

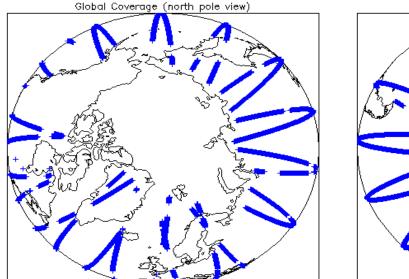
IDEAS+ Daily Report for NRT data:

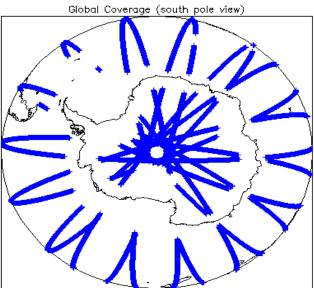
<u>05/02/2015</u>

anart Braduation Data	06-Feb-2015	Check	Status	
Report Production Date:	00-Feb-2015	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 and 6.8	

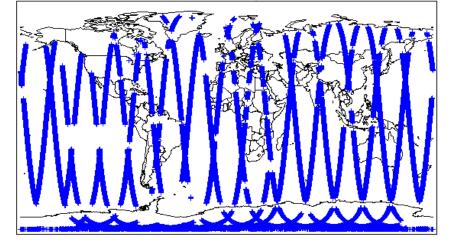
04-Feb-2015	None
04-Feb-2015 05-Feb-2015	None
	Nothing planned

2. Global Coverage





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-determined ba	aseline and also to check the validity	v 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 (field 1	1) for each measurement record. T	he bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Leve	I 1B FDM Data Quali	tv Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	ure it consists of both an XML head	er 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 and SI	PH in order to identify any inconsist	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		
Each product is checked for missing Data Set Descriptors wrt a pre-determined ba	aseline and also to check the validity	y of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4.1.4.P. Correction Error Flags		
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-stati	on 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	n measurement record. The bit valu	e of this flag indicates any problems when set.
Number of products with errors: 8		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150205T101616_20150205T104953_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T122619_20150205T122727_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T154429_20150205T154855_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T154855_20150205T154937_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T155336_20150205T155346_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T160259_20150205T160326_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T160329_20150205T160401_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150205T160732_20150205T163926_B001	Autuale conection missing	
6. Leve	el 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 ensu	ure 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 and SI	PH in order to identify any inconsist	encies and/or errors raised by the processing chain.
	DM products (Product_Err and L2_F	Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field
Data Set Records free of processing errors is below the minimum acceptable three		
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 ba	aseline and also to check the validity	y 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 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 measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chain.

Number of products with errors: 8						
Product	Test Failed	Description				
CS_OFFL_SIR_FDM_220150205T101616_20150205T104953_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T122619_20150205T122727_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T154429_20150205T154855_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T154855_20150205T154937_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T155336_20150205T155346_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T160259_20150205T160326_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T160329_20150205T160401_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220150205T160732_20150205T163926_B001	Attitude correction missing	The attitude has not been corrected				

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.

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150205T022506_20150205T023440_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_220150205T154429_20150205T154855_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_220150205T232941_20150205T234118_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.

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

N	lumb	ber	of	prod	uct	S	wit	th	errors:		
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150205T022506_20150205T023440_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_220150205T051847_20150205T054906_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_220150205T151349_20150205T154104_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_220150205T154429_20150205T154855_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_220150205T174850_20150205T180045_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_220150205T225040_20150205T231635_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_220150205T232941_20150205T234118_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	158	0	0	0	0
SIR_FDM_2	157	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: All