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The NStED Periodogram Service and Interface for Public CoRoT Data

K. von Braun, M. Abajian, A. Beekley, G. B. Berriman, G. Bryden, B. Chan, D. R. Ciardi, J. Good, M. Harbut, S. R. Kane, A. Laity, C. Lau, M. Lynn, D. McElroy, P. Plavchan, M. Regelson, R. Rey, S. V. Ramirez, J. Stauffer, A. Zhang (NASA Exoplanet Science Institute, Infrared Processing and Analysis Center, California Institute of Technology)

(Submitted on 11 Jul 2011)

As part of the NASA-CNES agreement, the NASA Star and Exoplanet Database (NStED) serves as the official US portal for the public CoRoT data products. NStED is a general purpose archive with the aim of providing support for NASA's planet finding and characterization goals. Consequently, the NASA Exoplanet Science Institute (NExScI) developed, and NStED adapted, a periodogram service for CoRoT data to determine periods of variability phenomena and create phased photometric light curves. Through the NStED periodogram interface, the user may choose three different period detection algorithms to use on any photometric time series product, or even upload and analyze their own data. Additionally, the NStED periodogram is remotely accessed by the CoRoT archive as part of its interface. NStED is available at {\bf this http URL}.

Comments:	2 pages, 1 figure. To appear in "Transiting Planets, Vibrating Stars, and Their Connection", Conference Proceedings of the 2nd CoRoT Symposium, Eds: A. Baglin, M. Deleuil, E. Michel, C. Moutou
Subjects:	**Instrumentation and Methods for Astrophysics (astro-ph.IM)**; Earth and Planetary Astrophysics (astro-ph.EP)
Cite as:	**arXiv:1107.1933v1 [astro-ph.IM]**

Submission history

From: Kaspar von Braun [view email]
[v1] Mon, 11 Jul 2011 04:44:12 GMT (137kb)

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