

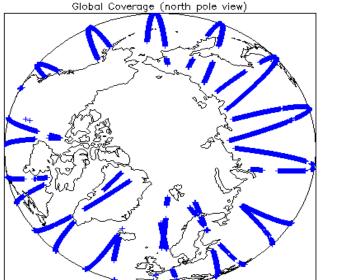
# IDEAS+ Daily Report for NRT data:

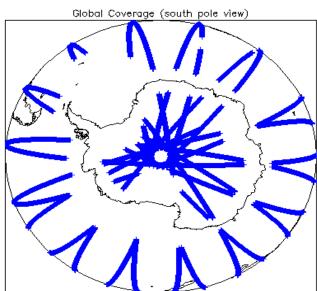
# <u>05/01/2015</u>

Report Production Date:	07-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	

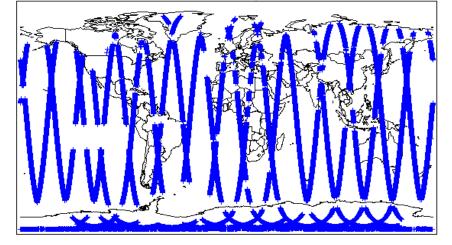
04-Jan-2015	None
05-Jan-2015	None
06-Jan-2015	Nothing planned

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-det	ermined 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 w	ord (field 11) for each measurement record. Th	e bit value of this flag indicates any problems when set
Number of products with errors:         0		
5	. Level 1B FDM Data Qualit	ty Check
5.1 L1B FDM Product Format Check		
	und to another it consists of both on VMI, boods	a file ( LIDD) and a biser construct file ( DDI )
Each product, retrieved and unpacked from the science server, is check Number of products with errors: 0	ted to ensure it consists of both an XML heade	nile (.HDR) and a binary product file (.DBL).
5.2 L1B FDM Product Header Analysis		
· · · · · · · · · · · · · · · · · · ·	IDU and CDU in order to identify any inconsist	nsion and/or amore raised by the ground compart processing chain
For all products, a series of pre-defined checks are carried out on the M Number of products with errors: 0		ncies anotor errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-det	ermined baseline and also to check the validity	of Auxiliary 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 gi	round-station processing chain as missing or c	
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 1 Number of products with errors: 7	4) for each measurement record. The bit value	e of this flag indicates any problems when set.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150105T121156_20150105T121729_B007	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T135356_20150105T135458_B007	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T153301_20150105T153427_B001	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T171404_20150105T171613_B00	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T171613_20150105T171701_B00	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T173037_20150105T173130_B00	1 Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150105T173455_20150105T180654_B00	1 Attitude correction missing	The attitude has not been corrected
	6. Level 2 FDM Data Quality	y Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is check	ked to ensure it consists of both an XML heade	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 M	IPH and SPH in order to identify any inconsiste	ncies and/or errors raised by the processing chain.
	#33). They are set by the FDM processor when	roc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field an error is detected during the L2 processing and also when the percentage of ntly 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-det	ermined 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		
5		

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

0

Number of products with errors:

#### 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: 7		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150105T121156_20150105T121729_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T135356_20150105T135458_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T153301_20150105T153427_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T171404_20150105T171613_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T171613_20150105T171701_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T173037_20150105T173130_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150105T173455_20150105T180654_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_220150105T035236_20150105T040221_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_220150105T075908_20150105T081010_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_220150105T092738_20150105T095139_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.

Number of products with errors: 6		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150105T035236_20150105T040221_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_220150105T075908_20150105T081010_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_220150105T092738_20150105T095139_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_220150105T193016_20150105T194551_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_220150105T215549_20150105T220527_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_220150105T230118_20150105T230443_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	180	0	0	0	0
SIR_FDM_2	178	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with errors:		0			
7.2 Missing QCC Reports					
Number of products with missing QC	CC reports: A	JI			