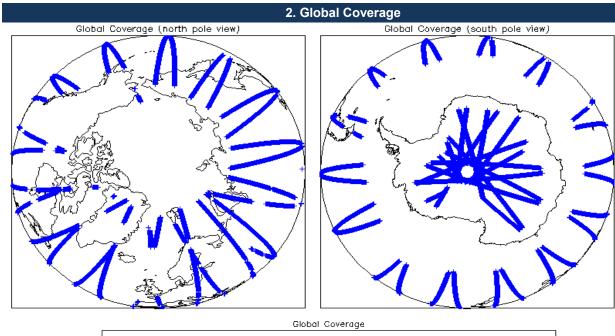
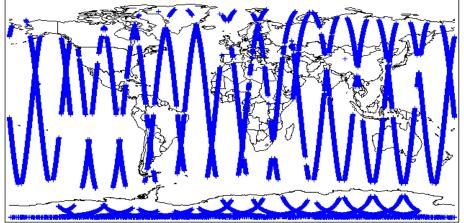
CRVDSAT	IDEAS Daily Report for NR	<u>T data:</u> <u>24-Sep-2</u>	2013	IDEAS Y	
		1. Overview			
		Check		Status	
		Server check: science-pds.c	cryosat.esa.int	Nominal	
		Server check: calval-pds.cr	ryosat.esa.int	Nominal	
		Product Software C	Check	Nominal	
Banart Braduation D	27 Son 2012	Product Format Ch	neck	Nominal	
Report Production D	Date: 27-Sep-2013	Product Header Ana	alysis	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine	Auxiliary Data File U	Jsage	Nominal	
Data Used:	Mode (FDM), and CAL Data	Correction Error FI	lags	Nominal	
		Measurement Confiden	nce Flags	See Sections 5.5, 6.5, 6.6 and 6.8	
Mission / Instrument New	/S				
23-Sep-2013 None					
24-Sep-2013 None					
25-Sep-2013 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 & 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.

Number of products with errors:

0

CALL DIDUDUDINS COPORED TO EDISSION DATA SET DESCRIPTORS WIT 3 PROJECTORINA F	populing and also to obself the validity of Armi	iany Data Filos is correct
Each product is checked for missing Data Set Descriptors wrt a pre-determined b Number of products with errors: 0	baseline and also to check the validity of Auxi	lary Data Files is correct.
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 va	lue of this flag indicates any problems when set.
Number of products with errors: 0		
5. Level	1B FDM Data Quality Che	ck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ens	sure it consists of both an XML header file (.H	DR) 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 S Number of products with errors: 0	SPH in order to identify any inconsistencies a	d/or 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-determined b	baseline and also to check the validity of Auxi	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-sta	ation processing chain as missing or containin	g 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 ea	ch measurement record. The bit value of this	flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20130924T101556_20130924T101606_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T103142_20130924T103531_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw ec
	Attitude correction mission	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T115208_20130924T115219_B001	Attitude correction missing	The allitude has not been corrected
	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001		
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ense Number of products with errors: 0	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 L2 FDM Product Header Analysis	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Checo sure it consists of both an XML header file (.H	The attitude has not been corrected The attitude has not been corrected k DR) and a binary product file (.DBL)
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001 6. Leve 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens 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 S Currently there is a high number of processing error flags set within the Level 2 F ield #29) and also within the L2 Product files (MPH field #35 and SPH field #33).	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Checo sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag They are set by the FDM processor when ar	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attitude has not been corrected attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Checo sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag They are set by the FDM processor when ar	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attitude has not been corrected (NPH field #19 and Si error is detected during the L2 processing and also when the
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Checo sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag They are set by the FDM processor when ar	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attitude has not been corrected attitude has not been corrected
6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens 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 S Currently there is a high number of processing error flags set within the Level 2 F Field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). percentage of Data Set Records free of processing errors is below the minimum of this issue is under investigation.	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Checo sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag They are set by the FDM processor when ar	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attitude has not been corrected (NPH field #19 and Si error is detected during the L2 processing and also when the
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Check sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag. They are set by the FDM processor when ar acceptable threshold set within the processor	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attice flags are set within L2 Header files (MPH field #19 and SI error is detected during the L2 processing and also when the (currently set to 5%).
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Check sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag. They are set by the FDM processor when ar acceptable threshold set within the processor	The attitude has not been corrected The attitude has not been corrected K DR) and a binary product file (.DBL) nd/or errors raised by the processing chain. attice flags are set within L2 Header files (MPH field #19 and SI error is detected during the L2 processing and also when the (currently set to 5%).
CS_OFFL_SIR_FDM_1B_20130924T132841_20130924T133015_B001 CS_OFFL_SIR_FDM_1B_20130924T161948_20130924T165236_B001	Attitude correction missing Attitude correction missing I 2 FDM Data Quality Check sure it consists of both an XML header file (.H SPH in order to identify any inconsistencies at DM products (Product_Err and L2_Proc_Flag. They are set by the FDM processor when ar acceptable threshold set within the processor	The attitude has not been corrected The attitude has not been corrected

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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130924T101556_20130924T101606_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220130924T103142_20130924T103531_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo.
CS_OFFL_SIR_FDM_220130924T115208_20130924T115219_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220130924T132841_20130924T133015_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220130924T161948_20130924T165236_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.

5

Number of products with errors: 2

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130924T181434_20130924T183149_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_220130924T200834_20130924T201056_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:

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

0

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130924T021250_20130924T021811_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_220130924T071115_20130924T072820_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_220130924T181434_20130924T183149_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_220130924T200834_20130924T201056_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	143	0	0	0	0
SIR_FDM_2	146	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: