

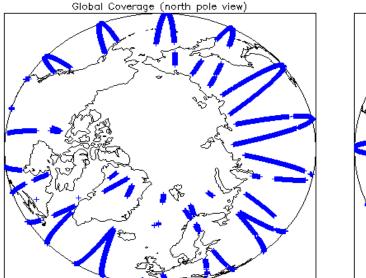
IDEAS+ Daily Report for NRT data:

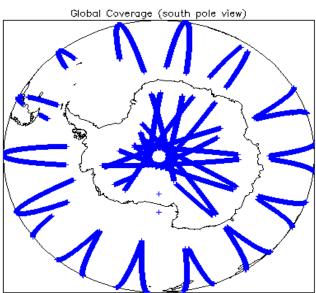
<u>15/01/2015</u>

Report Production Date:	16-Jan-2015	Check	Status
		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, 6.7 and 6.8

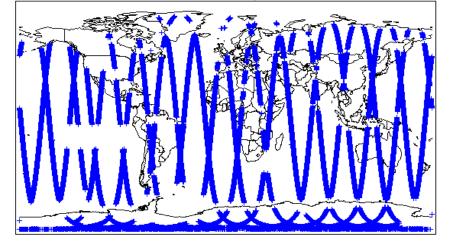
14-Jan-2015	None
15-Jan-2015	None
16-Jan-2015	Nothing planned







Global Coverage



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

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 validity	/ 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	ne bit value of this flag indicates any problems when set.			
Number of products with errors: 0					
5. Le	vel 1B FDM Data Quali	ty Check			
5.1 L1B FDM Product Format Check		•			
	ansura it consists of both an XML boad	or file (HDP) and a binary product file (DPI)			
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: 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 inconsiste	encies 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					
	d baseline and also to aback the validity	r of Auvilianz Data Eilea ia correct			
Each product is checked for missing Data Set Descriptors wrt a pre-determine Number of products with errors: 0	ע המסכוווים מויע מוסט נט כוופטא נוופ Validit)	Y OF MUNITERY DALA FILES IS COTTECT.			
5.4 L1B Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing or o	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 value	e of this flag indicates any problems when set			
Number of products with errors: 5					
	Test Folled	Description			
Product CS_OFFL_SIR_FDM_1B_20150115T102817_20150115T102845_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150115T120236_20150115T120451_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150115T134109_20150115T134240_B001	Attitude correction missing	The attitude has not been corrected			
	-				
CS_OFFL_SIR_FDM_1B_20150115T162850_20150115T170445_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150115T204757_20150115T204909_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo			
6. Lo	evel 2 FDM Data Qualit	y 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	er 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 inconsiste	encies and/or errors raised by the processing chain.			
	hey are set by the FDM processor when	rroc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field n an error is detected during the L2 processing and also when the percentage of ently 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-determine	d 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-	station processing chain as missing or o	containing 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 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_220150115T102817_20150115T102845_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220150115T120236_20150115T120451_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220150115T134109_20150115T134240_B001	Attitude correction missing	The attitude has not been corrected			

CS_OFFL_SIR_FDM_2_	_20150115T162850_20150115T170445_B001
CS_OFFL_SIR_FDM_2_	_20150115T204757_20150115T204909_B001

70445_B001 Attitude correction missing 04909_B001 Echo error

The attitude has not been corrected

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_220150115T092730_20150115T093931_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_220150115T110644_20150115T111749_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: 1		
Product To	Fest Failed	Description
CS_OFFL_SIR_FDM_220150115T045515_20150115T052711_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.

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150115T005307_20150115T010028_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_220150115T013621_20150115T020920_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_220150115T060334_20150115T061627_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_220150115T072824_20150115T074034_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_220150115T092730_20150115T093931_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_220150115T110644_20150115T111749_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_220150115T154116_20150115T160933_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	168	0	0	0	0
SIR_FDM_2	165	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

All Number of products with missing QCC reports: