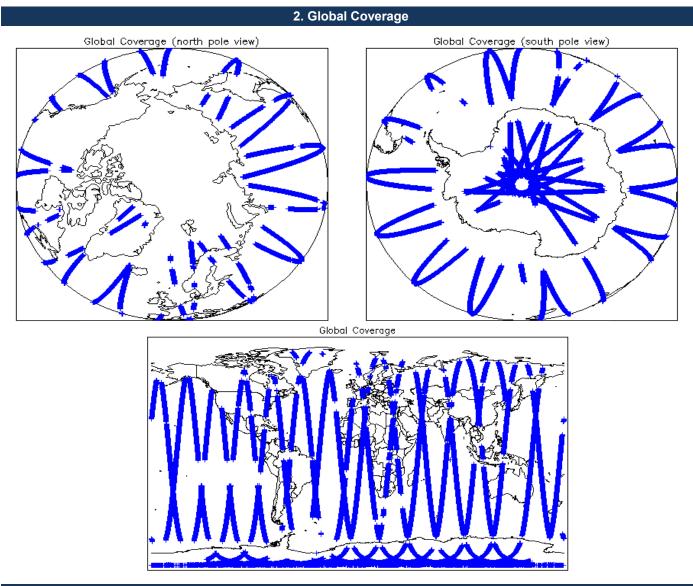


IDEAS+ Daily Report for NRT data:

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

Report Production Date:	07-Apr-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 6.6 and 6.8	

03-Apr-2015	None
04-Apr-2015	None
05-Apr-2015	Nothing planned
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3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use: SIRAL - A

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.

Number of products with errors:

0

4.3 L1 CAL Auxiliary Data File U	sage Check
Each product is checked for missing Data Set I Number of products with errors:	Descriptors wrt a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confid	dence Flags
CryoSat Cal1 and Cal2 data includes a measur	ement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0
	5. Level 1B FDM Data Quality Check
5.1 L1B FDM Product Format C	neck
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 A	nalvsis
	are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0
5.3 L1B FDM Auxilary Data File	lisano Chock
	Descriptors wrt a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	
5.4.1.1P EDM Correction Error E	logo
5.4 L1B FDM Correction Error F	
Each product is checked to detect auxiliary corr Number of products with errors:	ections flagged by the ground-station processing chain as missing or containing errors.
5.5 L1B FDM Measurement Con	
	fidence flag word (field 14) for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0
	6. Level 2 FDM Data Quality Check
6.1 L2 FDM Product Format Che	JCK
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
6.2 L2 FDM Product Header Ana	Ilysis
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.
#29) and also within the L2 Product files (MPH	error flags set within the Level 2 FDM products (Product_Err and L2_Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field #35 and SPH field #33). They are set by the FDM processor when an error is detected during the L2 processing and also when the percentage of elow the minimum acceptable threshold set within the processor (currently set to 5%).
This issue is under investigation.	
Number of products with errors:	0
6.3 L2 FDM Auxiliary Data File L	Isage Check
Each product is checked for missing Data Set I Number of products with errors:	Descriptors wrt a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
6.4 L2 FDM Correction Error Fla	gs
	ections flagged by the ground-station processing chain as missing or containing errors.
Number of products with errors:	0
6.5 L2 FDM Measurement Confi	dence 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:

0

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.

5

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150404T050146_20150404T050736_C001	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_220150404T051020_20150404T051928_C001	5 5	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_220150404T113631_20150404T114536_C001	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_220150404T145707_20150404T151056_C001		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_220150404T151259_20150404T152844_C001	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: 0

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.
Number of products with errors:
6

0

All

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150404T050146_20150404T050736_C001		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_220150404T051020_20150404T051928_C001	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_220150404T113631_20150404T114536_C001		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_2_20150404T145707_20150404T151056_C001	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_220150404T151259_20150404T152844_C001		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_220150404T154415_20150404T155910_C001	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	145	0	0	0	0
SIR_FDM_2	144	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: