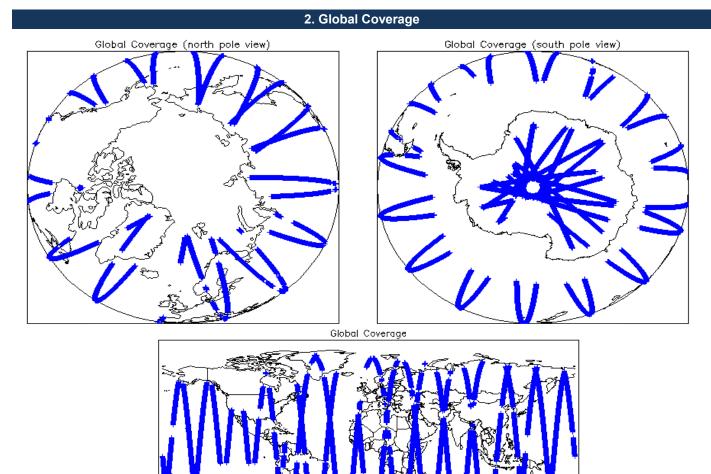


IDEAS+ Daily Report for NRT data:

<u>05/07/2015</u>

Report Production Date:	06-Jul-2015	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	
Data Useu.	(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, 6.7 and 6.8	

Mission / Instrument News					
04-Jul-2015	None				
05-Jul-2015	None				
06-Jul-2015	Nothing planned				



3.	Instrument	Conf	igurat	ion

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

4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined ba Number of products with errors: 0	aseline and also to check the validity of Auxi	liary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 1 Number of products with errors: 0	1) for each measurement record. The bit va	lue of this flag indicates any problems when set.
5. Leve	I 1B FDM Data Quality Ch	neck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	ure it consists of both an XML header file (.h	IDR) 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 SI Number of products with errors: 0	PH in order to identify any inconsistencies a	nd/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 ba	aseline and also to check the validity of Aux	liary Data Files is correct
Number of products with errors: 0		
5 4 L 1B EDM Correction Error Flags		
5.4 L1B FDM Correction Error Flags	· · · · · · ·	
Each product is checked to detect auxiliary corrections flagged by the ground-station Number of products with errors: 0	ion processing chain as missing or containir	ig errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for each	h measurement record. The bit value of this	flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FDM products are missing Attitude releases.	e Correction as star tracker data are not ava	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150705T024334_20150705T025015_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150705T042603_20150705T042711_C001 CS_OFFL_SIR_FDM_1B_20150705T060540_20150705T060600_C001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_201507051060540_2015070510606000_C001 CS_OFFL_SIR_FDM_1B_20150705T092922_20150705T093046_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150705T111947_20150705T112825_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	el 2 FDM Data Quality Ch	
6.1 L2 FDM Product Format Check		
	·····	
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	ure it consists of both an XML header file (.F	IDR) and a binary product file (.DBL)
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and SI	PH in order to identify any inconsistencies a	nd/or errors raised by the processing chain.
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 ba	asolino and also to check the validity of Auvi	lian/ 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 Number of products with errors: 0	ion processing chain as missing or containin	ig 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 asse	ssment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C all FDM products are missing Attitude releases.	e Correction as star tracker data are not ava	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150705T024334_20150705T025015_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150705T042603_20150705T042711_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150705T060540_20150705T060600_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_2_20150705T092922_20150705T093046_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150705T111947_20150705T112825_C001	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. Number of products with errors: 3 Product Description CS_OFFL_SIR_FDM_2_20150705T055935_20150705T060153_C001 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 ignore for these records. The master fail flag is set by the OCOG call, for one or more records. The master fail flag is set by the OCOG call, for one or more records. The master fail flag is set by the OCOG call, for one or more records.

CS_OFFL_SIR_FDM_2_20150705T135007_20150705T140125_C001
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_220150705T094055_20150705T095531_C001	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.

OCOG Retracked Range Flag

indicating the values stored in fields #18, #19, #20 and #21 should be

ignored for these records.

6.8 L2 FDM Geophysical Measurement Flags

CS_OFFL_SIR_FDM_2__20150705T062533_20150705T063451_C001

Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors. Number of products with errors: 4

0

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150705T055935_20150705T060153_C001		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_220150705T062533_20150705T063451_C001	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_220150705T113001_20150705T114032_C001		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_220150705T135007_20150705T140125_C001	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	138	0	0	0	0
SIR_FDM_2	138	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: All