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GRB 130603B: AMI-LA 15GHz observations

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TITLE: GCN CIRCULAR
NUMBER: 14769
SUBJECT: GRB 130603B: AMI-LA 15GHz observations
DATE: 13/06/05 11:38:07 GMT
FROM: Tim Staley at U of Southampton <Tim.Staley@soton.ac.uk>

T.D. Staley, G.E. Anderson, R.P. Fender (U. of Southampton),
A. Rowlinson, A.J. van der Horst (U. of Amsterdam), D.J. Titterington,
C. Rumsey (MRAO) report on behalf of the 4 Pi Sky / AMI team:

We have observed the position of the GRB 130603B afterglow at multiple epochs with the AMI Large Array at 15 GHz. Our initial observation was for one hour starting at 15:53:42 UT on June 3rd, just under 5 minutes after the GRB trigger time (GCN 14735). We also made longer observations, at 3.12 and 22.8 hours post-burst. We do not detect the afterglow in our preliminary reductions.

Preliminary analysis gives 3-sigma upper limits as follows:

Start (Hrs post burst) Duration (hrs) 3-sigma upper limit
0.08 1 0.6 mJy
3.12 3 0.21 mJy
22.8 3 0.3 mJy

Further observations are scheduled.

These observations were initially triggered via the system described in Staley et. al (2013, MNRAS, 428, 3114).