

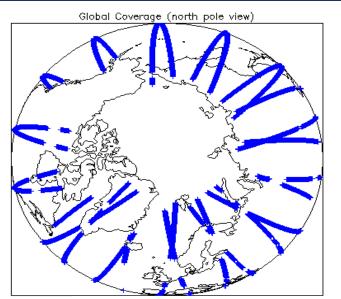
IDEAS+ Daily Report for NRT data:

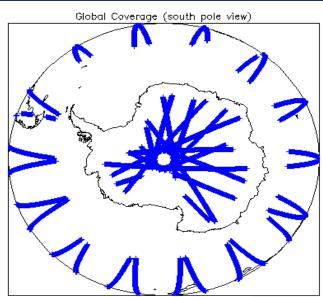
<u>10/10/2014</u>

Report Production Date:	13-Oct-2014	Check	Status	
	13-001-2014	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	

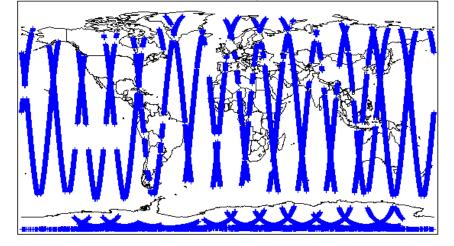
Mission / Instrument News		
09-Oct-2014	SIRAL unavailability on 09-October-2014 from 04:18:48 to 07:44:08 due to a planned orbit manoeuvre.	
10-Oct-2014	None	
11-Oct-2014	Nothing planned	







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

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

Each product is checked for missing Data Set Descriptors wrt a pre-determine	ed 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	eld 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	ensure it consists of both an XML header	r 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 ar	nd 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		
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing or co	ontaining errors.
Number of products with errors: 0		
5.5.1.1B EDM Moasurement Confidence Flags		
5.5 L1B FDM Measurement Confidence Flags	and manufament record. The hit value	of this flog indicates any problems when set
CryoSat L1B data includes a measurement confidence flag word (field 14) for Number of products with errors: 6	each measurement record. The bit value	or this hay indicates any problems when set.
	T	Becauteday
Product CS_OFFL_SIR_FDM_1B_20141010T030154_20141010T031909_B001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20141010T083837_20141010T084016_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20141010T162736_20141010T163250_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20141010T180912_20141010T181015_B001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20141010T194818 20141010T194938 B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20141010T213032_20141010T213120_B001	Attitude correction missing	The attitude has not been corrected
6 1	evel 2 FDM Data Quality	Chock
	ever 2 i Divi Data Quality	
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 header	r 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 MPH ar	nd SPH in order to identify any inconsister	ncies and/or errors raised by the processing chain.

This issue is under investigation.

Number of products with errors:

6.3 L2 FDM 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:

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 containing errors.

0

0

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: 6			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220141010T030154_20141010T031909_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo	
CS_OFFL_SIR_FDM_220141010T083837_20141010T084016_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo	
CS_OFFL_SIR_FDM_220141010T162736_20141010T163250_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_220141010T180912_20141010T181015_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_220141010T194818_20141010T194938_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_220141010T213032_20141010T213120_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_220141010T074410_20141010T080505_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_220141010T085542_20141010T090530_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_220141010T232645_20141010T234325_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.

All

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141010T052000_20141010T054136_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_220141010T074410_20141010T080505_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_220141010T084049_20141010T085355_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_220141010T085542_20141010T090530_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_220141010T111835_20141010T113906_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_220141010T134251_20141010T140536_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_220141010T175534_20141010T180408_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	142	0	0	0	0
SIR_FDM_2	142	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 QCC reports: