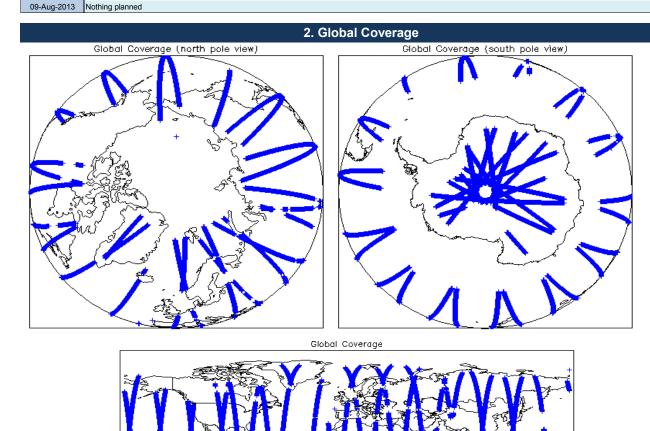
	EAS Daily Report for NRT da	<u>ta: 08-Aug-2013</u>	IDEAS Y	
300 D.S. 350 A.F.		1. Overview		
		Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
		Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
Report Production Date:	13-Aug-2013	Product Format Check	Nominal	
Report Production Date.	13-Aug-2013	Product Header Analysis	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine	Auxiliary Data File Usage	Nominal	
Data Oseu.	Mode (FDM), and CAL Data	Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6, 6.7 and 6.8	
			+	
Mission / Instrument News				
07-Aug-2013 None				
08-Aug-2013 None				
00 Aug 2012 Nothing plant	ad			



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: 0

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 [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 Number of products with errors: 0	ch measurement record. The bit value o	i 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	sists of both an XML header file (.HDR) a	and 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 orden Number of products with errors: 0	er to identify any inconsistencies and/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 baseline an Number of products with errors: 0	d also to check the validity of Auxiliary [Data Files is correct.	
5.4 L1B Correction Error Flags			
Each product is checked to detect auxiliary corrections flagged by the ground-station process Number of products with errors: 0	ssing chain as missing or containing erro	ors.	
5.5 L1B FDM Measurement Confidence Flags			
CryoSat L1B data includes a measurement confidence flag word (field 14) for each measure	ement record. The bit value of this flag in	ndicates any problems when set.	
Number of products with errors: 4			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_1B_20130808T115807_20130808T120115_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo.	
CS_OFFL_SIR_FDM_1B_20130808T133644_20130808T134018_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20130808T151637_20130808T151735_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFFL_SIR_FDM_1B_20130808T165549_20130808T165653_B001	Attitude correction missing	The attitude has not been corrected	
6. Level 2 FDI	M Data Quality Check		
6.1 L2 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	sists of doth an XML header file (.HDR) a	and a binary product file (.DBL)	
C 2 L 2 FDM Deschust Lie sder Analysis			
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 order	er to identify any inconsistencies and/or	errors raised by the processing chain.	
Currently there is a high number of processing error flags set within the Level 2 FDM produc field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are a percentage of Data Set Records free of processing errors is below the minimum acceptable	set by the FDM processor when an error	is detected during the L2 processing and also when the	
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 an Number of products with errors: 0	d also to check the validity of Auxiliary [Data Files is correct.	
6.4 L2 FDM 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	ors.	
6.5 L2 FDM Measurement Confidence Flags			
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. 1	The bit value of this flag is an assessme	nt of the measurement quality by the processing chain.	
Number of products with errors: 4			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220130808T115807_20130808T120115_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo.	
CS_OFFL_SIR_FDM_220130808T133644_20130808T134018_B001	Attitude correction missing	The attitude has not been corrected	
CS_OFEL_SIR_EDM_220130808T151637_20130808T151735_B001	Attitude correction missing	The attitude has not been corrected	

CS_OFFL_SIR_FDM_2__20130808T165549_20130808T165653_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.			
Number of products with errors: 2			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220130808T011249_20130808T011607_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_220130808T140050_20130808T141513_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: 1

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130808T121848_20130808T123559_B001	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.

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. 9

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220130808T011249_20130808T011607_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_220130808T023000_20130808T024913_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_220130808T031234_20130808T034453_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_220130808T065910_20130808T070654_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_220130808T140050_20130808T141513_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_220130808T151140_20130808T151349_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_220130808T163325_20130808T164117_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_220130808T190343_20130808T192813_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_220130808T231822_20130808T233756_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	139	138	95	43	0
SIR_FDM_2	134	138	0	138	0
7.1 QCC Errors					
lumber of QCC reports with errors:	0				
7.2 Missing QCC Reports					
Number of products with missing QCC repo	orts: 0				