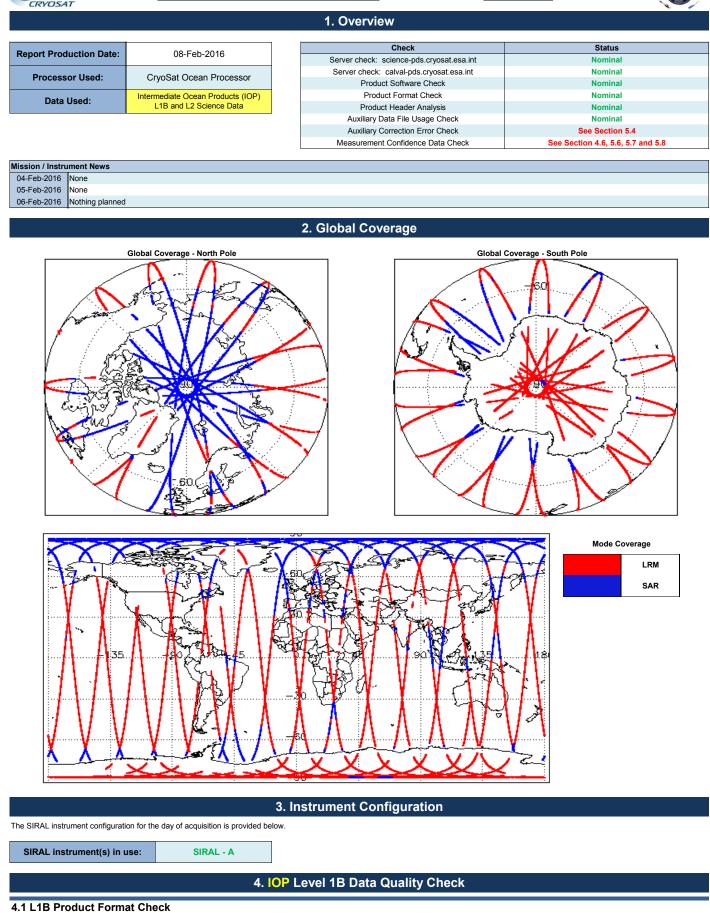


IDEAS+ Daily Report for IOP data:

05/02/2016





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.

4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pro	e-determined baseline and also to check the va	alidity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
A A L 4D Auvilians Connection Funer Check					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag (field 60) for each measuren	nent record. 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 (field 12) for each	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	to be expected.				
Number of products with errors: 7					
Product	Test Failed	Description			
CS_OFFL_SIR_IOP_1B_20160205T005604_20160205T005733_B001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOP_1B_20160205T010031_20160205T010108_B001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOP_1B_20160205T032353_20160205T032717_B001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOP_1B_20160205T121453_20160205T122416_B001 CS_OFFL_SIR_IOP_1B_20160205T125028_20160205T125224_B001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOP_1B_201602051155428_201602051155528_B001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOP_1B_20160205T173130_20160205T173249_B001	Loss of Echo	The tracking echo is missing for one or more records			
5.10	OP Level 2 Data Quality Ch	ock			
	JP Level 2 Data Quality Ch	5CN			
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).			
Number of products with errors: 0					
5.2 L2 Product Header Analysis					
•	d SPH in order to identify any inconsistencies.	and/or errors raised by the around-segment processing chain			
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0	d SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.			
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For all products, a series of pre-defined checks are performed on the MPH an 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- Wind Model File Usage: This file is currently not included in all L2 products. 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 Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products ove Number of products with errors: 16 Product CS_OFFL_SIR_IOP_2_20160205T005604_20160205T005733_B001 CS_OFFL_SIR_IOP_2_20160205T010319_20160205T011013_B001	e-determined baseline and also to check the value ecked for the default error value (32767). b Level 2 products which are expected due to om this test. and sea ice, but this is to be expected. er land and sea ice, but this is to be expected. er land and sea ice, but this is to be expected. Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nor	alidity of Auxiliary Data Files is correct. Description There is an error with the Total Geocentric Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height for one o more records There is an error with the Total Geocentric Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height for one o more records There is an error with the Total Geocentric Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution : FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean Tide height (solution : FES) and the Non-equilibrium Long Period Ocean			

CS_OFFL_SIR_IOP_220160205T130924_20160205T131719_B001	Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220160205T141356_20160205T142037_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220160205T190639_20160205T190935_B001	Fouilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_2_20160205T210209_20160205T210300_B001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220160205T234809_20160205T235023_B001	Lotal Geocentric Ocean Lide (GOL)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220160205T235023_20160206T000218_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) 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. 32

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220160205T001016_20160205T001513_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T001520_20160205T001527_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T001552_20160205T001713_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20160205T014937_20160205T015425_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T015431_20160205T015443_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T015449_20160205T015458_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T015505_20160205T015615_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T033008_20160205T033340_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T033403_20160205T033729_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T050757_20160205T051254_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T051301_20160205T051629_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T064755_20160205T065325_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T082713_20160205T083221_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T100930_20160205T101125_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T114832_20160205T115035_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T115134_20160205T115537_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T124231_20160205T124329_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T132632_20160205T133439_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T150515_20160205T150720_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T150754_20160205T151319_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T164435_20160205T164536_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T164723_20160205T165322_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T182631_20160205T183200_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T200533_20160205T201047_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T214109_20160205T214533_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T214539_20160205T214546_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T214552_20160205T214945_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T222930_20160205T223220_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232432_20160205T232438_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232438_20160205T232444_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232445_20160205T232450_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232450_20160205T232646_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

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.

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. 22

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220160205T001552_20160205T001713_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T015505_20160205T015615_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T033008_20160205T033340_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T033403_20160205T033729_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T050757_20160205T051254_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T051301_20160205T051629_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T064755_20160205T065325_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T082713_20160205T083221_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T100930_20160205T101125_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T114832_20160205T115035_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T115134_20160205T115537_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T132632_20160205T133439_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T150515_20160205T150720_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T150754_20160205T151319_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T164435_20160205T164536_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T164723_20160205T165322_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T182631_20160205T183200_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T200533_20160205T201047_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T214109_20160205T214533_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T214552_20160205T214945_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232438_20160205T232444_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160205T232450_20160205T232646_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.

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: 142