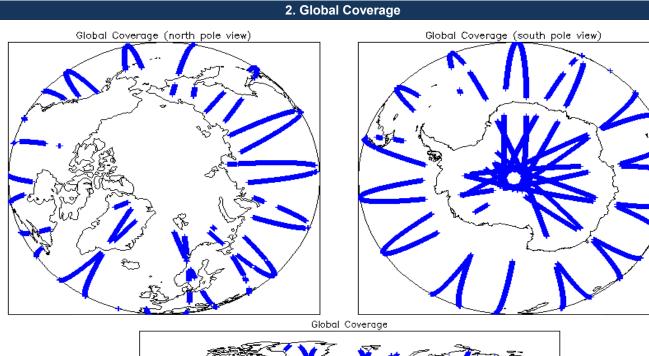


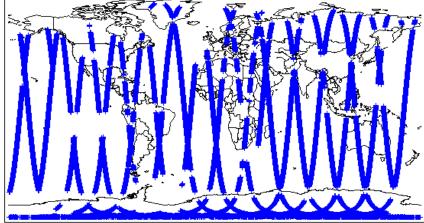
IDEAS+ Daily Report for NRT data:

<u>04/02/2015</u>

enert Breduction Date	05-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
	(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 / Instru	ment News
03-Feb-2015	None
04-Feb-2015	None
05-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 Number of products with errors: 0	d 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 (fie Number of products with errors: 0	ld 11) for each measurement record. Th	e bit value of this flag indicates any problems when set.
5. Le	vel 1B FDM Data Qualit	y Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	ensure it consists of both an XML heade	r file (.HDR) and a binary product file (.DBL).
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH an Number of products with errors: 0	d SPH in order to identify any inconsiste	ncies 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-determiner Number of products with errors: 0	d baseline and also to check the validity	of Auxiliary Data Files is correct.
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-examples of products with errors: 0	station processing chain as missing or co	ontaining errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for e	each measurement record. The bit value	of this flag indicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150204T095711_20150204T100302_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150204T131741_20150204T131811_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150204T164154_20150204T164205_B001	Attitude correction missing	The attitude has not been corrected
6. Le	evel 2 FDM Data Quality	r Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	ensure it consists of both an XML heade	r 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	d SPH in order to identify any inconsiste	ncies and/or errors raised by the processing chain.
	hey are set by the FDM processor when	oc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field an error is detected during the L2 processing and also when the percentage of ntly set to 5%).
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 Number of products with errors: 0	d baseline and also to check the validity	of Auxiliary Data Files is correct.
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-	station 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 measurem	nent record. The bit value of this flag is a	n assessment of the measurement quality by the processing chain
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150204T095711_20150204T100302_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150204T131741_20150204T131811_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150204T164154_20150204T164205_B001	Attitude correction missing	The attitude has not been corrected

Each product is checked to detect range measurements flagged by the proces	ssing chain as missing or containing errors.	
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150204T124600_20150204T125221_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.
6.7 L2 FDM SWH and Backscatter Measurement Flag	gs	
Each product is checked to detect parameters related to SWH and sigma0 that	at are flagged by the processing chain as m	nissing or containing errors.
Number of products with errors: 0		
6.8 L2 FDM Geophysical Measurement Flags		
Each product is checked to detect deophysical measurements flagged by the	processing chain as missing or containing	errors
	processing chain as missing or containing	errors.
Number of products with errors: 5		
Number of products with errors: 5	processing chain as missing or containing a Test Failed	Provide the provided and the provided an
Number of products with errors: 5 Product		
Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_220150204T041533_20150204T041600_B001	Test Failed	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Sumber of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_220150204T041533_20150204T041600_B001 5 CS_OFFL_SIR_FDM_220150204T043037_20150204T044541_B001 5	Test Failed Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
Sumber of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_220150204T041533_20150204T041600_B001 5 CS_OFFL_SIR_FDM_2_20150204T043037_20150204T044541_B001 5 CS_OFFL_SIR_FDM_2_20150204T060945_20150204T062523_B001 5	Test Failed Ocean Retracking Quality Flag Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
Number of products with errors: 5 Product 5 CS_OFFL_SIR_FDM_220150204T041533_20150204T041600_B001 5 CS_OFFL_SIR_FDM_2_20150204T043037_20150204T044541_B001 5 CS_OFFL_SIR_FDM_2_20150204T060945_20150204T062523_B001 5 CS_OFFL_SIR_FDM_2_20150204T072143_20150204T073019_B001 5	Test Failed Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.
Each product is checked to detect geophysical measurements flagged by the Number of products with errors: 5 Product CS_OFFL_SIR_FDM_220150204T041533_20150204T041600_B001 CS_OFFL_SIR_FDM_220150204T043037_20150204T044541_B001 CS_OFFL_SIR_FDM_220150204T060945_20150204T062523_B001 CS_OFFL_SIR_FDM_220150204T072143_20150204T073019_B001 CS_OFFL_SIR_FDM_220150204T124600_20150204T125221_B001	Test Failed Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag Ocean Retracking Quality Flag	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

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	190	0	0	0	0
SIR_FDM_2	186	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with errors	s: 0				
2.2 Missing QCC Reports					
Number of products with missing (QCC reports: All				

Number of products with missing QCC reports: