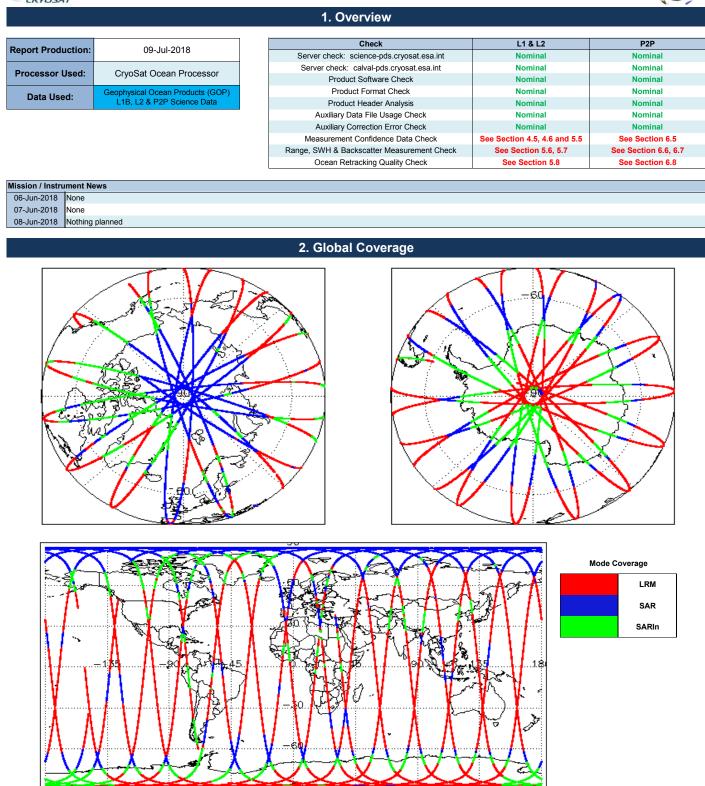


IDEAS+ Daily Report for GOP data:

07/06/2018





3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. GOP 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	e-determined baseline and also to ch	neck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
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	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 measurer	nent record. The bit value of this flag	i indicates any problems when set
Attitude Correction Missing: This flag is currently set in error for GOPR proc	-	
Number of products with errors: 1	g	······································
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180607T210434_20180607T211030_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
		records
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indicates	any problems when set.
Loss of Echo Flag: This flag is currently set for some products over land, but	this is to be expected.	
Number of products with errors: 10		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180607T005841_20180607T005848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180607T011351_20180607T012253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T055841_20180607T060057_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T070136_20180607T070345_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T101400_20180607T101522_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T125309_20180607T125431_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T160002_20180607T160345_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T181831_20180607T182030_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180607T191815_20180607T192028_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180607T055201_20180607T055339_C001	Loss of Echo	The tracking echo is missing for one or more records
5 G	OP Level 2 Data Qual	lity Check
<u> </u>		
5.1 L2 Product Format Check		
	ensure it consists of both an XML he	
5.1 L2 Product Format Check	ensure it consists of both an XML he	
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors: 0	ensure it consists of both an XML he	
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5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors: 0		ader file (.HDR) and a binary product file (.DBL).
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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		ader file (.HDR) and a binary product file (.DBL).
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5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 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 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 mea Number of products with errors: 1 Product CS_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-Hz mea	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Tost Failed Power scaling error	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. 767). 767). 767 767 767 767 767 767 767 767 767 76
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 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 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 mea Number of products with errors: 1 Product CS_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for eccurently, there are two common status flags raised in the Level 2 product	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Tost Failed Power scaling error	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. 767). is flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more reco
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 profunct of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are che 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 mea Number of products with errors: 1 Product CS_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for exclosed the inghlighting any additional issues which may arise from this test.	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Test Failed Power scaling error	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct. 767). 767). 767 767 767 767 767 767 767 767 767 76
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 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 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 mea Number of products with errors: 1 Product CS_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e Currently, there are two common status flags raised in the Level 2 produtate bighlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products of the products	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Test Failed Power scaling error each measurement record. The bit va cts which are expected due to sur	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. 767). 767). 767 767 767 767 767 767 767 767 767 76
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5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 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 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 mea Number of products with errors: 1 Product CS_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for eact Currently, there are two common status flags raised in the Level 2 product table highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products or late Range Averaging Status Flag: This flag is currently set for products or late Range Averaging Status Flag: This flag is currently set for products or late Range Averaging Status Flag: This flag is currently set for products or	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Test Failed Power scaling error each measurement record. The bit va cts which are expected due to sur over land and sea ice, but this is to b land, but this is to be expected.	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. 767). 767). 767). 767 767 767 767 767 767 767 767 767 76
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 prostant of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are chen 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 mea Number of products with errors: 1 Product 1 CryoSat L2 data includes a measurement Confidence flag for each 20-Hz mea Number of products with errors: 1 Product 1 CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-FL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-FL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 clae Range Averaging Status Flag: This flag is currently set for products over Number of products with errors: 83 Product 83	d SPH in order to identify any incons a-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Test Failed Power scaling error each measurement record. The bit va cts which are expected due to sur over land and sea ice, but this is to be land, but this is to be expected. Test Failed Ccean Range Averaging Statu	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. 767). 767). is flag indicates any problems when set. 767). is flag indicates any problems when set. Yere is an error in the scaling of the L2 waveform for one or more reconstructed in the list below, followed by a e expected. alue of this flag indicates any problems when set. face type. All common flags are summarised in the list below, followed by a e expected. Image: All common flags are summarised in the list below, followed by a free ords. The Ocean Range Averaging Status Flag has been set for one or more reconstructed.
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to a 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 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 provide the optication of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are che 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 mea Number of products with errors: 1 Product Cs_OFFL_SIR_GOPM_2_20180607T210434_20180607T211030_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-Hz mea Number of products with errors: 1 Product CiryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-Hz mea Number of products an Ocean and Ice Range Averaging Status flag for each 20-Hz mea CoryoSat L2 data includes an Ocean and Ice Range Aver	d SPH in order to identify any incons e-determined baseline and also to ch ecked for the default error value (327 surement record. The bit value of thi Test Failed Power scaling error each measurement record. The bit va to be expected due to sur over land and sea ice, but this is to b land, but this is to be expected. Test Failed Test Failed	ader file (.HDR) and a binary product file (.DBL). istencies and/or errors raised by the ground-segment processing chain. ieck the validity of Auxiliary Data Files is correct. 767). 767). 767). 767 767 767 7

CS_OFFL_SIR_GOPM_2_20180607T005900_20180607T010152_C001 CS OFFL SIR GOPM 2 20180607T011351 20180607T012253 C001 CS_OFFL_SIR_GOPM_2_20180607T012537_20180607T014722_C001 CS_OFFL_SIR_GOPM_2_20180607T015347_20180607T015451_C001 CS OFFL SIR GOPM 2 20180607T015454 20180607T015903 C001 CS_OFFL_SIR_GOPM_2_20180607T020313_20180607T022041_C001 CS OFFL SIR GOPM 2 20180607T025023 20180607T032545 C001 CS OFFL SIR GOPM 2 20180607T032914 20180607T033348 C001 CS_OFFL_SIR_GOPM_2_20180607T034450_20180607T041612_C001 CS_OFFL_SIR_GOPM_2_20180607T041742_20180607T041750_C001 CS OFFL SIR GOPM 2 20180607T041750 20180607T042038 C001 CS_OFFL_SIR_GOPM_2_20180607T042854_20180607T044330_C001 CS OFFL SIR GOPM 2 20180607T044811 20180607T044934 C001 CS_OFFL_SIR_GOPM_2_20180607T044937_20180607T050524_C001 CS_OFFL_SIR_GOPM_2_20180607T050730_20180607T051247_C001 CS OFFL SIR GOPM 2 20180607T052305 20180607T053626 C001 CS_OFFL_SIR_GOPM_2_20180607T053840_20180607T055201_C001 CS_OFFL_SIR_GOPM_2_20180607T055339_20180607T055508_C001 CS_OFFL_SIR_GOPM_2_20180607T061808_20180607T062830_C001 CS_OFFL_SIR_GOPM_2_20180607T063010_20180607T064415_C001 CS_OFFL_SIR_GOPM_2_20180607T064656_20180607T065158_C001 CS OFFL SIR GOPM 2 20180607T065205 20180607T065216 C001 CS_OFFL_SIR_GOPM_2_20180607T065235_20180607T065336_C001 CS OFFL SIR GOPM 2 20180607T070639 20180607T071257 C001 CS OFFL SIR GOPM 2 20180607T072502 20180607T073051 C001 CS OFFL SIR GOPM 2 20180607T080200 20180607T082248 C001 CS_OFFL_SIR_GOPM_2_20180607T082723_20180607T083114_C001 CS_OFFL_SIR_GOPM_2_20180607T083121_20180607T083129_C001 CS_OFFL_SIR_GOPM_2_20180607T083136_20180607T083409_C001 CS OFFL SIR GOPM 2 20180607T083810 20180607T090436 C001 CS_OFFL_SIR_GOPM_2_20180607T093813_20180607T100230_C001 CS_OFFL_SIR_GOPM_2_20180607T100507_20180607T101028_C001 CS_OFFL_SIR_GOPM_2_20180607T101035_20180607T101400_C001 CS_OFFL_SIR_GOPM_2_20180607T101740_20180607T102828_C001 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CS_OFFL_SIR_GOPM_2_20180607T174002_20180607T174258_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T174508_20180607T180110_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T181734_20180607T181831_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T182442_20180607T182720_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T182740_20180607T183207_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T183454_20180607T184853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T193559_20180607T195918_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T200232_20180607T201116_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T201423_20180607T203824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T211036_20180607T213817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T214448_20180607T214909_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T215324_20180607T221804_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T223001_20180607T223018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T224603_20180607T230104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T230638_20180607T231653_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T232401_20180607T232948_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T233222_20180607T233732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T234030_20180607T234828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180607T041636_20180607T041742_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180607T072219_20180607T072341_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180607T101400_20180607T101522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180607T155352_20180607T155408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180607T164333_20180607T164607_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T033402_20180607T033407_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T132038_20180607T132314_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T185316_20180607T185711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T201314_20180607T201423_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T233111_20180607T233222_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180607T235732_20180607T235928_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. 84

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180606T233458_20180607T000727_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_GOPM_2_20180607T001447_20180607T002014_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T002323_20180607T002804_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_GOPM_2_20180607T005900_20180607T010152_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_GOPM_2_20180607T011351_20180607T012253_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_GOPM_2_20180607T012537_20180607T014722_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_GOPM_2_20180607T015347_20180607T015451_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T015454_20180607T015903_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T020313_20180607T022041_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_GOPM_2_20180607T025023_20180607T032545_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_GOPM_2_20180607T032914_20180607T033348_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T034450_20180607T041612_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_GOPM_2_20180607T041742_20180607T041750_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180607T041750_20180607T042038_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180607T042854_20180607T044330_C001 CS_OFFL_SIR_GOPM_2_20180607T044937_20180607T050524_C001 CS_OFFL_SIR_GOPM_2_20180607T050730_20180607T051247_C001 CS_OFFL_SIR_GOPM_2_20180607T052305_20180607T053626_C001 CS OFFL SIR GOPM 2 20180607T053840 20180607T055201 C001 CS_OFFL_SIR_GOPM_2_20180607T055339_20180607T055508_C001 CS OFFL SIR GOPM 2 20180607T061808 20180607T062830 C001 CS OFFL SIR GOPM 2 20180607T063010 20180607T064415 C001 CS_OFFL_SIR_GOPM_2_20180607T064656_20180607T065158_C001 CS_OFFL_SIR_GOPM_2_20180607T065205_20180607T065216_C001 CS OFFL SIR GOPM 2 20180607T065235 20180607T065336 C001 CS_OFFL_SIR_GOPM_2_20180607T070030_20180607T070135_C001 CS OFFL SIR GOPM 2 20180607T070639 20180607T071257 C001 CS_OFFL_SIR_GOPM_2_20180607T071751_20180607T072219_C001 CS_OFFL_SIR_GOPM_2_20180607T072502_20180607T073051_C001 CS OFFL SIR GOPM 2 20180607T080200 20180607T082248 C001 CS OFFL SIR GOPM 2 20180607T082723 20180607T083114 C001 CS_OFFL_SIR_GOPM_2_20180607T083121_20180607T083129_C001 CS_OFFL_SIR_GOPM_2_20180607T083810_20180607T090436_C001 CS_OFFL_SIR_GOPM_2_20180607T093813_20180607T100230_C001 CS_OFFL_SIR_GOPM_2_20180607T100507_20180607T101028_C001 CS OFFL SIR GOPM 2 20180607T101035 20180607T101400 C001 CS_OFFL_SIR_GOPM_2_20180607T101740_20180607T102828_C001 CS OFFL SIR GOPM 2 20180607T103407 20180607T105017 C001 CS OFFL SIR GOPM 2 20180607T111334 20180607T113338 C001 CS OFFL SIR GOPM 2 20180607T113658 20180607T114151 C001 CS_OFFL_SIR_GOPM_2_20180607T114508_20180607T115305_C001 CS_OFFL_SIR_GOPM_2_20180607T115732_20180607T121444_C001 CS_OFFL_SIR_GOPM_2_20180607T122652_20180607T123017_C001 CS OFFL SIR GOPM 2 20180607T124341 20180607T124442 C001 CS_OFFL_SIR_GOPM_2_20180607T130535_20180607T132038_C001 CS_OFFL_SIR_GOPM_2_20180607T132440_20180607T132954_C001 CS OFFL SIR GOPM 2 20180607T133637 20180607T135807 C001 CS_OFFL_SIR_GOPM_2_20180607T140053_20180607T141120_C001 CS_OFFL_SIR_GOPM_2_20180607T142154_20180607T142554_C001 CS OFFL SIR GOPM 2 20180607T144058 20180607T144702 C001 CS_OFFL_SIR_GOPM_2_20180607T144849_20180607T145917_C001 CS_OFFL_SIR_GOPM_2_20180607T150618_20180607T150855_C001 CS OFFL SIR GOPM 2 20180607T151614 20180607T155230 C001 CS OFFL SIR GOPM 2 20180607T160454 20180607T163631 C001 CS_OFFL_SIR_GOPM_2_20180607T165524_20180607T172329_C001 CS_OFFL_SIR_GOPM_2_20180607T174002_20180607T174258_C001 CS_OFFL_SIR_GOPM_2_20180607T174508_20180607T180110_C001 CS OFFL SIR GOPM 2 20180607T182442 20180607T182720 C001 CS_OFFL_SIR_GOPM_2_20180607T182740_20180607T183207_C001 CS_OFFL_SIR_GOPM_2_20180607T183454_20180607T184853_C001 CS OFFL SIR GOPM 2 20180607T185033 20180607T185316 C001 CS_OFFL_SIR_GOPM_2_20180607T193559_20180607T195918_C001 CS_OFFL_SIR_GOPM_2_20180607T200232_20180607T201116_C001 CS OFFL SIR GOPM 2 20180607T201423 20180607T203824 C001 CS_OFFL_SIR_GOPM_2_20180607T211036_20180607T213817_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

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SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status

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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. 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 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 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 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.

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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.

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.

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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.

The SWH and Ocean Averaging Status Flags have 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.

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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 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.

CS_OFFL_SIR_GOPM_2_20180607T214448_20180607T214909_C001 CS OFFL SIR GOPM 2 20180607T215324 20180607T221804 C001 CS_OFFL_SIR_GOPM_2_20180607T223001_20180607T223018_C001 CS_OFFL_SIR_GOPM_2_20180607T224603_20180607T230104_C001 CS OFFL SIR GOPM 2 20180607T230638 20180607T231653 C001 CS_OFFL_SIR_GOPM_2_20180607T232401_20180607T232948_C001 CS OFFL SIR GOPM 2 20180607T233222 20180607T233732 C001 CS OFFL SIR GOPM 2 20180607T234030 20180607T234828 C001 CS_OFFL_SIR_GOPN_2_20180607T041636_20180607T041742_C001 CS_OFFL_SIR_GOPN_2_20180607T072219_20180607T072341_C001 CS OFFL SIR GOPN 2 20180607T101400 20180607T101522 C001 CS_OFFL_SIR_GOPN_2_20180607T155352_20180607T155408_C001 CS OFFL SIR GOPN 2 20180607T164333 20180607T164607 C001 CS_OFFL_SIR_GOPR_2_20180607T033402_20180607T033407_C001 CS_OFFL_SIR_GOPR_2_20180607T132038_20180607T132314_C001 CS OFFL SIR GOPR 2 20180607T185316 20180607T185711 C001 CS_OFFL_SIR_GOPR_2_20180607T201314_20180607T201423_C001 CS_OFFL_SIR_GOPR_2_20180607T233111_20180607T233222_C001 CS_OFFL_SIR_GOPR_2_20180607T235732_20180607T235928_C001

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 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

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Ice Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean 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 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 record 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 ecords 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.

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

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors: 52

6. GOP 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).

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

CS_OFFL_SIR_GOP_2__20180607T205547_20180607T214521_C001

Power scaling error

Test Failed

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.

Description

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. 30

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180606T232550_20180607T001525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
	0 0 0	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180607T010504_20180607T015438_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180607T015438_20180607T024417_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_GOP_220180607T024417_20180607T033352_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T033352_20180607T042331_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_GOP_220180607T042331_20180607T051305_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_GOP_220180607T051305_20180607T060245_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T060245_20180607T065219_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_GOP_220180607T065219_20180607T074158_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_GOP_220180607T074158_20180607T083133_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_GOP_220180607T083133_20180607T092112_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T092112_20180607T101046_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_GOP_220180607T101046_20180607T110025_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_GOP_220180607T110025_20180607T115000_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_GOP_220180607T115000_20180607T123939_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T123939_20180607T132913_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_GOP_220180607T132913_20180607T141852_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T141852_20180607T150827_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_GOP_220180607T150827_20180607T155806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T155806_20180607T164740_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T164740_20180607T173720_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_GOP_220180607T173720_20180607T182654_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_GOP_220180607T182654_20180607T191633_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_GOP_220180607T191633_20180607T200608_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_GOP_2_20180607T200608_20180607T205547_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_GOP_220180607T205547_20180607T214521_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_GOP_220180607T214521_20180607T223500_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_GOP_220180607T223500_20180607T232435_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180607T232435_20180608T001414_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. 30

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180606T232550_20180607T001525_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_GOP_220180607T001525_20180607T010504_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_GOP_220180607T010504_20180607T015438_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_GOP_220180607T015438_20180607T024417_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_GOP_220180607T024417_20180607T033352_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_GOP_220180607T033352_20180607T042331_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_GOP_220180607T042331_20180607T051305_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_GOP_220180607T051305_20180607T060245_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_GOP_220180607T060245_20180607T065219_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_GOP_220180607T065219_20180607T074158_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_GOP_220180607T074158_20180607T083133_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_GOP_220180607T083133_20180607T092112_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_GOP_220180607T092112_20180607T101046_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_GOP_2_20180607T101046_20180607T110025_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_GOP_220180607T110025_20180607T115000_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_GOP_220180607T115000_20180607T123939_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_GOP_220180607T123939_20180607T132913_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_GOP_220180607T132913_20180607T141852_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_GOP_2_20180607T141852_20180607T150827_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_GOP_2_20180607T150827_20180607T155806_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_GOP_2_20180607T155806_20180607T164740_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_GOP_2_20180607T164740_20180607T173720_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_GOP_2_20180607T173720_20180607T182654_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_GOP_220180607T182654_20180607T191633_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_GOP_220180607T191633_20180607T200608_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_GOP_220180607T200608_20180607T205547_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_GOP_220180607T205547_20180607T214521_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_GOP_220180607T214521_20180607T223500_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_GOP_220180607T223500_20180607T232435_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_GOP_220180607T232435_20180608T001414_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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180607T001525_20180607T010504_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T010504_20180607T015438_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T015438_20180607T024417_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T024417_20180607T033352_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T033352_20180607T042331_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T042331_20180607T051305_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T051305_20180607T060245_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T060245_20180607T065219_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T065219_20180607T074158_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T092112_20180607T101046_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T101046_20180607T110025_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T110025_20180607T115000_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T115000_20180607T123939_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T123939_20180607T132913_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T132913_20180607T141852_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T141852_20180607T150827_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T150827_20180607T155806_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_220180607T155806_20180607T164740_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record
CS_OFFL_SIR_GOP_2_20180607T164740_20180607T173720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more record

CS_OFFL_SIR_GOP_220180607T173720_20180607T182654_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T182654_20180607T191633_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T191633_20180607T200608_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T200608_20180607T205547_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T205547_20180607T214521_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T214521_20180607T223500_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T223500_20180607T232435_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180607T232435_20180608T001414_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.