

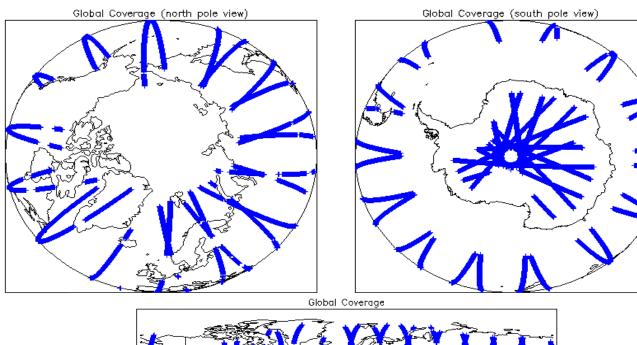
IDEAS+ Daily Report for NRT data:

<u>09/09/2014</u>

Panart Braduation Data	10-Sep-2014	Check	Status	
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
Data Used:	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6, 6.7 and 6.8	

2. Global Coverage

08-Sep-2014 09-Sep-2014	None
09-Sep-2014	None
10-Sep-2014	Nothing planned





3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1 & 2

4. Level 1B Calibration Data Quality Check

4.1 L1 CAL 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 L1 CAL Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the processing chain.

0

4.3 L1 CAL Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors wit a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0				
4.4 L1 CAL Measurement Confidence Flags				
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set.				
Number of products with errors: 0				
5. Level 1B FDM Data Quality Check				
5.1 L1B FDM 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 L1B FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and	SPH in order to identify any inconsister	ncies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L1B FDM Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors wrt a pre-determined	baseline and also to check the validity	of Auxiliary Data Files is correct		
Number of products with errors: 0				
5.4 L1B Correction Error Flags				
Each product is checked to detect auxiliary corrections flagged by the ground-st Number of products with errors: 0	tation processing chain as missing or co	ntaining errors.		
5.5 L1B FDM Measurement Confidence Flags				
CryoSat L1B data includes a measurement confidence flag word (field 14) for each	ach measurement record. The bit value	of this flag indicates any problems when set.		
Number of products with errors: 5				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_1B_20140909T144046_20140909T144558_B001	Echo error Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20140909T162310_20140909T162434_B001 CS_OFFL_SIR_FDM_1B_20140909T163858_20140909T165610_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo		
CS_OFFL_SIR_FDM_1B_20140909T175450_20140909T180021_B001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20140909T193644_20140909T193741_B001	Attitude correction missing	The attitude has not been corrected		
6 6	vel 2 FDM Data Quality	Check		
6.1 L2 FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0	nsure it consists of both an XML header	file (.HDR) and a binary product file (.DBL)		
6.2 L2 FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and	SPH in order to identify any inconsister	ncies and/or errors raised by the processing chain.		
		cc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field		
#29) and also within the L2 Product files (MPH field #35 and SPH field #33). Th Data Set Records free of processing errors is below the minimum acceptable th	ey are set by the FDM processor when	an error is detected during the L2 processing and also when the percentage of		
This issue is under investigation.				
Number of products with errors: 0				
6.3 L2 FDM Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors wrt a pre-determined	baseline and also to check the validity	of Auxiliary Data Files is correct.		
Number of products with errors: 0				
6.4 L2 FDM Correction Error Flags				
Each product is checked to detect auxiliary corrections flagged by the ground-st	tation processing chain as missing or co	ontaining errors.		
Number of products with errors: 0				
6.5 L2 FDM Measurement Confidence Flags				
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement	ent record. The bit value of this flag is a	n assessment of the measurement quality by the processing chain.		
Number of products with errors: 5				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220140909T144046_20140909T144558_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo		
CS_OFFL_SIR_FDM_220140909T162310_20140909T162434_B001	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_220140909T163858_20140909T165610_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo		

Attitude correction missing

Attitude correction missing

The attitude has not been corrected

The attitude has not been corrected

CS_OFFL_SIR_FDM_2__20140909T175450_20140909T180021_B001

CS_OFFL_SIR_FDM_2__20140909T193644_20140909T193741_B001

Each product is checked to detect range measurements flagged by the proce	essing chain as missing or containing errors.	
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140909T055207_20140909T060301_B001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
0.7 L 0. EDM OWILL and Dealer action Management Fla		
6.7 L2 FDM SWH and Backscatter Measurement Fla	ys	
Each product is abacked to detect parameters related to SWU and sigma0 th	et are flagged by the processing shain as m	viceina er containing errore
Each product is checked to detect parameters related to SWH and sigma0 th	at are flagged by the processing chain as m	issing or containing errors.
	at are flagged by the processing chain as m	issing or containing errors.
Number of products with errors: 1		
Number of products with errors: 1	at are flagged by the processing chain as m	Description
Number of products with errors: 1 Product		
Number of products with errors: 1 Product	Test Failed	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be
Number of products with errors: 1 Product	Test Failed	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be
Number of products with errors: 1 Product	Test Failed	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be
Number of products with errors: 1 Product	Test Failed OCOG Backscatter Status Flag	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.
Number of products with errors: 1 Product	Test Failed OCOG Backscatter Status Flag	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.
Number of products with errors: 1 Product CS_OFFL_SIR_FDM_220140909T015225_20140909T020251_B001 6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the	Test Failed OCOG Backscatter Status Flag	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.
Each product is checked to detect parameters related to SWH and sigma0 th Number of products with errors: Product CS_OFFL_SIR_FDM_220140909T015225_20140909T020251_B001 6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the Number of products with errors: 4 Product	Test Failed OCOG Backscatter Status Flag	Description The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.

CS_OFFL_SIR_FDM_220140909T002232_20140909T003926_B001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220140909T025804_20140909T030516_B001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220140909T055207_20140909T060301_B001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
CS_OFFL_SIR_FDM_220140909T151021_20140909T151543_B001		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

7. QCC Check

The QCC is a CryoSat facility that performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	132	0	0	0	0
SIR_FDM_2	134	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with en	rors:	0			

7.2 Missing QCC Reports

Number of products with missing QCC reports:

All