

Report Production:

Processor Used:

Data Used:

IDEAS+ Daily Report for IOP data:

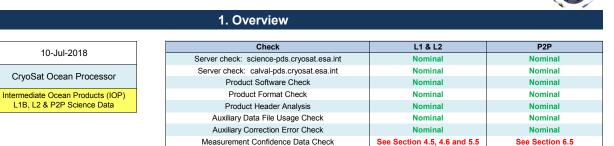
08/07/2018

See Section 5.6, 5.7

See Section 5.8

See Section 6.6, 6.7

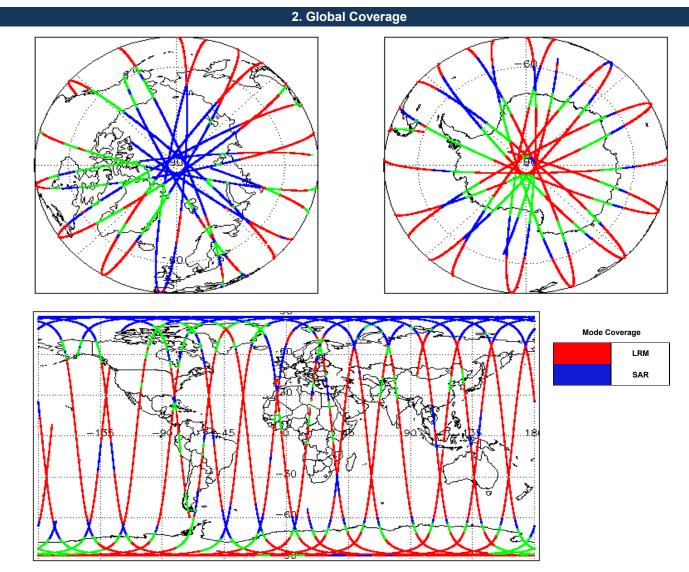
See Section 6.8



Mission / Instrument News		
07-Jul-2018	None	
08-Jul-2018	None	
09-Jul-2018	SIRAL unavailability on 09-Jul-2018 from 02:54:30 to 04:42:04 due to a planned orbit manoeuvre.	

Range, SWH & Backscatter Measurement Check

Ocean Retracking Quality Check



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

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: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record	I. The bit value of this flag indicate	s any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check			ł	
CryoSat L1B data includes a measurement confidence flag for each measurem				
Attitude Correction Missing: This flag is currently set in error for IOPR produc	cts due to a configuration issue. Th	is is being investigated and will be updated in the next SW update.		
Number of products with errors: 1				
Product	Test Failed	Description There is an error in the scaling of the L1P waveform for one	or more	
CS_OFFL_SIR_IOPM1B_20180708T173031_20180708T173321_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one records	or more	
4.6 L1B Waveform Group Data Check				
	The bit color of this flow is dischar			
CryoSat L1B data includes a waveform data flag for each measurement record	-	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: 12				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20180708T113828_20180708T115318_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T011247_20180708T011525_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T024917_20180708T025021_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T053431_20180708T053828_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T143243_20180708T143635_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T161451_20180708T161734_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T164935_20180708T164953_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T175056_20180708T175312_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T202153_20180708T202434_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20180708T225357_20180708T225525_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20180708T042438_20180708T042704_C001 CS_OFFL_SIR_IOPR1B_20180708T124519_20180708T125233_C001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
		······································		
5. IO	P Level 2 Data Qua	lity Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to e	nsure it consists of both an XML h	eader 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 incon	sistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0		·····		
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are che	cked for the default error value (32	2767).		
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 meas	surement record. The bit value of the	is flag indicates any problems when set.		
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM_2_20180708T173031_20180708T173321_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one o	r more records	
5.6 L2 Range Measurement Check				
CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for ea	ach measurement record. The bit v	alue 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 of	ver land and sea ice, but this is to	be expected.		
cean reary a very status ring. This field is containing so that the products over hand and sea loo, but this to be expected.				

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 77

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180707T235808_20180708T001950_C001	Ocean Rande Averading Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180708T002728_20180708T003137_C001 CS OFFL SIR IOPM 2 20180708T003547 20180708T005325 C001 CS_OFFL_SIR_IOPM_2_20180708T012307_20180708T015828_C001 CS_OFFL_SIR_IOPM_2_20180708T020145_20180708T020632_C001 CS_OFFL_SIR_IOPM_2_20180708T020652_20180708T021028_C001 CS_OFFL_SIR_IOPM_2_20180708T021734_20180708T024851_C001 CS OFFL SIR IOPM 2 20180708T030137 20180708T031612 C001 CS OFFL SIR IOPM 2 20180708T032155 20180708T033806 C001 CS_OFFL_SIR_IOPM_2_20180708T034015_20180708T034530_C001 CS_OFFL_SIR_IOPM_2_20180708T035541_20180708T040913_C001 CS OFFL SIR IOPM 2 20180708T041127 20180708T042437 C001 CS_OFFL_SIR_IOPM_2_20180708T042704_20180708T042740_C001 CS OFFL SIR IOPM 2 20180708T045052 20180708T045855 C001 CS_OFFL_SIR_IOPM_2_20180708T045944_20180708T050113_C001 CS_OFFL_SIR_IOPM_2_20180708T050252_20180708T051700_C001 CS OFFL SIR IOPM 2 20180708T051940 20180708T052441 C001 CS_OFFL_SIR_IOPM_2_20180708T053316_20180708T053431_C001 CS_OFFL_SIR_IOPM_2_20180708T053828_20180708T054603_C001 CS_OFFL_SIR_IOPM_2_20180708T055016_20180708T055505_C001 CS_OFFL_SIR_IOPM_2_20180708T055749_20180708T060336_C001 CS_OFFL_SIR_IOPM_2_20180708T081046_20180708T083517_C001 CS OFFL SIR IOPM 2 20180708T083753 20180708T084311 C001 CS_OFFL_SIR_IOPM_2_20180708T084318_20180708T084644_C001 CS OFFL SIR IOPM 2 20180708T085027 20180708T090114 C001 CS OFFL SIR IOPM 2 20180708T090653 20180708T092316 C001 CS OFFL SIR IOPM 2 20180708T094401 20180708T095610 C001 CS_OFFL_SIR_IOPM_2_20180708T095614_20180708T100545_C001 CS_OFFL_SIR_IOPM_2_20180708T100943_20180708T101433_C001 CS_OFFL_SIR_IOPM_2_20180708T103019_20180708T110309_C001 CS OFFL SIR IOPM 2 20180708T111622 20180708T111725 C001 CS_OFFL_SIR_IOPM_2_20180708T113828_20180708T115318_C001 CS_OFFL_SIR_IOPM_2_20180708T115724_20180708T120238_C001 CS_OFFL_SIR_IOPM_2_20180708T120919_20180708T123053_C001 CS_OFFL_SIR_IOPM_2_20180708T123338_20180708T124408_C001 CS_OFFL_SIR_IOPM_2_20180708T125442_20180708T125732_C001 CS OFFL SIR IOPM 2 20180708T131336 20180708T131944 C001 CS_OFFL_SIR_IOPM_2_20180708T132131_20180708T133202_C001 CS OFFL SIR IOPM 2 20180708T133908 20180708T134139 C001 CS OFFL SIR IOPM 2 20180708T134900 20180708T142515 C001 CS_OFFL_SIR_IOPM_2_20180708T143719_20180708T150919_C001 CS_OFFL_SIR_IOPM_2_20180708T152244_20180708T152551_C001 CS OFFL SIR IOPM 2 20180708T152807 20180708T154314 C001 CS_OFFL_SIR_IOPM_2_20180708T154517_20180708T155546_C001 CS_OFFL_SIR_IOPM_2_20180708T161245_20180708T161451_C001 CS_OFFL_SIR_IOPM_2_20180708T161734_20180708T163352_C001 CS_OFFL_SIR_IOPM_2_20180708T165017_20180708T165114_C001 CS OFFL SIR IOPM 2 20180708T165722 20180708T170006 C001 CS_OFFL_SIR_IOPM_2_20180708T170022_20180708T170451_C001 CS_OFFL_SIR_IOPM_2_20180708T170738_20180708T172140_C001 CS OFFL SIR IOPM 2 20180708T172320 20180708T172603 C001 CS_OFFL_SIR_IOPM_2_20180708T180019_20180708T180558_C001

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

CS_OFFL_SIR_IOPM_2_20180708T180842_20180708T183203_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T183518_20180708T184358_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T184711_20180708T191125_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T194402_20180708T201059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T202610_20180708T205135_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T211835_20180708T213346_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T213919_20180708T214935_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T215645_20180708T220232_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T220510_20180708T221016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T221420_20180708T222101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T224139_20180708T224241_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T233550_20180708T234103_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T234442_20180708T234551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180708T093757_20180708T093805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180708T134139_20180708T134652_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180708T142637_20180708T142654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180708T151616_20180708T151851_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180708T180719_20180708T180841_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T021154_20180708T021734_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T051701_20180708T051752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T052441_20180708T052448_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T102701_20180708T103018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T134653_20180708T134900_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T150919_20180708T151616_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T214936_20180708T215255_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. 77

CS_OFFL_SIR_IOPM_2_20180707T235808_20180708T001950_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T002728_20180708T003137_C001Ice Backscatter Averaging StatusThe lee Backscatter Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T003547_20180708T005325_C001SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean More records.The SWH and Ocean Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T012307_20180708T02632_C001Ice Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T020652_20180708T021028_C001Ice Backscatter Averaging StatusThe lee Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T021025_20180708T021028_C001Ice Backscatter Averaging StatusThe lee Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T021734_20180708T024851_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T025057_20180708T025323_C001Ice Backscatter Averaging StatusThe lee Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T03137_20180708T031612_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe lee Backscatter Av
CS_OFFL_SIR_IOPM_2_201807081002728_201807081003137_C001Ice Backscatter Averaging Statusrecords.CS_OFFL_SIR_IOPM_2_20180708T003547_20180708T005325_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T012307_20180708T015828_C001Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T020145_20180708T020632_C001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T020652_20180708T020632_C001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T020652_20180708T024851_C001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T025057_20180708T025323_C001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T03137_20180708T025323_C001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T03137_20180708T031612_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20180708T032155_20180708T033806_C001SWH Averaging Status, Ocean Backscatter Averaging StatusThe SWH and Ocean Averaging Status Flags have been set for o
CS_OFFL_SIR_IOPM_2_201807081003347_201807081005325_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_201807081012307_201807081015828_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_201807081020145_201807081020632_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081020652_201807081021028_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081021024_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081021734_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081030137_201807081031612_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_201807081032155_201807081033806_C001 SWH Averaging Status, Ocean Backscatter Averaging Stat
CS_OFFL_SIR_IOPM_2_201807081012307_201807081015828_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_20180708T020145_20180708T020632_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T020652_20180708T021028_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T021734_20180708T024851_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T025057_20180708T025323_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T025057_20180708T025323_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T031037_20180708T031612_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Such Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20180708T032155_20180708T033806_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_20180708T032155_20180708T033806_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Ave
CS_OFFL_SIR_IOPM_2_201807081020145_201807081020632_C001 Ice Backscatter Averaging Status records. CS_OFFL_SIR_IOPM_2_201807081020652_201807081021028_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081021734_201807081024851_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081031037_201807081025323_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081031037_201807081031612_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_201807081032155_201807081033806_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_201807081020052_201807081021028_C001 Itele Backscatter Averaging Status records. CS_OFFL_SIR_IOPM_2_201807081021032_201807081023032_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_201807081030137_201807081031612_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081032155_201807081033806_C001 SWH Averaging Status more records. CS_OFFL_SIR_IOPM_2_201807081032155_201807081033806_C001 SWH Averaging Status more records.
CS_OFFL_SIR_IOPM_2_201807081021734_201807081024851_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081030137_201807081031612_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201807081032155_201807081033806_C001 SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_201807081025057_201807081025323_C001 Ice Backscatter Averaging Status records. CS_OFFL_SIR_IOPM_2_20180708T030137_20180708T031612_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_20180708T032155_20180708T033806_C001 SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T032155_20180708T033806_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_20180708T032155_20180708T033806_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_Z_20180/081032155_20180/081033806_C001 Backscatter Averaging Status more records.
CS_OFFL_SIR_IOPM_2_20180708T034015_20180708T034530_C001 Ice Backscatter Averaging Status Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T035541_20180708T040913_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are records.
CS_OFFL_SIR_IOPM_2_20180708T041127_20180708T042437_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are records.
CS_OFFL_SIR_IOPM_2_20180708T045052_20180708T045855_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are records.
CS_OFFL_SIR_IOPM_2_20180708T050252_20180708T051700_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are records.
CS_OFFL_SIR_IOPM_2_20180708T051940_20180708T052441_C001 Ice Backscatter Averaging Status Lice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180708T053316_20180708T053431_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are records.
CS_OFFL_SIR_IOPM_2_20180708T053828_20180708T054603_C001 SWH Averaging Status, Ocean Backscatter Averaging Status are been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180708T055016_20180708T055505_C001 CS OFFL SIR IOPM 2 20180708T055749 20180708T060336 C001 CS_OFFL_SIR_IOPM_2_20180708T081046_20180708T083517_C001 CS_OFFL_SIR_IOPM_2_20180708T083753_20180708T084311_C001 CS OFFL SIR IOPM 2 20180708T084318 20180708T084644 C001 CS_OFFL_SIR_IOPM_2_20180708T085027_20180708T090114_C001 CS OFFL SIR IOPM 2 20180708T090653 20180708T092316 C001 CS OFFL SIR IOPM 2 20180708T094401 20180708T095610 C001 CS_OFFL_SIR_IOPM_2_20180708T095614_20180708T100545_C001 CS_OFFL_SIR_IOPM_2_20180708T100943_20180708T101433_C001 CS OFFL SIR IOPM 2 20180708T101753 20180708T102548 C001 CS_OFFL_SIR_IOPM_2_20180708T103019_20180708T110309_C001 CS OFFL SIR IOPM 2 20180708T111622 20180708T111725 C001 CS_OFFL_SIR_IOPM_2_20180708T113828_20180708T115318_C001 CS_OFFL_SIR_IOPM_2_20180708T115724_20180708T120238_C001 CS OFFL SIR IOPM 2 20180708T120919 20180708T123053 C001 CS OFFL SIR IOPM 2 20180708T123338 20180708T124408 C001 CS_OFFL_SIR_IOPM_2_20180708T125442_20180708T125732_C001 CS OFFL SIR IOPM 2 20180708T131336 20180708T131944 C001 CS_OFFL_SIR_IOPM_2_20180708T132131_20180708T133202_C001 CS_OFFL_SIR_IOPM_2_20180708T133908_20180708T134139_C001 CS OFFL SIR IOPM 2 20180708T134900 20180708T142515 C001 CS_OFFL_SIR_IOPM_2_20180708T143719_20180708T150919_C001 CS OFFL SIR IOPM 2 20180708T152244 20180708T152551 C001 CS OFFL SIR IOPM 2 20180708T152807 20180708T154314 C001 CS OFFL SIR IOPM 2 20180708T154517 20180708T155546 C001 CS_OFFL_SIR_IOPM_2_20180708T161245_20180708T161451_C001 CS_OFFL_SIR_IOPM_2_20180708T161734_20180708T163352_C001 CS_OFFL_SIR_IOPM_2_20180708T165017_20180708T165114_C001 CS OFFL SIR IOPM 2 20180708T165722 20180708T170006 C001 CS_OFFL_SIR_IOPM_2_20180708T170022_20180708T170451_C001 CS_OFFL_SIR_IOPM_2_20180708T170738_20180708T172140_C001 CS OFFL SIR IOPM 2 20180708T172320 20180708T172603 C001 CS_OFFL_SIR_IOPM_2_20180708T180019_20180708T180558_C001 CS_OFFL_SIR_IOPM_2_20180708T180842_20180708T183203_C001 CS OFFL SIR IOPM 2 20180708T183518 20180708T184358 C001 CS_OFFL_SIR_IOPM_2_20180708T184711_20180708T191125_C001 CS_OFFL_SIR_IOPM_2_20180708T194402_20180708T201059_C001 CS OFFL SIR IOPM 2 20180708T202610 20180708T205135 C001 CS_OFFL_SIR_IOPM_2_20180708T211835_20180708T213346_C001 CS_OFFL_SIR_IOPM_2_20180708T213919_20180708T214935_C001 CS_OFFL_SIR_IOPM_2_20180708T215645_20180708T220232_C001 CS_OFFL_SIR_IOPM_2_20180708T220510_20180708T221016_C001 CS_OFFL_SIR_IOPM_2_20180708T221420_20180708T222101_C001 CS_OFFL_SIR_IOPM_2_20180708T224139_20180708T224241_C001 CS_OFFL_SIR_IOPM_2_20180708T233550_20180708T234103_C001 CS OFFL SIR IOPM 2 20180708T234442 20180708T234551 C001 CS_OFFL_SIR_IOPN_2_20180708T093757_20180708T093805_C001 CS_OFFL_SIR_IOPN_2_20180708T134139_20180708T134652_C001 CS OFFL SIR IOPN 2 20180708T142637 20180708T142654 C001 CS_OFFL_SIR_IOPN_2_20180708T151616_20180708T151851_C001

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

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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.

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The Ice Backscatter Averaging Status Flag has been set for one or more records.

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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_IOPN_2_20180708T180719_20180708T180841_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_20180708T021154_20180708T021734_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_20180708T051701_20180708T051752_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_20180708T052441_20180708T052448_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180708T102701_20180708T103018_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_20180708T134653_20180708T134900_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_20180708T150919_20180708T151616_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_20180708T214936_20180708T215255_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 2 Ocean Retracking Quality Check		

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. 50

Number of products with errors:

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

6.1 P2P Product Format Check

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

6.2 P2P Product Header Analysis

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

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

1

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_220180708T165931_20180708T174908_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
	1	

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. 26

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180707T233739_20180708T002715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T002715_20180708T011653_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_220180708T011653_20180708T020628_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_220180708T020628_20180708T025606_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_220180708T025606_20180708T034542_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_220180708T034542_20180708T043520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T043520_20180708T052456_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_220180708T052456_20180708T061433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T075347_20180708T084323_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_220180708T084323_20180708T093301_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_220180708T093301_20180708T102237_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_220180708T102237_20180708T111214_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_220180708T111214_20180708T120150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T120150_20180708T125128_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T125128_20180708T134104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180708T134104_20180708T143041_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T143041_20180708T152017_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_220180708T152017_20180708T160955_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_220180708T160955_20180708T165931_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_220180708T165931_20180708T174908_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_220180708T174908_20180708T183844_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T183844_20180708T192822_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_220180708T192822_20180708T201758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T201758_20180708T210736_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T210736_20180708T215712_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_220180708T215712_20180708T224649_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 26

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180707T233739_20180708T002715_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_220180708T002715_20180708T011653_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_220180708T011653_20180708T020628_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_220180708T020628_20180708T025606_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_220180708T025606_20180708T034542_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_220180708T034542_20180708T043520_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_220180708T043520_20180708T052456_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_220180708T052456_20180708T061433_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_220180708T075347_20180708T084323_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_220180708T084323_20180708T093301_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_220180708T093301_20180708T102237_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_220180708T102237_20180708T111214_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_220180708T111214_20180708T120150_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_220180708T120150_20180708T125128_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_220180708T125128_20180708T134104_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_220180708T134104_20180708T143041_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_220180708T143041_20180708T152017_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_220180708T152017_20180708T160955_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_220180708T160955_20180708T165931_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_220180708T165931_20180708T174908_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_220180708T174908_20180708T183844_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_220180708T183844_20180708T192822_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.

	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180708T210736_20180708T215712_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_220180708T215712_20180708T224649_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. Number of products with errors: 26

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180707T233739_20180708T002715_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T002715_20180708T011653_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T011653_20180708T020628_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T020628_20180708T025606_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T025606_20180708T034542_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T034542_20180708T043520_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T043520_20180708T052456_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T052456_20180708T061433_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T075347_20180708T084323_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T084323_20180708T093301_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T093301_20180708T102237_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T102237_20180708T111214_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T111214_20180708T120150_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T120150_20180708T125128_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T125128_20180708T134104_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T134104_20180708T143041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T143041_20180708T152017_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T152017_20180708T160955_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T160955_20180708T165931_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T165931_20180708T174908_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T174908_20180708T183844_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T183844_20180708T192822_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T192822_20180708T201758_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T201758_20180708T210736_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T210736_20180708T215712_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180708T215712_20180708T224649_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	1	1