

List of Publications

JOSHUA SIMON BLOOM

Scientific Journals:

1. Fenimore, E. E. & **Bloom, J. S.**
Determination of Distance from Time Dilation of Cosmological Gamma-Ray Bursts.
Astrophysical Journal, 453: 25 (1995)
2. van Paradijs, J., Groot, P. J., Galama, T., Kouveliotou, C., Strom, R. G., Telting, J., Rutten, R. G. M., Fishman, G. J., Meegan, C. A., Pettini, M., Tanvir, N., **Bloom, J.**, Pedersen, H., Nordgaard-Nielsen, H. U., Linden-Vornle, M., Melnick, J., van der Steene, G., Bremer, M., Naber, R., Heise, J., in 't Zand, J., Costa, E., Feroci, M., Piro, L., Frontera, F., Zavattini, G., Nicastro, L., Palazzi, E., Bennet, K., Hanlon, L., & Parmar, A.
Transient optical emission from the error box of the gamma-ray burst of 28 February 1997.
Nature, 386: 686–689 (1997)
3. Galama, T., Groot, P. J., van Paradijs, J., Kouveliotou, C., Robinson, C. R., Fishman, G. J., Meegan, C. A., Sahu, K. C., Livio, M., Petro, L., Macchetto, F. D., Heise, J., in 't Zand, J., Strom, R. G., Telting, J., Rutten, R. G. M., Pettini, M., Tanvir, N., & **Bloom, J.**
The decay of optical emission from the gamma-ray burst GRB 970228.
Nature, 387: 479 (1997)
4. Natarajan, P., **Bloom, J. S.**, Sigurdsson, S., Johnson, R. A., Tanvir, N. R., Groot, P. J., Galama, T. J., van Paradijs, J., & Kouveliotou, C.
The host to gamma-ray burst 970508: a distant dwarf galaxy.
New Astronomy, 2: 471–475 (1997)
5. **Bloom, J. S.**, Sigurdsson, S., Wijers, R. A. M. J., Almaini, O., Tanvir, N. R., & Johnson, R. A.
Using STIS to find gamma-ray burst redshifts.
Monthly Notices of the Royal Astronomical Society, 292: L55–L58 (1997)
6. Ramaprakash, A. N., Kulkarni, S. R., Frail, D. A., Koresko, C., Kuchner, M., Goodrich, R., Neugebauer, G., Murphy, T., Eikenberry, S., **Bloom, J. S.**, Djorgovski, S. G., Waxman, E., Frontera, F., Feroci, M., & Nicastro, L.
The energetic afterglow of the gamma-ray burst of 14 December 1997.
Nature, 393: 43–46 (1998)
7. Kulkarni, S. R., Frail, D. A., Wieringa, M. H., Ekers, R. D., Sadler, E. M., Wark, R. M., Higdon, J. L., Phinney, E. S., & **Bloom, J. S.**
Radio emission from the unusual supernova 1998bw and its association with the gamma-ray burst of 25 April 1998.
Nature, 395: 663–669 (1998)
8. Kulkarni, S. R., Djorgovski, S. G., Ramaprakash, A. N., Goodrich, R., **Bloom, J. S.**, Adelberger, K. L., Kundic, T., Lubin, L., Frail, D. A., Frontera, F., Feroci, M., Nicastro, L., Barth, A. J., Davis, M., Filippenko, A. V., & Newman, J.
Identification of a host galaxy at redshift $z = 3.42$ for the gamma-ray burst of 14 December 1997.
Nature, 393: 35–39 (1998)

9. Groot, P. J., Galama, T. J., van Paradijs, J., Kouveliotou, C., Wijers, R. A. M. J., **Bloom, J.**, Tanvir, N., Vanderspek, R., Greiner, J., Castro-Tirado, A. J., Gorosabel, J., von Hippel, T., Lehnert, M., Kuijken, K., Hoekstra, H., Metcalfe, N., Howk, C., Conselice, C., Telting, J., Rutten, R. G. M., Rhoads, J., Cole, A., Pisano, D. J., Naber, R., & Schwarz, R.
A Search for Optical Afterglow from GRB 970828.
Astrophysical Journal (Letters), 493: L27 (1998)
10. **Bloom, J. S.**, Kulkarni, S. R., Harrison, F., Prince, T., Phinney, E. S., & Frail, D. A.
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Astrophysical Journal (Letters), 506: L105–L108 (1998)
11. Wijers, R. A. M. J., **Bloom, J. S.**, Bagla, J. S., & Natarajan, P.
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Optical Follow-Up of GRB 970508.
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The Host Galaxy of GRB 970508.
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14. Djorgovski, S. G., Kulkarni, S. R., **Bloom, J. S.**, Goodrich, R., Frail, D. A., Piro, L., & Palazzi, E.
Spectroscopy of the Host Galaxy of the Gamma-Ray Burst 980703.
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15. **Bloom, J. S.**, Frail, D. A., Kulkarni, S. R., Djorgovski, S. G., Halpern, J. P., Marzke, R. O., Patton, D. R., Oke, J. B., Horne, K. D., Gomer, R., Goodrich, R., Campbell, R., Moriarty-Schieven, G. H., Redman, R. O., Feldman, P. A., Costa, E., & Masetti, N.
The Discovery and Broadband Follow-up of the Transient Afterglow of GRB 980703.
Astrophysical Journal (Letters), 508: L21–L24 (1998)
16. Odewahn, S. C., Djorgovski, S. G., Kulkarni, S. R., Dickinson, M., Frail, D. A., Ramaprakash, A. N., **Bloom, J. S.**, Adelberger, K. L., Halpern, J., Helfand, D. J., Bahcall, J., Goodrich, R., Frontera, F., Feroci, M., Piro, L., & Costa, E.
The Host Galaxy of the Gamma-Ray Burst 971214.
Astrophysical Journal (Letters), 509: L5–L8 (1998)
17. Kulkarni, S. R., Djorgovski, S. G., Odewahn, S. C., **Bloom, J. S.**, Gal, R. R., Koresko, C. D., Harrison, F. A., Lubin, L. M., Armus, L., Sari, R., Illingworth, G. D., Kelson, D. D., Magee, D. K., van Dokkum, P. G., Frail, D. A., Mulchaey, J. S., Malkan, M. A., McClean, I. S., Teplitz, H. I., Koerner, D., Kirkpatrick, D., Kobayashi, N., Yadigaroglu, I.-A., Halpern, J., Piran, T., Goodrich, R. W., Chaffee, F. H., Feroci, M., & Costa, E.
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19. **Bloom, J. S.**, Kulkarni, S. R., Djorgovski, S. G., Eichelberger, A. C., Cote, P., Blakeslee, J. P., Odewahn, S. C., Harrison, F. A., Frail, D. A., Filippenko, A. V., Leonard, D. C., Riess, A. G., Spinrad, H., Stern, D., Bunker, A., Dey, A., Grossan, B., Perlmutter, S., Knop, R. A., Hook, I. M., & Feroci, M.
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20. **Bloom, J. S.**, Sigurdsson, S., & Pols, O. R.
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Monthly Notices of the RAS, 305: 763–769 (1999)
21. **Bloom, J. S.**, Odewahn, S. C., Djorgovski, S. G., Kulkarni, S. R., Harrison, F. A., Koresko, C., Neugebauer, G., Armus, L., Frail, D. A., Gal, R. R., Sari, R., Squires, G., Illingworth, G., Kelson, D., Chaffee, F. H., Goodrich, R., Feroci, M., Costa, E., Piro, L., Frontera, F., Mao, S., Akerlof, C., & McKay, T. A.
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23. Harrison, F. A., **Bloom, J. S.**, Frail, D. A., Sari, R., Kulkarni, S. R., Djorgovski, S. G., Axelrod, T., Mould, J., Schmidt, B. P., Wieringa, M. H., Wark, R. M., Subrahmanyan, R., McConnell, D., McCarthy, P. J., Schaefer, B. E., McMahan, R. G., Markze, R. O., Firth, E., Soffitta, P., & Amati, L.
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27. Taylor, G. B., **Bloom, J. S.**, Frail, D. A., Kulkarni, S. R., Djorgovski, S. G., & Jacoby, B. A.
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30. Berger, E., Sari, R., Frail, D. A., Kulkarni, S. R., Bertoldi, F., Peck, A. B., Menten, K. M., Shepherd, D. S., Moriarty-Schieven, G. H., Pooley, G., **Bloom, J. S.**, Diercks, A., Galama, T. J., & Hurley, K.
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Astrophysical Journal, 545: 56–62 (2000)
31. **Bloom, J. S.**, Frail, D. A., & Sari, R.
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Astronomical Journal, 121: 2879–2888 (2001)
32. Price, P. A., Harrison, F. A., Galama, T. J., Reichart, D. E., Axelrod, T. S., Berger, E., **Bloom, J. S.**, Busche, J., Cline, T., Diercks, A., Djorgovski, S. G., Frail, D. A., Gal-Yam, A., Halpern, J., Holtzman, J. A., Hunt, M., Hurley, K., Jacoby, B., Kimble, R., Kulkarni, S. R., Mirabal, N., Morrison, G., Ofek, E., Pevunova, O., Sari, R., Schmidt, B. P., Turnshek, D., & Yost, S.
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43. Price, P. A., Berger, E., Kulkarni, S. R., Djorgovski, S. G., Fox, D. W., Mahabal, A., Hurley, K., **Bloom, J. S.**, Frail, D. A., Galama, T. J., Harrison, F. A., Morrison, G., Reichart, D. E., Yost, S. A., Sari, R., Axelrod, T. S., Cline, T., Golenetskii, S., Mazets, E., Schmidt, B. P., & Trombka, J.
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Astrophysical Journal (Letters), 584: L47–L51 (2003)
52. Galama, T. J., Reichart, D., Brown, T. M., Kimble, R. A., Price, P. A., Berger, E., Frail, D. A., Kulkarni, S. R., Yost, S. A., Gal-Yam, A., **Bloom, J. S.**, Harrison, F. A., Sari, R., Fox, D., & Djorgovski, S. G.
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Rapid Communications:

- Author on 234 GRB Coordinates Network Circulars (3.7% of all GCN circulars).
See <http://grad40.as.utexas.edu/grblog.php?author=Bloom>
- Author on 9 International Astronomical Union (IAU) Circulars and 8 Astronomer's Telegrams (ATel)

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