

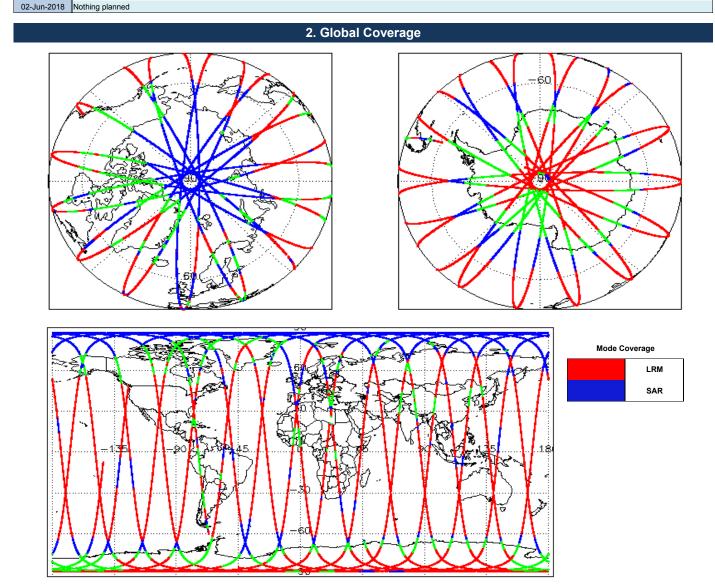
Report Proc Processor Data Us

IDEAS+ Daily Report for IOP data:

<u>01/06/2018</u>

SAI				¥ - /
		1. Overview		
	24 4 2242	Check	L1 & L2	P2P
oduction:	04-Jun-2018	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
or Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
n Useu.	CryoSal Ocean Processor	Product Software Check	Nominal	Nominal
lsed:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
iseu.	L1B, L2 & P2P Science Data	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 31-May-2018 None 01-Jun-2018 None



3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

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:

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.
Number of products with errors:
0

Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct		
Number of products with errors: 0		the valuery of Auxiliary Data Files is COTECT.		
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicates a	any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	nent record. The bit value of this flag	indicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for IOPR produ	icts due to a configuration issue. This	is being investigated and will be updated in the next SW update.		
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20180601T171854_20180601T173106_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
	-	ny problems when set.		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22	-			
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22	-	Description		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product	to be expected.			
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product CS_OFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001	to be expected.	Description		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product 22 CS_OFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001	to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product 22 CS_OFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 20180601T005703_20180601T005839_C001 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001 20180601T005839_C001 CS_OFFL_SIR_IOPN1B_20180601T060600_20180601T060817_C001 20180601T060817_C001	to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
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Ausses of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 22 Product 22 ScoFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 25 ScoFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001 25 ScoFFL_SIR_IOPN1B_20180601T005703_20180601T0060817_C001 25 ScoFFL_SIR_IOPN1B_20180601T074144_20180601T074656_C001 25 ScoFFL_SIR_IOPN1B_20180601T102120_20180601T102239_C001 25 ScoFFL_SIR_IOPN1B_20180601T105701_20180601T110211_C001 25 ScoFFL_SIR_IOPN1B_20180601T130212_0180601T110215_C001 25 ScoFFL_SIR_IOPN1B_20180601T175125_20180601T175245_C001 25 ScoFFL_SIR_IOPN1B_20180601T182636_20180601T183208_C001 25 ScoFFL_SIR_IOPN1B_20180601T192535_20180601T192744_C001 25 ScoFFL_SIR_IOPN1B_20180601T005621_20180601T005703_C001 26	to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product 22 Sc. OFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 23 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001 25 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001 25 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T0050817_C001 25 CS_OFFL_SIR_IOPN1B_20180601T02120_20180601T102239_C001 25 CS_OFFL_SIR_IOPN1B_20180601T105701_20180601T110211_C001 25 CS_OFFL_SIR_IOPN1B_20180601T130021_20180601T130215_C001 25 CS_OFFL_SIR_IOPN1B_20180601T130021_20180601T175245_C001 25 CS_OFFL_SIR_IOPN1B_20180601T182636_20180601T183208_C001 25 CS_OFFL_SIR_IOPN1B_20180601T102555_20180601T192744_C001 25 CS_OFFL_SIR_IOPN1B_20180601T005621_20180601T005703_C001 25 CS_OFFL_SIR_IOPR1B_20180601T005621_20180601T0105703_C001 25	to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product 22 Product 23 ScoperL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 25 CS_OFFL_SIR_IOPN1B_20180601T005703_20180601T005839_C001 25 CS_OFFL_SIR_IOPN1B_20180601T060600_20180601T0060817_C001 25 CS_OFFL_SIR_IOPN1B_20180601T074144_20180601T074656_C001 25 CS_OFFL_SIR_IOPN1B_20180601T102120_20180601T102239_C001 25 CS_OFFL_SIR_IOPN1B_20180601T105701_20180601T110211_C001 25 CS_OFFL_SIR_IOPN1B_20180601T17501_20180601T130215_C001 25 CS_OFFL_SIR_IOPN1B_20180601T175125_20180601T175245_C001 25 CS_OFFL_SIR_IOPN1B_20180601T182636_20180601T183208_C001 25 CS_OFFL_SIR_IOPN1B_20180601T192535_20180601T192744_C001 25 CS_OFFL_SIR_IOPN1B_20180601T005621_20180601T005703_C001 25 CS_OFFL_SIR_IOPR1B_20180601T00829_20180601T0171716_C001 25 CS_OFFL_SIR_IOPR1B_20180601T004603_C001 26	to be expected.	Description The tracking echo is missing for one or more records The tracking echo		
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 22 Product 22 CS_OFFL_SIR_IOPM1B_20180601T131125_20180601T132038_C001 CS_OFFL_SIR_IOPM1B_20180601T005703_20180601T005839_C001 CS_OFFL_SIR_IOPN1B_20180601T00500_20180601T0060817_C001 CS_OFFL_SIR_IOPN1B_20180601T074144_20180601T074656_C001 CS_OFFL_SIR_IOPN1B_20180601T074144_20180601T102239_C001 CS_OFFL_SIR_IOPN1B_20180601T10212_02180601T102239_C001 CS_OFFL_SIR_IOPN1B_20180601T105701_20180601T110211_C001 CS_OFFL_SIR_IOPN1B_20180601T130212_0180601T130215_C001 CS_OFFL_SIR_IOPN1B_20180601T13021_20180601T175245_C001 CS_OFFL_SIR_IOPN1B_20180601T175125_20180601T175245_C001 CS_OFFL_SIR_IOPN1B_20180601T182636_20180601T175245_C001 CS_OFFL_SIR_IOPN1B_20180601T192535_20180601T02744_C001 CS_OFFL_SIR_IOPN1B_20180601T0105621_20180601T005703_C001 CS_OFFL_SIR_IOPR1B_20180601T0024017024603_C001 CS_OFFL_SIR_IOPR1B_20180601T024141_20180601T0124603_C001 CS_OFFL_SIR_IOPR1B_20180601T024141_20180601T024603_C001	to be expected.	Description The tracking echo is missing for one or more records The tracking echo		
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	Description The tracking echo is missing for one or more records The tracking echo		

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.

5.1 L2 Product Format Check

Number of products with errors:

Number of products with errors: 0

CS OFFL SIR IOPR1B 20180601T111259 20180601T111427 C001

CS_OFFL_SIR_IOPR1B_20180601T130216_20180601T130248_C001

CS_OFFL_SIR_IOPR1B_20180601T160122_20180601T160603_C001

CS OFFL SIR IOPR1B 20180601T192200 20180601T192534 C001

CS_OFFL_SIR_IOPR1B_20180601T205725_20180601T210447_C001

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.

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).

Loss of Echo

5. IOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

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: 0

1

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180601T171854_20180601T173106_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. 74

Number of products with errors: 74		
	Test Failed	Description The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180531T234238_20180601T001522_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T002207_20180601T002739_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T002958_20180601T003525_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180601T010634_20180601T010828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T012142_20180601T015500_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T020922_20180601T022803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T025947_20180601T033319_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T034127_20180601T034523_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T034938_20180601T041623_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T041641_20180601T042343_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T044005_20180601T045049_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T045530_20180601T045656_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T045714_20180601T051254_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T051450_20180601T052007_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180601T053048_20180601T054344_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T054558_20180601T055849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T060043_20180601T060239_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T062523_20180601T063549_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T063729_20180601T065139_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T065416_20180601T065918_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T065943_20180601T070057_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T071624_20180601T071944_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T081232_20180601T083021_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T083426_20180601T083835_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
		records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T083856_20180601T084048_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T084512_20180601T091122_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T094528_20180601T101023_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180601T101224_20180601T101749_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T101755_20180601T102120_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T102450_20180601T103548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T104125_20180601T105700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T112024_20180601T114214_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T114412_20180601T114954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T115222_20180601T120027_C001	Ice Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T120404_20180601T123749_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T125111_20180601T125206_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T132110_20180601T132850_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T133158_20180601T133715_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T134354_20180601T140525_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180601T140811_20180601T141728_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180601T142922_20180601T143348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T144928_20180601T145421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T145609_20180601T150715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180601T151318_20180601T151615_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T152312_20180601T155614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T161132_20180601T161147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T161235_20180601T161927_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T161941_20180601T164353_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T165328_20180601T165521_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T165749_20180601T170008_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T170222_20180601T171850_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T171854_20180601T173106_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T175250_20180601T180828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T181700_20180601T182636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T183503_20180601T183927_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T184156_20180601T185611_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T185751_20180601T190347_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T193807_20180601T194155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T194318_20180601T200654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T200952_20180601T201841_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T202112_20180601T204308_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T212028_20180601T214543_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T214919_20180601T215100_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T215206_20180601T215631_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T220036_20180601T222446_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T225347_20180601T230823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T231359_20180601T232455_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T233120_20180601T233709_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180601T182636_20180601T183208_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180601T111016_20180601T111135_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180601T120139_20180601T120403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180601T191934_20180601T192038_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. 68

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180531T234238_20180601T001522_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_20180601T002207_20180601T002739_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T002958_20180601T003525_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_20180601T010634_20180601T010828_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_20180601T012142_20180601T015500_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_20180601T020110_20180601T020622_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T020922_20180601T022803_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_20180601T025947_20180601T033319_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_20180601T034127_20180601T034523_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T034938_20180601T041623_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_20180601T041641_20180601T042343_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_20180601T042512_20180601T042754_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180601T044005_20180601T045049_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_20180601T045530_20180601T045656_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_20180601T045714_20180601T051254_C001 CS_OFFL_SIR_IOPM_2_20180601T051450_20180601T052007_C001 CS_OFFL_SIR_IOPM_2_20180601T053048_20180601T054344_C001 CS_OFFL_SIR_IOPM_2_20180601T054558_20180601T055849_C001 CS OFFL SIR IOPM 2 20180601T062523 20180601T063549 C001 CS_OFFL_SIR_IOPM_2_20180601T063729_20180601T065139_C001 CS OFFL SIR IOPM 2 20180601T065416 20180601T065918 C001 CS OFFL SIR IOPM 2 20180601T065943 20180601T070057 C001 CS_OFFL_SIR_IOPM_2_20180601T071624_20180601T071944_C001 CS_OFFL_SIR_IOPM_2_20180601T080622_20180601T081202_C001 CS OFFL SIR IOPM 2 20180601T081232 20180601T083021 C001 CS_OFFL_SIR_IOPM_2_20180601T083426_20180601T083835_C001 CS OFFL SIR IOPM 2 20180601T084512 20180601T091122 C001 CS_OFFL_SIR_IOPM_2_20180601T094528_20180601T101023_C001 CS_OFFL_SIR_IOPM_2_20180601T101224_20180601T101749_C001 CS OFFL SIR IOPM 2 20180601T101755 20180601T102120 C001 CS_OFFL_SIR_IOPM_2_20180601T102450_20180601T103548_C001 CS_OFFL_SIR_IOPM_2_20180601T104125_20180601T105700_C001 CS OFFL SIR IOPM 2 20180601T112024 20180601T114214 C001 CS_OFFL_SIR_IOPM_2_20180601T115222_20180601T120027_C001 CS_OFFL_SIR_IOPM_2_20180601T120404_20180601T123749_C001 CS OFFL SIR IOPM 2 20180601T132110 20180601T132850 C001 CS_OFFL_SIR_IOPM_2_20180601T133158_20180601T133715_C001 CS OFFL SIR IOPM 2 20180601T134354 20180601T140525 C001 CS OFFL SIR IOPM 2 20180601T140811 20180601T141728 C001 CS OFFL SIR IOPM 2 20180601T142922 20180601T143348 C001 CS_OFFL_SIR_IOPM_2_20180601T144928_20180601T145421_C001 CS_OFFL_SIR_IOPM_2_20180601T145609_20180601T150715_C001 CS_OFFL_SIR_IOPM_2_20180601T151318_20180601T151615_C001 CS OFFL SIR IOPM 2 20180601T152312 20180601T155614 C001 CS_OFFL_SIR_IOPM_2_20180601T161132_20180601T161147_C001 CS_OFFL_SIR_IOPM_2_20180601T161235_20180601T161927_C001 CS OFFL SIR IOPM 2 20180601T161941 20180601T164353 C001 CS_OFFL_SIR_IOPM_2_20180601T165328_20180601T165521_C001 CS_OFFL_SIR_IOPM_2_20180601T165749_20180601T170008_C001 CS OFFL SIR IOPM 2 20180601T170222 20180601T171850 C001 CS_OFFL_SIR_IOPM_2_20180601T171854_20180601T173106_C001 CS_OFFL_SIR_IOPM_2_20180601T175250_20180601T180828_C001 CS OFFL SIR IOPM 2 20180601T181700 20180601T182636 C001 CS OFFL SIR IOPM 2 20180601T183503 20180601T183927 C001 CS_OFFL_SIR_IOPM_2_20180601T184156_20180601T185611_C001 CS_OFFL_SIR_IOPM_2_20180601T185751_20180601T190347_C001 CS_OFFL_SIR_IOPM_2_20180601T194318_20180601T200654_C001 CS OFFL SIR IOPM 2 20180601T200952 20180601T201841 C001 CS_OFFL_SIR_IOPM_2_20180601T202112_20180601T204308_C001 CS_OFFL_SIR_IOPM_2_20180601T212028_20180601T214543_C001 CS OFFL SIR IOPM 2 20180601T215206 20180601T215631 C001 CS_OFFL_SIR_IOPM_2_20180601T220036_20180601T222446_C001 CS_OFFL_SIR_IOPM_2_20180601T225347_20180601T230823_C001 CS OFFL SIR IOPM 2 20180601T231359 20180601T232455 C001 CS_OFFL_SIR_IOPM_2_20180601T233120_20180601T233709_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

SWH Averaging Status, Ocean

Ice Backscatter Averaging Status

Backscatter Averaging Status

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

CS_OFFL_SIR_IOPR_2_20180601T111016_20180601T111135_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_20180601T120139_20180601T120403_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_20180601T191934_20180601T192038_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 measure	ment record. The bit value of this flag ind	icates any problems when set.
Ocean Retracking Quality Flag: This flag is currently set for products over land a	and sea ice, but this is to be expected. The	e number of products with this error flag set is given below.
Number of products with errors: 57		
6. IOP L2 I	Pole-to-Pole Data Qualit	y Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	rre it consists of both an XML header file	.HDR) and a NetCDF product file (.nc).
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and SF Number of products with errors: 0	PH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.
6.3 P2P Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-denomination of products with errors: 0	termined baseline and also to check the	alidity of Auxiliary Data Files is correct.
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are check	ed for the default error value (32767).	
Number of products with errors: 0		
6.5 P2P Measurement Confidence Data Check		
CryoSat P2P data includes a measurement confidence flag for each 20-Hz measu	rement record. The bit value of this flag in	idicates any problems when set.
Number of products with errors: 1		
Product CS OFFL SIR IOP 2 20180601T165459 20180601T174438 C001	Test Failed	Description
CS_OFFL_SIR_IOP_2201806011165459_201806011174438_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		
6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear	ch measurement record. The bit value of I	his flag indicates any problems when set.
CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear Currently, there are two common status flags raised in the P2P products wh		
CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear Currently, there are two common status flags raised in the P2P products wh highlighting any additional issues which may arise from this test.	ich are expected due to surface type. A	Il common flags are summarised in the list below, followed by a table
CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear Currently, there are two common status flags raised in the P2P products wh highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over	ich are expected due to surface type. A land and sea ice, but this is to be expected	Il common flags are summarised in the list below, followed by a table
CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for eac Currently, there are two common status flags raised in the P2P products wh highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over Ice Range Averaging Status Flag: This flag is currently set for products over lan	ich are expected due to surface type. A land and sea ice, but this is to be expected	Il common flags are summarised in the list below, followed by a table
CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear Currently, there are two common status flags raised in the P2P products wh highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over Ice Range Averaging Status Flag: This flag is currently set for products over Ian Number of products with errors: 29	ich are expected due to surface type. A land and sea ice, but this is to be expected, but this is to be expected.	Il common flags are summarised in the list below, followed by a table
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CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for ear Currently, there are two common status flags raised in the P2P products wh highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over Ice Range Averaging Status Flag: This flag is currently set for products over Ian Number of products with errors: 29	ich are expected due to surface type. A land and sea ice, but this is to be expected, but this is to be expected.	Il common flags are summarised in the list below, followed by a table ed. Description
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Ocean Range Averaging Status

The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2__20180601T151546_20180601T160524_C001

CS_OFFL_SIR_IOP_220180601T160524_20180601T165459_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_220180601T165459_20180601T174438_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_220180601T174438_20180601T183413_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_220180601T183413_20180601T192351_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_220180601T192351_20180601T201327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T201327_20180601T210305_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_220180601T210305_20180601T215240_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_220180601T215240_20180601T224219_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_220180601T224219_20180601T233154_C001	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. 29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180531T233309_20180601T002244_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_220180601T002244_20180601T011222_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_220180601T011222_20180601T020157_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_220180601T020157_20180601T025136_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_220180601T025136_20180601T034111_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_220180601T034111_20180601T043049_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_220180601T043049_20180601T052024_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_220180601T052024_20180601T061003_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_220180601T061003_20180601T065938_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_220180601T065938_20180601T074916_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_220180601T074916_20180601T083852_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_220180601T083852_20180601T092830_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_220180601T092830_20180601T101805_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_220180601T101805_20180601T110744_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_220180601T110744_20180601T115719_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_220180601T115719_20180601T124657_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_220180601T124657_20180601T133632_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_220180601T133632_20180601T142611_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_220180601T142611_20180601T151546_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_220180601T151546_20180601T160524_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_220180601T160524_20180601T165459_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_220180601T165459_20180601T174438_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_220180601T174438_20180601T183413_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_220180601T183413_20180601T192351_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_220180601T192351_20180601T201327_C001	Backscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180601T201327_20180601T210305_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_220180601T210305_20180601T215240_C001	Backscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180601T215240_20180601T224219_C001	Backscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
	00	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.

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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.

CS_OFFL_SIR_IOP_2_20180531T233309_20180601T002244_C001 Ocean Retrackir CS_OFFL_SIR_IOP_2_20180601T002244_20180601T011222_C001 Ocean Retrackir CS_OFFL_SIR_IOP_2_20180601T011222_20180601T020157_C001 Ocean Retrackir CS_OFFL_SIR_IOP_2_20180601T020157_20180601T020157_C001 Ocean Retrackir CS_OFFL_SIR_IOP_2_20180601T020157_20180601T025136_C001 Ocean Retrackir	ig Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. ig Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T011222_20180601T020157_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T020157_20180601T025136_C001 Ocean Retrackir	a Quality Flag
	g quality hag
CS_OFFL_SIR_IOP_220180601T025136_20180601T034111_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T034111_20180601T043049_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T043049_20180601T052024_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T052024_20180601T061003_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T061003_20180601T065938_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T065938_20180601T074916_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T074916_20180601T083852_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T083852_20180601T092830_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T092830_20180601T101805_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T110744_20180601T115719_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T115719_20180601T124657_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T124657_20180601T133632_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T151546_20180601T160524_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T160524_20180601T165459_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T165459_20180601T174438_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T174438_20180601T183413_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T183413_20180601T192351_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T192351_20180601T201327_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T201327_20180601T210305_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T210305_20180601T215240_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180601T215240_20180601T224219_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180601T224219_20180601T233154_C001 Ocean Retrackin	g Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.