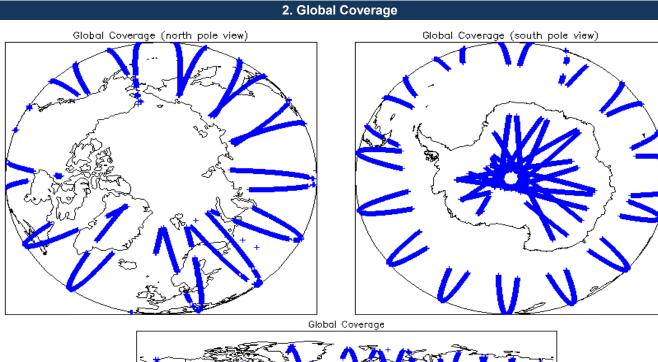


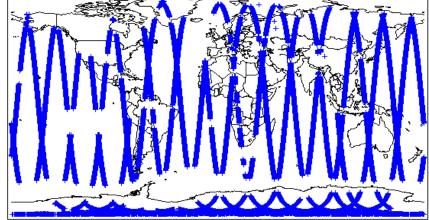
# IDEAS+ Daily Report for NRT data:

## <u>09/07/2015</u>

Report Production Date:	10-Jul-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	
Data Useu.	(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	

Mission / Instru	ssion / Instrument News			
08-Jul-2015	None			
09-Jul-2015	None			
10-Jul-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-determine	d 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	ld 11) for each measurement record. The	e bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Le	vel 1B FDM Data Qualit	y Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ansura it consists of both an XML beade	r file ( HDR) and a binany product file ( DRI )
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	d SPH in order to identify any inconsister	ncies 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-determine	d baseline and also to check the validity	of Auxiliary Data Files is correct.
Number of products with errors: 0	·····,	
E 4 L 4R EDM Compation Emer Floor		
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-s	station processing chain as missing or co	ontaining errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for e	each measurement record. The bit value	of this flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FDM products are missing Att releases.	itude Correction as star tracker data are	not available in time for processing. This is a known issue and will be fixed in future
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150709T024145_20150709T024509_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150709T041434_20150709T041911_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150709T042116_20150709T042212_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150709T060047_20150709T060109_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150709T123047_20150709T123905_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6. Le	evel 2 FDM Data Quality	v Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to a	ensure it consists of both an XML header	r file (.HDR) and a binary product file (.DBL)
Number of products with errors: 0		
6.2.1.2 EDM Draduct Header Analysia		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH an	d SPH in order to identify any inconsister	ncies and/or errors raised by the processing chain.
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-on Number of products with errors: 0	station processing chain as missing or co	ontaining errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurem	nent record. The bit value of this flag is a	n assessment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C all FDM products are missing Att releases.	itude Correction as star tracker data are	not available in time for processing. This is a known issue and will be fixed in future
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150709T024145_20150709T024509_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150709T041434_20150709T041911_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150709T042116_20150709T042212_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150709T060047_20150709T060109_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150709T123047_20150709T123905_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

Each product is checked to detect range measurements flagged by the proces	ssing chain as missing or containing errors				
Number of products with errors: 1					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220150709T042300_20150709T042727_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 Flag	gs				
Each product is checked to detect parameters related to SWH and sigma0 that	•	aissing or containing errors			
Number of products with errors: 1					
Product	Test Failed	Description			
Product CS_OFFL_SIR_FDM_220150709T030830_20150709T031946_C001	Test Failed OCOG Backscatter Status Flag	The master fail flag is set by the CFI call, for one or more records,			
CS_OFFL_SIR_FDM_220150709T030830_20150709T031946_C001		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			
CS_OFFL_SIR_FDM_2_20150709T030830_20150709T031946_C001 6.8 L2 FDM Geophysical Measurement Flags	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.			
CS_OFFL_SIR_FDM_2_20150709T030830_20150709T031946_C001 6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the	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.			
CS_OFFL_SIR_FDM_220150709T030830_20150709T031946_C001 6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the	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.			
CS_OFFL_SIR_FDM_220150709T030830_20150709T031946_C001  6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the Number of products with errors: 4	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.			
CS_OFFL_SIR_FDM_2_20150709T030830_20150709T031946_C001 6.8 L2 FDM Geophysical Measurement Flags Each product is checked to detect geophysical measurements flagged by the	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.			

CS\_OFFL\_SIR\_FDM\_2\_\_20150709T175255\_20150709T175807\_C001

CS\_OFFL\_SIR\_FDM\_2\_\_20150709T093602\_20150709T095703\_C001

7. QCC Check

Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.

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.

Ocean Retracking Quality Flag

Ocean Retracking Quality Flag

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	137	0	0	0	0
SIR_FDM_2	136	0	0	0	0
7.1 QCC Errors					

0

All

Number of QCC reports with errors:

## 7.2 Missing QCC Reports

Number of products with missing QCC reports: