

IDEAS+ Daily Report for NRT data:

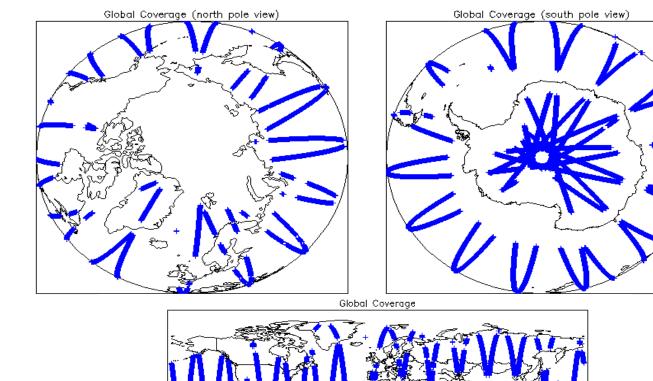
<u>26/04/2015</u>

Report Production Date:	28-Apr-2015	Check	Status	
report Froduction Date.		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	

Overview

25-Apr-2015	
26-Apr-2015	None
27-Apr-2015	Nothing planned





3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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.

4.2.1.4.CAL Auxiliany Data File Lloage Check		
4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined Number of products with errors: 0	baseline and also to check the validity of	Auxiliary Data Files is correct.
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 I	bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Lev	el 1B FDM Data Quality	Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to er	sure it consists of both an XML header fi	le (.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 inconsistenc	ies 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 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-str Number of products with errors: 0	ation processing chain as missing or cont	taining errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for ea	ach measurement record. The bit value of	this flag indicates any problems when set.
Number of products with errors: 1		
Product CS_OFFL_SIR_FDM_1B_20150426T084802_20150426T085602_C001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo
C3_011 E_SIK_1 DW_1B_201004201004002_201004201003002_C001		
6. Le ^v	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 er	sure it consists of both an XML header fi	le (.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 and	SPH in order to identify any inconsistenc	ies and/or errors raised by the processing chain.
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	ation processing chain as missing or cont	taining 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	nt record. The bit value of this flag is an a	assessment of the measurement quality by the processing chain.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150426T084802_20150426T085602_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6.6 L2 FDM Range Measurement Flags		
Each product is checked to detect range measurements flagged by the processi	ing chain as missing or containing errors.	
Number of products with errors: 1		
Product	Test Failed	Description The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150426T105528_20150426T105531_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
6.7 L2 FDM SWH and Backscatter Measurement Flags	6	
Each product is checked to detect parameters related to SWH and sigma0 that		issing or containing errors.
Number of products with errors: 0		

ach product is checked to detect	t geophysical measurements flagged b	by the processing chain as m	issing or containing erro	rs.	
lumber of products with errors	s: 3				
Product		Test Failed		Description	
CS_OFFL_SIR_FDM_2201504	26T021954_20150426T022917_C001	1 Ocean Retracki	ng Quality Flag	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_2201504	26T105528_20150426T105531_C001	1 Ocean Retracki	ng Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	
S_OFFL_SIR_FDM_220150426T143447_20150426T144509_C001		1 Ocean Retracki	ng Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Oc Retracker was not successfully executed for one or more record	
		7. QCC	Check		
rovided below.	t performs a primary survey of data pro	oducts immediately after prod		TA processing facilities. A list of the tests v	which raised errors or warnin
he QCC is a CryoSat facility that rovided below. Product type SIR_FDM_1B			uction by the PDS and L	TA processing facilities. A list of the tests of tests o	

7.2 Missing QCC Reports

Number of products with missing QCC reports:

All