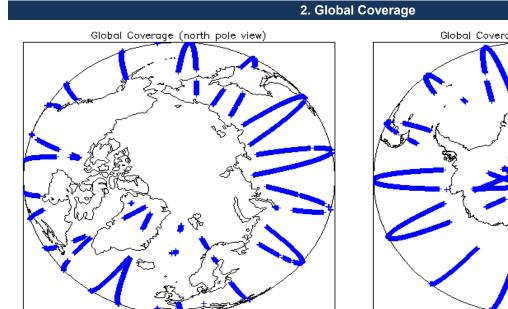


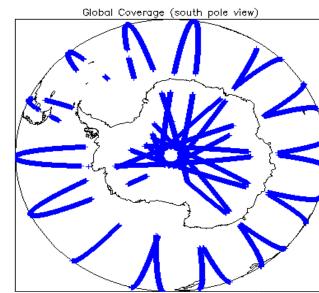
IDEAS+ Daily Report for NRT data:

<u>16/03/2015</u>

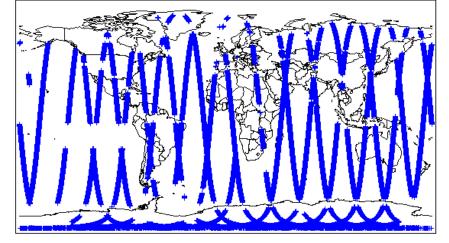
Report Production Date:	23-Mar-2015	Check	Status	
Report Production Date.	25-Wai-2015	Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format 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	ument News
15-Mar-2015	None
16-Mar-2015	SIRAL unavailability on 16-March-2015 from 21:46:10 to 23:54:24 due to a planned orbit manoeuvre.
17-Mar-2015	Nothing planned





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 & 2

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	ed baseline and also to check the validity	y 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 (fi	eld 11) for each measurement record. T	he bit value of this flag indicates any problems when set.
Number of products with errors: 0		······································
5 0	evel 1B FDM Data Quali	ty Chack
	evel TD FDW Data Quali	IY 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 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	nd SPH in order to identify any inconsiste	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-determine	ed baseline and also to check the validity	v of Auxiliary Data Files is correct
Number of products with errors: 0		, , <u></u>
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground	-station 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 measurement record. The bit value	e of this flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150316T073553_20150316T073604_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150316T091204_20150316T091217_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150316T104838_20150316T105011_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150316T133633_20150316T141231_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150316T170227_20150316T170529_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6. L	evel 2 FDM Data Quality	y Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML head	er file (HDR) and a binary product file (.DBL)
Number of products with errors: 0		
6.2.1.2 EDM Broduct Header Analysia		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and		
	They are set by the FDM processor when	Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field n an error is detected during the L2 processing and also when the percentage of ently 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-determine	ed baseline 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 o	containing errors.
Number of products with errors: 0		-
6.5 L2 FDM Measurement Confidence Flags		
	ment record. The hit value of this flort in	an assessment of the measurement quality by the proceeding above
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measure: Number of products with errors: 5 5	ment record. The bit value of this lidg is a	an account of the measurement quality by the processing Chain.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150316T073553_20150316T073604_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150316T091204_20150316T091217_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150316T104838_20150316T105011_B001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_FDM_2__20150316T133633_20150316T141231_B001 CS_OFFL_SIR_FDM_2__20150316T170227_20150316T170529_B001

Attitude correction missing The attitude has not been corrected Echo error The Echo Rx1 Error flag is set, indicating a degraded raw echo

Each product is checked to detec	t range measurements flagged by	y the processing chain as missing	or containing errors.			
lumber of products with errors	s: 1					
Product		Test Failed		Description		
CS_OFFL_SIR_FDM_2201503	DFFL_SIR_FDM_220150316T143047_20150316T143948_B001		ed Range Flag	The master fail flag is set by the OCOG call, for c indicating the values stored in fields #18, #19, #2 ignored for these records.		
6.7 L2 FDM SWH and I	Backscatter Measurem	ent Flags				
ach product is checked to detec	t parameters related to SWH and	I sigma0 that are flagged by the pr	rocessing chain as mi	ssing or containing erro	ors.	
Number of products with errors			-			
5.8 L2 FDM Geophysic	al Measurement Flags	;				
Each product is checked to detect	t geophysical measurements flag	ged by the processing chain as m	issing or containing e	rrors.		
Number of products with errors	s: 6					
Product		Test Failed		Description		
				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_2201503	316T034145_20150316T035731_	B001 Ocean Retracki	ng Quality Flag			
	316T034145_20150316T035731_ 316T043614_20150316T044816_			Retracker was no The Ocean Retraction	t successfully executed cking Quality Flag is set	
CS_OFFL_SIR_FDM_220150		B001 Ocean Retracki	ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records.
CS_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_	B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean
CS_OFFL_SIR_FDM_220150; CS_OFFL_SIR_FDM_220150; CS_OFFL_SIR_FDM_220150;	316T043614_20150316T044816_ 316T062308_20150316T062942_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean
CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_ 316T062308_20150316T062942_ 316T093223_20150316T094810_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean for one or more records. indicating the CFI Ocean
CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_ 316T062308_20150316T062942_ 316T093223_20150316T094810_ 316T143047_20150316T143948_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records. indicating the CFI Ocean for one or more records.
SS_OFFL_SIR_FDM_2201503 SS_OFFL_SIR_FDM_2201503 SS_OFFL_SIR_FDM_2201503 SS_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_ 316T062308_20150316T062942_ 316T093223_20150316T094810_ 316T143047_20150316T143948_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag	Retracker was no The Ocean Retra Retracker was no The Ocean Retra	t successfully executed cking Quality Flag is set t successfully executed cking Quality Flag is set	for one or more records. indicating the CFI Ocean for one or more records.
2S_OFFL_SIR_FDM_2201503 2S_OFFL_SIR_FDM_2201503 2S_OFFL_SIR_FDM_2201503 2S_OFFL_SIR_FDM_2201503 2S_OFFL_SIR_FDM_2201503 2S_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_ 316T062308_20150316T062942_ 316T093223_20150316T094810_ 316T143047_20150316T143948_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag Check	Retracker was no The Ocean Retra Retracker was no	t successfully executed cking Quality Flag is set t successfully executed	for one or more records. indicating the CFI Ocean for one or more records.
CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503 CS_OFFL_SIR_FDM_2201503	316T043614_20150316T044816_ 316T062308_20150316T062942_ 316T093223_20150316T094810_ 316T143047_20150316T143948_ 316T162550_20150316T164127_	B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki B001 Ocean Retracki	ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag ng Quality Flag Check	d LTA processing facili	t successfully executed cking Quality Flag is set t successfully executed	for one or more records. indicating the CFI Ocean for one or more records.

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports:

0

All