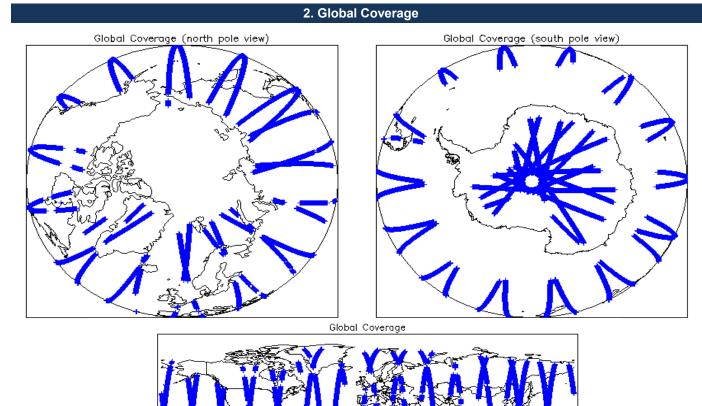


IDEAS+ Daily Report for NRT data:

<u>12/10/2014</u>

Report Production Date:	14-Oct-2014	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode (FDM), and CAL Data	Server check: calval-pds.cryosat.esa.int	Nominal	
		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 and 6.8	

Mission / Instru	ment News
11-Oct-2014	None
12-Oct-2014	None
13-Oct-2014	Nothing planned



3. Instrument Configuration

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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

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 wrt a pre-determine	ed baseline and also to check the validi	ty 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 (fie	eld 11) for each measurement record.]	The hit value of this flan indicates any problems when set
Number of products with errors: 0		The bit velice of this hag indicates any problems when set.
5 L .		
5. Le	vel 1B FDM Data Qual	ту Спеск
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 head	Jer 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 an	nd SPH in order to identify any inconsist	tencies 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-determine	ed baseline and also to check the validi	tv 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-	station processing chain as missing or	containing errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for	each measurement record. The bit valu	ue of this flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20141012T031134_20141012T031643_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20141012T133152_20141012T133850_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20141012T162358_20141012T163018_B001 CS_OFFL_SIR_FDM_1B_20141012T194547_20141012T194715_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20141012T212643_20141012T212903_B001	Attitude correction missing	The attitude has not been corrected
6. L(evel 2 FDM Data Qualit	ty Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML head	ler file (.HDR) and a binary product file (.DBL)
Number of products with errors: 0		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH ar	nd SPH in order to identify any inconsisi	tencies and/or errors raised by the processing chain.
		Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH fiel
	hey are set by the FDM processor whe	en 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 2 L 2 EDM Auxiliany Data File Llagge Check		
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determine	ed baseline and also to check the validi	y 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- Number of products with errors: 0	station processing chain as missing or	containing errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurer	nent record. The bit value of this flag is	an assessment of the measurement quality by the processing chain.
Number of products with errors: 5		· · · · · · · · · · · · · · · · · · ·
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141012T031134_20141012T031643_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220141012T133152_20141012T133850_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFEL_SIR_EDM_220141012T162358_20141012T163018_B001	Attitude correction missing	The attitude has not been corrected

Attitude correction missing

Attitude correction missing

The attitude has not been corrected

The attitude has not been corrected

CS_OFFL_SIR_FDM_2__20141012T194547_20141012T194715_B001

CS_OFFL_SIR_FDM_2__20141012T212643_20141012T212903_B001

ach product is checked to detect	range measurements flagged by	he processing chain as missing	or containing errors.			
Number of products with errors:	: 1					
Product		Test Failed	Desc	ription		
CS_OFFL_SIR_FDM_220141012T171058_20141012T172016_B001		001 OCOG Retrack	ed Range Flag indica		ter fail flag is set by the OCOG call, for one or more records, the values stored in fields #18, #19, #20 and #21 should be or these records.	
6.7 L2 FDM SWH and B	ackscatter Measureme	ent Flags				
Each product is checked to detect	parameters related to SWH and s	igma0 that are flagged by the p	rocessing chain as missing or co	ontaining errors.		
Number of products with errors:	. 0			-		
6.8 L2 FDM Geophysica	al Measurement Flags					
Each product is checked to detect		ad by the processing chain as m	nissing or containing errors			
Number of products with errors:		to by the processing chain as h	issing of containing crors.			
Product		Test Failed	Desc	ription		
CS_OFFL_SIR_FDM_2201410	12T002233_20141012T003256_B		The Cuality Flag	e Ocean Retracking Quality Flag is set indicating the CFI Ocean tracker was not successfully executed for one or more records.		
CS_OFFL_SIR_FDM_2201410	12T110001_20141012T113640_B	001 Ocean Retrack		The Ocean Retracking Quality Flag is set indicating the CFI Retracker was not successfully executed for one or more rea		
CS_OFFL_SIR_FDM_2201410 ⁷	12T123942_20141012T125325_B	001 Ocean Retrack		Ocean Retracking Quality Flag is set indicating the CFI Ocean cker was not successfully executed for one or more records.		
CS_OFFL_SIR_FDM_22014107	FL_SIR_FDM_220141012T134025_20141012T140311_B001			ne Ocean Retracking Quality Flag is set indicating the CFI Ocean etracker was not successfully executed for one or more records.		
S_OFFL_SIR_FDM_220141012T171058_20141012T172016_B001		001 Ocean Retrack	Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the Retracker was not successfully executed for one or more			
CS_OFFL_SIR_FDM_2201410	12T180043_20141012T180504_B	001 Ocean Retrack		The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		
		7 000	C Check			
The QCC is a CryoSat facility that provided below.	performs a primary survey of data			cessing facilities. A list of the tests v	hich raised errors or warning	
Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors	
SIR_FDM_1B SIR_FDM_2	153 151	0 0	0 0	0 0	0 0	
7.1 QCC Errors						

7.2 Missing QCC Reports

Number of products with missing QCC reports: All