



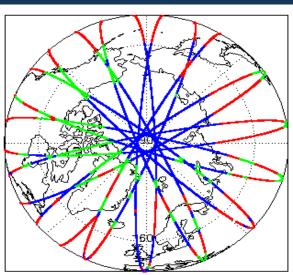
1. Overview

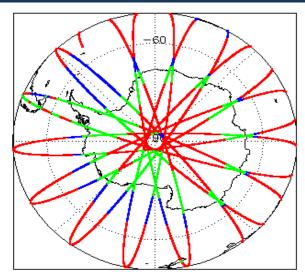
Report Production:	07-May-2019	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

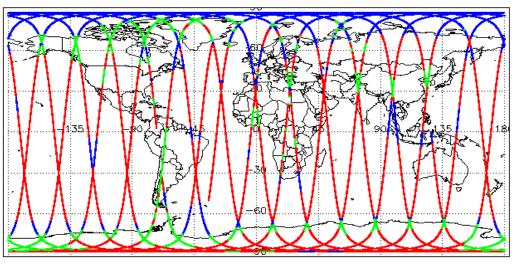
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

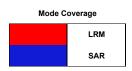
Mission / Instrument News		
01-May-2019	None	
02-May-2019	None	
03-May-2019	Nothing planned	

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:

Ω

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:

30

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190502T134024_20190502T134954_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190502T203437_20190502T203542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T015159_20190502T015310_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T015430_20190502T015630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T022823_20190502T023017_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T024516_20190502T024645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T0333118_20190502T033344_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T041401_20190502T041550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T050454_20190502T050511_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T055333_20190502T055513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T060226_20190502T060513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T065322_20190502T065759_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T081152_20190502T081349_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T082405_20190502T082434_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T083450_20190502T083636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T132037_20190502T132323_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T141602_20190502T142208_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T181140_20190502T181720_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190502T182500_20190502T182516_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T015630_20190502T020037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T032459_20190502T033118_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T064305_20190502T065322_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T095635_20190502T100108_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T100131_20190502T100344_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T100455_20190502T101355_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T164028_20190502T164906_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T173741_20190502T173921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T182516_20190502T182628_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T204444_20190502T204533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190502T213454_20190502T214214_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190502T013804_20190502T014524_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_20190502T051745_20190502T052055_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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190502T001808_20190502T003614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T003721_20190502T005059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T005914_20190502T010113_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T010228_20190502T010615_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T010808_20190502T012335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T015310_20190502T015430_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T020231_20190502T021421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T023017_20190502T023141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T023725_20190502T024516_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T024726_20190502T030240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T034041_20190502T041322_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T041821_20190502T042407_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T042657_20190502T045215_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T052339_20190502T053501_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T054036_20190502T055147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T055800_20190502T060226_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T060541_20190502T063436_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T065759_20190502T073058_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T073710_20190502T074247_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T074415_20190502T075031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T082147_20190502T082317_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T083636_20190502T091016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T091614_20190502T092126_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T092339_20190502T094312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T101501_20190502T104837_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T105340_20190502T105613_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T105619_20190502T110030_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T110301_20190502T113124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T113140_20190502T113853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T115539_20190502T120551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T121224_20190502T122802_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T122953_20190502T123511_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T123530_20190502T123733_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T124612_20190502T125849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T130103_20190502T131312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T134024_20190502T134954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
	Onen Benne Avenering Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190502T135230_20190502T140710_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190502T135230_20190502T140710_C001 CS_OFFL_SIR_IOPM_2_20190502T141446_20190502T141602_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_20190502T144603_20190502T144953_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T152928_20190502T154607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T154913_20190502T155339_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T155400_20190502T155537_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T155957_20190502T162459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T170004_20190502T172543_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T172732_20190502T173252_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T173259_20190502T173623_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T173921_20190502T175053_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T175629_20190502T181140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T183519_20190502T190541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T190719_20190502T191529_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T191842_20190502T195308_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T220438_20190502T220923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T221110_20190502T222351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T224326_20190502T231017_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T232741_20190502T233442_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T233504_20190502T235857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190502T015430_20190502T015630_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190502T050454_20190502T050511_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190502T055333_20190502T055513_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190502T204533_20190502T204659_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190502T010756_20190502T010808_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190502T100131_20190502T100344_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190502T155848_20190502T155957_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190502T191644_20190502T191842_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190502T001808_20190502T003614_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_20190502T003721_20190502T005059_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_20190502T005914_20190502T010113_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T010228_20190502T010615_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T010808_20190502T012335_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_20190502T015310_20190502T015430_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T020231_20190502T021421_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_20190502T023234_20190502T023355_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_20190502T023725_20190502T024516_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190502T024726_20190502T030240_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_20190502T034041_20190502T041322_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_20190502T041821_20190502T042407_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

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April 1997 Control 2010 Contro	CS_OFFL_SIR_IOPM_2_20190502T042657_20190502T045215_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
Secondary Average State. Once G. OFF, BR (OFF) 2 000002770970 000000000000000000000000	CS_OFFL_SIR_IOPM_2_20190502T052339_20190502T053501_C001		
Computer	CS_OFFL_SIR_IOPM_2_20190502T054036_20190502T055147_C001		
ES OFFE, SE ICHES 2 DISSECTIONS DISSECTIONS DISSECTIONS OFFE SE ICHES SE IC	CS_OFFL_SIR_IOPM_2_20190502T055800_20190502T060226_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
Set PERF. BILL DATA 2. 201000007100162, 201000007100162, COORD OFFI. BILL DATA 2. 2010000071100162, 201000007100162, COORD OFFI. BILL DATA 2. 2010000071100162, 2010000071100162, COORD OFFI. BILL DATA 2. 2010000071100162, 201000071100162, COORD OFFI. BILL DATA 2. 201000071100162, COORD O	CS_OFFL_SIR_IOPM_2_20190502T060541_20190502T063436_C001		The SWH and Ocean Averaging Status Flags have been set for one or
South Set Company Devices Principally 2 processor Principal State 1 Page 1 principal State 2 principal State	CS OFFL SIR IOPM 2 20190502T065759 20190502T073058 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFT_BILLOW_2_STROCCTIONS_CONSTRUCT_COST_COST_COST_COST_COST_COST_COST_CO			The Ice Backscatter Averaging Status Flag has been set for one or more
ENG. CPF LBR CPF 2 9100000719345, 20100007104519 Cott CR CPF LBR CPF 2 9100000719345, 20100007104519 Cott CR CPF LBR CPF 2 9100000719350, 20100007104519 Cott CR CPF LBR CPF 2 9100000719350, 20100007110500 Cott CR CPF LBR CPF 2 9100000711930, 20100007119			
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SOFE, SIR (DNA 2_29) SEGEOTOPIC 2019 SEGEOTOPI			
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E. CPFL_SR_CPML_7_201005007111030_0100020111030_001 SC_CPFL_SR_CPML_7_201005007111030_01000201110300_001 SC_CPFL_SR_CPML_7_201005007111030_01000201110300_001 SC_CPFL_SR_CPML_7_201005007110300_0100020110300_001 SC_CPFL_SR_CPML_7_201005007111030_0100020110300_001 SC_CPFL_SR_CPML_7_201005007110300_0100020110300_001 SC_CPFL_SR_CPML_7_201005007110300_0100020110300_001 SC_CPFL_SR_CPML_7_201005007110300_0100002110300_001 SC_CPFL_SR_CPML_7_201005007110300_01000007110300_001 SC_CPFL_SR_CPML_7_201005007110300_00100007110300_001 SC_CPFL_SR_CPML_7_201050007110300_00100007110300_001 SC_CPFL_SR_CP	CS_OFFL_SIR_IOPM_2_20190502T101501_20190502T104837_C001		more records.
SOFFL.SR. (DPM.2. 201960207110340 201960207110350 20100307110350 2	CS_OFFL_SIR_IOPM_2_20190502T105340_20190502T105613_C001	Ice Backscatter Averaging Status	records.
Backscatter Averaging Status. Sey PFL_SRI (JOPA 2, 29196592T11409 20196592T14055 CO09 Sey FFL_SRI (JOPA 2, 29196592T11409 20196592T14055 CO01 SWH Averaging Status. Cocen Backscatter Averaging Status. SWH Averaging Status. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. SWH Averaging Status. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. SWH Averaging Status. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. SWH Averaging Status. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The SWH and Obean Averaging Status Flags have been set for one or more records. SWH Averaging Status. The S	CS_OFFL_SIR_IOPM_2_20190502T105619_20190502T110030_C001		records.
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GS_OFFL_SR_JONA_2_20199027119392_2019002712930_2019002712930_201902712930_201900271293	CS_OFFL_SIR_IOPM_2_20190502T113140_20190502T113853_C001		
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SOFFL_SRI_OPM_2_20190502713224_20190502712251_C001 SOFFL_SRI_OPM_2_20190502712242_201905027122512_C001 SOFFL_SRI_OPM_2_20190502712253_201905027122512_C001 SOFFL_SRI_OPM_2_20190502712253_201905027122532_C001 SOFFL_SRI_OPM_2_20190502712253_20190502712253_C001 SOFFL_SRI_OPM_2_20190502712253_201905027122534_C001 SOFFL_SRI_OPM_2_201905027124912_201905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C01905027132594_C001 SOFFL_SRI_OPM_2_20190502713253_C0190502713170_C001 SOFFL_SRI_OPM_2_20190502713253_C0190502714071_C001 SOFFL_SRI_OPM_2_20190502713253_C0190502714071_C001 SOFFL_SRI_OPM_2_20190502713253_C0190502714071_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502714402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502714402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502714402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713402_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713403_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713404_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713404_C001 SOFFL_SRI_OPM_2_20190502713404_C0190502713404_C001 SOFFL_	CS_OFFL_SIR_IOPM_2_20190502T115539_20190502T120551_C001		The SWH and Ocean Averaging Status Flags have been set for one or
S. OFFL_SR_IOPM_2_20190502712242_0190502712333_0001 De Backscallar Averaging Status Fing have been set for one or more state for the property of the property	CS OFFL SIR IOPM 2 20190502T121032 20190502T121210 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SO OFFE_SIR_IOPM_2_201905027112950_20190502713510_CO1 CS_OFFE_SIR_IOPM_2_20190502712950_20190502713510_CO1 CS_OFFE_SIR_IOPM_2_20190502713520_20190502713510_CO1 CS_OFFE_SIR_IOPM_2_20190502713520_20190502713595_CO1 CS_OFFE_SIR_IOPM_2_20190502713520_20190502713595_CO1 CS_OFFE_SIR_IOPM_2_20190502713520_20190502713550_CO1 CS_OFFE_SIR_IOPM_2_20190502713500_20190502713550_CO1 CS_OFFE_SIR_IOPM_2_201905027173500_20190502713550_CO1 CS_OFFE_SIR_IOPM_2_2019050		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
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SOFT_SIR_IOPM_2_20190502T140918_20190502T14091	CS_OFFL_SIR_IOPM_2_20190502T134024_20190502T134954_C001	Backscatter Averaging Status	more records.
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Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190502T175629_20190502T181140_C001 SWH Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190502T183519_20190502T190541_C001 CS_OFFL_SIR_IOPM_2_20190502T190719_20190502T191529_C001 CS_OFFL_SIR_IOPM_2_20190502T191842_20190502T195308_C001 CS_OFFL_SIR_IOPM_2_20190502T290502T295308_C001 CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001 CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001 CS_OFFL_SIR_IOPM_2_20190502T200655_20190502T200715_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205088_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205088_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205088_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T205088_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T205088_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean 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			records.
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Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190502T190502T191529_C001 CS_OFFL_SIR_IOPM_2_20190502T191842_20190502T195308_C001 CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T195308_C001 CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001 CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T2050808_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T2050808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T2050808_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T214851_C001 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 loe 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 loe 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 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.	CS_OFFL_SIR_IOPM_2_20190502T175629_20190502T181140_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190502T191842_20190502T195308_C001 CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001 CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001 CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212327_C001 CS_OFFL_SIR_IOPM_2_20190502T21316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T21316_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C0	CS_OFFL_SIR_IOPM_2_20190502T183519_20190502T190541_C001		more records.
CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001 Backscatter Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T21316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T21316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. 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 se	CS_OFFL_SIR_IOPM_2_20190502T190719_20190502T191529_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_20190502T204655_20190502T204443_C001 CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T212327_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T21316_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_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.	CS_OFFL_SIR_IOPM_2_20190502T191842_20190502T195308_C001		
CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001 SWH Averaging Status CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T212327_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 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.	CS_OFFL_SIR_IOPM_2_20190502T200624_20190502T200715_C001	SWH Averaging Status, Ocean	
CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001 CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 SWH Averaging Status SWH Averaging Status The Ice 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 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.	CS_OFFL_SIR_IOPM_2_20190502T203655_20190502T204443_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190502T205808_20190502T212030_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 SWH Averaging Status, Ocean 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 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.	CS_OFFL_SIR_IOPM_2_20190502T204659_20190502T205219_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190502T212316_20190502T213227_C001 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.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190502T214450_20190502T214851_C001 SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS. OFFL. SIR. IOPM 2, 20190502T220438, 20190502T220923, C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
packagattal Averaging Status (more records.	C3_OFFL_5IK_IOPM_2_201905021220438_201905021220923_C001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20190502T221110_20190502T222351_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_20190502T223721_20190502T224317_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_20190502T224326_20190502T231017_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_20190502T232741_20190502T233442_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_20190502T233504_20190502T235857_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_20190502T015430_20190502T015630_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_20190502T050454_20190502T050511_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_20190502T055333_20190502T055513_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190502T204533_20190502T204659_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190502T010756_20190502T010808_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_20190502T100131_20190502T100344_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_20190502T155848_20190502T155957_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_20190502T191644_20190502T191842_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: 59

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors: 0

6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190502T010044_20190502T015024_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220190502T050851_20190502T055825_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190502T001110_20190502T010044_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_220190502T010044_20190502T015024_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_220190502T015024_20190502T023958_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_220190502T023958_20190502T032938_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T032938_20190502T041912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T041912_20190502T050851_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_220190502T050851_20190502T055825_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T055825_20190502T064805_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_20190502T064805_20190502T073739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220190502T073739_20190502T082718_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_220190502T082718_20190502T091652_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T091652_20190502T100632_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_220190502T100632_20190502T105606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T105606_20190502T114545_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_220190502T114545_20190502T123519_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_220190502T123519_20190502T132459_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_220190502T132459_20190502T141433_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_220190502T141433_20190502T150413_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T150413_20190502T155347_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_220190502T155347_20190502T164326_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_220190502T164326_20190502T173300_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_220190502T173300_20190502T182240_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_220190502T182240_20190502T191214_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_220190502T191214_20190502T200153_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T200153_20190502T205127_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_220190502T205127_20190502T214107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T214107_20190502T223041_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_220190502T223041_20190502T232020_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T232020_20190503T000954_C002	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190502T001110_20190502T010044_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_220190502T010044_20190502T015024_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_220190502T015024_20190502T023958_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_220190502T023958_20190502T032938_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T032938_20190502T041912_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_20190502T041912_20190502T050851_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_220190502T050851_20190502T055825_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_20190502T055825_20190502T064805_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_220190502T064805_20190502T073739_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T073739_20190502T082718_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_20190502T082718_20190502T091652_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_220190502T091652_20190502T100632_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_220190502T100632_20190502T105606_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_20190502T105606_20190502T114545_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_220190502T114545_20190502T123519_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_20190502T123519_20190502T132459_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.

	a.	
CS_OFFL_SIR_IOP_2_20190502T132459_20190502T141433_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_20190502T141433_20190502T150413_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T150413_20190502T155347_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_20190502T155347_20190502T164326_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_20190502T164326_20190502T173300_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_20190502T173300_20190502T182240_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_20190502T182240_20190502T191214_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_20190502T191214_20190502T200153_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_20190502T200153_20190502T205127_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_20190502T205127_20190502T214107_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T214107_20190502T223041_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_20190502T223041_20190502T232020_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T232020_20190503T000954_C002	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190502T001110_20190502T010044_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T010044_20190502T015024_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T015024_20190502T023958_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T023958_20190502T032938_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T032938_20190502T041912_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T041912_20190502T050851_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T050851_20190502T055825_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T055825_20190502T064805_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T064805_20190502T073739_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T073739_20190502T082718_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T082718_20190502T091652_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T091652_20190502T100632_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T100632_20190502T105606_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T105606_20190502T114545_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T114545_20190502T123519_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T123519_20190502T132459_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T132459_20190502T141433_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T141433_20190502T150413_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T155347_20190502T164326_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T164326_20190502T173300_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T173300_20190502T182240_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T182240_20190502T191214_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T191214_20190502T200153_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T200153_20190502T205127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190502T205127_20190502T214107_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190502T214107_20190502T223041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2__20190502T223041_20190502T232020_C001

Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2__20190502T232020_20190503T000954_C002

Ocean Retracking Quality Flag

The Ocean Retracking Quality Flag has been set for one or more records.