
Supplementary information

A long-period radio transient active for three decades

In the format provided by the
authors and unedited

Table 1: Individual pulse statistics. For pulses split across multiple observations, only a single barycentred time-of-arrival is given, which is used in the timing analysis. Peak flux densities are the maxima observed in a given light curve. Fluences are calculated by multiplying the light curve by the sample time; for faint pulses where the light curves are dominated by noise, only flux densities $> 3\sigma$ are used. Flux densities and fluences are also displayed scaled to a common frequency of 1 GHz using Equation 1 in Methods.

Pulse number	Observation start time (UTC)	Barycentered TOA (MJD)	Telescope	Frequency (MHz)	Peak flux density		Fluence	
					At freq (Jy)	At 1 GHz (mJy)	At freq (Jy s)	At 1 GHz (Jy s)
1	1988-09-23 22:12	47427.92600	VLA	327	6.43	374	64.3	3.74
301475	2001-04-28 11:30	52027.48315	VLA	327	0.974	56.7	28.0	1.63
301480	2001-04-28 13:21	52027.55989	VLA	327	1.19	69.5	47.4	2.76
309643	2001-08-31 02:20	52152.10184	VLA	327	2.01	117	106	6.18
326337	2002-05-12 19:05	52406.80046	GMRT	240	3.42	116	245	8.32
326343	2002-05-12 21:16	52406.89146	GMRT	240	0.956	32.4	107	3.63
458391	2007-11-17 12:54	54421.53419	GMRT	240	4.43	150	210	7.12
459178	2007-11-29 13:06	54433.54160	GMRT	240	1.44	49.0	24.2	0.823
459179	2007-11-29 13:27	54433.55676	GMRT	240	1.54	52.3	114	3.87
460158	2007-12-14 11:58	54448.49375	GMRT	240	4.73	161	80.4	2.73
596691	2013-08-27 13:26	56531.56287	MWA	118	8.9	131	270	3.99
613363	2014-05-08 22:05	56785.92460	GMRT	322	1.0	56.5	42.7	2.41
629052	2015-01-03 07:06	57025.29156	GMRT	322	2.04	115	80.7	4.56
629059	2015-01-03 09:41	57025.39809	GMRT	322	1.84	104	13.6	0.77
629960	2015-01-17 03:33	57039.14477	GMRT	322	6.08	344	107	6.06
629967	2015-01-17 06:08	57039.25046	GMRT	322	0.744	42.1	3.1	0.175
707985	2018-04-21 13:27	58229.56424	VLITE	341	3.83	242	26.3	1.66
	2018-04-21 13:29		VLITE	341				
711401	2018-06-12 16:11	58281.68106	MWA	154	1.84	34.8	101	1.92
	2018-06-12 16:13		MWA	185				
776151	2021-02-24 13:37	59269.56489	VLITE	341	1.45	91.6	14.3	0.9
803613	2022-04-19 13:09	59688.55009	VLITE	341	1.02	64.2	21.9	1.38
804716	2022-05-06 08:59	59705.37894	VLITE	341	3.25	205	47.6	3.0
805500	2022-05-18 08:03	59717.33988	VLITE	341	0.743	46.8	9.46	0.597
805576	2022-05-19 11:53	59718.49964	VLITE	341	2.05	129	32.6	2.05
808340	2022-06-30 15:52	59760.66994	MWA	200	3.38	87.9	45.4	1.18
808341	2022-06-30 16:17	59760.68470	MWA	201	2.04	53.2	33.8	0.882
809254	2022-07-14 14:36	59774.61467	MWA	200	1.42	36.9	45.2	1.18
809255	2022-07-14 14:56	59774.62898	MWA	200	1.62	42.0	49.5	1.29
809319	2022-07-15 14:25	59775.60647	MWA	155	1.66	31.5	12.8	0.243
809320	2022-07-15 14:44	59775.62127	MWA	185	8.67	203	201	4.7
	2022-07-15 15:04		MWA	216				
809321	2022-07-15 15:09	59775.63615	MWA	155	3.25	94.2	36.7	1.06
	2022-07-15 16:33		MWA	216				
809325	2022-07-15 16:38	59775.69780	MWA	155	2.43	70.4	110	3.2
	2022-07-15 16:53		MWA	155				
809326	2022-07-15 16:58	59775.71247	MWA	185	3.23	61.3	63.5	1.2
	2022-07-17 12:28		MWA	216				
809445	2022-07-17 12:33	59777.52809	MWA	155	3.63	105	110	3.17
	2022-07-17 12:31		Murriyang	1792	0.15	1160	0.193	1.48
809445	2022-07-17 12:53	59777.52770	MWA	185	2.52	59.2	40.5	0.95
809446	2022-07-20 19:12	59777.54308	MeerKAT	807	0.106	54.9	6.32	3.29
809660	2022-07-22 14:27	59782.60850	MWA	154	1.19	22.4	4.01	0.0757
809778	2022-07-22 14:47		MWA	118				
809779	2022-07-22 14:52	59782.62433	MWA	154	10.3	153	236	3.49
809780	2022-07-22 15:12	59782.63932	MWA	119	2.81	41.6	118	1.75
	2022-07-23 14:58		MWA	216				
809845	2022-07-23 15:03	59783.63146	MWA	88	8.02	232	197	5.7
	2022-07-23 15:18		MWA	185				
809846	2022-07-23 15:23	59783.64589	MWA	216	1.96	46.0	64.8	1.52
	2022-07-25 13:26		MWA	154	1.35	25.5	5.09	0.0963
809972	2022-07-29 13:06	59785.56789	MWA	118	8.69	128	362	5.35
810233	2022-07-29 13:25	59789.55111	MWA	88	5.06	62.3	414	5.1
810234	2022-07-30 13:12	59789.56591	MWA	185				
810299	2022-07-30 13:16	59790.55783	MWA	216	6.1	143	156	3.64
	2022-07-30 13:31		MWA	154				
810300	2022-07-30 13:36	59790.57236	MWA	185	3.27	61.8	107	2.02
810304	2022-07-30 15:04	59790.63353	MWA	185	2.18	51.1	52.9	1.24
	2022-07-30 15:24		MWA	185				
810305	2022-07-30 15:29	59790.64929	MWA	185	2.83	66.1	88.5	2.07
	2022-07-30 15:44		MWA	185				
810306	2022-07-30 15:49	59790.66415	MWA	185	1.6	37.3	4.94	0.116
	2022-08-02 13:00		MWA	185	1.24	29.1	53.6	1.25
810495	2022-08-02 13:20	59793.54919	MWA	154	4.99	94.5	165	3.13
810496	2022-08-02 13:24	59793.56316	MWA	185				
810497	2022-08-02 13:44	59793.57818	MWA	154	1.79	33.9	40.8	0.771
810561	2022-08-03 13:11	59794.55567	MWA	118	1.46	21.5	2.0	0.0296
	2022-08-03 13:30		MWA	88				
810562	2022-08-03 13:35	59794.57023	MWA	118	11.2	137	404	4.97
	2022-08-03 13:50		MWA	216				
810563	2022-08-03 13:55	59794.58458	MWA	88	5.06	146	224	6.49
	2022-08-03 14:59		MWA	185	0.746	17.5	23.8	0.558
810566	2022-08-03 15:19	59794.63070	MWA	154	2.33	44.1	118	2.23
810567	2022-08-03 15:24	59794.64712	MWA	185				
810756	2022-08-06 12:34	59797.53000	MWA	118	2.21	32.6	3.5	0.0517
	2022-08-06 13:19		MWA	88				
810758	2022-08-06 13:24	59797.56101	MWA	118	9.99	123	176	2.16
	2022-08-06 13:38		MWA	216				
810759	2022-08-06 13:43	59797.57564	MWA	88	4.91	142	297	8.57