

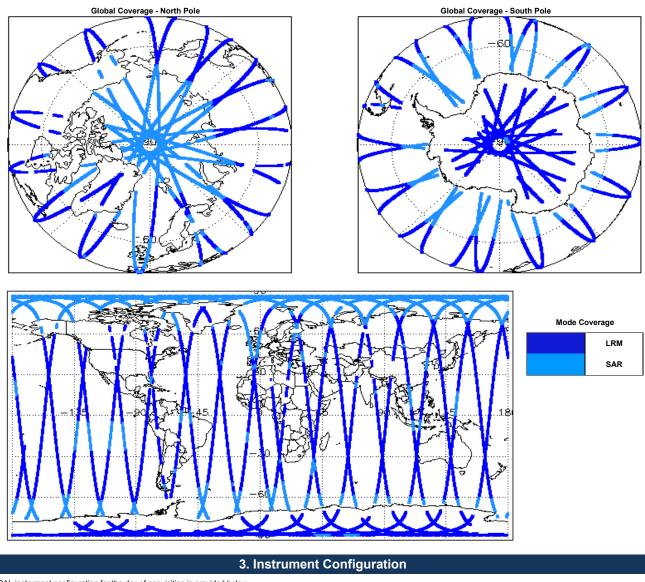
IDEAS+ Daily Report for GOP data:

<u>13/11/2015</u>

eport Production Date:	11-Dec-2015	Check	Status
Report Production Date.		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B and L2 Science Data	Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.6, 5.6, 5.7 and 5.8

121101 2010			
	13-Nov-2015	None	
14-Nov-2015		Nothing planned	

2. Global Coverage



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

SIRAL instrument(s) in use:

SIRAL - A

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 product file (.DBL). Number of products with errors: 0

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

4.0.1.4.D. Austilante Data Eila Ulaanse Ohaale		
4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre Number of products with errors: 0	e-determined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 60) for each measurem	ent record. The hit value of this flag indicates	any nrohlems when set
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 12) for each i	measurement record. The bit value of this flag	indicates any problems when set.
Number of products with errors: 0	-	
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurem	ent record. The bit value of this flag indicates a	any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 16	to be expected.	
Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20151113T034101_20151113T034716_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T040243_20151113T041924_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T054216_20151113T054622_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T060337_20151113T061016_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T114301_20151113T114715_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T115701_20151113T120052_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T143618_20151113T150033_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T151925_20151113T155151_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20151113T155610_20151113T160246_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T171256_20151113T171436_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T174754_20151113T175005_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T191334_20151113T192134_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T223301_20151113T223400_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T223535_20151113T224323_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T233336_20151113T233908_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151113T234335_20151113T235816_B001	Loss of Echo	The tracking echo is missing for one or more records
5. G	OP Level 2 Data Quality Ch	leck
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 product file (DBI)
Number of products with errors: 0		
· · · · · ·		
5.2 L2 Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
lumber of products with errors: 0		
5.3 L2 Auxiliary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Vind Model File Usage: This file is currently not included in all L2 products.		
lumber of products with errors: 0		
5.4 L2 Auxiliary Correction Error Check		
or all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (32767).	
currently, there are two common auxiliary correction errors raised in the ollowed by a table highlighting any additional issues which may arise fr		to surface type. All common flags are summarised in the list below,
ea State Bias Error: The error value is currently set for products over land a		
Attimetric Wind Speed Error: The error value is currently set for products over land a		
lumber of products with errors: 17		
roduct	Test Failed	Description
S_OFFL_SIR_GOP_220151113T040029_20151113T040243_B001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), No	There is an error with the Total Geocentric Ocean Tide height (solution n-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean
CS_OFFL_SIR_GOP_220151113T040243_20151113T041924_B001	Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), No Equilibrium Long Period Ocean Tide	FES) and the Non-equilibrium Long Period Ocean Tide height for one or
CS_OFFL_SIR_GOP_2_20151113T042501_20151113T043206_B001	Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), No	more records
CS_OFFL_SIR_GOP_2_20151113T044208_20151113T045231_B001	Equilibrium Long Period Ocean Tide Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric	more records There is an error with the MSS height (solution 1), the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: EFS) and the Non-
, _, _,, , , , , , , , , , , , ,	Ocean Tide (FES), Non-Equilibrium Lon Period Ocean Tide	g equilibrium Long Period Ocean Tide height for one or more records There is an error with the Total Geocentric Ocean Tide height (solution)

Total Geocentric Ocean Tide (FES)

CS_OFFL_SIR_GOP_2__20151113T053134_20151113T053648_B001

There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records

CS_OFFL_SIR_GOP_2_20151113T055617_20151113T055800_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T060337_20151113T061016_B001 Total Geocentric Ocean Tide	e (FES) There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_GOP_2_20151113T093834_20151113T095810_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T111150_20151113T111302_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T122456_20151113T123638_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	e (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean
CS_OFFL_SIR_GOP_2_20151113T151925_20151113T155151_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T171436_20151113T171719_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T173612_20151113T173731_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T174754_20151113T175005_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T222015_20151113T222339_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T222435_20151113T222615_B001 Total Geocentric Ocean Tide Equilibrium Long Period Oce	
CS_OFFL_SIR_GOP_2_20151113T235959_20151114T000244_B001 GIM Ionospheric correction	There is an error with the GIM lonospheric correction for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 14) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean (field 25) and Ice (field 30) 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. 26

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220151113T015325_20151113T015751_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T015751_20151113T015757_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T015809_20151113T020203_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T024149_20151113T024440_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T033132_20151113T033649_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T033655_20151113T033702_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T033702_20151113T033708_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T033708_20151113T033904_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T051624_20151113T051738_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T065118_20151113T065516_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T065538_20151113T065752_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T082906_20151113T083430_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T083436_20151113T083802_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T100907_20151113T101708_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T114841_20151113T115356_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T133013_20151113T133257_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T151009_20151113T151203_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T151418_20151113T151701_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T160405_20151113T160756_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T164846_20151113T165121_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T165143_20151113T165609_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T182632_20151113T183522_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T200602_20151113T200739_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T200849_20151113T201312_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_2__20151113T214802_20151113T215351_B001 CS_OFFL_SIR_GOP_2_20151113T232708_20151113T233222_B001 Ice Range Averaging Status Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag (field 49) and an Ocean (field 55) and Ice (field 61) 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.

Test Falled

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. 21

Number of products with errors:

- -

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20151113T015325_20151113T015751_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T015809_20151113T020203_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T033702_20151113T033708_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T033708_20151113T033904_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T051624_20151113T051738_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T065118_20151113T065516_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T065538_20151113T065752_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T082906_20151113T083430_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T083436_20151113T083802_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T100907_20151113T101708_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T114841_20151113T115356_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T133013_20151113T133257_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T151009_20151113T151203_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T151418_20151113T151701_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T160405_20151113T160756_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T164846_20151113T165121_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T165143_20151113T165609_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151113T182632_20151113T183522_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T200602_20151113T200739_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T200849_20151113T201312_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151113T214802_20151113T215351_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors: