

IDEAS+ Daily Report for GOP data:

<u>30/11/2017</u>



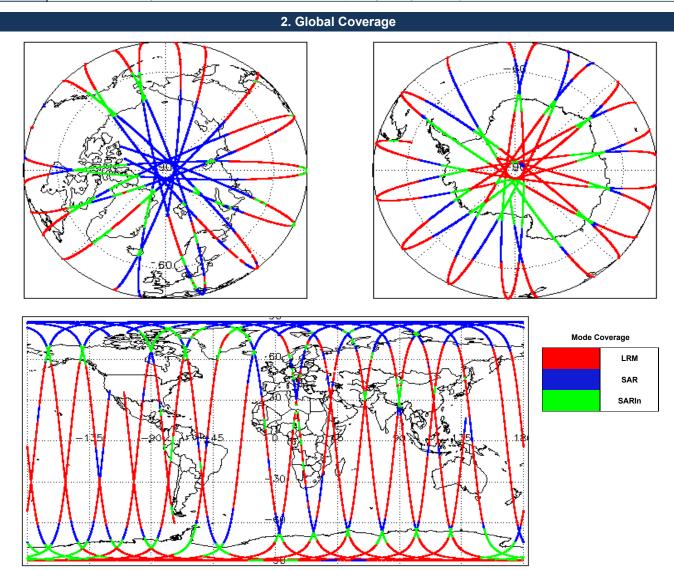
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eport Production:	15-Jan-2018	Check	L1 & L2	P2P
report Production.	15-Jan-2018	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	On a Ont One on Diversion	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Useu.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Used:		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News 29-Nov-2017 None

30-Nov-2017 SIRAL unavailability on 30-Nov-2017 from 12:22:00 to 14:21:24 due to a planned orbit manoeuvre.

01-Dec-2017 L0 SAR & SARIn data missing on 1-Dec-2017 from 13:59:55 to 15:04:56 due to an unplanned ground segment anomaly.



3. Instrument Configuration

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

SIRAL - A

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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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

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Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

Number of products with errors:

Decidinat	Test Failed	Description
Product	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_GOPM1B_20171130T025252_20171130T030742_C001	Power scaling error	records
CS_OFFL_SIR_GOPR1B_20171130T004823_20171130T005247_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T012606_20171130T013305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T022710_20171130T022818_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T025038_20171130T025252_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T030743_20171130T030823_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T044833_20171130T045032_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T052554_20171130T052700_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T054040_20171130T054651_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T055146_20171130T055359_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T062731_20171130T063006_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T064119_20171130T064342_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T072021_20171130T072138_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T072204_20171130T072713_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T073856_20171130T074039_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T080528_20171130T080932_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T085937_20171130T090048_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T090103_20171130T090907_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T100250_20171130T100309_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T100559_20171130T100844_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T102644_20171130T103042_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T105125_20171130T105136_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T110043_20171130T110327_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T112455_20171130T112811_C001	Attitude correction missing	The attitude has not been corrected
CS_0FFL_SIR_GOPR1B_20171130T113242_20171130T113248_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T115202_20171130T115349_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T120624_20171130T121305_C001	Attitude correction missing	The attitude has not been corrected
CS_0FFL_SIR_GOPR1B_20171130T121538_20171130T121734_C001	Attitude correction missing	The attitude has not been corrected
CS_0FFL_SIR_GOPR1B_20171130T142124_20171130T142415_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T145038_20171130T145044_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T145051_20171130T145057_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR GOPR1B 20171130T153848 20171130T154536 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T162139_20171130T162301_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T171049_20171130T171311_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T173756_20171130T173901_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_201711301173736_201711301173901_C001 CS_OFFL_SIR_GOPR1B_201711301180020_201711301180245_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_201711301180020_201711301180243_C001	-	The attitude has not been corrected
	Attitude correction missing	
CS_OFFL_SIR_GOPR1B_20171130T185535_20171130T190536_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T200624_20171130T201202_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T203251_20171130T203431_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T203431_20171130T204025_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T204055_20171130T204520_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T210943_20171130T211457_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T211843_20171130T212142_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T221147_20171130T221842_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T221842_20171130T222135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T231049_20171130T231437_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171130T235741_20171201T000000_C001	Attitude correction missing	The attitude has not been corrected

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set. Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20171130T043438_20171130T044833_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171130T151636_20171130T153231_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171130T164147_20171130T165308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T022819_20171130T022939_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T023241_20171130T023451_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T030823_20171130T031432_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T040914_20171130T040957_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T041148_20171130T041357_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T054651_20171130T055146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T121734_20171130T122035_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T153231_20171130T153514_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T153633_20171130T153704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T153706_20171130T153848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171130T170014_20171130T170136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T012606_20171130T013305_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T050238_20171130T050357_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T080528_20171130T080932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T094508_20171130T094922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T103245_20171130T103434_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T195321_20171130T195608_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T213208_20171130T213633_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171130T223015_20171130T223336_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). 0 Number of products with errors:

5.2 L2 Product Header Analysis

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

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171130T025252_20171130T030742_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 71

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171130T000528_20171130T003808_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T003812_20171130T004031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T010032_20171130T012606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T013541_20171130T013733_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T014514_20171130T020034_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T020037_20171130T020157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T020639_20171130T021429_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T022939_20171130T023241_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T023452_20171130T025038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20171130T025252_20171130T030742_C001 CS OFFL SIR GOPM 2 20171130T031432 20171130T031646 C001 CS_OFFL_SIR_GOPM_2_20171130T031728_20171130T032146_C001 CS_OFFL_SIR_GOPM_2_20171130T032355_20171130T033826_C001 CS_OFFL_SIR_GOPM_2_20171130T034005_20171130T035440_C001 CS_OFFL_SIR_GOPM_2_20171130T041357_20171130T042739_C001 CS OFFL SIR GOPM 2 20171130T043438 20171130T044833 C001 CS OFFL SIR GOPM 2 20171130T045223 20171130T050049 C001 CS_OFFL_SIR_GOPM_2_20171130T050357_20171130T052554_C001 CS_OFFL_SIR_GOPM_2_20171130T060147_20171130T062730_C001 CS OFFL SIR GOPM 2 20171130T063412 20171130T063903 C001 CS_OFFL_SIR_GOPM_2_20171130T064342_20171130T070759_C001 CS OFFL SIR GOPM 2 20171130T074039 20171130T075033 C001 CS_OFFL_SIR_GOPM_2_20171130T075611_20171130T080528_C001 CS_OFFL_SIR_GOPM_2_20171130T081332_20171130T081930_C001 CS OFFL SIR GOPM 2 20171130T082246 20171130T084940 C001 CS_OFFL_SIR_GOPM_2_20171130T091219_20171130T094508_C001 CS_OFFL_SIR_GOPM_2_20171130T095239_20171130T095800_C001 CS_OFFL_SIR_GOPM_2_20171130T100436_20171130T100558_C001 CS_OFFL_SIR_GOPM_2_20171130T103550_20171130T103938_C001 CS_OFFL_SIR_GOPM_2_20171130T105136_20171130T110042_C001 CS OFFL SIR GOPM 2 20171130T110328 20171130T112454 C001 CS_OFFL_SIR_GOPM_2_20171130T113248_20171130T113655_C001 CS OFFL SIR GOPM 2 20171130T114232 20171130T115201 C001 CS OFFL SIR GOPM 2 20171130T115349 20171130T115953 C001 CS OFFL SIR GOPM 2 20171130T120143 20171130T120624 C001 CS_OFFL_SIR_GOPM_2_20171130T142416_20171130T142709_C001 CS_OFFL_SIR_GOPM_2_20171130T142712_20171130T144319_C001 CS_OFFL_SIR_GOPM_2_20171130T144529_20171130T145037_C001 CS OFFL SIR GOPM 2 20171130T150024 20171130T151016 C001 CS_OFFL_SIR_GOPM_2_20171130T151636_20171130T153231_C001 CS_OFFL_SIR_GOPM_2_20171130T155537_20171130T160622_C001 CS OFFL SIR GOPM 2 20171130T160802 20171130T162138 C001 CS_OFFL_SIR_GOPM_2_20171130T162448_20171130T162948_C001 CS_OFFL_SIR_GOPM_2_20171130T162955_20171130T163007_C001 CS OFFL SIR GOPM 2 20171130T163013 20171130T163023 C001 CS_OFFL_SIR_GOPM_2_20171130T163826_20171130T164011_C001 CS OFFL SIR GOPM 2 20171130T164147 20171130T165308 C001 CS OFFL SIR GOPM 2 20171130T165405 20171130T165721 C001 CS_OFFL_SIR_GOPM_2_20171130T165724_20171130T170014_C001 CS_OFFL_SIR_GOPM_2_20171130T170258_20171130T171048_C001 CS OFFL SIR GOPM 2 20171130T173901 20171130T180020 C001 CS_OFFL_SIR_GOPM_2_20171130T180526_20171130T180905_C001 CS_OFFL_SIR_GOPM_2_20171130T180927_20171130T181231_C001 CS_OFFL_SIR_GOPM_2_20171130T181620_20171130T184235_C001 CS_OFFL_SIR_GOPM_2_20171130T191525_20171130T193945_C001 CS_OFFL_SIR_GOPM_2_20171130T194308_20171130T194819_C001 CS_OFFL_SIR_GOPM_2_20171130T195608_20171130T200624_C001 CS_OFFL_SIR_GOPM_2_20171130T201202_20171130T202859_C001 CS OFFL SIR GOPM 2 20171130T205150 20171130T210228 C001 CS_OFFL_SIR_GOPM_2_20171130T211457_20171130T211843_C001 Ocean Range Averaging Status Ice Range Averaging 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CS_OFFL_SIR_GOPM_2_20171130T212307_20171130T212852_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T213633_20171130T220836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T222135_20171130T222240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T224003_20171130T225700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T231438_20171130T234859_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171130T103452_20171130T103550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171130T105005_20171130T105124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171130T170014_20171130T170136_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171130T071757_20171130T071900_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171130T113820_20171130T114232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171130T145038_20171130T145044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 68

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171130T000528_20171130T003808_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_20171130T010032_20171130T012606_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_20171130T013541_20171130T013733_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T014514_20171130T020034_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_20171130T020037_20171130T020157_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_20171130T020639_20171130T021429_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_20171130T022939_20171130T023241_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T023452_20171130T025038_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_20171130T025252_20171130T030742_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_20171130T031432_20171130T031646_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T031728_20171130T032146_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T032355_20171130T033826_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_20171130T034005_20171130T035440_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_20171130T041357_20171130T042739_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_20171130T043438_20171130T044833_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_20171130T045223_20171130T050049_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T050357_20171130T052554_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_20171130T060147_20171130T062730_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_20171130T063412_20171130T063903_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T064342_20171130T070759_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_20171130T074039_20171130T075033_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_20171130T075611_20171130T080528_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_20171130T081332_20171130T081930_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T082246_20171130T084940_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_20171130T091219_20171130T094508_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_20171130T095239_20171130T095800_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T100436_20171130T100558_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_20171130T103550_20171130T103938_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_20171130T105136_20171130T110042_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_20171130T110328_20171130T112454_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_20171130T113248_20171130T113655_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171130T114232_20171130T115201_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_20171130T115349_20171130T115953_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T120143_20171130T120624_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T142416_20171130T142709_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T142712_20171130T144319_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T144529_20171130T145037_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T150024_20171130T151016_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T151636_20171130T153231_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T155537_20171130T160622_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T160802_20171130T162138_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T162448_20171130T162948_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T162955_20171130T163007_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T163013_20171130T163023_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T164147_20171130T165308_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T165405_20171130T165721_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T165724_20171130T170014_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T170258_20171130T171048_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T173901_20171130T180020_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T180927_20171130T181231_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T181620_20171130T184235_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T191525_20171130T193945_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T194308_20171130T194819_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T195608_20171130T200624_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T201202_20171130T202859_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T211457_20171130T211843_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T212307_20171130T212852_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T213633_20171130T220836_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T222135_20171130T222240_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T224003_20171130T225700_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T230234_20171130T230745_C001	Ice Backscatter Averaging Status
CS_OFFL_SIR_GOPM_2_20171130T231438_20171130T234859_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPN_2_20171130T103452_20171130T103550_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPN_2_20171130T105005_20171130T105124_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPN_2_20171130T170014_20171130T170136_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPR_2_20171130T071757_20171130T071900_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPR_2_20171130T113820_20171130T114232_C001	SWH Averaging Status, Ocean Backscatter Averaging Status
CS_OFFL_SIR_GOPR_2_20171130T145038_20171130T145044_C001	Ice Backscatter Averaging Status

Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status ce Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status ce Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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

The SWH and Ocean Averaging Status Flags have been set for one or

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

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:

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

more records

more records

records

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:

61

6.4 P2P Auxiliary Correction Error Check	

-or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32/67).					
rement record. The bit value of this flag ind	icates any problems when set.				
Test Failed	Description				
Power scaling error	There is an error in the scaling of the L2 waveform for one or more records				
	rement record. The bit value of this flag ind				

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

Number of products with errors:

CS_OFFL_SIR_GOP_2_20171129T235752_20171130T004730_C001 Ocean Range Averaging Status CS_OFFL_SIR_GOP_2_20171130T004730_20171130T013705_C001 Ocean Range Averaging Status, Ic Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records. e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T013705_20171130T022644_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T022644_20171130T031619_C001 Ocean Range Averaging Status, Ic Range Averaging Status	or more records.
CS_OFFL_SIR_GOP_220171130T031619_20171130T040557_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T040557_20171130T045532_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T045532_20171130T054511_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T054511_20171130T063446_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T063446_20171130T072425_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T072425_20171130T081359_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T081359_20171130T090338_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T090338_20171130T095313_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T095313_20171130T104252_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T104252_20171130T113227_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T113227_20171130T122205_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T140119_20171130T145053_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T145053_20171130T154032_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T163007_20171130T171946_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T171946_20171130T180921_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T180921_20171130T185900_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T185900_20171130T194834_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T194834_20171130T203813_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T203813_20171130T212748_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171130T212748_20171130T221727_C001 Ocean Range Averaging Status, Ic Range Averaging Status	e The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171130T221727_20171130T230702_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T230702_20171130T235640_C001 Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS OFFE SIR GOP 2 201711291235752 201711301004730 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOP_220171130T004730_20171130T013705_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
	00	The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOP_220171130T022644_20171130T031619_C001
CS_OFFL_SIR_GOP_220171130T031619_20171130T040557_C001
CS_OFFL_SIR_GOP_2_20171130T040557_20171130T045532_C001
CS_OFFL_SIR_GOP_220171130T045532_20171130T054511_C001
CS_OFFL_SIR_GOP_220171130T054511_20171130T063446_C001
CS_OFFL_SIR_GOP_220171130T063446_20171130T072425_C001
CS_OFFL_SIR_GOP_220171130T072425_20171130T081359_C001
CS_OFFL_SIR_GOP_220171130T081359_20171130T090338_C001
CS_OFFL_SIR_GOP_220171130T090338_20171130T095313_C001
CS_OFFL_SIR_GOP_220171130T095313_20171130T104252_C001
CS_OFFL_SIR_GOP_220171130T104252_20171130T113227_C001
CS_OFFL_SIR_GOP_220171130T113227_20171130T122205_C001
CS_OFFL_SIR_GOP_220171130T140119_20171130T145053_C001
CS_OFFL_SIR_GOP_220171130T145053_20171130T154032_C001
CS_OFFL_SIR_GOP_220171130T163007_20171130T171946_C001
CS_OFFL_SIR_GOP_220171130T171946_20171130T180921_C001
CS_OFFL_SIR_GOP_220171130T180921_20171130T185900_C001
CS_OFFL_SIR_GOP_220171130T185900_20171130T194834_C001
CS_OFFL_SIR_GOP_2_20171130T194834_20171130T203813_C001
CS_OFFL_SIR_GOP_220171130T203813_20171130T212748_C001
CS_OFFL_SIR_GOP_220171130T212748_20171130T221727_C001
CS_OFFL_SIR_GOP_220171130T221727_20171130T230702_C001
CS_OFFL_SIR_GOP_220171130T230702_20171130T235640_C001

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The SWH, Ocean and Ice 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.

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: 24

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171129T235752_20171130T004730_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T004730_20171130T013705_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T013705_20171130T022644_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T022644_20171130T031619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T031619_20171130T040557_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T040557_20171130T045532_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T045532_20171130T054511_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T054511_20171130T063446_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T063446_20171130T072425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T072425_20171130T081359_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T081359_20171130T090338_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T090338_20171130T095313_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T095313_20171130T104252_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T104252_20171130T113227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T113227_20171130T122205_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T140119_20171130T145053_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220171130T145053_20171130T154032_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T163007_20171130T171946_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T180921_20171130T185900_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T185900_20171130T194834_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T203813_20171130T212748_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T212748_20171130T221727_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T221727_20171130T230702_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171130T230702_20171130T235640_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.