

TITLE: GCN GRB OBSERVATION REPORT
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SUBJECT: GRB010222: R-band fading behavior
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K. Z. Stanek, S. Jha, J. McDowell, R. Kilgard, J. Roll
(Harvard-Smithsonian CfA), P. M. Garnavich (Notre Dame) and J. Kaluzny
(Copernicus Astronomical Center) report:

R-band observations of the optical afterglow of the GRB010222 carried out with the F. L. Whipple Observatory 1.2m telescope, starting at UT 11:10 (3.8 hours after the burst), indicate a fading behavior of the source at 14:52:12.55 +43:01:06.2 (J2000):

HJD-2450000	UT	R_c	exp
1962.9610	010222 11:10	18.18+-0.02	600 sec
1962.9695	010222 11:23	18.21+-0.02	600 sec
1963.0106	010222 12:22	18.36+-0.02	600 sec

Errors in the magnitudes are statistical only. The R-band magnitudes are relative to star "A" as marked in the finding chart at <http://cfa-www.harvard.edu/cfa/oir/Research/GRB/>, assuming its magnitude R=17.0 (see GCN 963). Our comparison star is different from the star "A" of Henden & Vrba (GCN 967), which is saturated in our images. These data should not be combined with that of Henden & Vrba unless using common comparison stars.

We have also obtained UBVI observations of the afterglow, reductions of which are under way.

This message can be cited.