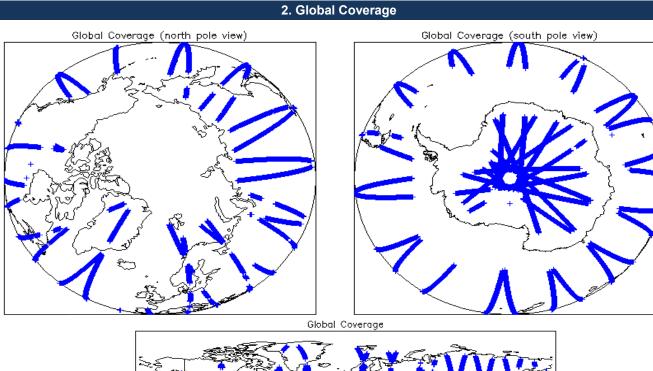


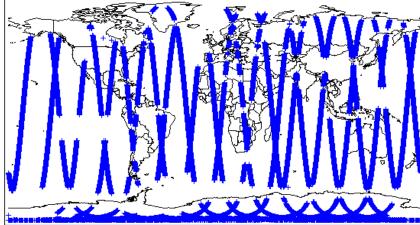
IDEAS+ Daily Report for NRT data:

<u>02/01/2015</u>

eport Production Date:	06-Jan-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 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	

Mission / Instru	iment News
01-Jan-2015	None
02-Jan-2015	None
03-Jan-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

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

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4.3 L1 CAL Auxiliary Data File Usage	Check		
Each product is checked for missing Data Set Descripto		eline and also to check the validity of Auxil	iary 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 c	onfidence flag word (field 11) for each measurement record. The bit va	lue of this flag indicates any problems when set.
Number of products with errors:	0		
	5. Level	1B FDM Data Quality Ch	eck
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science	server, is checked to ensur	e it consists of both an XML header file (.H	IDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header Analys	S		
		H in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		toror errors relieve by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usag			
Each product is checked for missing Data Set Descripte Number of products with errors:	ors wrt a pre-determined bas	eline and also to check the validity of Auxil	iary Data Files is correct.
Number of products with errors.	0		
5.4 L1B Correction Error Flags			
Each product is checked to detect auxiliary corrections		n processing chain as missing or containin	g errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confiden	ce Flags		
CryoSat L1B data includes a measurement confidence	flag word (field 14) for each	measurement record. The bit value of this	flag indicates any problems when set.
Number of products with errors:	2		
Product	07444000 0004	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150102T144727_2015010 CS_OFFL_SIR_FDM_1B_20150102T201215_2015010		Attitude correction missing Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo
	_		
	6. Leve	I 2 FDM Data Quality Che	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science	server, is checked to ensur	e it consists of both an XML header file (.H	IDR) 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 car	ied out on the MPH and SP	H in order to identify any inconsistencies a	nd/or errors raised by the processing chain.
). These flags are set within L2 Header files (MPH field #19 and SPH field r is detected during the L2 processing and also when the percentage of
Data Set Records free of processing errors is below the	e minimum acceptable thresh	nold set within the processor (currently set	to 5%).
This issue is under investigation.	0		
Number of products with errors:	0		
6.3 L2 FDM Auxiliary Data File Usage	Check		
Each product is checked for missing Data Set Descripto		eline and also to check the validity of Auxil	iary 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-statio	n processing chain as missing or containin	g errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confidence	e Flags		
CryoSat L2 data includes a quality flag word (field 8) for	each 20-Hz measurement r	ecord. The bit value of this flag is an asses	sment of the measurement quality by the processing chain.
Number of products with errors:	2		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_2_20150102T144727_2015010		Attitude correction missing	The attitude has not been corrected The Echo Ry1 Error flag is set indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150102T201215_2015010	21202230_DUU1	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 processing chain as missing or containing errors.					
Number of products with errors: 2					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220150102T014927_20150102T015128_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.			
CS_OFFL_SIR_FDM_220150102T145324_20150102T145558_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 Flags

Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing or containing errors.

Number of products with errors: 2		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150102T115552_20150102T120646_B001	OCOG Backscatter Status Flag	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_220150102T164637_20150102T172011_B001	5	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.

6.8 L2 FDM Geophysical Measurement Flags

Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors.

0

All

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Number o	f products	with errors:	
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150102T014927_20150102T015128_B001	Ocean Retracking 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_220150102T034342_20150102T040448_B001	Ocean Retracking 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_220150102T062253_20150102T063130_B001	Ocean Retracking 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_220150102T073957_20150102T075519_B001	Ocean Retracking 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_220150102T145324_20150102T145558_B001	Ocean Retracking Quality Flag	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	162	0	0	0	0
SIR_FDM_2	159	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports: