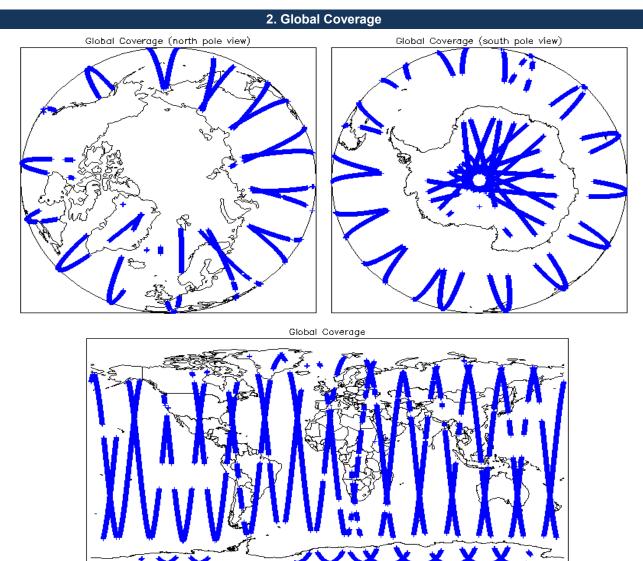


IDEAS+ Daily Report for NRT data:

05/07/2014

Report Production Date:	07-Jul-2014 -	Check	Status
		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			
04-Jul-2014	None		
05-Jul-2014	None		
06-Jul-2014	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. 0

4.3 L1 CAL Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Auxi	liary Data Files is correct.				
Number of products with errors: 0						
4.4 L1 CAL Measurement Confidence Flags						
4.4 LT CAL Measurement Connuence Plays						
	CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set.					
Number of products with errors: 0						
5. Level	1B FDM Data Quality Ch	leck				
5.1 L1B FDM Product Format Check	· · · · · · · · · · · · · · · · · · ·					
5.1 LTB FDM 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						
5.2 L1B FDM Product Header Analysis						
For all products, a series of pre-defined checks are carried out on the MPH and SP	H in order to identify any inconsistencies a	nd/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-determined bas	seline and also to check the validity of Auxi	liary Data Files is correct.				
Number of products with errors: 0						
5.4 L1B Correction Error Flags						
•	n processing chain as missing or containin					
Each product is checked to detect auxiliary corrections flagged by the ground-static Number of products with errors: 0	in processing chain as missing or containin	g errors.				
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: 5						
Product	Test Failed	Description				
CS_OFFL_SIR_FDM_1B_20140705T021649_20140705T025017_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_1B_20140705T055339_20140705T060446_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo				
CS_OFFL_SIR_FDM_1B_20140705T072852_20140705T074606_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo				
CS_OFFL_SIR_FDM_1B_20140705T205656_20140705T210023_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_1B_20140705T223627_20140705T223726_B001	Echo error, Attitude correction missing	The Echo Rx1 Error flag is set, indicating a degraded raw echo. The attitude has not been corrected				
6. Leve	I 2 FDM Data Quality Che	eck				
6.1 L2 FDM Product Format Check						
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.F	IDR) 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 SP	H in order to identify any inconsistencies a	nd/or errors raised by the processing chain.				
Currently there is a high number of processing error flags set within the Level 2 FDI #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They a Data Set Records free of processing errors is below the minimum acceptable thres	are set by the FDM processor when an error	or is detected during the L2 processing and also when the percentage of				
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 bas	poline and also to shock the validity of Auvi	lian. Data Eilaa ja aarraat				
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-static	n processing chain as missing or containin	g errors.				
Number of products with errors: 0						
6.5 L2 FDM Measurement Confidence Flags						
• •	rement record. The hit value of this flor is	an assessment of the measurement quality by the pressessing shein				
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measu Number of products with errors: 5	irement record. The bit value of this hag is a	an assessment of the measurement quality by the processing chain.				
· ·						
Product	Test Failed	Description The attitude has not been corrected				
CS_OFFL_SIR_FDM_220140705T021649_20140705T025017_B001	Attitude correction missing	The attitude has not been corrected				
CS_OFFL_SIR_FDM_220140705T055339_20140705T060446_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo				

 CS_OFFL_SIR_FDM_2_20140705T072852_20140705T074606_B001
 Echo error
 The Echo Rx1 Error flag is set, indicating a degraded raw echo

 CS_OFFL_SIR_FDM_2_20140705T205656_20140705T210023_B001
 Attitude correction missing
 The attitude has not been corrected

 CS_OFFL_SIR_FDM_2_20140705T223627_20140705T223726_B001
 Echo error, Attitude correction missing
 The Echo Rx1 Error flag is set, indicating a degraded raw echo. 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.

4

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140705T053425_20140705T053712_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_220140705T115018_20140705T115139_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_220140705T184807_20140705T191026_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_220140705T223811_20140705T224236_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.

0

All

7

Number o	f products with e	errors:
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Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140705T053425_20140705T053712_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_220140705T094941_20140705T095553_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_220140705T112834_20140705T113053_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_220140705T115018_20140705T115139_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_220140705T184807_20140705T191026_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_220140705T202930_20140705T205235_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_220140705T223811_20140705T224236_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	146	0	0	0	0
SIR_FDM_2	145	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: