. OFFL_SIR_JOPM_2_201800281702556_00180028170420_0001 CS. OFFL_SIR_JOPM_2_201800281704256_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170420_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170420_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170420_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170420_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170430_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170430_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170430_000180028170430_0001 CS. OFFL_SIR_JOPM_2_20180028170430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_2018002817040_001800281710430_0001 CS. OFFL_SIR_JOPM_2_2018002817040_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710430_001800281710430_0001 CS. OFFL_SIR_JOPM_2_201800281710440_001800	CS_OFFL_SIR_IOPM_2_20180628T064630_20180628T064930_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180628109240_2018062810180_0000 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810850_0001 SS_OFFL_SIR_IOPM_2_20180628109256_2018062810930_0001 SS_OFFL_SIR_IOPM_2_20180628109256_0001 SS_OFFL_SIR_IOPM_2_20180628109286_0001 SS_OFFL_SIR_IOPM_2_20180628109286_0001 SS_OFFL_SIR_IOPM_2_20180628110930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_00088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_00088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_00088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_00088111830_0001 SS_OFFL_SIR_IOPM_2_20180628110930_00088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111830_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_000088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628111930_00088111930_0001 SS_OFFL_SIR_IOPM_2_20180628119300_0088111930_0001 SS_OFFL_SIR_IOPM_2_20180628119300_0088	CS_OFFL_SIR_IOPM_2_20180628T065127_20180628T070739_C001		
CS_OFFL_SIR_LOPM_2_20180628T092392_20180628T094715_C001 CS_OFFL_SIR_LOPM_2_20180628T092392_20180628T094715_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T094715_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T0965680_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T096590_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T09630_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T09630_C001 CS_OFFL_SIR_LOPM_2_20180628T096552_20180628T09630_C001 CS_OFFL_SIR_LOPM_2_20180628T09637_20180628T0963424_C001 CS_OFFL_SIR_LOPM_2_20180628T0965751_20180628T00236_C001 CS_OFFL_SIR_LOPM_2_20180628T09637_20180628T102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1102305_C001 CS_OFFL_SIR_LOPM_2_20180628T102419_20180628T1113005_C001 CS_OFFL_SIR_LOPM_2_20180628T1102419_C001 CS_OFFL_SIR_LOPM_2_20180628T1102419_C0010628T1115007_C001 CS_OFFL_SIR_LOPM_2_20180628T112308_C0180628T112033_C001 CS_OFFL_SIR_LOPM_2_20180628T112308_C0180628T113005_C001 CS_OFFL_SIR_LOPM_2_20180628T113080_C0180628T113005_C001 CS_OFFL_SIR_LOPM_2_20180628T113080_C0180628T113005_C001 CS_OFFL_SIR_LOPM_2_20180628T113080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T113080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T113080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20180628T13080_C0180628T13005_C001 CS_OFFL_SIR_LOPM_2_20	CS_OFFL_SIR_IOPM_2_20180628T071151_20180628T071605_C001	Ice Backscatter Averaging Status	
SO FFE_SIR_IOPM_2_20180628T09286_20180628T094515_CO01 SO-FFE_SIR_IOPM_2_20180628T094055_20180628T095516_CO01 SO-FFE_SIR_IOPM_2_20180628T094055_20180628T095516_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095580_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T095525_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T095526_CO01 SO-FFE_SIR_IOPM_2_20180628T102849_20180628T10956_CO01 SO-FFE_SIR_IOPM_2_20180628T102849_20180628T119580_CO01 SO-FFE_SIR_IOPM_2_20180628T112838_20180628T119580_CO01 SO-FFE_SIR_IOPM_2_20180628T112838_20180628T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T112838_20180628T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T112838_C008808T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T112838_C00881 SO-FFE_SIR_IOPM_2_20180628T112838_C0088T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T12838_C0088T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T12838_C0088T119590_CO01 SO-FFE_SIR_IOPM_2_20180628T128967_C001 SO-FFE_SIR_IOPM_2_20180628T128967_C001 SO-FFE_SIR_IOPM_2_20180628T128967_C001 SO-FFE_SIR_IOPM_2_20180628T128061_C0088T12850_C0088	CS_OFFL_SIR_IOPM_2_20180628T071611_20180628T071620_C001	Ice Backscatter Averaging Status	
SOFFL_SIR_IOPM_2_20180628T08255_20180628T08555_C0101 Se Backscatter Averaging Status to Backscatter Averaging Status The SIM and Ocean Averaging Status Flags have been set for one or more records. SOFFL_SIR_IOPM_2_20180628T086255_20180628T085550_C0101 Se Backscatter Averaging Status The loe Backscatter Averaging Status The SIM and Ocean Averaging Status Flags have been set for one or more records. SOFFL_SIR_IOPM_2_20180628T09575_20180628T09305_C001 SOFFL_SIR_IOPM_2_20180628T002549_20180628T102305_C001 SOFFL_SIR_IOPM_2_20180628T102139_20180628T102355_C001 SOFFL_SIR_IOPM_2_20180628T102139_20180628T102355_C001 SOFFL_SIR_IOPM_2_20180628T102139_20180628T102355_C001 SOFFL_SIR_IOPM_2_20180628T102139_20180628T102350_C001 SOFFL_SIR_IOPM_2_20180628T102350_C001 SOFFL_SIR_IOPM_2_20180628T102350_C001 SOFFL_SIR_IOPM_2_20180628T102350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T112350_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T134450_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T134450_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13400_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13505_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13505_C001 SOFFL_SIR_IOPM_2_20180628T130057_20180628T13505_C001 SOF	CS_OFFL_SIR_IOPM_2_20180628T072304_20180628T074559_C001		
CS_OFFL_SIR_IOPM_2_20180628708595_20180628708596_C001 CS_OFFL_SIR_IOPM_2_201806287085952_20180628709324_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628710939_C0180628710939_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628710219_20180628710205_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628710219_201806287110206_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628710219_20180628710205_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628710219_20180628710205_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been set for one or more records. SWH Averaging Status Flags have been	CS_OFFL_SIR_IOPM_2_20180628T082256_20180628T084715_C001	SWH Averaging Status, Ocean	
CS_OFFL_SIR_IOPM_2_20180628T08525_20180628T09324_CO01 SWH Averaging Status, Ocean Backscatter Averaging Status Flag has been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T09324_20180628T09324_CO01 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T10219_20180628T10205_CO01 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T10219_20180628T10205_CO01 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T10219_20180628T10235_CO01 SWH Averaging Status Coveraging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T10219_20180628T10256_CO01 SWH Averaging Status Coveraging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T10219_20180628T10258_CO01 SWH Averaging Status Coveraging Status Flags have been set for one or more records. S_OFFL_SIR_IOPM_2_20180628T102459_20180628T10258_CO01 S_OFFL_SIR_IOPM_2_20180628T11458T_20180628T11580T_CO01 S_OFFL_SIR_IOPM_2_20180628T114581_20180628T114580_CO01 S_OFFL_SIR_IOPM_2_20180628T112580_CO0180628T112458_CO01 S_OFFL_SIR_IOPM_2_20180628T112580_CO0180628T112458_CO01 S_OFFL_SIR_IOPM_2_20180628T112580_CO0180628T112458_CO01 S_OFFL_SIR_IOPM_2_20180628T112580_CO0180628T112458_CO01 S_OFFL_SIR_IOPM_2_20180628T112580_CO0180628T112458_CO01 S_OFFL_SIR_IOPM_2_20180628T102580_CO0180628T112580_CO0180	CS_OFFL_SIR_IOPM_2_20180628T084955_20180628T085518_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
SS_OFFL_SIR_JOPM_2_20180628T09024_20180628T0939424_C001 SS_OFFL_SIR_JOPM_2_20180628T095751_20180628T102035_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T102640_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T102640_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T102650_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T102650_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T102650_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T112338_C001 SS_OFFL_SIR_JOPM_2_20180628T10239_20180628T112338_C001 SS_OFFL_SIR_JOPM_2_20180628T112533_C001 SS_OFFL_SIR_JOPM_2_20180628T112535_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T112536_C001 SS_OFFL_SIR_JOPM_2_20180628T102533_C001 SS_OFFL_SIR_JOPM_2_20180628T102533_C001 SS_OFFL_SIR_JOPM_2_20180628T102533_C001 SS_OFFL_SIR_JOPM_2_20180628T102533_C001 SS_OFFL_SIR_JOPM_2_20180628T102533_C001 SS_OFFL_SIR_JOPM_2_20180628T102536_C010001 SS_OFFL_SIR_JOPM_2_20180628T102506_C010001 SS_OFFL_SIR_JOPM_2_20180628T1000000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180628T085525_20180628T085850_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
SVH Averaging Status, Ocean more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have been set for one or more records. The SVH and Ocean Averaging Status Flags have bee	CS_OFFL_SIR_IOPM_2_20180628T090224_20180628T091320_C001		The SWH and Ocean Averaging Status Flags have been set for one or
SVH Averaging Status. Ocean more records. SVH Averaging Status Coean machine records. SVH Averaging Status Co	CS_OFFL_SIR_IOPM_2_20180628T091857_20180628T093424_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SWH Averaging Status. Ocean Backscatter Averaging Status Flags have been set for one or more records. The Iss Bull and Ocean Averaging Status Flags have been set for one or more records. The Iss Bull and Ocean Averaging Status Flags have been set for one or more records. The Iss Bull and Ocean Averaging Status Flags have been set for one or more records. The Iss Bull and Ocean Averaging Status Flags have been set for one or more records. The Iss Bull and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. 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	CS_OFFL_SIR_IOPM_2_20180628T095751_20180628T102035_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180628T102949_20180628T111526_C001 S_OFFL_SIR_IOPM_2_20180628T104219_20180628T1115807_C001 S_OFFL_SIR_IOPM_2_20180628T114847_20180628T115807_C001 CS_OFFL_SIR_IOPM_2_20180628T114847_20180628T115807_C001 CS_OFFL_SIR_IOPM_2_20180628T112838_20180628T112833_C001 CS_OFFL_SIR_IOPM_2_20180628T112836_20180628T112835_C001 CS_OFFL_SIR_IOPM_2_20180628T1208628T12083_C001 CS_OFFL_SIR_IOPM_2_20180628T1208628T1208628T001 CS_OFFL_SIR_IOPM_2_20180628T1208628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T132706_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133340_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133340_C001 CS_OFFL_SIR_IOPM_2_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_20180628T133335_C001 CS_OFFL_SIR_IOPM_2_20180628T144010_2018	CS_OFFL_SIR_IOPM_2_20180628T102139_20180628T102640_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Synth Averaging Status, Ocean Backscatter Averaging Status and Ocean Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
SWH Averaging Status Cocan Backscatter Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. SWH Averaging Status Ocean Backscatter Averaging Status Succean Backscatter Averaging Status Succean Backscatter Averaging Status Ocean Backscatter Averaging Status Ocean Backscatter Averaging Status Succean Backscatter Averaging Status Succean Backscatter Averaging Status Ocean Backscatter Averaging Status Succean Backscatter Averaging Status Ocean Backscatter Averaging Status Succean Backscatter Averaging Status Ocean Backscatter Averaging Status Succean Backscatter Aver		SWH Averaging Status, Ocean	
SWH Averaging Status CS_OFFL_SIR_IOPM_2_20180628T114847_20180628T12445_C001 CS_OFFL_SIR_IOPM_2_20180628T120927_20180628T12445_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T12445_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T1245601_C001 CS_OFFL_SIR_IOPM_2_20180628T120533_C001 CS_OFFL_SIR_IOPM_2_20180628T120502_C00180628T122136_C001 CS_OFFL_SIR_IOPM_2_20180628T120502_C00180628T124544_C001 CS_OFFL_SIR_IOPM_2_20180628T120502_C00180628T122136_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T133338_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T133338_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T133338_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T134721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T1445005_20180628T14470101 CS_OFFL_SIR_IOPM_2_20180628T1445701_C001 CS_OFFL_SIR_IOPM_2_20180628T1445701_C001 CS_OFFL_SIR_IOPM_2_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T153555_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T153555_001		, , , , , , , , , , , , , , , , , , ,	
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T115851_20180628T120533_C001 CS_OFFL_SIR_IOPM_2_20180628T120927_20180628T124455_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T1245501_C001 CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T1245501_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 SWH Averaging Status SWH Averaging Status SWH Averaging Status CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 Backscatter Averaging Status SWH Averaging Status The Ioe Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status SWH Averaging Status SWH Averaging Status SWH Averaging Status The SWH and Oce			
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T120927_20180628T121445_C001 CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T125601_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T133706_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133403_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135145_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135145_C001 CS_OFFL_SIR_IOPM_2_20180628T135045_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145706_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20	CS_OFFL_SIR_IOPM_2_20180628T114847_20180628T115807_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001 CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T125601_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T13118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001 CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145706_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T145706_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C	CS_OFFL_SIR_IOPM_2_20180628T115851_20180628T120533_C001		more records.
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T125601_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 CS_OFFL_SIR_IOPM_2_20180628T132706_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T133149_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001 CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T1440505_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145706_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T153255_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T153255_C00180	CS_OFFL_SIR_IOPM_2_20180628T120927_20180628T121445_C001		records.
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001 SWH Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001 CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153	CS_OFFL_SIR_IOPM_2_20180628T122136_20180628T124258_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T132706_20180628T133149_C001 SWH Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001 SWH Averaging Status SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flags have been set for one or more	CS_OFFL_SIR_IOPM_2_20180628T124544_20180628T125601_C001		
CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001 CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001 CS_OFFL_SIR_IOPM_2_20180628T145041_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145055_20180628T153555_C001 CS_OFFL_SIR_IOPM_2_20180628T145055_20180628T153555_C001 CS_OFFL_SIR_IOPM_2_20180628T145055_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T145055_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T153255_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T153255_20180628T153255_	CS_OFFL_SIR_IOPM_2_20180628T130640_20180628T131118_C001		
CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001 CS_OFFL_SIR_IOPM_2_20180628T145014_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T153255_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153057_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153057_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T154019_	CS_OFFL_SIR_IOPM_2_20180628T132706_20180628T133149_C001		
CS_OFFL_SIR_IOPM_2_20180628T1440101_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T155620_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T155620_C001	CS_OFFL_SIR_IOPM_2_20180628T133336_20180628T134403_C001		
CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T143721_C001 CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T145701_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153735_	CS_OFFL_SIR_IOPM_2_20180628T135041_20180628T135345_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status Status, Ocean Backscatter Averaging Status Status, Ocean Backscatter Averaging Status SWH Averaging Status Status SWH Averaging Status Status SWH Averaging Status Stat	CS_OFFL_SIR_IOPM_2_20180628T140101_20180628T143721_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180628T145705_20180628T145701_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Status, Ocean Backscatter Averaging Status Status, Ocean Backscatter Averaging Status Status SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 Loe Backscatter Averaging Status Loe Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180628T144857_20180628T144921_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180628T145716_20180628T152122_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 Ice Backscatter Averaging Status Into Eccords. The SWH and Ocean Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flag has been set for one or more records. The lce Backscatter Averaging Status Flag has been set for one or more records. SWH Averaging Status The lce Backscatter Averaging Status Flag has been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records. The lce Backscatter Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180628T145005_20180628T145701_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180628T153057_20180628T153251_C001 Ice Backscatter Averaging Status Into Eccords. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180628T153525_20180628T153735_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OEFL_SIR_IOPM_2_20180628T154019_20180628T155620_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
Backscatter Averaging Status more records.	55_5.1 E_6.1.2_6.1 m_E_E01000201104010_E01000201100020_0001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20180628T155810_20180628T160843_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_20180628T162453_20180628T162900_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T163017_20180628T164557_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_20180628T165216_20180628T170322_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_20180628T170939_20180628T171206_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T171234_20180628T171658_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T171947_20180628T173343_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_20180628T173523_20180628T174550_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_20180628T181536_20180628T181924_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_20180628T182046_20180628T182613_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_20180628T182743_20180628T184401_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_20180628T184723_20180628T185611_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T185906_20180628T192047_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_20180628T195750_20180628T202309_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_20180628T202935_20180628T203402_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T203828_20180628T210503_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_20180628T213123_20180628T214552_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_20180628T215127_20180628T220142_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_20180628T220850_20180628T221440_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180628T221707_20180628T223156_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_20180628T223737_20180628T224241_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_20180628T225349_20180628T225459_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_20180628T230714_20180628T234050_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_20180628T234756_20180628T235311_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T071605_20180628T071611_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180628T171659_20180628T171838_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_20180628T175807_20180628T175855_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_20180628T185611_20180628T185819_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_20180628T230558_20180628T230714_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_20180628T234443_20180628T234756_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T021853_20180628T021856_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180628T035009_20180628T035039_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_20180628T084715_20180628T084840_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_20180628T1444337_20180628T144458_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_20180628T225624_20180628T230414_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors: 58

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

6.1 P2P Product Format Check

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

lumber 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

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_220180628T053705_20180628T062644_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180628T112425_20180628T121400_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180628T171140_20180628T180119_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180628T220921_20180628T225900_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180627T234950_20180628T003925_C001	Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180628T003925_20180628T012904_C001	Range Averaging Status 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_220180628T012904_20180628T021838_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_220180628T021838_20180628T030817_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_220180628T030817_20180628T035752_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_220180628T035752_20180628T044731_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T044731_20180628T053705_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_220180628T053705_20180628T062644_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T062644_20180628T071619_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_220180628T071619_20180628T080558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T080558_20180628T085533_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_220180628T085533_20180628T094512_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_220180628T094512_20180628T103446_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_220180628T103446_20180628T112425_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_220180628T112425_20180628T121400_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_220180628T121400_20180628T130339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T130339_20180628T135313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T135313_20180628T144252_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T144252_20180628T153227_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T153227_20180628T162206_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_220180628T162206_20180628T171140_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_220180628T171140_20180628T180119_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_220180628T180119_20180628T185054_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_220180628T185054_20180628T194033_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T194033_20180628T203008_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_220180628T203008_20180628T211947_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_220180628T211947_20180628T220921_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_220180628T220921_20180628T225900_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_220180628T225900_20180628T234835_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_20180628T234835_20180629T003814_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180627T234950_20180628T003925_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_20180628T003925_20180628T012904_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_20180628T012904_20180628T021838_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_220180628T021838_20180628T030817_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_220180628T030817_20180628T035752_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_220180628T035752_20180628T044731_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_220180628T044731_20180628T053705_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_220180628T053705_20180628T062644_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_220180628T062644_20180628T071619_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_220180628T071619_20180628T080558_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_220180628T080558_20180628T085533_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_220180628T085533_20180628T094512_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_220180628T094512_20180628T103446_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_20180628T103446_20180628T112425_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_20180628T112425_20180628T121400_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_20180628T121400_20180628T130339_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_220180628T130339_20180628T135313_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_220180628T135313_20180628T144252_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_220180628T144252_20180628T153227_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_220180628T153227_20180628T162206_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_220180628T162206_20180628T171140_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_220180628T171140_20180628T180119_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_220180628T180119_20180628T185054_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_20180628T185054_20180628T194033_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_220180628T194033_20180628T203008_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_20180628T203008_20180628T211947_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_220180628T211947_20180628T220921_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_20180628T220921_20180628T225900_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_220180628T225900_20180628T234835_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors: 29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180627T234950_20180628T003925_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T003925_20180628T012904_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T012904_20180628T021838_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180628T021838_20180628T030817_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180628T030817_20180628T035752_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T035752_20180628T044731_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T044731_20180628T053705_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T053705_20180628T062644_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T062644_20180628T071619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T071619_20180628T080558_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T080558_20180628T085533_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T085533_20180628T094512_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T094512_20180628T103446_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T103446_20180628T112425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T112425_20180628T121400_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T121400_20180628T130339_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T130339_20180628T135313_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T135313_20180628T144252_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T144252_20180628T153227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T153227_20180628T162206_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T162206_20180628T171140_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T171140_20180628T180119_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T180119_20180628T185054_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T185054_20180628T194033_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T194033_20180628T203008_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T203008_20180628T211947_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T211947_20180628T220921_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180628T220921_20180628T225900_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180628T225900_20180628T234835_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.