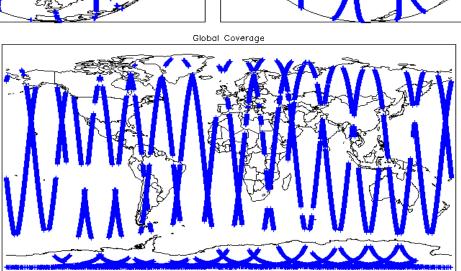
	EAS Daily Report for NRT	<u>data:</u> <u>26-Sep-2013</u>	IDEAS Y
		1. Overview	
		Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
		Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Report Production Date:	27-Sep-2013	Product Format Check	Nominal
Report Production Date.	27-Sep-2013	Product Header Analysis	Nominal
Data Used:	L1 and L2 Fast Delivery Marine	Auxiliary Data File Usage	Nominal
Data Useu.	Mode (FDM), and CAL Data	Correction Error Flags	Nominal
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6 and 6.8
Mission / Instrument News			
25-Sep-2013 None			
26-Sep-2013 None			
27-Sep-2013 Nothing plann	ed		

Clobal Coverage (south pole view)



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.

Number of products with errors:

0

4.3 L1 CAL Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline an Number of products with errors: 0	d also to check the validity of Auxiliary D	ata Files is correct.		
4.4 L1 CAL Measurement Confidence Flags				
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for eac Number of products with errors: 0		this flag indicates any problems when set.		
5. Level 1B FD	M Data Quality Check			
5.1 L1B FDM Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensure it cons Number of products with errors: 0	ists of both an XML header file (.HDR) a	nd a binary product file (.DBL).		
5.2 L1B FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and SPH in orde Number of products with errors: 0	er to identify any inconsistencies and/or e	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 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 proces Number of products with errors: 0	ssing chain as missing or containing erro	rs.		
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 of this flag indicates any problems when set. Number of products with errors: 3				
Product CS_OFFL_SIR_FDM_1B_20130926T101329_20130926T101332_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected		
	Attitude correction missing	The attitude has not been corrected		
CS_OFFL_SIR_FDM_1B_20130926T114942_20130926T114948_B001 CS_OFFL_SIR_FDM_1B_20130926T164257_20130926T165019_B001	Attitude correction missing	The attitude has not been corrected		
00_011E_01(_1.040_10_201003201104201_201003201100013_0001	Autude concelion missing			
6. Level 2 FDI	M Data Quality Check			
6.1 L2 FDM Product Format Check				
Each product retrieved and uppacked from the science server, is checked to ensure it cons	sists of both an XML beader file (HDR) a	nd a binary product file (DBI)		
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: 0				
6.2 L2 FDM Product Header Analysis				
For all products, a series of pre-defined checks are carried out on the MPH and SPH in orde				
Currently there is a high number of processing error flags set within the Level 2 FDM products (Product_Err and L2_Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are set by the FDM processor when an error is detected during the L2 processing and also when the percentage of Data Set Records free of processing errors is below the minimum acceptable threshold set within the processor (currently 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-determined 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-station proces	ssing chain as missing or containing erro	rs		
Number of products with errors: 0				
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: 4				
Product CS_OFFL_SIR_FDM_220130926T101329_20130926T101332_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected		
CS_OFFL_SIR_FDM_220130926T114942_20130926T114948_B001	Attitude correction missing	The attitude has not been corrected		

 CS_OFFL_SIR_FDM_2_20130926T164257_20130926T165019_B001
 Attitude correction missing
 The attitude has not been corrected

 CS_OFFL_SIR_FDM_2_20130926T214728_20130926T214812_B001
 Echo error
 The Echo Rx1 Error flag is set, indicating a degraded raw echo.

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:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130926T035912_20130926T042213_B001		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_220130926T074206_20130926T074317_B001		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_220130926T125811_20130926T130258_B001		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_220130926T172205_20130926T173852_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_220130926T225139_20130926T230233_B001		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. 0 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. 12

0

All

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130926T020706_20130926T020932_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_220130926T035912_20130926T042213_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_220130926T062019_20130926T063508_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_220130926T070838_20130926T072553_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_220130926T074206_20130926T074317_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_220130926T125811_20130926T130258_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_220130926T152433_20130926T155936_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_220130926T172205_20130926T173852_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_220130926T190328_20130926T191748_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_220130926T200608_20130926T200840_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_220130926T215934_20130926T220317_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_220130926T225139_20130926T230233_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.

SIR FDM 1B 136 0 0 0 0	
	0
SIR_FDM_2 140 0 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: