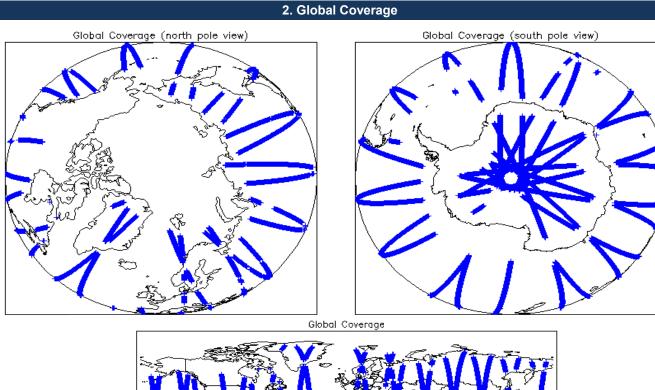


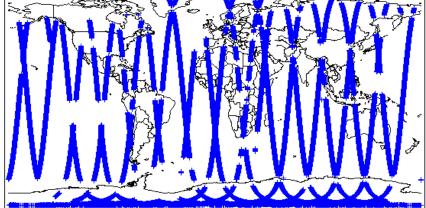
# IDEAS+ Daily Report for NRT data:

## <u>06/02/2015</u>

Report Production Date:	09-Feb-2015	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 Osec.	(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 and 6.8	

Mission / Instrument News				
05-Feb-2015	None			
06-Feb-2015	None			
07-Feb-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	
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 wrt a pre-determined b Number of products with errors: 0	paseline and also to check the validity of	f Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field Number of products with errors: 0	11) for each measurement record. The	bit value of this flag indicates any problems when set.
5. Levé	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 ens	sure it consists of both an XML beader f	file ( HDR) and a binary product file ( DRI )
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 S Number of products with errors: 0	SPH in order to identify any inconsistenc	cies and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined b	paseline and also to check the validity of	f 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-sta	tion processing chain as missing or con	ntaining 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 eac	ch measurement record. The bit value o	of this flag indicates any problems when set
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150206T095425_20150206T100030_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150206T131517_20150206T131545_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150206T163924_20150206T163951_B001	Attitude correction missing	The attitude has not been corrected
6. Lev	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 ens Number of products with errors: 0	sure it consists of both an XML header f	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 inconsistence	cies and/or errors raised by the processing chain.
Currently there is a high number of processing error flags set within the Level 2 F #29) and also within the L2 Product files (MPH field #35 and SPH field #33). The Data Set Records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the set records free of processing errors is below the minimum acceptable three sets and the sets	y are set by the FDM processor when a	n 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 b	paseline and also to check the validity of	f 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-sta	ation processing chain as missing or con	taining errors.
Number of products with errors: 0		-
· · · · · · · · · · · · · · · · · · ·		
6.5 L2 FDM Measurement Confidence Flags		
·	nt record. The bit value of this flag is an	assessment of the measurement quality by the processing chain.
6.5 L2 FDM Measurement Confidence Flags	nt record. The bit value of this flag is an	assessment of the measurement quality by the processing chain.
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 Test Failed	assessment of the measurement quality by the processing chain. Description
6.5 L2 FDM Measurement Confidence Flags         CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measuremen         Number of products with errors:       3		
6.5 L2 FDM Measurement Confidence Flags         CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measuremer         Number of products with errors:       3         Product	Test Failed	Description

6.6 L2 FDM Range Measurement Flags							
Each product is checked to detect	range measurements flagged by the	ne processing chain as missing	or containing errors.				
Number of products with errors	: 1						
Product		Test Failed	Desc	ription			
CS_OFFL_SIR_FDM_220150206T092554_20150206T094912_B001		001 OCOG Retracke	ed Range Flag indica	The master fail flag is set by the OCOG call, for one or more record indicating the values stored in fields #18, #19, #20 and #21 should l ignored for these records.			
6.7 L2 FDM SWH and B	ackscatter Measureme	nt Flags					
Each product is checked to detect	parameters related to SWH and si	gma0 that are flagged by the pr	ocessing chain as missing or co	ontaining errors.			
Number of products with errors	. 0						
6.8 L2 FDM Geophysic	al Measurement Flags						
Each product is checked to detect		d by the processing chain as m	ssing or containing errors				
Number of products with errors							
Product		Test Failed	Desc	ription			
CS_OFFL_SIR_FDM_220150206T092554_20150206T094912_B001		001 Ocean Retrackin		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_22015020	001 Ocean Retrackin		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_220150206T234157_20150206T235503_B001		001 Ocean Retrackir	Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set in Retracker was not successfully executed for				
7. QCC Check							
The QCC is a CryoSat facility that provided below.	performs a primary survey of data	products immediately after prod	uction by the PDS and LTA pro	cessing facilities. A list of the tests w	hich raised errors or warnings is		
Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors		
SIR_FDM_1B SIR_FDM_2	172 169	0 0	0 0	0 0	0 0		
7.1 QCC Errors							
Number of QCC reports with err	ors: 0						

## 7.2 Missing QCC Reports

Number of products with missing QCC reports:

All