

1 SUPPLEMENTARY MATERIAL

Table 1: VLA flux densities of MAXI J1836–194. α is the radio spectral index. Quoted 1σ errors are uncertainties to the fitted source model.

Date (UT)	MJD	Frequency (GHz)	Flux density (mJy)	Q (mJy beam ⁻¹)	U (mJy beam ⁻¹)	α
2012 Sep 03	55807.1	4.60	27.2±0.3	0.24±0.05	-0.29±0.06	0.64±0.03
		7.90	38.4±0.5	0.67±0.06	-0.49±0.07	
2011 Sep 05	55809.1	5.00	23.2±0.3	0.08±0.02	-0.08±0.02	0.84±0.04
		7.45	32.5±0.4	0.18±0.02	-0.16±0.02	
2011 Sep 07	55811.2	1.50	18.1±0.4	–	–	0.51±0.01
		5.00	28.6±0.7	0.25±0.07	-0.13±0.07	
		7.45	39.3±0.9	0.58±0.09	-0.08±0.08	
		20.80	68±2	–	–	
		25.90	79±2	–	–	
		32.02	88±5	–	–	
		41.00	87±8	–	–	
2011 Sep 09	55813.2	1.60	24.9±0.5	–	–	0.43±0.01
		5.00	33.7±0.6	-0.00±0.06	-0.15±0.05	
		7.45	41.4±0.9	0.29±0.05	-0.49±0.05	
		20.80	66±2	–	–	
		25.90	73±2	–	–	
		32.02	95±5	–	–	
2011 Sep 12	55816.1	41.00	108±6	–	–	0.10±0.01
		1.60	36.7±0.6	–	–	
		5.00	36.6±0.8	0.93±0.05	-0.94±0.05	
		7.45	39.5±0.8	0.72±0.05	-0.74±0.04	
		20.80	47±2	–	–	
		25.90	48±2	–	–	
		32.02	51±3	–	–	
2011 Sep 13	55817.0	41.00	55±3	–	–	0.14±0.01
		1.60	29.0±0.5	–	–	
		5.00	31.0±0.4	0.72±0.06	-0.92±0.06	
		7.45	33.1±0.4	0.62±0.05	-0.86±0.05	
		20.80	40.7±1	–	–	
		25.90	44±2	–	–	
2011 Sep 18	55822.0	32.02	46±3	–	–	0.13±0.01
		41.00	46±3	–	–	
		1.50	37±1	–	–	
		5.00	34.7±0.4	0.85±0.06	-0.85±0.06	
		7.45	36.9±0.9	0.62±0.06	-0.59±0.06	
		20.80	44±1	–	–	
2011 Sep 18	55822.9	25.90	46±2	–	–	0.14±0.01
		32.02	50±2	–	–	
		41.00	441±3	–	–	
		1.56	33±2	–	–	
		5.00	29.7±0.4	0.72±0.07	-0.75±0.07	
		7.45	31.3±0.4	0.58±0.06	-0.56±0.06	
2011 Sep 23	55827.061	20.80	35.5±0.7	–	–	0.34±0.02
		25.90	38±2	–	–	
		32.02	44±2	–	–	
		41.00	37±2	–	–	
		5.00	32.7±0.8	–	–	
		7.45	34.0±0.8	–	–	
2011 Sep 26	55830.9	20.80	51±2	–	–	0.51±0.02
		25.90	54±2	–	–	
		32.02	62±3	–	–	
		41.00	66±4	–	–	
		5.00	14.1±0.4	–	–	
7.45	14.8±0.4	–	–			

Date	MJD	Frequency (GHz)	Flux density (mJy)	Q (mJy beam ⁻¹)	U (mJy beam ⁻¹)	α
2011 Sep 26	55830.9	20.80	27±1	–	–	0.51±0.02
		25.90	30±1	–	–	
		31.52	36±2	–	–	
		37.52	40±2	–	–	
2011 Sep 30	55834.0	5.26	11.3±0.3	–	–	0.57±0.02
		7.45	11.7±0.3	–	–	
		20.80	23.5±0.9	–	–	
		25.90	26±1	–	–	
		31.52	30±2	–	–	
2011 Oct 07	55841.9	37.52	32±2	–	–	0.59±0.03
		5.26	8±0.3	–	–	
		7.45	8±0.3	–	–	
		20.80	17.5±0.9	–	–	
		25.90	19.3±0.9	–	–	
2011 Oct 12	55846.0	31.52	22±2	–	–	0.55±0.03
		37.52	25±2	–	–	
		5.26	5.0±0.3	–	–	
		7.45	5.7±0.2	–	–	
		20.80	9.8±0.5	–	–	
2011 Oct 22	55856.9	25.90	12.2±0.7	–	–	0.25±0.04
		31.52	14±1	–	–	
		37.52	14±1	–	–	
		5.26	3.8±0.2	–	–	
		7.45	4.0±0.2	–	–	
2011 Nov 01	55866.9	20.80	5.3±0.4	–	–	0.33±0.06
		25.90	5.6±0.4	–	–	
		31.52	5.8±0.6	–	–	
		37.52	5.7±0.8	–	–	
		5.26	1.5±0.1	–	–	
2011 Nov 11	55876.8	7.45	1.46±0.08	–	–	0.4±0.1
		20.80	1.9±0.2	–	–	
		25.90	2.6±0.4	–	–	
		31.52	2.6±0.4	–	–	
		37.52	3.2±0.7	–	–	
2011 Nov 18	55883.9	5.26	0.8±0.2	–	–	0.5±0.1
		7.45	0.8±0.1	–	–	
		20.80	1.0±0.1	–	–	
		25.90	1.5±0.2	–	–	
2011 Dec 03	55898.8	5.26	0.33±0.03	–	–	0.7±0.1
		7.45	0.31±0.06	–	–	
		20.80	0.6±0.1	–	–	
		25.90	0.8±0.1	–	–	
		5.26	0.19±0.04	–	–	
		7.45	0.25±0.02	–	–	
		20.80	0.49±0.07	–	–	
		25.90	0.5±0.1	–	–	