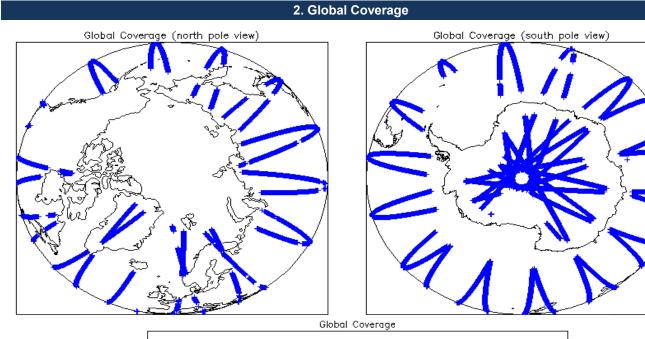


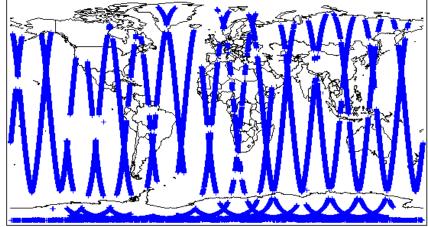
IDEAS+ Daily Report for NRT data:

<u>24/01/2015</u>

Report Production Date:	26-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 and 6.8

Mission / Instru	Mission / Instrument News				
23-Jan-2015	None				
24-Jan-2015	None				
25-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

4.3 L1 CAL Auxiliary Data File Usage Check							
Each product is checked for missing Data Set Descriptors wrt a pre-determined 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 (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	5. Level 1B FDM Data Quality Check						
5.1 L1B FDM 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: 0							
5.2 L1B FDM Product Header Analysis							
For all products, a series of pre-defined checks are carried out on the MPH and SP	H in order to identify any inconsistencies ar	nd/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 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 flagged by the ground-statio	n processing chain as missing or containin	a 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 Number of products with errors: 4	measurement record. The bit value of this	flag indicates any problems when set.					
	Test Failed	Description					
Product CS_OFFL_SIR_FDM_1B_20150124T110154_20150124T110508_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected					
CS_OFFL_SIR_FDM_1B_20150124T124125_20150124T124219_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_FDM_1B_20150124T142053_20150124T142125_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_FDM_1B_20150124T174406_20150124T174726_B001	Attitude correction missing	The attitude has not been corrected					
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 beader file (H	DR) and a binary product file (DBI)					
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 SP							
Currently there is a high number of processing error flags set within the Level 2 FDN #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They a	re set by the FDM processor when an erro	r is detected during the L2 processing and also when the percentage of					
Data Set Records free of processing errors is below the minimum acceptable thresh	hold 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 Usage Check							
Each product is checked for missing Data Set Descriptors 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							
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 containing	g 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 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: 4							
Product	Test Failed	Description					
CS_OFFL_SIR_FDM_220150124T110154_20150124T110508_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_FDM_220150124T124125_20150124T124219_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_FDM_220150124T142053_20150124T142125_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_FDM_220150124T174406_20150124T174726_B001	Attitude correction missing	The attitude has not been corrected					

6.6 L2 FDM Range Measurement Flags

Each product is checked to detect range measurement	nts flagged by the processing chain as missing or containing errors.

Number of products with errors	2	

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150124T112735_20150124T113951_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_220150124T142836_20150124T142859_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: 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.

0

All

9

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150124T003550_20150124T010942_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_220150124T053329_20150124T055119_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_220150124T064617_20150124T065754_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_220150124T071247_20150124T072747_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_220150124T081448_20150124T081924_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_220150124T112735_20150124T113951_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_220150124T142836_20150124T142859_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_220150124T145247_20150124T151455_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_220150124T180218_20150124T181520_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	171	0	0	0	0
SIR_FDM_2	170	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: