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GRB 141121A: AMI 15 GHz detection

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FROM: Gemma Anderson at U of Oxford <gemma.anderson@astro.ox.ac.uk>

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We observed the position of GRB 141121A (Lien et al., GCN 17075) at 15 GHz with the Arcminute Microkelvin Imager (AMI-LA) starting on 2014 Nov 24.17 to 24.33 UT, corresponding to 3 days post-burst. We have detected a radio source coincident with the optical counterpart (Tanga et al., GCN 17078) with a preliminary flux of 0.46 ± 0.05 mJy.

Earlier observations were conducted on 2014 Nov 21.16 to 21.25 UT and Nov 22.05 to 22.21 UT, corresponding to <6 minutes and 0.9 days post-burst, yielding a 3 sigma flux upper limit of 0.26 mJy and a marginal detection of 0.18 ± 0.06 mJy, respectively.

Further AMI monitoring is planned. We thank the AMI staff for scheduling these observations.