Carlo Graziani
Curriculum Vitae

Mathematics and Computer Science Division
Argonne National Laboratory
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Education

Ph.D. in Physics
University of Chicago, 1993
Thesis: "Strong-Field Cyclotron Scattering". Study of QED resonant scattering in strong magnetic fields relevant to neutron star atmospheres.

B.Sc. in Applied Physics
Columbia University School of Engineering and Applied Science, 1985

Professional Experience

Scientist in CASE affiliated with the Department of Astronomy & Astrophysics
Joint Argonne/University of Chicago appointment — November 2018-Present

Computational Scientist
Mathematics and Computer Science Division,
Argonne National Laboratory — November 2017-Present

Research Associate Professor
Department of Astronomy & Astrophysics,
University of Chicago — March 2017-October2017

Senior Research Associate
Department of Astronomy & Astrophysics,
University of Chicago — March 2002-March 2017

Senior Research Associate
Flash Center for Computational Science,
University of Chicago — June 2007-2014

Science Team Member
High-Energy Transient Explorer (HETE) — 1994-2007

Research Scientist
Department of Astronomy & Astrophysics,
University of Chicago — March 1999-February 2002

Research Associate
Enrico Fermi Institute,
University of Chicago — February 1996-February 1999

NRC/NASA Research Associate
Goddard Space Flight Center — October 1993-January 1996

Postdoctoral Research Associate
University of Chicago — June-September 1993

Graduate Research Assistant
University of Chicago — 1986-92

Graduate Research Assistant
Los Alamos National Laboratory — June-August 1989, December 1989

Intern
Argonne National Laboratory — June-August 1984

Intern
UCLA Tokamak Lab — June-August 1983

Honors and Awards

National Research Council/NASA Research Associate, 1993-95

NASA Graduate Student Researchers Program Fellow, 1990-93

Gregor Wentzel Prize for excellence in graduate student teaching, University of Chicago, 1986

Grant Funding Awards

Co-Principal Investigator, NSF Award AST-1908551, "Collaborative Research: Extreme-scale Ready High-order Methods for Astrophysical and Laboratory Turbulence," $495,000 award from August 2019 to July 2022.

Principal Investigator, LDRD Award 2019-0006, "Deep Learning for Posterior Density Emulation and Sampling," $192,000 award from October 2019 to September 2020.

Principal Investigator, LDRD Award 2019-0030, "Probabilistic Forecasting of Extreme Weather Using Deep Learning," $600,000 award from October 2019 to September 2021.

Co-Principal Investigator, NSF Award AST-0909132, "Petascale Computing of Thermonuclear Supernova Explosions," $2,242,341 award from July 2009 to June 2014 for scientific computing activity at Flash Center.

Co-Investigator, NASA Applied Information Systems Research (AISR) Award NNX09AK60G, "Quantified Uncertainty: Flexible Probabilistic Modeling of Dynamic Spectra and Other Astronomical Data," $675,000 from July 2009 to June 2012.

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Professional Activities

Major Scientific Collaborations

Flash Center for Computational Science	2007-2014
High-Energy Transient Explorer (HETE) Science Team	1994-2007

Professional Societies

Society for Industrial and Applied Mathematics
American Physical Society – Division of Plasma Physics

Proposal Review Panels

NSF Astrophysics Program, March 2011, reviews submitted remotely

NASA *Swift* Guest Investigator Program Cycle 3, October 2-3 2006, San Francisco, Ca

NASA Astrophysics Theory Program, October 6-7 1998, Washington, DC

Teaching

High-Energy Astrophysics
Dates: April-June 2016
University of Chicago Graduate course, co-taught with Angela Olinto and Vikram Dwarkadas

Introductory Statistics
Dates: June-July 2015
University of Chicago undergraduate core course

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Publications, Presentations, and Other Achievements

Refereed Journal Articles

[1] C Graziani, R Rosner, JM Adams, and RL Machete. "Probabilistic recalibration of forecasts". In: *International Journal of Forecasting* (2019). In press. DOI: 10.1016/j.ijforecast.2019.04.019.

[2] Adam Reyes, Dongwook Lee, Carlo Graziani, and Petros Tzeferacos. "A variable high-order shock-capturing finite difference method with GP-WENO". In: *Journal of Computational Physics* 381 (2019), pp. 189–217. ISSN: 0021-9991. DOI: https://doi.org/10.1016/j.jcp.2018.12.028. URL: http://www.sciencedirect.com/science/article/pii/S0021999119300099.

[3] LE Chen, AFA Bott, P Tzeferacos, A Rigby, A Bell, R Bingham, C Graziani, J Katz, M Koenig, CK Li, et al. "Stochastic transport of high-energy particles through a turbulent plasma". In: *arXiv preprint arXiv:1808.04430* (2019). Submitted to Physical Review Letters.

[4] Adam Reyes, Dongwook Lee, Carlo Graziani, and Petros Tzeferacos. "A new class of high-order methods for fluid dynamics simulations using gaussian process modeling: One-dimensional case". In: *Journal of Scientific Computing* 76.1 (2018), pp. 443–480.

[5] P Tzeferacos, A Rigby, AFA Bott, AR Bell, R Bingham, A Casner, F Cattaneo, EM Churazov, J Emig, F Fiuza, et al. "Laboratory evidence of dynamo amplification of magnetic fields in a turbulent plasma". In: *Nature communications* 9.1 (2018), p. 591.

[6] A. F. A. Bott, C. Graziani, P. Tzeferacos, T. G. White, D. Q. Lamb, G. Gregori, and A. A. Schekochihin. "Proton imaging of stochastic magnetic fields". In: *Journal of Plasma Physics* 83.6 (2017), p. 905830614. DOI: 10.1017/S0022377817000939.

[7] Carlo Graziani, Petros Tzeferacos, Donald Q Lamb, and Chikang Li. "Inferring morphology and strength of magnetic fields from proton radiographs". In: *Review of Scientific Instruments* 88.12 (2017), p. 123507.

[8] P Tzeferacos, A Rigby, A Bott, AR Bell, R Bingham, A Casner, F Cattaneo, EM Churazov, J Emig, N Flocke, et al. "Numerical modeling of laser-driven experiments aiming to demonstrate magnetic field amplification via turbulent dynamo". In: *Physics of Plasmas* 24.4 (2017), p. 041404.

[9] Carlo Graziani, Petros Tzeferacos, Dongwook Lee, Donald Q Lamb, Klaus Weide, Milad Fatenejad, and Joshua Miller. "The Biermann catastrophe in numerical magnetohydrodynamics". In: *The Astrophysical Journal* 802.1 (2015), p. 43.

[10] Amy Lien, Takanori Sakamoto, Neil Gehrels, David M Palmer, Scott D Barthelmy, Carlo Graziani, and John K Cannizzo. "Erratum:" Probing the Cosmic Gamma-Ray Burst Rate with Trigger Simulations of the Swift Burst Alert Telescope"(2014, ApJ, 783, 24)". In: *The Astrophysical Journal* 806.1 (2015), p. 276.

[11] Petros Tzeferacos, Milad Fatenejad, Norbert Flocke, Carlo Graziani, G Gregori, DQ Lamb, D Lee, J Meinecke, A Scopatz, and K Weide. "FLASH MHD simulations of experiments that study shock-generated magnetic fields". In: *High Energy Density Physics* 17.1 (2015), pp. 24–31.

[12] Emmanouil Chatzopoulos, Carlo Graziani, and Sean M Couch. "Characterizing the convective velocity fields in massive stars". In: *The Astrophysical Journal* 795.1 (2014), p. 92.

[13] Amy Lien, Takanori Sakamoto, Neil Gehrels, David M Palmer, Scott D Barthelmy, Carlo Graziani, and John K Cannizzo. "Probing the cosmic gamma-ray burst rate with trigger simulations of the swift burst alert telescope". In: *The Astrophysical Journal* 783.1 (2014), p. 24.

[14] Min Long, George C Jordan IV, Daniel R Van Rossum, Benedikt Diemer, Carlo Graziani, Richard Kessler, Bradley Meyer, Paul Rich, and Don Q Lamb. "Three-dimensional simulations of pure deflagration models for thermonuclear supernovae". In: *The Astrophysical Journal* 789.2 (2014), p. 103.

[15] Sean M Couch, Carlo Graziani, and Norbert Flocke. "An improved multipole approximation for self-gravity and its importance for core-collapse supernova simulations". In: *The Astrophysical Journal* 778.2 (2013), p. 181.

[16] Benedikt Diemer, Richard Kessler, Carlo Graziani, George C Jordan IV, Donald Q Lamb, Min Long, and Daniel R Van Rossum. "Comparing the light curves of simulated Type Ia Supernovae with observations using data-driven models". In: *The Astrophysical Journal* 773.2 (2013), p. 119.

[17] Anshu Dubey, Alan C Calder, Christopher Daley, Robert T Fisher, Carlo Graziani, George C Jordan, Donald Q Lamb, Lynn B Reid, Dean M Townsley, and Klaus Weide. "Pragmatic optimizations for better scientific utilization of large supercomputers". In: *The International Journal of High Performance Computing Applications* 27.3 (2013), pp. 360–373.

[18] Milad Fatenejad, B Fryxell, J Wohlbier, E Myra, D Lamb, C Fryer, and C Graziani. "Collaborative comparison of simulation codes for high-energy-density physics applications". In: *High Energy Density Physics* 9.1 (2013), pp. 63–66.

[19] Yeunjin Kim, GC Jordan IV, Carlo Graziani, BS Meyer, DQ Lamb, and JW Truran. "The Effect of the Pre-detonation Stellar Internal Velocity Profile on the Nucleosynthetic Yields in Type Ia Supernova". In: *The Astrophysical Journal* 771.1 (2013), p. 55.

[20] Zachary J Medin, John G Wohlbier, Christopher L Fryer, Rick M Rauenzahn, Milad Fatenejad, Don Lamb, Carlo Graziani, Bruce Fryxell, and Eric Myra. "Collaborative Comparison of High-Energy-Density Physics Codes". In: *Simulation* 900.1 (2013), p. 6.

[21] Ryan T Wollaeger, Daniel R van Rossum, Carlo Graziani, Sean M Couch, George C Jordan IV, Donald Q Lamb, and Gregory A Moses. "Radiation transport for explosive outflows: A multigroup hybrid Monte Carlo method". In: *The Astrophysical Journal Supplement Series* 209.2 (2013), p. 36.

[22] A Dubey, C Daley, J ZuHone, PM Ricker, K Weide, and C Graziani. "Imposing a Lagrangian particle framework on an Eulerian hydrodynamics infrastructure in FLASH". In: *The Astrophysical Journal Supplement Series* 201.2 (2012), p. 27.

[23] GC Jordan IV, C Graziani, RT Fisher, DM Townsley, C Meakin, K Weide, LB Reid, J Norris, R Hudson, and DQ Lamb. "The Detonation Mechanism of the Pulsationally Assisted Gravitationally Confined Detonation Model of Type Ia Supernovae". In: *The Astrophysical Journal* 759.1 (2012), p. 53.

[24] Carlo Graziani. "GRBs as standard candles: There is no "circularity problem"(and there never was)". In: *New Astronomy* 16.2 (2011), pp. 57–64.

[25] D Lee, G Xia, C Daley, A Dubey, S Gopal, C Graziani, D Lamb, and K Weide. "Progress in development of HEDP capabilities in FLASH's Unsplit Staggered Mesh MHD solver". In: *Astrophysics and Space Science* 336.1 (2011), pp. 157–162.

[26] Makoto Arimoto, Nobuyuki Kawai, Katsuaki Asano, Kevin Hurley, Motoko Suzuki, Yujin E Nakagawa, Takashi Shimokawabe, Nicolas Vasquez Pazmino, Rie Sato, Masaru Matsuoka, et al. "Spectral-lag relations in GRB pulses detected with HETE-2". In: *Publications of the Astronomical Society of Japan* 62.2 (2010), pp. 487–499.

[27] GC Jordan IV, RT Fisher, DM Townsley, AC Calder, C Graziani, S Asida, DQ Lamb, and JW Truran. "Three-dimensional simulations of the deflagration phase of the gravitationally confined detonation model of type Ia supernovae". In: *The Astrophysical Journal* 681.2 (2008), p. 1448.

[28] Yuji Shirasaki, Atsumasa Yoshida, Nobuyuki Kawai, Toru Tamagawa, Takanori Sakamoto, Motoko Suzuki, Yujin Nakagawa, Akina Kobayashi, Satoshi Sugita, Ichiro Takahashi, et al. "Multiple-Component Analysis of the Time-Resolved Spectra of GRB041006: A Clue to the Nature of the Underlying Soft Component of GRBs". In: *Publications of the Astronomical Society of Japan* 60.4 (2008), pp. 919–931.

[29] Makoto Arimoto, Nobuyuki Kawai, Motoko Suzuki, Rie Sato, Nicolas Vasquez Pazmino, Takashi Shimokawabe, Takuto Ishimura, Jun'ichi Kotoku, Atsumasa Yoshida, Toru Tamagawa, et al. "HETE-2 observations of the X-ray flash XRF 040916". In: *Publications of the Astronomical Society of Japan* 59.3 (2007), pp. 695–702.

[30] G Stratta, S Basa, N Butler, JL Atteia, B Gendre, A Pélangeon, F Malacrino, Y Mellier, DA Kann, S Klose, et al. "X-ray flashes or soft gamma-ray bursts?-The case of the likely distant XRF 040912". In: *Astronomy & Astrophysics* 461.2 (2007), pp. 485–492.

[31] Motoko Suzuki, Nobuyuki Kawai, Toru Tamagawa, Atsumasa Yoshida, Yujin E Nakagawa, Kaoru Tanaka, Yuji Shirasaki, Masaru Matsuoka, George R Ricker, Roland Vanderspek, et al. "Discovery of a new X-ray burst/millisecond accreting pulsar, HETE J1900. 1-2455". In: *Publications of the Astronomical Society of Japan* 59.1 (2007), pp. 263–268.

[32] Yujin E Nakagawa, Atsumasa Yoshida, Satoshi Sugita, Kaoru Tanaka, Nobuyuki Ishikawa, Toru Tamagawa, Motoko Suzuki, Yuji Shirasaki, Nobuyuki Kawai, Masaru Matsuoka, et al. "An optically dark GRB observed by HETE-2: GRB 051022". In: *Publications of the Astronomical Society of Japan* 58.4 (2006), pp. L35–L39.

[33] J-L Atteia, N Kawai, R Vanderspek, G Pizzichini, GR Ricker, C Barraud, M Boer, J Braga, N Butler, T Cline, et al. "HETE-2 Observation of two gamma-ray bursts at z¿ 3". In: *The Astrophysical Journal* 626.1 (2005), p. 292.

[34] NR Butler, T Sakamoto, M Suzuki, N Kawai, DQ Lamb, C Graziani, TQ Donaghy, A Dullighan, R Vanderspek, GB Crew, et al. "High-energy observations of XRF 030723: Evidence for an off-axis gamma-ray burst?" In: *The Astrophysical Journal* 621.2 (2005), p. 884.

[35] DQ Lamb, TQ Donaghy, and C Graziani. "A unified jet model of X-ray flashes, X-ray-rich gamma-ray bursts, and gamma-ray bursts. I. Power-law-shaped universal and top-hat-shaped variable opening angle jet models". In: *The Astrophysical Journal* 620.1 (2005), p. 355.

[36] F Martel, M Matsuoka, J-F Olive, N Kawai, M Galassi, JG Jernigan, GB Crew, J Doty, M Boer, TQ Donaghy, et al. "Discovery of the short Gamma-ray burst GRB 050709". In: *Nature: International weekly journal of science* 437.7060 (2005), pp. 855–858.

[37] T Sakamoto, DQ Lamb, N Kawai, A Yoshida, C Graziani, EE Fenimore, TQ Donaghy, M Matsuoka, M Suzuki, G Ricker, et al. "Global characteristics of X-ray flashes and X-ray-rich gamma-ray bursts observed by HETE-2". In: *The Astrophysical Journal* 629.1 (2005), p. 311.

[38] Rie Sato, Takanori Sakamoto, Jun Kataoka, Atsumasa Yoshida, Motoko Suzuki, Junichi Kotoku, Yuji Urata, Yoshihisa Yamamoto, Makoto Arimoto, Toru Tamagawa, et al. "HETE-2 localization and observations of the gamma-ray burst GRB 020813". In: *Publications of the Astronomical Society of Japan* 57.6 (2005), pp. 1031–1039.

[39] JS Villasenor, DQ Lamb, GR Ricker, J-L Atteia, N Kawai, N Butler, Y Nakagawa, JG Jernigan, M Boer, GB Crew, et al. "Discovery of the short γ-ray burst GRB 050709". In: *Nature* 437.7060 (2005), pp. 855–858.

[40] T Sakamoto, DQ Lamb, C Graziani, TQ Donaghy, M Suzuki, G Ricker, J-L Atteia, N Kawai, A Yoshida, Y Shirasaki, et al. "High energy transient explorer 2 observations of the extremely soft X-ray flash XRF 020903". In: *The Astrophysical Journal* 602.2 (2004), p. 875.

[41] R Vanderspek, T Sakamoto, C Barraud, T Tamagawa, C Graziani, M Suzuki, Y Shirasaki, G Prigozhin, J Villasenor, JG Jernigan, et al. "HETE observations of the gamma-ray burst GRB 030329: evidence for an underlying soft X-ray component". In: *The Astrophysical Journal* 617.2 (2004), p. 1251.

[42] C Barraud, J-F Olive, JP Lestrade, J-L Atteia, K Hurley, G Ricker, DQ Lamb, N Kawai, M Boer, J-P Dezalay, et al. "Spectral analysis of 35 GRBs/XRFs observed with HETE-2/FREGATE". In: *Astronomy & Astrophysics* 400.3 (2003), pp. 1021–1030.

[43] Geoffrey B Crew, DQ Lamb, GR Ricker, J-L Atteia, N Kawai, R Vanderspek, J Villasenor, J Doty, G Prigozhin, JG Jernigan, et al. "HETE-2 localization and observation of the bright, X-ray-rich gamma-ray burst GRB 021211". In: *The Astrophysical Journal* 599.1 (2003), p. 387.

[44] Yuji Shirasaki, Nobuyuki Kawai, Atsumasa Yoshida, Masaru Matsuoka, Toru Tamagawa, Ken'ichi Torii, Takanori Sakamoto, Motoko Suzuki, Yuji Urata, Rie Sato, et al. "Design and performance of the wide-field X-ray monitor on board the high-energy transient explorer 2". In: *Publications of the Astronomical Society of Japan* 55.5 (2003), pp. 1033–1049.

[45] PA Price, Shrinivas R Kulkarni, Edo Berger, SG Djorgovski, Dale A Frail, A Mahabal, DW Fox, FA Harrison, JS Bloom, SA Yost, et al. "GRB 010921: discovery of the first high energy transient explorer afterglow". In: *The Astrophysical Journal Letters* 571.2 (2002), p. L121.

[46] G Ricker, K Hurley, D Lamb, S Woosley, J-L Atteia, N Kawai, R Vanderspek, G Crew, J Doty, J Villasenor, et al. "GRB 010921: Localization and observations by the High Energy Transient Explorer satellite". In: *The Astrophysical Journal Letters* 571.2 (2002), p. L127.

[47] G Ricker, K Hurley, D Lamb, S Woosley, J-L Atteia, N Kawai, R Vanderspek, G Crew, J Doty, J Villasenor, et al. "HETE Observations of GRB 010921". In: *The Astrophysical Journal Letters* 571.2 (2002), pp. L127–L130.

[48] G. Ricker, K. Hurley, D. Lamb, S. Woosley, J.-L. Atteia, N. Kawai, R. Vanderspek, G. Crew, J. Doty, J. Villasenor, G. Prigozhin, G. Monnelly, et al. "GRB 010921: Localization and Observations by the High Energy Transient Explorer Satellite". In: *The Astrophysical Journal Letters* 571.2 (2002), p. L127. URL: http://stacks.iop.org/1538-4357/571/i=2/a=L127.

[49] PE Freeman, C Graziani, DQ Lamb, TJ Loredo, EE Fenimore, T Murakami, and A Yoshida. "Statistical analysis of spectral line candidates in gamma-ray burst GRB 870303". In: *The Astrophysical Journal* 524.2 (1999), p. 753.

[50] C Graziani, DQ Lamb, and GH Marion. "Evidence against an association between gamma-ray bursts and Type I supernovae". In: *Astronomy and Astrophysics Supplement Series* 138.3 (1999), pp. 469–470.

[51] Carlo Graziani, Alice K Harding, and Ramin Sina. "Elimination of resonant divergences from QED in superstrong magnetic fields". In: *Physical Review D* 51.12 (1995), p. 7097.

[52] DQ Lamb, JM Quashnock, and C Graziani. "Evidence that gamma-ray bursts repeat and are Galactic in origin". In: *Nuclear Physics B-Proceedings Supplements* 35.1 (1994), pp. 216–228.

[53] Carlo Graziani. "Strong-field cyclotron scattering. I-Scattering amplitudes and natural line width". In: *The Astrophysical Journal* 412.1 (1993), pp. 351–362.

[54] D. Q. Lamb, C. Graziani, and I. A. Smith. "Evidence for two distinct morphological classes of gamma-ray bursts from their short time scale variability". In: *The Astrophysical Journal Letters* 413 (Aug. 1993), pp. L11–L14.

Book Chapters

[55] DQ Lamb, TQ Donaghy, and C Graziani. "Gamma-Ray Bursts as a laboratory for the study of Type Ic supernovae". In: *Cosmic Explosions in Three Dimensions: Asymmetries in Supernovae and Gamma-Ray Bursts*. Ed. by P. Höflich, P. Kumar, and J.C. Wheeler. Cambridge Contemporary Astrophysics. Cambridge University Press, 2004, p. 327. URL: https://books.google.com/books?id=SKvvvY4zfJgC.

Refereed Conference Proceeding Articles

[56] C Graziani, P Tzeferacos, D Lee, DQ Lamb, K Weide, M Fatenejad, and J Miller. "The Biermann catastrophe of numerical MHD". In: *Journal of Physics: Conference Series*. Vol. 719. 1. IOP Publishing. 2016, p. 012018.

[57] Carlo Graziani. "Commentary: Simulation-Aided Inference in Cosmology". In: *Statistical Challenges in Modern Astronomy V*. Vol. 201. 2. Springer, 2012, pp. 59–64.

[58] Donald Lamb, George Jordan, Benedikt Diemer, Carlo Graziani, Randy Hudson, Rick Kessler, Min Long, John Norris, Daan van Rossum, Robert Fisher, et al. "The Central Role of Turbulence in Thermonuclear-Powered Supernovae". In: *41st AIAA Fluid Dynamics Conference and Exhibit*. Vol. 336. 1. IOP Publishing. Springer, 2011, p. 3240.

[59] A Dubey, R Fisher, C Graziani, GC Jordan IV, DQ Lamb, LB Reid, P Rich, D Sheeler, D Townsley, and K Weide. "Challenges of extreme computing using the FLASH code". In: *Numerical Modeling of Space Plasma Flows*. Vol. 385. 1. AIP. Springer, 2008, p. 145.

[60] GC Jordan IV, RT Fisher, DM Townsley, AC Calder, C Graziani, S Asida, DQ Lamb, and JW Truran. "Preliminary Results of Three-Dimensional Simulations of the Deflagration Phase of the Gravitationally Confined Detonation Model of Type Ia Supernovae". In: *Numerical Modeling of Space Plasma Flows*. Vol. 385. 4. AIP. Springer, 2008, p. 97.

[61] M Matsuoka, N Kawai, A Yoshida, T Tamagawa, K Torii, Y Shirasaki, G Ricker, J Doty, R Vanderspek, G Crew, et al. "The gamma-ray burst alert system and the results of HETE-2". In: *Baltic Astronomy* 13.1 (2004), pp. 201–206.

Technical Reports

[62] C. Graziani. *Bringing Particle Accelerator MC Integrations to HPC*. Tech. rep. 2018.

[63] C. Graziani. *Measure Estimation By Gaussian Process Modeling*. Tech. rep. 2017. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Measure_Estimation.pdf.

[64] C. Graziani. *Pixel-Pedestal Estimation With Correlated Noise*. Tech. rep. 2017. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Pixel-Pedestal_Estimation.pdf.

[65] Robert Rosner, Carlo Graziani, and Robert Topel. *The Business Case for Hydrogen-powered Passenger Cars: Competition and Solving the Infrastructure Puzzle*. Tech. rep. 2017. URL: https://www.hydrogen.energy.gov/pdfs/progress16/ix_10_rosner_2016.pdf.

[66] C. Graziani. *Differencing Sampled Functions Using Gaussian Process Modeling*. Tech. rep. 2016. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/GP_L2Diff.pdf.

[67] C. Graziani. *Fitting Time Series In The Presence of Pink Noise*. Tech. rep. 2016. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Pink_Noise_Time_Series.pdf.

[68] C. Graziani. *Divergence-Free Interpolation of Vector Fields*. Tech. rep. 2015. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Divergence_Free_Interpolation.pdf.

[69] C. Graziani. *Parameter Estimation in Chaotic Systems*. Tech. rep. 2015. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Parameter_Estimation.pdf.

[70] C. Graziani. *Proton Radiography of Turbulent Magnetic Fields*. Tech. rep. 2015. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Turbulent_Radiography.pdf.

[71] C. Graziani. *ODE Integration Of Laser Energy Deposition*. Tech. rep. 2014. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Improved_Energy_Deposition.pdf.

[72] C. Graziani. *Tracing Laser Intensity*. Tech. rep. 2014. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Tracing_Laser_Intensity.pdf.

[73] C. Graziani. *Validating Predicted Distributions*. Tech. rep. 2014. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Validating_Distributions.pdf.

[74] C. Graziani. *Validating Time-Series Forecasts Using The Posterior Predictive Distribution*. Tech. rep. 2014. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Validation_Predictive.pdf.

[75] C. Graziani. *(More) Accurate Thermal Energy Updates in Hydrodynamics/MHD*. Tech. rep. 2013. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Accurate_Thermal_Energy.pdf.

[76] C. Graziani. *Notes On The Biermann Effect in MHD*. Tech. rep. 2013. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Notes_On_Biermann.pdf.

[77] C. Graziani. *Vector Spherical Harmonics and Stellar Velocity Fields*. Tech. rep. 2013. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Stellar_Velocity_Modes.pdf.

[78] C. Graziani. *Resistive Induction in Cylindrical Coordinates*. Tech. rep. 2012. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/resistivity_cylindrical.pdf.

[79] C. Graziani. *The Biermann Effect For Numerical Eulerian 2T MHD*. Tech. rep. 2012. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Biermann_For_Eulerian_MHD.pdf.

[80] C. Graziani. *A La Carte Distribution of Passively-Advected Particles*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/A_La_Carte_Particles.pdf.

[81] C. Graziani. *Applications of Gaussian Process Interpolation to Finite-Volume Hydrodynamics and AMR*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/GP_Prolongation+Reconstruction.pdf.

[82] C. Graziani. *FLASH Versus SALT: SNIa Model Validation Strategy*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/Model_Validation.pdf.

[83] C. Graziani. *"Ink-Drop" Particle Advance Scheme*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/particle_ink_drop.pdf.

[84] C. Graziani. *Local Velocity Spectra*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/local_spectra.pdf.

[85] C. Graziani. *Measuring Curvature Scales of a Sampled Flame Surface*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/flame_surface_curvature.pdf.

[86] C. Graziani. *Smooth Interpolation of Particle Data Using Gaussian Process Models*. Tech. rep. 2011. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/GP_Interpolation.pdf.

[87] C. Graziani. *On Shock Heating In Ionized Plasma*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/shock_heating.pdf.

[88] C. Graziani. *Outflows Ballistic, Outflows Homologous*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/ballistic_homologous_outflows.pdf.

[89] C. Graziani. *Shock Heating in Ionized Plasma: Take 2*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/shock_heating_2.pdf.

[90] C. Graziani. *Steady Plasma Shock*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/steady_plasma_shock.pdf.

[91] C. Graziani. *The Horror Continues [More on Shock Heating in Ionized Plasma]*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/shock_heating_3.pdf.

[92] C. Graziani and M. Loredo T. J. & Anitescu. *Adaptive Design of Computer Experiments and Simulation Fidelity Hierarchies*. Tech. rep. 2010. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/adaptive_design.pdf.

[93] C. Graziani. *Memo on Uniform Particles*. Tech. rep. 2009. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/uniform_particles.pdf.

[94] C. Graziani. *Spatially-Regulated Particles*. Tech. rep. 2009. URL: http://kazoo.uchicago.edu/~carlo/Collected_Tech_Reports/spatially_regulated_particles.pdf.

Unrefereed Conference Proceeding Articles

[95] Adam Reyes, Dongwook Lee, Carlo Graziani, and Petros Tzeferacos. "Variable High-Order Shock Capturing with GP-WENO in the FLASH Code". In: *Bulletin of the American Physical Society* (2019).

[96] P Tzeferacos, L Chen, A Bott, A Rigby, A Bell, R Bingham, C Graziani, J Katz, M Koenig, C Li, et al. "Transport of Charged Particles in Laser-Driven Magnetized Turbulence". In: *Bulletin of the American Physical Society* (2019).

[97] A Lien, T Sakamoto, SD Barthelmy, WH Baumgartner, JK Cannizzo, K Chen, NR Collins, JR Cummings, N Gehrels, C Graziani, et al. "Gamma-Ray Bursts from the Swift Burst Alert Telescope: Instrumental Sensitivity and Implication on the High-Redshift GRBs". In: *LPI Contributions* 1962.1 (2016), p. 012018.

[98] Amy Lien, Takanori Sakamoto, Neil Gehrels, David Palmer, and Carlo Graziani. "Trigger Simulations for GRB Detection with the Swift Burst Alert Telescope". In: *International Astronomical Union. Proceedings of the International Astronomical Union* 7.2 (2011), p. 347.

[99] Alexandre Pélangeon, J-L Atteia, M Galassi, David Palmer, and Ed Fenimore. "Intrinsic properties of a complete sample of HETE-2 Gamma-Ray Bursts". In: *AIP Conference Proceedings*. Vol. 1000. 1. AIP. Springer, 2008, pp. 76–79.

[100] TQ Donaghy, DQ Lamb, T Sakamoto, JP Norris, Y Nakagawa, J Villasenor, J-L Atteia, R Vanderspek, C Graziani, N Kawai, et al. "HETE-2 localizations and observations of four short gamma-ray bursts: GRBs 010326B, 040802, 051211 and 060121". In: *Numerical Modeling of Space Plasma Flows*. Vol. 59. 3. AIP. Springer, 2006, pp. 695–702.

[101] C Graziani, DQ Lamb, TQ Donaghy, Stephen S Holt, Neil Gehrels, and John A Nousek. "Gamma-Ray Burst Jet Profiles And Their Signatures". In: *AIP Conference Proceedings*. Vol. 836. 1. AIP. Springer, 2006, pp. 117–120.

[102] YE Nakagawa, A Yoshida, S Sugita, K Tanaka, N Ishikawa, T Tamagawa, M Suzuki, Y Shirasaki, N Kawai, M Matsuoka, et al. "Observation of GRB 051022 detected by HETE-2". In: *Nuovo Cimento della Societa Italiana di Fisica B* 121.12 (2006), pp. 1535–1537.

[103] M Suzuki, M Arimoto, N Ishikawa, A Kobayashi, J Kotoku, M Maetou, Y Nakagawa, T Sakamoto, R Sato, T Shimokawabe, et al. "X-ray bursts observed by HETE-2". In: *Nuovo Cimento della Societa Italiana di Fisica B* 121.12 (2006), pp. 1593–1594.

[104] T. Q. Donaghy, C. Graziani, and D. Q. Lamb. "Unifying XRFs and GRBs with a Fisher-shaped universal jet model". In: *Nuovo Cimento C Geophysics Space Physics C* 28 (May 2005), p. 403.

[105] C Graziani, TQ Donaghy, and DQ Lamb. "Likelihood analysis of GRB evolution with redshift". In: *Nuovo Cimento C Geophysics Space Physics C* 28 (2005), p. 681.

[106] DQ Lamb, TQ Donaghy, and C Graziani. "Jet Models of X-Ray Flashes". In: *56 th International Astronautical Congress*. Vol. 57. 6. AIP. Springer, 2005, pp. 1031–1039.

[107] DQ Lamb, GR Ricker, D Lazzati, G Ghirlanda, G Ghisellini, C Firmani, L Amati, J-L Atteia, V Avila-Reese, S Burles, et al. "A gamma-ray burst mission to investigate the properties of dark energy". In: *arXiv preprint astro-ph/0507362* 620.1 (2005), p. 355.

[108] M Matsuoka, N Kawai, A Yoshida, T Tamagawa, Y Shirasaki, M Suzuki, Y Nakagawa, T Sakamoto, R Sato, G Ricker, et al. "New concept of small satellite, HETE-2 and its scientific activity". In: *56 th International Astronautical Congress*. Vol. 57. 6. AIP. Springer, 2005, pp. 1031–1039.

[109] JL Atteia, C Barraud, JP Lestrade, JP Olive, J Dezalay, M Boer, K Hurley, JG Jernigan, G Ricker, R Vanderspek, et al. "Two years of GRB observations with HETE-2/FREGATE". In: *Gamma-Ray Bursts in the Afterglow Era*. Vol. 312. 1. AIP. Springer, 2004, p. 12.

[110] J-L Atteia, GR Ricker, DQ Lamb, T Sakamoto, C Graziani, T Donaghy, C Barraud, EE Fenimore, and M Galassi. "Observation and implications of the Epeak-Eiso correlation in Gamma-Ray Bursts". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 37–41.

[111] Nathaniel Butler, A Dullighan, P Ford, G Ricker, R Vanderspek, K Hurley, J Jernigan, D Lamb, C Graziani, EE Fenimore, et al. "Optical and X-ray Observations of the Afterglow to XRF 030723". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 111–114.

[112] Timothy Q Donaghy, DQ Lamb, C Graziani, EE Fenimore, and M Galassi. "GRB redshift evolution within the unified jet model". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 47–51.

[113] Carlo Graziani, Donald Q Lamb, Takanori Sakamoto, Timothy Donaghy, Jean-Luc Atteia, EE Fenimore, and M Galassi. "Evidence From HETE-2 For GRB Evolution With Redshift". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 42–46.

[114] N Kawai, T Sakamoto, M Suzuki, M Matsuoka, A Yoshida, Y Shirasaki, T Tamagawa, Y Nakagawa, Y Yamazaki, R Sato, et al. "Broad-band (2-400 keV) Spectra of Gamma-Ray Bursts and X-Ray Flashes based on HETE-2 Observations". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 192–197.

[115] Nobuyuki Kawai, Masaru Matsuoka, Atsumasa Yoshida, Yuji Shirasaki, G Ricker, J Doty, R Vanderspek, G Crew, J Villasenor, JL Atteia, et al. "HETE-2 observations of gamma-ray bursts and their follow-ups". In: *Progress of Theoretical Physics Supplement* 155.1 (2004), pp. 279–286.

[116] DQ Lamb, Timothy Q Donaghy, and C Graziani. "A unified jet model of X-ray flashes and γ-ray bursts". In: *New Astronomy Reviews* 48.5 (2004), pp. 459–464.

[117] DQ Lamb, GR Ricker, J-L Atteia, C Barraud, M Boer, J Braga, N Butler, T Cline, GB Crew, J-P Dezalay, et al. "Scientific highlights of the HETE-2 mission". In: *New Astronomy Reviews* 48.5 (2004), pp. 423–430.

[118] DQ Lamb, GR Ricker, J-L Atteia, K Hurley, N Kawai, Y Shirasaki, T Sakamoto, T Tamagawa, C Graziani, J-F Olive, et al. "Hete-2 localization and observations of the short, hard gamma-ray burst GRB020531". In: *Gamma-Ray Bursts in the Afterglow Era*. Ed. by M. Feroci, F. Frontera, N. Masetti, and L. Piro. Vol. 312. Astronomical Society of the Pacific Conference Series. June 2004, pp. 94–97.

[119] YE Nakagawa, T Yamazaki, M Suzuki, A Yoshida, N Kawai, D Takahashi, M Matsuoka, Y Shirasaki, T Tamagawa, K Torii, et al. "Observations of X-ray Bursts by HETE-2". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 566–569.

[120] T Sakamoto, C Graziani, C Barraud, N Kawai, A Yoshida, Y Shirasaki, T Tamagawa, K Torii, M Matsuoka, EE Fenimore, et al. "The short/hard GRB020531 and the X-Ray Flash XRF010213: do they have the same spectral parameters?" In: *Gamma-Ray Bursts in the Afterglow Era*. Vol. 312. 1. AIP. Springer, 2004, p. 130.

[121] T Sakamoto, Y Nakagawa, K Torii, Y Shirasaki, T Tamagawa, N Kawai, A Yoshida, M Matsuoka, EE Fenimore, M Galassi, et al. "In-flight Calibration of the HETE-2 WXM Detector Response". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 618–621.

[122] T Sakamoto, M Suzuki, N Kawai, Y Nakagawa, A Yoshida, Y Shirasaki, T Tamagawa, K Torii, M Matsuoka, EE Fenimore, et al. "HETE-2 Observation of the Extremely Soft X-Ray Flashes, XRF010213 and XRF020903". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 106–110.

[123] Y Shirasaki, N Kawai, A Yoshida, M Matsuoka, T Tamagawa, K Torii, T Sakamoto, M Suzuki, Y Urata, R Sato, et al. "In-orbit calibration and performance of the HETE-2 WXM". In: *Gamma-Ray Bursts in the Afterglow Era*. Vol. 312. 1. AIP. Springer, 2004, p. 543.

[124] M Suzuki, N Kawai, A Yoshida, Y Shirasaki, M Matsuoka, T Tamagawa, K Torii, T Sakamoto, C Graziani, DQ Lamb, et al. "Durations of Gamma-ray Bursts and X-Ray Flashes in X-ray and Gamma-Ray Bands Observed with HETE-2". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 217–220.

[125] M Suzuki, T Sakamoto, D Takahashi, N Kawai, A Yoshida, Y Shirasaki, T Tamagawa, K Torii, M Matsuoka, E Fenimore, et al. "X-ray burst observation by the HETE-2 satellite". In: *Gamma-Ray Bursts in the Afterglow Era*. Vol. 312. 1. AIP. Springer, 2004, p. 138.

[126] R Vanderspek, N Butler, GB Crew, A Dullighan, G Prigozhin, JP Doty, JN Villasenor, GR Ricker, T Tamagawa, K Torii, et al. "Current Status of HETE-2 Operations". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 630–636.

[127] R Vanderspek, A Dullighan, N Butler, GB Crew, JN Villasenor, GR Ricker, T Tamagawa, T Sakamoto, M Suzuki, Y Shirasaki, et al. "The HETE-2 Burst Catalog". In: *AIP Conference Proceedings*. Vol. 727. 1. AIP. Springer, 2004, pp. 57–60.

[128] C Barraud, JL Atteia, JF Olive, JP Dezalay, DQ Lamb, N Kawai, A Yoshida, Y Shirasaki, T Sakamoto, T Tamagawa, et al. "The E-Peak Distribution of the GRBs Detected by HETE FREGATE Instrument". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 59–62.

[129] Timothy Donaghy, Donald Q Lamb, Daniel E Reichart, Carlo Graziani, GR Ricker, and RK Vanderspek. "Determining the GRB (Redshift, Luminosity)-Distribution Using Burst Variability". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 450–453.

[130] C Graziani, Y Shirasaki, T Donaghy, E Fenimore, M Galassi, N Kawai, DQ Lamb, T Sakamoto, D Takahashi, T Tamagawa, et al. "Astrometric calibration and estimate of the systematic error in WXM localizations obtained by the Chicago Bayesian method". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 114–116.

[131] Carlo Graziani, Donald Q Lamb, GR Ricker, and RK Vanderspek. "Localization of GRBs by Bayesian Analysis of Data from the HETE WXM". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 76–78.

[132] Carlo Graziani, GR Ricker, and RK Vanderspek. "A "Spiffy" Trigger for Gamma-Ray Bursts". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 79–81.

[133] N Kawai, M Matsuoka, A Yoshida, Y Shirasaki, G Ricker, J Doty, R Vanderspek, G Crew, J Villasenor, J-L Atteia, et al. "Observations of Gamma-Ray Bursts by HETE-2". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2737.

[134] N Kawai, A Yoshida, M Matsuoka, Y Shirasaki, T Tamagawa, K Torii, T Sakamoto, D Takahashi, E Fenimore, M Galassi, et al. "In-Orbit Performance of WXM (Wide-Field X-Ray Monitor)". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 25–32.

[135] DQ Lamb, TQ Donaghy, and C Graziani. "Gamma-Ray Bursts as a laboratory for the study of Type Ic supernovae". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 450–453.

[136] DQ Lamb, GR Ricker, J-L Atteia, K Hurley, N Kawai, Y Shirasaki, T Sakamoto, T Tamagawa, T Donaghy, C Graziani, et al. "GRB 020531: A Short, Hard Gamma-Ray Burst Localized and Observed by HETE-2". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2745.

[137] J-F Olive, K Hurley, J-P Dezalay, J-L Atteia, C Barraud, N Butler, GB Crew, J Doty, G Ricker, R Vanderspek, et al. "FREGATE observation of a strong burst from SGR1900+ 14". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 82–87.

[138] Paul A Price, GR Ricker, and RK Vanderspek. "GRB 010921: discovery of the first hete afterglow". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 56–58.

[139] G Ricker, D Lamb, S Woosley, R Vanderspek, G Crew, J Doty, G Monnelly, J Villasenor, N Butler, T Cline, et al. "VizieR Online Data Catalog: HETE Trigger Information (Ricker+, 2001)". In: *VizieR Online Data Catalog (other)* 311.1 (2003), pp. 111–113.

[140] GR Ricker, J-L Atteia, GB Crew, JP Doty, EE Fenimore, M Galassi, C Graziani, K Hurley, JG Jernigan, N Kawai, et al. "The high energy transient explorer (HETE): mission and science overview". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 3–16.

[141] T Sakamoto, D Takahashi, N Kawai, A Yoshida, Y Shirasaki, T Tamagawa, K Torii, M Matsuoka, E Fenimore, M Galassi, et al. "X-Ray Bursts Observed by the HETE-2 Satellite". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 94–96.

[142] Y Shirasaki, N Kawai, T Sakamoto, M Suzuki, R Sato, Y Urata, A Yoshida, Y Nakagawa, D Takahashi, T Tamagawa, et al. "In-orbit calibration and performance of the HETE-2 WXM". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2745.

[143] Y Shirasaki, N Kawai, A Yoshida, M Matsuoka, T Tamagawa, K Torii, T Sakamoto, E Fenimore, M Galassi, D Lamb, et al. "Astrometric calibration and estimate of the systematic error in HETE WXM localizations obtained by the RIKEN cross correlation method". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 117–122.

[144] M Suzuki, N Kawai, T Sakamoto, R Sato, Y Urata, A Yoshida, Y Nakagawa, D Takahashi, Y Shirasaki, T Tamagawa, et al. "Timing Properties of GRBs Detected by HETE-2". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2697.

[145] T Tamagawa, N Kawai, A Yoshida, Y Shirasaki, K Torii, T Sakamoto, M Suzuki, Y Urata, Y Nakagawa, D Takahashi, et al. "Prompt Gamma-ray Burst Alert System of the HETE-2 Spacecraft". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2741.

[146] Tanya Tavenner, Ed Fenimore, Mark Galassi, Roland Vanderspek, Barbara Preger, Carlo Graziani, Don Lamb, Nobuyuki Kawai, Atsumasa Yoshida, Yuji Shirasaki, et al. "The Effectiveness of the HETE-2 Triggering Algorithm". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 97–100.

[147] K Torii, A Yoshida, N Kawai, Y Shirasaki, T Tamagawa, T Sakamoto, M Matsuoka, E Fenimore, M Galassi, JL Atteia, et al. "Soft Gamma-Ray Repeaters as Observed by the HETE-2 WXM". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 111–113.

[148] Nevin Weinberg, Carlo Graziani, Donald Q Lamb, Daniel E Reichart, GR Ricker, and RK Vanderspek. "Determining the Gamma-Ray Burst Rate as a Function of Redshift". In: *AIP Conference Proceedings*. Vol. 662. 1. AIP. Springer, 2003, pp. 460–462.

[149] A Yoshida, Y Nakagawa, T Yamazaki, D Takahashi, N Kawai, T Sakamot, M Suzuki, R Sato, Y Urata, Y Shirasaki, et al. "Spectral Properties of" Classical" GRBs Seen by HETE-2 Satellite". In: *International Cosmic Ray Conference*. Vol. 5. 1. AIP. Springer, 2003, p. 2693.

[150] N Kawai, A Yoshida, T Tamagawa, M Matsuoka, Y Shirasaki, G Ricker, G Crew, JP Doty, A Levine, R Vanderspek, et al. "Early Results from HETE-2". In: *International Astronomical Union Colloquium*. Vol. 183. 2. Cambridge University Press. Springer, 2001, pp. 149–154.

[151] Nevin Weinberg, Carlo Graziani, Donald Q Lamb, and Daniel E Reichart. "Determining the gamma-ray burst rate as a function of redshift". In: *Gamma-Ray Bursts in the afterglow Era*. Vol. 571. 2. AIP. Springer, 2001, pp. 252–254.

[152] Donald Q Lamb, George R Ricker, Geoffrey Crew, John P Doty, Al Levine, Roland Venderspek, Joel Villasenor, Edward E Fenimore, Mark Galassi, Masaru Matsuoka, et al. "High-energy transient explorer-2". In: *AIP Conference Proceedings*. Vol. 522. 1. AIP. Springer, 2000, pp. 265–268.

[153] Carlo Graziani, Donald Q Lamb, Jean M Quashnock, Charles A Meegan, Thomas M Koshut, and Robert D Preece. "Are the four gamma-ray bursts of 1996 October 27–29 due to repetition of a single source?" In: *AIP Conference Proceedings*. Vol. 428. 1. AIP. Springer, 1998, pp. 161–165.

[154] DG York, MM Mac Low, B Brown, LM Franco, LM Rebull, C Graziani, and J Lauroesch. "DuSable High School Internet Project and its influence in connecting Chicago Public Schools to the Internet". In: *Bulletin of the American Astronomical Society*. Vol. 30. 1. AIP. Springer, 1998, p. 851.

[155] C. Graziani, D. Q. Lamb, and R. Slawinski. "Determination of X-Ray Transient Source Positions by Bayesian Analysis of Coded Aperture Data". In: *All-Sky X-Ray Observations in the Next Decade*. Ed. by M. Matsuoka and N. Kawai. 1997, p. 303.

[156] Jerry T Bonnell, RJ Nemiroff, Carlo J Graziani, Chryssa Kouveliotou, Michael F Briggs, and Gerald J Fishman. "A diamond jubilee debate". In: *AIP Conference Proceedings*. Vol. 384. 1. AIP. Springer, 1996, pp. 973–976.

[157] Carlo Graziani, Don Q Lamb, Chryssa Kouveliotou, Michael F Briggs, and Gerald J Fishman. "Analysis of the systematic errors in the positions of BATSE catalog bursts". In: *AIP Conference Proceedings*. Vol. 384. 1. AIP. Springer, 1996, pp. 382–386.

[158] Carlo Graziani and Donald Q Lamb. "Likelihood methods and classical burster repetition". In: *AIP Conference Proceedings*. Vol. 366. 1. AIP. Springer, 1996, pp. 196–200.

[159] MC Miller, T Bulik, C Graziani, DQ Lamb, and M Isenberg. "Critical accretion rates for strongly magnetic neutron stars." In: *Bulletin of the American Astronomical Society*. Vol. 28. 1. AIP. Springer, 1996, p. 945.

[160] PE Freeman, C Graziani, DQ Lamb, TJ Loredo, Gerald J Fishman, Jerome J Brainerd, and Kevin Hurley. "New techniques in the fitting of gamma-ray burst cyclotron lines". In: *AIP Conference Proceedings*. Vol. 307. 1. AIP. Springer, 1994, pp. 677–681.

[161] C Graziani, DQ Lamb, Gerald J Fishman, Jerome J Brainerd, and Kevin Hurley. "Evidence for two distinct morphological classes of gamma-ray bursts". In: *AIP Conference Proceedings*. Vol. 307. 1. AIP. Springer, 1994, pp. 227–231.

[162] C Graziani, DQ Lamb, TJ Loredo, EE Fenimore, T Murakami, A Yoshida, Michael Friedlander, Neil Gehrels, and Daryl J Macomb. "Establishing the existence of harmonically-spaced lines in gamma-ray burst spectra using Bayesian inference". In: *AIP Conference Proceedings*. Vol. 280. 1. AIP. Springer, 1993, pp. 897–901.

[163] DQ Lamb, C Graziani, and IA Smith. "Evidence for Two Distinct Morphological Classes of Gamma-Ray Bursts from their Short Timescale Variability". In: *AIP Conference Proceedings*. Vol. 307. 1. AIP. Springer, 1993, pp. 227–231.

[164] C. Graziani, E. E. Fenimore, T. Murakami, A. Yoshida, D. Q. Lamb, J. C. L. Wang, and T. J. Loredo. "Cyclotron line strength variations in gamma-ray burst GB870303 - Possible evidence of neutron star rotation". In: *Gamma-Ray Bursts - Observations, Analyses and Theories*. Ed. by C. Ho, R. I. Epstein, and E. E. Fenimore. 1992, pp. 407–414.

[165] C. Graziani, E. E. Fenimore, T. Murakami, A. Yoshida, D. Q. Lamb, J. C. L. Wang, and T. J. Loredo. "Line strength variations in gamma-ray burst GB870303: Possible evidence of neutron star rotation". In: *American Institute of Physics Conference Series*. Vol. 265. American Institute of Physics Conference Series. Sept. 1991, pp. 211–215. DOI: 10.1063/1.42833.

[166] Don Q Lamb, John CL Wang, Geoffry J Heuter, Carlo Graziani, Tom Loredo, and Peter Freeman. "ADP study of gamma-ray bursts". In: *Final Report National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, MD.* 265.1 (1991), p. 756.

Gamma-Ray Burst Coordinate Network (GCN) Circulars

These circulars are used for rapid distribution of results concerning GRBs that may affect imminent observations. They were an important publication route for first-look results concerning in-progress GRBs detected by the HETE-2 mission.

[167] M. Arimoto, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, A. Kobayashi, et al. *GRB 060121: a bright short/hard GRB localized by HETE-2 WXM.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4550....1A.

[168] M. Boer, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 060121 (=H4010): results of preliminary spectral analysis.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4552....1B.

[169] E. Fenimore, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, M. Galassi, C. Graziani, N. Ishikawa, A. Kobayashi, et al. *H4043, an unusual high-energy transient observed by HETE.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4938....1F.

[170] C. Graziani, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, N. Ishikawa, A. Kobayashi, et al. *HETE triggers H4043 and H4044 not due to new cosmic source.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4950....1G.

[171] D. Lamb, G. Ricker, J.-L. Atteia, N. Kawai, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, A. Kobayashi, et al. *GRB 060124: HETE detection and spectrum of the main peak.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4601....1L.

[172] G. Prigozhin, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 060121: a bright short/hard GRB localized by HETE-2 SXC.* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4551....1P.

[173] R. Vanderspek, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *H4044, a repeat outburst from the source of H4043 (="GRB060331").* 2006. URL: http://adsabs.harvard.edu/abs/2006GCN..4942....1V.

[174] M. Arimoto, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, M. Maetou, et al. *H3804: a possible new XRB detected by HETE.* June 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3548....1A.

[175] J.-L. Atteia, H. Clergeot, G. Ricker, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *HETE SXC localization of GRB 051211 (=H3979).* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4324....1A.

[176] M. Boer, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB 050709: refined spectral and temporal properties.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3653....1B.

[177] N. Butler, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB050709: a possible short-hard GRB localized by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3570....1B.

[178] G. Crew, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB050824, HETE-2 observation.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3890....1C.

[179] G. Crew, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *HETE fregate observations of GRB 050922C.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4021....1C.

[180] J. Doty, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 051022: spectral analysis indicates that the spectrum is absorbed.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4145....1D.

[181] S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, S. Barthelmy, J. Cummings, N. Gehrels, K. Hurley, T. Cline, I. Mitrofanov, et al. *IPN triangulation and konus spectrum of the bright short/hard GRB051103.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4197....1G.

[182] C. Graziani. *GRB051022 (=H3590), a GRB detected by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4131....1G.

[183] K. Hurley, J.-L. Atteia, M. Boer, J.-F. Olive, J.-P. Dezalay, C. Graziani, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, J. Kotoku, M. Maetou, et al. *H3800 and H3801 on 2005 June 11: two bursts from SGR1806-20 localized by HETE.* June 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3547....1H.

[184] K. Hurley, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 051028 (=H3951): a GRB localized by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4172....1H.

[185] K. Hurley, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB 050123(=H3666): a GRB localized in real time by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..2966....1H.

[186] N. Kawai, G. Ricker, J.-L. Atteia, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, A. Kobayashi, et al. *GRB051211A (=H3979): refined analysis.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4359....1K.

[187] N. Kawai, G. Ricker, J.-L. Atteia, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, T. Sakamoto, et al. *GRB050209 (=U11568): a long GRB detected by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3013....1K.

[188] J. Kotoku, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Maetou, et al. *H11603: an X-ray flare from V4641 Sgr, or a possible XRF.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3554....1K.

[189] D. Lamb, G. Ricker, J.-L. Atteia, N. Kawai, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, T. Sakamoto, et al. *GRB 0050209(=U11568): duration and spectrum.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3019....1L.

[190] M. Maetou, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB050807(=H3889): an X-ray rich GRB localized by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3785....1M.

[191] Y. Nakagawa, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, T. Sakamoto, et al. *HETE-2 observations of GRB 050215b (=U11570): a likely X-ray flash.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3053....1N.

[192] J. Norris, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 051211A: evidence this is a short burst from analysis of spectral.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4377....1N.

[193] J.-F. Olive, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB051021 (=H3947): refined analysis.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4124....1O.

[194] G. Prigozhin, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB050509c (=H3751): an X-ray flash localized by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3402....1P.

[195] T. Sakamoto, J.-L. Atteia, G. Ricker, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 051227: joint Swift-HETE spectral analysis.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4403....1S.

[196] T. Sakamoto, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, J. Kotoku, et al. *GRB 050408 (=H3711): a long X-Ray-Rich GRB detected by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..3189....1S.

[197] K. Tanaka, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB 051022 (=H3950): SXC flight localization is valid.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4137....1T.

[198] Roland Vanderspek, Ed Morgan, Geoff Crew, Carlo Graziani, and Motoko Suzuki. *Possible new X-ray burst source detected by HETE.* AIP. 2005.

[199] A. Yoshida, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, M. Arimoto, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, N. Ishikawa, et al. *GRB051021: a GRB localized by HETE.* 2005. URL: http://adsabs.harvard.edu/abs/2005GCN..4116....1Y.

[200] C. Barraud, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *XRF040701 (=U11548): a bright XRF detected by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2620....1B.

[201] M. Boer, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB 040423 (=H3175): a long GRB localized by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2579....1B.

[202] N. Butler, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB040912 (= H3557): a long GRB or XRF localized by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2701....1B.

[203] J.-P. Dezalay, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB 041211(=H3622): a long GRB localized by the HETE WXM and SXC.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2839....1D.

[204] A. Dullighan, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB040511 (=H3218): a long GRB localized by HETE WXM and SXC.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2588....1D.

[205] E. E. Fenimore, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, T. Sakamoto, et al. *GRB 040924(=H3564): a short, bright GRB localized in real time by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2735....1F.

[206] M. Galassi, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, C. Graziani, M. Matsuoka, Y. Nakagawa, T. Sakamoto, et al. *GRB 041006 (=H3570): an X-ray rich GRB localized in real time by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2770....1G.

[207] S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, et al. *Very bright burst detected from Sgr 1806-20.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2693....1G.

[208] K. Hurley, T. Cline, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, et al. *IPN triangulation of GRB040425 (=H3183).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2583....1H.

[209] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB040228 (H3066, H3067).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2538....1H.

[210] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB040924 (H3564).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2736....1H.

[211] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN/HETE localizations of GRB040810 (=H3489).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2646....1H.

[212] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN/HETE triangulation of GRB040802 (=H3485).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2637....1H.

[213] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, N. Butler, et al. *IPN summary of SGR1806-20 activity in 2004.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2611....1H.

[214] K. Hurley, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, et al. *HETE/IPN localization of GRB040403A (=H3143, a long burst) and GRB040403B(=H3144, a short/hard burst).* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2566....1H.

[215] Y. Nakagawa, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, T. Sakamoto, et al. *GRB 040228 (=H3066?,=H3067?): a long GRB localized by the HETE-2 WXM.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2536....1N.

[216] J.-F. Olive, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *XRF 040912 (=H3557): spectral and temporal properties.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2723....1O.

[217] R. Sato, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB 040319 (=H3128): an X-Ray-Rich GRB localized by the HETE-2 WXM and SXC.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2554....1S.

[218] Y. Urata, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB040825B (=H3510): an XRF localized in real time by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2662....1U.

[219] R. Vanderspek, G. Ricker, J.-L. Atteia, K. Hurley, N. Kawai, D. Lamb, S. Woosley, C. Graziani, E. Fenimore, M. Galassi, T. Donaghy, M. Matsuoka, et al. *On line availability of archival HETE fregate data and lightcurves.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2582....1V.

[220] Y. Yamamoto, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB040916 (= H3558): improved localization from HETE WXM.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2713....1Y.

[221] T. Yamazaki, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Galassi, C. Graziani, M. Matsuoka, Y. Nakagawa, et al. *GRB040916 (= H3558): a long XRF localized by HETE.* 2004. URL: http://adsabs.harvard.edu/abs/2004GCN..2712....1Y.

[222] J.-L. Atteia, N. Kawai, D. Lamb, G. Ricker, S. Woosley, C. Barraud, M. Boer, J.-F. Olive, J.-P. Dezalay, K. Hurley, N. Butler, G. Crew, et al. *GRB030528 (H2724): a long GRB localized by HETE.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2256....1A.

[223] J.-L. Atteia, G. Ricker, K. Hurley, J. G. Jernigan, N. Kawai, D. Lamb, S. Woosley, C. Barraud, M. Boer, J.-F. Olive, J.-P. Dezalay, T. Donaghy, et al. *GRB 031026 (=H2882): evidence for high redshift from prompt.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2432....1A.

[224] N. Butler, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, C. Graziani, E. Fenimore, M. Galassi, M. Matsuoka, T. Sakamoto, et al. *GRB031026 (=H2882): a long, hard spectrum burst localized by HETE.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2429....1B.

[225] T. Donaghy, M. Suzuki, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, et al. *GRB030323 (=H2640): a faint, long GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1954....1D.

[226] T. Donaghy, M. Suzuki, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, et al. *GRB030324 (=H2641): a long GRB localized in real time by the HETE WXM.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1955....1D.

[227] J. Doty, R. Vanderspek, N. Butler, G. Crew, J. Villasenor, G. Monnelly, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB030429 (=H2695): a long GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2211....1D.

[228] M. Galassi, C. Graziani, Y. Shirasaki, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, E. Fenimore, M. Matsuoka, T. Sakamoto, et al. *XRF030824 (=H2821): an X-ray flash localized by the HETE WXM.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2402....1G.

[229] C. Graziani, Y. Shirasaki, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, M. Suzuki, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, et al. *GRB030323 (=H2640): a faint, long GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1956....1G.

[230] K. Hurley, J.-L. Atteia, N. Kawai, D. Lamb, G. Ricker, S. Woosley, C. Barraud, M. Boer, J.-F. Olive, J.-P. Dezalay, N. Butler, G. Crew, et al. *H2768, H2770, and H2771: three bursts from SGR1806-20.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2308....1H.

[231] K. Hurley, J.-L. Atteia, N. Kawai, D. Lamb, G. Ricker, S. Woosley, C. Barraud, M. Boer, J.-F. Olive, J.-P. Dezalay, N. Butler, G. Crew, et al. *HETE detection of burst from SGR1806-20.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2283....1H.

[232] K. Hurley, T. Cline, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, et al. *IPN/HETE summary of recent bursts from SGR1806-20.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2346....1H.

[233] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN triangulation of GRB030413 (small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2135....1H.

[234] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN triangulation of GRB050403 (small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2126....1H.

[235] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, et al. *IPN triangulation of GRB031130 (large error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2457....1H.

[236] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, et al. *IPN triangulation of GRB031120 (two large error boxes).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2454....1H.

[237] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, et al. *IPN upper limit to a GRB associated with SN2003L.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1939....1H.

[238] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, A. von Kienlin, G. Lichti, A. Rau, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, et al. *GRB030929/SN2003jd association unlikely based on IPN localiztion.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2439....1H.

[239] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, et al. *IPN triangulation of GRB030822 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2367....1H.

[240] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of GRB030204 (small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1854....1H.

[241] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of GRB030217 (small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1872....1H.

[242] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB030725 (=H2779, small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2337....1H.

[243] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB030926 (short/hard*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2405....1H.

[244] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB031004A (short/hard, annulus)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2410....1H.

[245] K. Hurley, T. Cline, I. Mitrofanov, S. Charyshnikov, V. Grinkov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, et al. *IPN triangulation of GRB031027 (small error box)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2438....1H.

[246] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB030215C (annulus)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1871....1H.

[247] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB030217 (annulus)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1870....1H.

[248] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB030317 (annulus)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1938....1H.

[249] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB030519B=H2716 (small error box)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2237....1H.

[250] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN/HETE localization of GRB031109 (=H2917 large error box)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2452....1H.

[251] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN/HETE localization of GRB031203B (=H2949: large error box)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2480....1H.

[252] K. Hurley, T. Cline, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, E. Mazets, S. Golenetskii, A. von Kienlin, et al. *IPN triangulation of GRB030518A (annulus)*. 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2230....1H.

[253] K. Hurley, T. Cline, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, I. Mitrofanov, S. Charyshnikov, V. Grinkov, et al. *IPN triangulation of GRB030726 (large error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2333....1H.

[254] K. Hurley, T. Cline, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, A. Rau, et al. *IPN detection of renewed activity from SGR1806-20.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2297....1H.

[255] K. Hurley, T. Cline, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, A. Rau, et al. *IPN triangulation of GRB030519 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2234....1H.

[256] K. Hurley, T. Cline, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wiggger, W. Hajdas, A. Zehnder, G. Ricker, J.-L. Atteia, N. Kawai, et al. *IPN triangulation of GRB030320B (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1944....1H.

[257] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, et al. *IPN triangulation of GRB030115B (small error box).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1819....1H.

[258] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, et al. *IPN triangulation of GRB030115B (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1814....1H.

[259] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, et al. *IPN triangulation of GRB030127 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1833....1H.

[260] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, et al. *IPN triangulation of GRB030215A and GRB030215B (annuli).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1868....1H.

[261] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, et al. *IPN triangulation of GRB030220 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1876....1H.

[262] K. Hurley, T. Cline, A. von Kienlin, G. Lichti, A. Rau, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, et al. *IPN triangulation of GRB031111 (=H2924): small error box.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2443....1H.

[263] K. Hurley, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, et al. *IPN triangulation of GRB030101 (two large error boxes).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1783....1H.

[264] K. Hurley, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, et al. *IPN triangulation of GRB030307 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1937....1H.

[265] K. Hurley, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, et al. *IPN triangulation of GRB030403 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2125....1H.

[266] K. Hurley, E. Mazets, S. Golenetskii, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, G. Ricker, J.-L. Atteia, et al. *IPN triangulation of GRB030301 (annulus).* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1919....1H.

[267] J. G. Jernigan, N. Butler, R. Vanderspek, G. Crew, J. Doty, J. Villasenor, G. Monnelly, T. Cline, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *XRF030416 (=U10897): an X-ray flash localized by the HETE WXM.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2209....1J.

[268] N. Kawai, G. Ricker, J.-L. Atteia, D. Lamb, S. Woosley, J. Villasenor, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, N. Butler, T. Cline, et al. *GRB030115 (=H2533): a long GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1816....1K.

[269] D. Lamb, G. Ricker, J.-L. Atteia, N. Kawai, S. Woosley, C. Barraud, M. Boer, J.-F. Olive, J.-P. Dezalay, K. Hurley, J. Doty, R. Vanderspek, et al. *GRB030519B (=H2716): peak fluxes, fluences, and energy spectrum.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2238....1L.

[270] D. Lamb, G. Ricker, J.-L. Atteia, N. Kawai, S. Woosley, J. Doty, R. Vanderspek, G. Crew, J. Villasenor, G. Monnelly, N. Butler, T. Cline, et al. *GRB030519B (=H2716): a long, bright GRB localized by the HETE WXM.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2235....1L.

[271] J. Moran, A. Henden, D. Lamb, D. York, M. Nysewander, J. Barentine, J. Dembicky, C. Graziani, E. Sheldon, R. Soule, M. Bayliss, H. Cheng, et al. *GRB 030324: optical and NIR observations.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2037....1M.

[272] G. Prigozhin, N. Butler, G. Crew, J. Doty, A. Dullighan, R. Vanderspek, J. Villasenor, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, et al. *XRF030723 (=H2777): an X-ray flash localized by the HETE WXM and.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2313....1P.

[273] Y. Shirasaki, G. Crew, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, C. Graziani, T. Tamagawa, M. Suzuki, M. Matsuoka, et al. *XRF030823 (=H2818): an X-ray flash localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2401....1S.

[274] Y. Shirasaki, C. Graziani, T. Donaghy, M. Matsuoka, M. Suzuki, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, et al. *GRB030418 (=H2686): a long, X-Ray-Rich GRB localized by the HETE WXM.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2210....1S.

[275] Y. Shirasaki, T. Tamagawa, M. Suzuki, C. Graziani, T. Donaghy, M. Matsuoka, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, Y. Nakagawa, et al. *GRB030725 (=H2779): a bright GRB localized by HETE.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2322....1S.

[276] M. Suzuki, C. Graziani, J. Villasenor, G. Crew, R. Vanderspek, M. Galassi, G. Ricker, D. Lamb, N. Kawai, S. Woosley, G. Prigozhin, J. Doty, et al. *GRB030913 (=H2849): a GRB possibly localized by HETE.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2383....1S.

[277] M. Suzuki, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, et al. *GRB030226 (=U10893): a long GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1888....1S.

[278] T. Tamagawa, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, T. Donaghy, C. Graziani, E. Fenimore, M. Galassi, M. Matsuoka, T. Sakamoto, et al. *XRF031109 (=H2919): a very long XRF localized by HETE.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2442....1T.

[279] R. Vanderspek, G. Crew, J. Doty, J. Villasenor, G. Monnelly, N. Butler, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB030329 (=H2652): a long, extremely bright GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1997....1V.

[280] J. Villasenor, N. Butler, G. Crew, J. Doty, G. Prigozhin, R. Vanderspek, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, G. Monnelly, et al. *GRB030528(=H2724): revised SXC localization.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..2261....1V.

[281] J. Villasenor, G. Crew, R. Vanderspek, J. Doty, G. Monnelly, N. Butler, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB030328 (=H2650): a long, bright GRB localized by the HETE WXM and SXC.* 2003. URL: http://adsabs.harvard.edu/abs/2003GCN..1978....1V.

[282] G. Crew, J. G. Jernigan, R. Vanderspek, J. Villasenor, G. Monnelly, J. Doty, N. Butler, T. Cline, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB020819(=H2275): revised localization with HETE soft X-ray camera.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1526....1C.

[283] G. Crew, J. Villasenor, R. Vanderspek, J. Doty, G. Monnelly, N. Butler, T. Cline, J. G. Jernigan, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB021211 (=H2493): a bright, long GRB localized by HETE-2 in near-real time.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1734....1C.

[284] J. Doty, G. Crew, J. G. Jernigan, R. Vanderspek, J. Villasenor, G. Monnelly, N. Butler, T. Cline, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB021004(=H2380): revised localization with HETE soft X-ray.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1568....1D.

[285] E. Fenimore, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, M. Galassi, T. Tavenner, T. Donaghy, Y. Nakagawa, et al. *GRB021112 (=H2448): a long GRB localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1682....1F.

[286] C. Graziani, Y. Shirasaki, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, G. Ricker, et al. *GRB021016(=H2397): a long GRB localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1641....1G.

[287] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN error box for GRB020813.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1483....1H.

[288] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN triangulation of GRB020813.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1482....1H.

[289] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN triangulation of GRB021020 (smaller error box).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1650....1H.

[290] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *IPN triangulation of GRB021023 (small error boc).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1653....1H.

[291] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, et al. *Single IPN error box for GRB020904.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1538....1H.

[292] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, et al. *IPN triangulation of GRB021113 (=H2449, annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1692....1H.

[293] K. Hurley, T. Cline, E. Mazets, S. Golenetskii, D. M. Smith, R. P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, G. Ricker, et al. *IPN triangulation of GRB021025 (portion of annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1663....1H.

[294] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *Further refinement to IPN error box for GRB020531.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1461....1H.

[295] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of GRB020904.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1534....1H.

[296] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of GRB021020.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1648....1H.

[297] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of GRB021201 (short/hard burst, small error box).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1719....1H.

[298] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *IPN triangulation of the short, hard GRB020531 (=H2042).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1402....1H.

[299] K. Hurley, T. Cline, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, et al. *Refined IPN error box for GRB020531.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1407....1H.

[300] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB020819 (HETE 2275).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1507....1H.

[301] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB021016 (small error box).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1639....1H.

[302] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB021025 (annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1656....1H.

[303] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB021104 (annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1676....1H.

[304] K. Hurley, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, et al. *IPN triangulation of GRB021214 (annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1762....1H.

[305] K. Hurley, T. Cline, G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, et al. *IPN triangulation of GRB020124 (HETE 1896).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1223....1H.

[306] K. Hurley, T. Cline, G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, et al. *IPN triangulation of GRB020305 (HETE 1939).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1263....1H.

[307] K. Hurley, E. Mazets, S. Golenetskii, T. Cline, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, et al. *IPN triangulation of GRB021014 (large error box).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1637....1H.

[308] K. Hurley, E. Mazets, S. Golenetskii, T. Cline, G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, et al. *IPN triangulation of GRB020127 (=H1902).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1232....1H.

[309] K. Hurley, E. Mazets, S. Golenetskii, C. Guidorzi, E. Montanari, F. Frontera, M. Feroci, G. Ricker, D. Lamb, S. Woosley, G. Crew, J. Doty, et al. *IPN upper limits to a GRB associated with SN2002ap.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1252....1H.

[310] K. Hurley, I. Mitrofanov, D. Anfimov, A. Kozyrev, M. Litvak, A. Sanin, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, E. Mazets, et al. *IPN triangulation of bursts from SGR1900+14, November 1-2, 2002.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1674....1H.

[311] K. Hurley, G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, N. Butler, et al. *IPN triangulation of GRB021007 (annulus).* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1610....1H.

[312] K. Hurley, G. Ricker, D. Lamb, S. Woosley, G. Crew, J. Doty, G. Monnelly, J. Villasenor, R. Vanderspek, N. Butler, J. G. Jernigan, A. Levine, et al. *IPN/HETE detection of bursts from SGR1900+14.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1253....1H.

[313] J. G. Jernigan, R. Vanderspek, J. Villasenor, G. Monnelly, J. Doty, G. Crew, N. Butler, T. Cline, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB020813(=H2262): revised localization with HETE SXC.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1494....1J.

[314] D. Lamb, G. Ricker, J.-L. Atteia, N. Kawai, S. Woosley, J.-F. Olive, M. Boer, J.-P. Dezalay, K. Hurley, Y. Shirasaki, M. Matsuoka, T. Tamagawa, et al. *HETE fluences for GRB021004.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1600....1L.

[315] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, N. Butler, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, T. Cline, et al. *GRB020625 (=H2081): a long burst localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1442....1R.

[316] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, N. Butler, R. Vanderspek, J. Villasenor, J. G. Jernigan, G. Monnelly, J. Doty, G. Crew, et al. *SGR1900+14 burst localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1525....1R.

[317] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, N. Butler, J. Villasenor, G. Crew, J. Doty, G. Monnelly, R. Vanderspek, T. Cline, et al. *HETE observations of GX354-0 (= MXB1728-34, so-called "Slow burster").* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1393....1R.

[318] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, G. Crew, R. Vanderspek, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, et al. *GRB020124(=H1896): localization of a long GRB by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1220....1R.

[319] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, G. Crew, R. Vanderspek, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, et al. *GRB020127(=H1902): localization of a double-peaked GRB by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1229....1R.

[320] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, N. Butler, T. Cline, et al. *GRB020531(=H2042): a short, hard burst localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1399....1R.

[321] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Doty, R. Vanderspek, J. Villasenor, G. Crew, G. Monnelly, N. Butler, T. Cline, et al. *GRB020812(=H2257): a long burst localized by HETE in near-real time.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1468....1R.

[322] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, R. Vanderspek, J. Doty, J. Villasenor, G. Crew, G. Monnelly, N. Butler, T. Cline, et al. *GRB020903(=H2314): an X-ray flash localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1530....1R.

[323] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, R. Vanderspek, J. Villasenor, G. Crew, J. Doty, G. Monnelly, N. Butler, T. Cline, et al. *GRB020331(=H1963): the "Easter" burst detected by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1315....1R.

[324] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Villasenor, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, N. Butler, T. Cline, et al. *GRB020305 (=H1939): localization of a GRB by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1262....1R.

[325] G. Ricker, J.-L. Atteia, N. Kawai, D. Lamb, S. Woosley, J. Villasenor, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, N. Butler, T. Cline, et al. *GRB020317 (=H1959): localization by HETE of a low fluence GRB.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1280....1R.

[326] T. Sakamoto, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, G. Ricker, et al. *GRB021021(=XRF 021021): an X-ray flash localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1649....1S.

[327] Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, G. Ricker, et al. *GRB021004(=H2380): a long GRB localized by HETE in near-real time.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1565....1S.

[328] T. Tamagawa, Y. Shirasaki, C. Graziani, M. Matsuoka, K. Torii, T. Sakamoto, A. Yoshida, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, Y. Nakagawa, et al. *GRB021104(=H2434): a long, X-ray-rich GRB localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1675....1T.

[329] R. Vanderspek, J. Villasenor, J. G. Jernigan, G. Monnelly, J. Doty, G. Crew, N. Butler, T. Cline, A. Levine, F. Martel, E. Morgan, G. Prigozhin, et al. *GRB020819(=H2275): a long burst localized by the HETE WXM and SXC.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1508....1V.

[330] J. Villasenor, C. Graziani, Y. Shirasaki, G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, J. Doty, G. Crew, G. Monnelly, N. Butler, T. Cline, et al. *GRB020813(=H2262): a long, bright burst localized by HETE in near-real time.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1471....1V.

[331] A. Yoshida, Y. Shirasaki, C. Graziani, M. Matsuoka, T. Tamagawa, K. Torii, T. Sakamoto, E. Fenimore, M. Galassi, T. Tavenner, T. Donaghy, Y. Nakagawa, et al. *GRB021113 (=H2449): a long GRB localized by HETE.* 2002. URL: http://adsabs.harvard.edu/abs/2002GCN..1686....1Y.

[332] K. Hurley, T. Cline, F. Frontera, E. Montanari, C. Guidorzi, M. Feroci, G. Ricker, D. Lamb, R. Woosley, S. Vanderspek, G. Crew, J. Doty, et al. *IPN triangulation of GRB010921 (=H1761).* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1097....1H.

[333] K. Hurley, E. Mazets, S. Golenetskii, D. Lamb, C. Graziani, E. Fenimore, N. Kawai, and J.-L. Atteia. *Revised Location of GRB010326A.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1030....1H.

[334] D. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *SGR1806-20: localization by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1068....1R.

[335] G. Ricker, D. Lamb, S. Woosley, N. Butler, G. Crew, J. Doty, G. Monnelly, G. Prigozhin, R. Vanderspek, J. Villasenor, T. Cline, J. G. Jernigan, et al. *GRB011130 (=XRF011130): revised localization of an X-ray.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1169....1R.

[336] G. Ricker, D. Lamb, S. Woosley, N. Butler, G. Crew, J. Doty, G. Monnelly, G. Prigozhin, R. Vanderspek, J. Villasenor, T. Cline, J. G. Jernigan, et al. *GRB011212 (=H10001): an X-ray rich GRB detected by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1194....1R.

[337] G. Ricker, D. Lamb, S. Woosley, G. Crew, R. Vanderspek, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *GRB010928(=H1770): localization of a long GRB by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1103....1R.

[338] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, N. Butler, G. Crew, J. Doty, G. Monnelly, G. Prigozhin, J. Villasenor, T. Cline, J. G. Jernigan, et al. *GRB011130 (=XRF011130): second revised localization by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1178....1R.

[339] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *GRB010629: A burst localized by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1075....1R.

[340] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *GRB010923(=H1764): A Short Duration GRB Detected by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1102....1R.

[341] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *GRB011130 (=H1864): an X-ray rich GRB detected by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1165....1R.

[342] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *H1761: A Bright GRB Detected by HETE.* 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1096....1R.

[343] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *SGR1806-20: A Second, Intense Burst Localized by HETE*. 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1070....1R.

[344] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *SGR1806-20: A second, intense burst localized by HETE*. 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1073....1R.

[345] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *SGR1900+14: High fluence burst localized by HETE*. 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1078....1R.

[346] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, G. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *SGR1900+14: Second burst localized by HETE*. 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1074....1R.

[347] G. Ricker, D. Lamb, S. Woosley, R. Vanderspek, G. Crew, J. Doty, J. Monnelly, J. Villasenor, N. Butler, T. Cline, J. G. Jernigan, A. Levine, et al. *Probable SGR or short duration GRB detected by HETE*. 2001. URL: http://adsabs.harvard.edu/abs/2001GCN..1089....1R.

Invited Conference Talks

[348] C. Graziani. *Inferring Morphology and Strength of Magnetic Fields From Proton Radiographs*. Omega Laser Facility Users Group Meeting. Rochester, NY, Apr. 2016.

[349] C. Graziani. *The Biermann Catastrophe in Numerical MHD*. Astronum Conference. Avignon, France, June 2015.

[350] C. Graziani. *Comments On Dave Higdon's "Simulation-Aided Inference In Cosmology"*. Statistical Challenges in Modern Astronomy V. State College, PA, June 2011.

[351] C. Graziani. *Type Ia Supernovae: Models Meet Data*. ICIS Workshop on Verification, Validation, and Uncertainty Quantification. Park City, UT, Aug. 2011.

[352] C. Graziani. *Type Ia Supernovae: Models Meet Data*. Chicagoland Computational Cosmology Workshop. Argonne National Laboratory, Lemont, IL, Dec. 2011.

[353] C. Graziani. *FLASH HEDP Co-Design Center: Application, Codes, and Exascale Requirements*. IESP Meeting. Maui, HI, Oct. 2010.

[354] C. Graziani. *HETE-WXM: Fenimorean GRB Localization On A Shoestring*. Symposium in Honor of Ed Fenimore. Los Alamos, NM, Sept. 2009.

[355] C. Graziani. *Predictive Science Methodologies*. Flash Center Supernova Workshop. Chicago, IL, Oct. 2007.

[356] C. Graziani. *Predictive Science Methodologies for Type Ia SN - Dark Energy Problem.* Flash Center Supernova Workshop. Chicago, IL, Sept. 2006.

Seminars and Colloquia

[357] C. Graziani. *Deep Learning of Distributions.* University of Iowa Department of Mathematics Colloquium. Iowa City, IA, Oct. 2019.

[358] C. Graziani. *Bayesian Parameter Estimation for Non-Linear Dynamical Systems.* LANS Seminar. Argonne National Laboratory, June 2019.

[359] C. Graziani. *Better Forecasting Through Information Theory.* EVS Seminar. Argonne National Laboratory, Feb. 2018.

[360] C. Graziani. *Re-Calibration of Probabilistic Forecasts.* LANS Seminar. Argonne National Laboratory, Jan. 2018.

[361] C. Graziani. *Laser Plasma Selfies With Proton Beams.* University of Chicago Astronomy Department Tuesday Chalk Talk. Chicago, IL, May 2017.

[362] C. Graziani. *The Biermann Catastrophe in Numerical MHD.* University of Chicago Computation in Science Seminar. Chicago, IL, Feb. 2016.

[363] C. Graziani. *The Biermann Catastrophe of Numerical MHD.* University of Chicago Astronomy Department Tuesday Chalk Talk. Chicago, IL, Dec. 2015.

[364] C. Graziani. *Type Ia Supernovae: Models Meet Data.* Seminar, University of Chicago Working Group on Statistical Challenges in Operational Forecasting. Chicago, IL, May 2014.

[365] C. Graziani. *A Random Walk Through The Mathematics of High-Performance Computing.* University of Chicago Computation Institute Seminar. Chicago, IL, Apr. 2014.

[366] C. Graziani. *Stellar Velocity Modes.* Flash Center Astronomy Group Seminar. Chicago, IL, Oct. 2013.

[367] C. Graziani. *Fuzzy Functions: An Introduction To Gaussian Process Modeling Lecture 1.* Flash Center for Computational Science Lecture. Chicago, IL, Feb. 2009.

[368] C. Graziani. *Fuzzy Functions: An Introduction To Gaussian Process Modeling Lecture 2.* Flash Center for Computational Science Lecture. Chicago, IL, Feb. 2009.

[369] C. Graziani. *Fuzzy Functions: An Introduction To Gaussian Process Modeling Lecture 3.* Flash Center for Computational Science Lecture. Chicago, IL, Feb. 2009.

[370] C. Graziani. *Blowing Up Stars For Fun And Profit.* Colloquium, University of Louisville Department of Physics and Astronomy. Louisville, KY, Sept. 2007.

[371] C. Graziani. *Gaussian Process Modeling of Multi-Color Type Ia Light Curves.* SNack Lunchtime Talk, University of Chicago Department of Astronomy. Chicago, IL, May 2007.

[372] C. Graziani. *Evidence From HETE-2 For GRB Evolution With Redshift*. Colloquium, Northwestern University Department of Physics and Astronomy. Evanston, IL, Feb. 2004.

Contributed Conference Talks

[373] C. Graziani. *Deep Probabilistic Forecasting*. Workshop: Scientific Machine Learning and Uncertainty Quantification. University of Southern California, June 2018.

[374] C. Graziani. *Distributional Deep Learning*. Workshop: Advanced Statistical Methods Meet Machine Learning. Argonne National Laboratory, Sept. 2018.

[375] C. Graziani. *The Biermann Catastrophe in Numerical MHD*. APS Division of Plasma Physics Meeting. New Orleans, LA, Nov. 2014.

[376] C. Graziani. *Gaussian Process Supernova Spectra*. Flash Center Supernova Workshop. Chicago, IL, Oct. 2007.

[377] C. Graziani. *Gamma-Ray Burst Jet Profiles And Their Signatures*. GAMMA-RAY BURSTS IN THE SWIFT ERA: Sixteenth Maryland Astrophysics Conference. Washington, DC, Nov. 2005.

[378] C. Graziani. *Likelihood Analysis of GRB Evolution With Redshift*. Gamma-ray burst in the afterglow era, 4th Workshop. Rome, Italy, Oct. 2004.

[379] C. Graziani. *Evidence From HETE-2 For GRB Evolution With Redshift*. GAMMA-RAY BURSTS: 30 YEARS OF DISCOVERY: Gamma-Ray Burst Symposium. Santa Fe, NM, Sept. 2003.

[380] C. Graziani. *Astrometric Calibration and Estimate of the Systematic Error in WXM Localizations Obtained by the Chicago Bayesian Method*. GAMMA-RAY BURST AND AFTERGLOW ASTRONOMY 2001: A Workshop Celebrating the First Year of the HETE Mission. Woods Hole, MA, Nov. 2001.

[381] C. Graziani. *Are the Four Gamma-Ray Bursts of 1996 October 27-29 Due to Repetition of a Single Source?* Fourth Huntsville Gamma Ray Burst Symposium. Huntsville, AL, Sept. 1997.

[382] C. Graziani. *Analysis of the Systematic Errors in the Positions of BATSE Catalog Bursts*. Gamma Ray Bursts, Third Huntsville Symposium. Huntsville, AL, Oct. 1995.

[383] C. Graziani. *Likelihood Methods and Classical Burster Repetition*. High Velocity Neutron Stars and Gamma Ray Bursts. La Jolla, CA, Mar. 1995.

[384] C. Graziani. *Evidence for Two Distinct Morphological Classes of Gamma-Ray Bursts*. Gamma Ray Bursts, Second Workshop. Huntsville, AL, Oct. 1993.

[385] C. Graziani. *Establishing the Existence of Harmonically-Spaced Lines in Gamma-Ray Burst Spectra using Bayesian Inference*. Compton Gamma-Ray Observatory Symposium. St. Louis, MO, Oct. 1992.

[386] C. Graziani. *Line Strength Variations in Gamma-Ray Burst GB870303: Possible evidence of Neutron Star Rotation*. Conference on Gamma Ray Bursts. Huntsville, AL, Oct. 1991.

[387] C. Graziani. *Cyclotron Line Strength Variations in Gamma-Ray Burst GB870303: Possible Evidence of Neutron Star Rotation*. Los Alamos Workshop on Gamma-Ray Bursts. Taos, NM, Aug. 1990.

Other Presentations

[388] C. Graziani. *A Bit Of Gamma-Ray Bursts*. Guest lecture to teachers participating in NASA All-Stars Multiwavelength Astronomy Curriculum Development program operated by the Chicago Public Schools/University of Chicago Internet Project (CUIP). Chicago, IL, Aug. 2012.

[389] C. Graziani. *A Bit Of Gamma-Ray Bursts*. Guest lecture to teachers participating in NASA All-Stars Multiwavelength Astronomy Curriculum Development program operated by the Chicago Public Schools/University of Chicago Internet Project (CUIP). Chicago, IL, July 2010.

[390] C. Graziani. *Gamma-Ray Bursts As Standard Candles*. Guest Lecture for Graduate Course on Special Topics at the University of Chicago Astronomy Department. Chicago, IL, Feb. 2010.

[391] C. Graziani. *Gamma-Ray Bursts: Introduction and Overview*. Guest Lecture for Graduate Course on Special Topics at the University of Chicago Astronomy Department. Chicago, IL, Feb. 2010.

[392] C. Graziani. *GRB Energy-Spectrum Correlations For Fun And Profit*. Guest Lecture for Graduate Course on Gamma-Ray Bursts at the University of Chicago Astronomy Department. Chicago, IL, May 2006.

[393] C. Graziani. *GRB Missions, Instrumentation, and Data*. Guest Lecture for Graduate Course on Gamma-Ray Bursts at the University of Chicago Astronomy Department. Chicago, IL, Mar. 2006.

[394] C. Graziani. *Gamma-Ray Bursts: The Cracking of a Cold Case*. Adler Planetarium Public Lecture. May 2005.

[395] C. Graziani. *A Bit of Gamma-Ray Bursts*. Adler Planetarium Public Lecture. Sept. 2004.

Sponsor Reports

NSF Award AST-0909132, "Petascale Computing of Thermonuclear Supernova Explosions":
Assisted with writing annual reports, 2010-2013
Assisted with writing final report, 2014

INCITE 2013 award: "Next-Generation Petascale Simulations of Type Ia Supernovae"
Co-wrote quarterly reports

INCITE 2012 award: "Toward Exascale Computing of Type Ia and Ib,c Supernovae: V&V of Current Models"
Co-wrote quarterly reports

INCITE 2011 award: "Study of Buoyancy-Driven Turbulent Nuclear Burning and Validation of Type Ia Supernova Models"
Co-wrote quarterly reports

INCITE 2010 award: "Study of Buoyancy-Driven Turbulent Nuclear Burning and Validation of Type Ia Supernova Models"
Assisted with writing final report

Leadership Roles

Associate Director, Flash Center for Computational Science	February-November 2013
Astronomy Group Leader, Flash Center for Computational Science	2012-2014
V&V/UQ Group Leader, Flash Exascale Codesign Center	June 2010-January 2011
HETE Wide-Field X-Ray Monitor (WXM) imaging software lead	1994-2007

Conferences Co-Organized

ICIS Workshop on Verification, Validation, and Uncertainty Quantification, August 6-13 2011, Park City, Utah

Symposium in Honor of Don Lamb, October 28 2005, University of Chicago, Chicago, IL

75th Anniversary Astronomical Debate: The Distance Scale to Gamma Ray Bursts
22 April 1995, Baird Auditorium, Natural History Museum, The Smithsonian Institution, Washington, DC.

Computing Resource Awards

Co-Investigator
INCITE 2013 award: "Next-Generation Petascale Simulations of Type Ia Supernovae" (PI Don Lamb).
105,000,000 core-hours, 75M on *Mira* and 30M on *Intrepid* at ANL

Co-Investigator
INCITE 2013 award: "Transformative Simulation of Shock-Generated Magnetic Fields" (PI M Fatenejad).
40,000,000 core-hours, 20M on *Mira* and 20M on *Intrepid* at ANL

Co-Investigator
INCITE 2012 award: "Toward Exascale Computing of Type Ia and Ib,c Supernovae: V&V of Current Models" (PI Don Lamb).
40,000,000 core-hours on *Intrepid* at ANL

Co-Investigator
INCITE 2011 award: "Study of Buoyancy-Driven Turbulent Nuclear Burning and Validation of Type Ia Supernova Models" (PI Don Lamb).
80,000,000 core-hours on *Intrepid* at ANL

Co-Investigator
INCITE 2010 award: "Study of Buoyancy-Driven Turbulent Nuclear Burning and Validation of Type Ia Supernova Models" (PI Don Lamb).
70,000,000 core-hours on *Intrepid* at ANL

Significant External Software

Collaborated on the development of `FLASH` code units, including the corrected Biermann Battery term, the improved multipole gravity solver, particle distribution routines, and electron entropy advection support in EOS and hydro units. Developed proton radiography imaging code that is scheduled for inclusion as an analysis tool in a future release of `FLASH`.