

Table 1. Astrometric and rotational parameters of all pulsars analysed in this work, including the sky-locations in equatorial coordinates, spin frequencies, spin-down and second spin-frequency derivative. The period, position and DM epoch is MJD 57600 for all pulsars. Errors for RAJ and DEC represent the one-sigma uncertainty on the last digit from TEMPO2. Uncertainties on ν and $\dot{\nu}$ represent the 95 percent confidence intervals scaled to the last digit. Flags indicate: PPTA – pulsar is observed as part of the Parkes Pulsar Timing Array project (Manchester et al. 2013), B – pulsar is in a binary. The full table contains 300 pulsars and is available in the supplementary material.

PSRJ	RAJ (hh:mm:ss)	DECJ (°:′:″)	ν (Hz)	$\dot{\nu}$ (10^{-15} s^{-2})	$\ddot{\nu}$ (10^{-24} s^{-3})	N_{ToA}	T (yr)	Flags
J0030+0451	00:30:27.423(9)	+04:51:39.7(3)	205.530699027(+7, -8)	-0.39(± 1)	–	58	1.04	–
J0134–2937	01:34:18.6939(2)	-29:37:17.157(5)	7.30131486798(± 8)	-4.17767(± 2)	(± 0.1)	198	3.42	–
J0151–0635	01:51:22.718(4)	-06:35:02.98(1)	0.682750032508(+6, -5)	-0.20585(± 2)	(+0.038, -0.2)	196	3.74	–
J0152–1637	01:52:10.854(1)	-16:37:53.63(3)	1.20085114658(+7, -9)	-1.87464(+2, -3)	(+0.064, -0.098)	119	3.29	–
J0206–4028	02:06:01.2931(1)	-40:28:03.616(1)	1.58591388856(± 5)	-3.01013(± 2)	(+0.1, -0.08)	131	3.35	–
J0255–5304	02:55:56.2939(4)	-53:04:21.250(4)	2.23359632409(± 2)	-0.155852(+7, -8)	(+0.038, -0.054)	270	3.75	–
J0348+0432	03:48:43.639(3)	+04:32:11.45(2)	25.5606365903(+4, -5)	-0.158(± 2)	(+26.2, -14.7)	41	2.85	B
J0401–7608	04:01:51.75(1)	-76:08:12.95(5)	1.83400700914(+9, -7)	-5.1927(+3, -4)	(+0.9, -0.4)	110	3.15	–
J0418–4154	04:18:03.7748(4)	-41:54:14.42(6)	1.32079643042(± 2)	-2.30176(± 6)	(+0.13, -0.58)	99	3.38	–
J0437–4715	04:37:15.8961(6)	-47:15:09.1107(3)	173.68794581(+2, -1)	-1.72(+3, -4)	–	230	1.41	PPTA, B
J0450–1248	04:50:08.7903(2)	-12:48:07.088(8)	2.28303085312(+6, -4)	-0.5358(± 1)	(+1.7, -0.9)	81	3.14	–
J0452–1759	04:52:34.119(1)	-17:59:23.15(3)	1.82168155657(+5, -4)	-19.0941(+1, -3)	(+0.08, -0.45)	121	3.73	–
J0525+1115	05:25:56.498(1)	+11:15:18.8(1)	2.82137062404(± 2)	-0.58697(+8, -7)	(+0.21, -0.58)	59	3.15	–
J0529–6652	05:29:50.90(3)	-66:52:39.9(3)	1.02486651379(+2, -1)	-16.2526(+3, -4)	(+20.7, -2.7)	59	2.24	–
J0533+0402	05:33:25.828(5)	+04:01:59.7(2)	1.03840237842(± 2)	-0.17255(+8, -1)	(+0.46, -0.16)	54	3.14	–
J0536–7543	05:36:30.829(4)	-75:43:54.63(2)	0.802660896061(+1, -2)	-0.37076(± 5)	(+0.06, -0.066)	189	3.63	–
J0601–0527	06:01:58.9731(8)	-05:27:50.92(2)	2.52544324442(+6, -7)	-8.30641(+3, -2)	(+0.085, -0.053)	208	3.72	–
J0624–0424	06:24:20.025(1)	-04:24:50.56(4)	0.962392542206(± 1)	-0.769(± 2)	(+0.12, -0.12)	120	3.14	–
J0627+0706	06:27:44.172(4)	+07:06:33.0(2)	2.10134828979(± 1)	-131.6248(± 5)	(+0.3, -1.5)	111	3.15	–
J0630–2834	06:30:49.35(1)	-28:34:42.1(2)	0.803583722117(+3, -2)	-4.6323(+1, -9)	(+0.16, -0.13)	87	3.65	–
J0646+0905	06:46:31.025(5)	+09:05:49.6(3)	1.10630072318(+7, -9)	-0.9009(± 2)	(+1.3, -1.1)	160	3.01	–
J0659+1414	06:59:48.188(5)	+14:14:19.2(4)	2.59788422925(± 2)	-370.7966(± 9)	$1^{+1.1}_{-0.5}$	162	3.15	–
J0711–6830	07:11:54.1654(1)	-68:30:47.296(1)	182.117234537(+9, -1)	-0.4928(± 3)	(+4.0, -2.5)	43	2.89	PPTA
J0729–1836	07:29:32.30(1)	-18:36:42.1(2)	1.96011842607(+2, -1)	-72.8289(+6, -7)	$-2^{+2.4}_{-1.8}$	169	3.16	–
J0737–3039A	07:37:51.24669(2)	-30:39:40.6895(3)	44.0540680812(+7, -6)	-3.4149(± 3)	(+0.82, -0.63)	144	3.49	B
J0738–4042	07:38:32.244(3)	-40:42:39.43(4)	2.66723044109(± 5)	-9.805(± 2)	-3.5 ± 1.2	243	3.66	–
J0742–2822	07:42:48.91(4)	-28:22:44.0(7)	5.996127853(± 2)	-604.187(± 1)	(+1.0, -35.8)	180	3.46	–
J0758–1528	07:58:29.061(2)	-15:28:08.333(4)	1.46570344504(+3, -4)	-3.4786(+2, -1)	(+0.21, -0.28)	144	3.12	–

Table 1 – continued

PSRJ	RAJ	DECJ	ν	$\dot{\nu}$	$\ddot{\nu}$	N_{ToA}	T	Flags
	(hh:mm:ss)	($^{\circ}:\!':''$)	(Hz)	(10^{-15} s^{-2})	(10^{-24} s^{-3})		(yr)	
J0809–4753	08:09:43.834(3)	−47:53:54.85(2)	1.82747830432(+6, −4)	−10.2748(±2)	(+0.07, −0.32)	79	3.12	—
J0820–1350	08:20:26.407(1)	−13:50:56.32(4)	0.807668884066(±4)	−1.37174(±2)	(+0.084, −0.09)	51	3.57	—
J0820–4114	08:20:15.46(1)	−41:14:35.2(1)	1.8333635346(±7)	−0.0664(±2)	(+0.48, −0.78)	88	3.39	—
J0835–4510	08:35:20.6(2)	−45:10:33(1)	11.18677868(±2)	−13161(+5.4, −5.3)	(+19949.0, −7024.5)	1420	4.81	—
J0837+0610	08:37:05.6462(1)	+06:10:15.87(6)	0.785068914181(+2, −3)	−4.19046(+1, −8)	(+0.033, −0.016)	78	3.75	—
J0837–4135	08:37:21.1922(4)	−41:35:14.589(4)	1.33044994223(±5)	−6.26572(±3)	(+0.038, −0.09)	140	3.64	—
J0840–5332	08:40:33.726(9)	−53:32:35.95(6)	1.38770592261(±3)	−3.154(±1)	(+0.09, −0.23)	59	3.14	—
J0842–4851	08:42:05.4443(9)	−48:51:20.6(1)	1.5519428595(±9)	−23.0246(+7, −8)	(+2.7, −0.1)	53	3.13	—
J0846–3533	08:46:06.0712(4)	−35:33:40.91(6)	0.895978340332(±1)	−1.28499(±4)	(+0.13, −0.3)	65	3.3	—
J0855–3331	08:55:38.421(3)	−33:31:38.99(4)	0.788929778283(+1, −2)	−3.93327(+4, −3)	(+0.2, −0.28)	76	3.12	—
J0856–6137	08:56:59.27(1)	−61:37:52.71(8)	1.03894958562(+2, −3)	−1.813(+1, −8)	(+0.33, −0.11)	48	3.39	—
J0904–4246	09:04:59.083(9)	−42:46:13.4(1)	1.03608336991(+3, −2)	−2.0148(+9, −1)	(+0.24, −0.4)	50	3.37	—
J0904–7459	09:04:10.47(3)	−74:59:41.7(1)	1.81965845843(+1, −7)	−1.5278(+4, −3)	(+1.1, −1.0)	44	2.98	—
J0907–5157	09:07:15.901(3)	−51:57:59.36(2)	3.9438751026(+7, −5)	−28.5412(±3)	(+0.87, −0.12)	121	3.5	—
J0908–1739	09:08:38.227(4)	−17:39:39.9(1)	2.48987780015(±4)	−4.1492(±2)	(+0.27, −0.98)	37	3.16	—
J0908–4913	09:08:35.46(1)	−49:13:05.00(1)	9.36601123448(±6)	−1324.821(+3, −4)	$4^{+1.3}_{-1.5}$	173	3.48	—
J0909–7212	09:09:35.81(3)	−72:12:08.94(1)	0.733734742115(±4)	−0.1762(±2)	(+0.15, −0.41)	31	3.15	—
J0922+0638	09:22:13.85(3)	+06:38:19(1)	2.32217901642(±3)	−73.985(±1)	(+2.5, −9.6)	68	3.02	—
J0924–5302	09:24:08.722(4)	−53:02:42.6(3)	1.33987540461(±2)	−63.431(+1, −9)	(+3.9, −4.1)	137	3.2	—
J0924–5814	09:24:30.82(1)	−58:14:05.10(1)	1.35225504146(+4, −3)	−9.0013(±2)	(+0.48, −0.28)	72	3.39	—
J0934–5249	09:34:28.237(5)	−52:49:27.30(5)	0.692148271001(+1, −8)	−2.22898(±3)	(+0.07, −0.14)	152	3.16	—
J0942–5552	09:42:14.88(6)	−55:52:55.1(5)	1.50514304056(±3)	−51.376(±2)	$8^{+4.1}_{-4.3}$	150	3.69	—
J0942–5657	09:42:54.422(5)	−56:57:43.21(3)	1.23737204376(±4)	−60.6357(±2)	(+0.37, −0.09)	90	3.18	—
J0944–1354	09:44:28.967(1)	−13:54:41.88(2)	1.75357327379(+5, −7)	−0.13929(±2)	(+0.069, −0.118)	61	3.11	—
J0953+0755	09:53:09.3121(2)	+07:55:36.9(1)	3.95154788907(+9, −8)	−3.58768(±3)	(+0.021, −0.07)	73	3.71	—
J0955–5304	09:55:29.461(1)	−53:04:16.64(1)	1.15992862694(±4)	−4.74318(±1)	(+0.16, −0.078)	155	3.26	—
J0959–4809	09:59:26.212(6)	−48:09:47.47(7)	1.49234604(+5, −4)	−0.1887(+1, −9)	(+0.49, −0.27)	78	3.37	—
J1001–5507	10:01:37.85(5)	−55:07:07.8(5)	0.696073036122(+9, −1)	−24.9925(+7, −6)	$1^{+0.8}_{-1.6}$	138	3.7	—
J1003–4747	10:03:21.529(1)	−47:47:01.190(2)	3.25654170022(±3)	−21.96544(+9, −6)	(+0.29, −0.36)	69	3.13	—
J1012–5857	10:12:48.470(5)	−58:57:48.50(3)	1.21962189426(±1)	−26.47184(±4)	(+0.05, −0.23)	193	3.71	—

Table 1 – continued

PSRJ	RAJ (hh:mm:ss)	DECJ (°:′:″)	ν (Hz)	$\dot{\nu}$ (10^{-15} s $^{-2}$)	$\ddot{\nu}$ (10^{-24} s $^{-3}$)	N_{ToA}	T (yr)	Flags
J1013–5934	10:13:31.848(2)	−59:34:26.63(1)	2.25784124141(± 1)	−2.83682(+3, −4)	(+0.12, −0.18)	132	3.43	—
J1016–5345	10:16:31.135(4)	−53:45:14.26(3)	1.29940016176(± 2)	−3.25316(+6, −4)	(+0.24, −0.8)	102	3.14	—
J1017–5621	10:17:12.831(1)	−56:21:30.517(7)	1.98624477638(± 5)	−12.38704(± 2)	(+0.2, −0.052)	127	3.17	B
J1017–7156	10:17:51.3172(5)	−71:56:41.596(2)	427.621905026(± 2)	−0.415(+1, −8)	(+10.3, −5.6)	51	3.38	B
J1022+1001	10:22:58.3(1)	+10:01:58(5)	60.7794479207(+6, −9)	−0.1564(± 3)	(+0.36, −0.52)	39	3.43	PPTA
J1032–5911	10:32:04.876(1)	−59:11:54.8(1)	2.15418526489(+2, −3)	−8.3414(± 5)	(+4.9, −0.4)	152	2.51	—
J1034–3224	10:34:19.46(1)	−32:24:26.2(2)	0.869118880561(+3, −2)	−0.17372(± 1)	(+0.14, −0.14)	41	3.74	—
J1036–4926	10:36:13.121(7)	−49:26:21.2(1)	1.95936510762(± 1)	−6.3385(± 3)	(+6.1, −7.5)	30	2.36	—
J1041–1942	10:41:36.191(9)	−19:42:13.7(2)	0.721308789858(+2, −3)	−0.4925(± 1)	(+0.12, −0.13)	34	3.41	—
J1042–5521	10:42:00.4853(9)	−55:21:05.793(6)	0.854067790376(± 2)	−4.89999(+6, −5)	(+0.24, −0.14)	101	3.36	—
J1043–6116	10:43:55.222(8)	−61:16:51.29(8)	3.46491578971(+8, −7)	−124.947(± 2)	(+77.6, −108.0)	78	1.47	—
J1045–4509	10:45:50.1794(5)	−45:09:54.106(6)	133.79314947(± 2)	−0.3153(+8, −6)	(+2.0, −1.0)	38	3.31	PPTA, B
J1046–5813	10:46:18.815(2)	−58:13:51.89(2)	2.70688676045(± 1)	−8.4(+4, −3)	(+0.48, −0.5)	193	3.25	—
J1047–6709	10:47:28.285(5)	−67:09:51.61(4)	5.0389844311(± 1)	−42.8418(+4, −3)	(+0.9, −1.2)	39	2.43	—
J1048–5832	10:48:13.1(1)	−58:32:03(1)	8.0824185121(+4, −5)	−6273.49(+2, −3)	$90^{+41.8}_{-51.2}$	232	3.44	—
J1056–6258	10:56:25.53(1)	−62:58:47.7(1)	2.36714106203(± 1)	−20.057(+8, −7)	(+0.9, −1.0)	198	3.69	—
J1057–5226	10:57:59.068(8)	−52:26:56.10(8)	5.0731886204(+2, −3)	−150.205(+2, −1)	(+0.1, −5.6)	126	2.62	—
J1057–7914	10:57:27.7(1)	−79:14:23.6(3)	0.74216802567(+8, −7)	−0.7321(+4, −3)	(+1.4, −0.8)	41	2.84	—
J1059–5742	10:59:00.8886(4)	−57:42:14.55(3)	0.843879990895(+1, −8)	−3.0668(± 3)	(+0.08, −0.31)	178	3.18	—
J1105–6107	11:05:26.2(1)	−61:07:48.0(8)	15.8222513283(+4, −3)	−3966.97(± 1)	(+6.0, −31.4)	145	2.85	—
J1110–5637	11:10:00.3712(6)	−56:37:32.57(4)	1.79129810299(+1, −2)	−6.6125(+8, −4)	(+1.8, −0.2)	130	3.17	—
J1112–6613	11:12:38.414(4)	−66:13:04.663(2)	2.9920963178(+5, −3)	−7.385(+1, −2)	(+0.1, −1.6)	96	2.93	—
J1112–6926	11:12:50.78(1)	−69:26:32.33(6)	1.21878739947(+4, −3)	−4.1912(± 1)	(+0.52, −0.6)	97	3.22	—
J1114–6100	11:14:22.69(5)	−61:00:32.1(3)	1.13525643826(± 2)	−59.3019(+6, −5)	(+4.8, −4.2)	137	2.45	—
J1116–4122	11:16:43.083(4)	−41:22:44.86(8)	1.06026074416(+2, −3)	−8.955(± 1)	(+0.04, −0.27)	47	3.53	—
J1121–5444	11:21:19.23(1)	−54:44:04.90(1)	1.86641502454(± 2)	−9.7309(+7, −8)	(+2.2, −3.8)	117	2.98	—
J1123–6259	11:23:55.53(1)	−62:59:10.92(8)	3.68409189328(± 1)	−71.2863(+3, −4)	(+5.3, −6.1)	70	2.99	—
J1126–6942	11:26:21.66(4)	−69:42:15.8(1)	1.72586751278(+3, −2)	−9.8111(+9, −1)	-0.69^{+6}_{-2}	34	2.06	—
J1133–6250	11:33:51.3(1)	−62:50:51(1)	0.9776360471(+6, −4)	−0.448(+9, −1)	(+132.0, −20.1)	128	1.22	—
J1136+1551	11:36:03.0946(5)	+15:51:15.9(1)	0.841809871701(+6, −2)	−2.64185(+9, −3)	(+0.34, −0.09)	36	3.63	—

Table 1 – continued

PSRJ	RAJ (hh:mm:ss)	DECJ (°:′:″)	ν (Hz)	$\dot{\nu}$ (10^{-15} s^{-2})	$\ddot{\nu}$ (10^{-24} s^{-3})	N_{ToA}	T	Flags
J1136–5525	11:36:02.2354(5)	−55:25:06.843(5)	2.74188009799(+1, −2)	−61.8(+1, −8)	(+0.6, −3.7)	147	3.53	—
J1141–3322	11:41:42.756(2)	−33:22:37.31(5)	3.43091071248(±3)	−5.4774(±1)	(+0.24, −0.14)	51	3.13	—
J1141–6545	11:41:07.0006(6)	−65:45:19.05(3)	2.53871590079(+6, −7)	−27.7621(±4)	0.48 $^{+7}_{-3}$	273	3.55	B
J1146–6030	11:46:07.7152(1)	−60:30:59.622(9)	3.65798554138(±1)	−23.93026(±4)	(+0.53, −0.3)	169	3.35	—
J1157–6224	11:57:15.208(7)	−62:24:50.90(5)	2.49671858326(+9, −7)	−24.5068(+4, −5)	(+0.9, −0.63)	229	3.55	—
J1202–5820	12:02:28.358(6)	−58:20:33.41(5)	2.20846545731(+7, −6)	−10.3828(±3)	(+0.95, −0.6)	134	3.51	—
J1210–5559	12:10:05.98706(2)	−55:59:03.8501(2)	3.57439188715(±5)	−9.26691(+2, −3)	(+0.032, −0.003)	158	3.51	—
J1224–6407	12:24:22.264(2)	−64:07:53.79(1)	4.61934676092(+4, −5)	−105.6992(+3, −2)	(+0.09, −0.92)	367	3.55	—
J1231–6303	12:31:13.0(1)	−63:03:18(1)	0.74006295676(±3)	−0.0723(+8, −7)	(+2.4, −0.8)	79	3.38	—
J1239–6832	12:39:58.96(2)	−68:32:28.94(9)	0.768094857398(±2)	−7.01054(+7, −8)	(+1.1, −0.9)	60	3.15	—
J1243–6423	12:43:17.120(6)	−64:23:23.92(4)	2.57410111798(±5)	−29.8026(±3)	(+0.0, −0.49)	345	3.63	—
J1253–5820	12:53:28.418(2)	−58:20:40.47(2)	3.91392670035(±7)	−32.2492(±3)	(+1.24, −0.01)	204	3.38	—
J1257–1027	12:57:04.7796(9)	−10:27:04.77(3)	1.61993710136(+2, −1)	−0.94879(±4)	(+0.27, −0.39)	39	3.18	—
J1259–6741	12:59:22.64(1)	−67:41:40.27(6)	1.5075450023(+5, −4)	−1.9434(±1)	(+0.8, −1.6)	42	2.54	—
J1305–6455	13:05:23.47(2)	−64:55:28.5(1)	1.74931666048(+1, −2)	−12.3373(+9, −8)	(+1.2, −2.7)	175	3.47	—
J1306–6617	13:06:38.12(1)	−66:17:21.2(1)	2.11404065516(±2)	−26.7181(±9)	(+1.41, −0.41)	125	3.38	—
J1312–5402	13:12:04.708(2)	−54:02:42.5(2)	1.37333511678(+4, −5)	−0.2765(+2, −1)	(+0.7, −1.03)	36	3.18	—
J1312–5516	13:12:53.533(9)	−55:16:47.3(1)	1.1775198318(±3)	−7.9101(±1)	(+0.3, −0.99)	98	3.07	—
J1319–6056	13:19:20.250(7)	−60:56:46.79(6)	3.51675963943(+2, −9)	−18.8878(+3, −7)	(+0.87, −0.14)	199	3.19	—
J1320–5359	13:20:53.932(2)	−53:59:04.967(3)	3.57477758551(±6)	−118.146(±3)	0.36 $^{+1}_{-3}$	129	3.5	—
J1326–5859	13:26:58.219(7)	−58:59:29.29(7)	2.09207813232(+7, −8)	−14.2359(+5, −4)	(+1.4, −1.0)	306	3.63	—
J1326–6408	13:26:32.433(2)	−64:08:43.80(1)	1.26155286486(+9, −6)	−4.91831(±2)	(+0.122, −0.15)	161	2.85	—
J1326–6700	13:26:02.706(4)	−67:00:50.1(3)	1.84156958655(+4, −3)	−18.037(±2)	(+1.3, −4.2)	132	3.54	—
J1327–6222	13:27:17.36(7)	−62:22:44.7(5)	1.8870445541(+4, −3)	−66.926(±2)	2.37 $^{+7}_{-5}$	308	3.63	—
J1327–6301	13:27:07.4320(3)	−63:01:15.51(2)	5.08957797539(±4)	−39.6313(±1)	(+0.49, −0.29)	238	3.41	—
J1328–4357	13:28:06.4198(5)	−43:57:44.50(8)	1.87722052793(±7)	−10.7557(+4, −3)	0.29 ± 2	93	2.99	—
J1338–6204	13:38:09.247(7)	−62:04:18.7(5)	0.80710212469(±2)	−8.9837(+6, −5)	(+2.9, −4.5)	198	2.47	—
J1350–5115	13:50:16.159(2)	−51:15:24.56(3)	3.38180924275(+8, −6)	−8.6634(+2, −1)	(+4.0, −5.1)	95	2.43	—
J1355–5153	13:55:58.692(2)	−51:53:53.95(2)	1.55206115637(±3)	−6.7736(±1)	(+0.26, −0.23)	123	3.19	—
J1356–5521	13:56:50.49(2)	−55:21:15.2(2)	1.97090897627(±2)	−2.8152(+5, −4)	(+14.3, −9.1)	31	2.39	—

Table 1 – continued

PSRJ	RAJ (hh:mm:ss)	DECJ (°:′:″)	ν (Hz)	$\dot{\nu}$ (10^{-15} s $^{-2}$)	$\ddot{\nu}$ (10^{-24} s $^{-3}$)	N_{ToA}	T (yr)	Flags
J1359–6038	13:59:58.230(9)	−60:38:07.671(7)	7.84261649234(± 2)	−389.488(± 1)	$-3^{+3.3}_{-1.1}$	429	3.54	—
J1401–6357	14:01:52.45(1)	−63:57:42.0(1)	1.18651362793(+8, −1)	−23.6871(+5, −4)	(+0.4, −1.3)	245	3.56	—
J1413–6307	14:13:31.32(4)	−63:07:34.6(3)	2.5319550816(± 1)	−47.9(+4, −3)	$-4^{+3.3}_{-11.1}$	152	2.43	—
J1418–3921	14:18:50.28(1)	−39:21:18.6(2)	0.911737714389(+2, −3)	−0.73841(+8, −6)	(+0.42, −0.39)	57	3.63	—
J1420–5416	14:20:29.11(1)	−54:16:22.7(1)	1.06863614348(± 2)	−0.26515(+6, −7)	(+0.22, −0.3)	74	3.08	—
J1424–5822	14:24:32.130(8)	−58:22:55.7(1)	2.7267557238(+1, −9)	−29.262(± 2)	(+120.5, −91.9)	188	1.25	—
J1428–5530	14:28:26.240(3)	−55:30:50.06(4)	1.75348642691(± 1)	−6.41562(+4, −3)	0.055 ± 5	168	3.66	—
J1430–6623	14:30:40.732(1)	−66:23:05.546(1)	1.2731663027(± 6)	−4.50256(+4, −3)	(+0.032, −0.039)	170	3.57	—
J1435–5954	14:35:00.208(1)	−59:54:49.5(1)	2.11418109778(± 4)	−6.9189(± 1)	(+0.81, −0.52)	254	3.49	—
J1452–6036	14:52:51.80(1)	−60:36:30.00(8)	6.4519415824(± 1)	−60.401(+3, −2)	(+105.1, −110.5)	152	1.32	—
J1453–6413	14:53:32.652(1)	−64:13:16.095(9)	5.571424352(+2, −3)	−85.1854(+2, −1)	(+0.18, −0.24)	234	3.56	—
J1456–6843	14:55:59.914(1)	−68:43:39.49(1)	3.79684009011(+5, −6)	−1.42687(+3, −2)	(+0.044, −0.009)	119	4.21	—
J1457–5122	14:57:40.093(8)	−51:22:54.9(1)	0.57198175779(+1, −2)	−1.73305(+5, −7)	(+0.22, −0.24)	39	3.03	—
J1507–4352	15:07:34.175(4)	−43:52:04.05(1)	3.48725495693(± 1)	−19.2672(+5, −4)	(+0.8, −1.4)	56	3.17	—
J1507–6640	15:07:48.634(1)	−66:40:57.86(1)	2.81170331276(+8, −9)	−9.1066(± 2)	(+0.22, −0.14)	111	2.97	—
J1511–5414	15:11:51.285(3)	−54:14:40.32(6)	4.99041973147(+8, −6)	−12.072(+1, −2)	(+144.8, −15.3)	101	1.25	—
J1512–5759	15:12:43.13(1)	−58:00:00.43(1)	7.77001479211(± 5)	−413.71(± 2)	(+1.7, −13.0)	177	3.19	—
J1514–4834	15:14:14.563(2)	−48:34:19.97(4)	2.19857371563(± 3)	−4.47652(+9, −8)	(+2.2, −0.3)	51	2.55	—
J1522–5829	15:22:42.244(4)	−58:29:02.815(3)	2.52937565301(+7, −9)	−13.1588(+3, −4)	(+0.25, −1.07)	187	3.21	—
J1527–3931	15:27:58.828(9)	−39:31:34.2(2)	0.41363243246(± 1)	−3.26122(+4, −5)	(+0.19, −0.15)	36	3.21	—
J1527–5552	15:27:40.734(4)	−55:52:08.352(6)	0.953544682096(+3, −4)	−10.2459(+2, −1)	(+0.25, −0.0)	134	3.21	—
J1528–3146	15:28:34.952(1)	−31:46:06.944(6)	16.4413569253(+2, −1)	−0.068(+5, −6)	(+1.36, −0.57)	25	3.05	B
J1534–5334	15:34:08.2790(1)	−53:34:19.57(2)	0.730523027415(+2, −3)	−0.76251(± 7)	(+0.013, −0.016)	231	3.63	—
J1534–5405	15:34:33.59(1)	−54:05:40.5(2)	3.4519643055(+1, −8)	−18.528(+2, −3)	$4^{+5.5}_{-4.5}$	100	2.43	—
J1539–5626	15:39:14.07(1)	−56:26:26.2(1)	4.10852985562(+3, −6)	−81.894(+3, −1)	(+1.5, −7.0)	179	3.13	—
J1542–5034	15:42:45.32(2)	−50:34:03.66(3)	1.6687581689(+9, −1)	−11.208(+4, −3)	(+5.2, −7.3)	59	2.39	—
J1543+0929	15:43:38.82(2)	+09:29:16.4(5)	1.33609682985(± 2)	−0.7773(± 7)	(+1.7, −1.6)	28	2.75	—
J1544–5308	15:44:59.8294(6)	−53:08:46.953(9)	5.60055059845(+1, −9)	−1.88991(+3, −4)	(+0.17, −0.26)	164	3.58	—
J1549–4848	15:49:21.027(6)	−48:48:36.1(1)	3.46791653545(+9, −1)	−169.702(± 2)	(+63.2, −56.4)	44	1.46	—
J1553–5456	15:53:59.61(1)	−54:56:06.25(1)	0.9247724034(+6, −5)	−13.4399(± 1)	(+36.6, −44.9)	73	1.21	—

Table 1 – continued

PSRJ	RAJ	DECJ	ν (Hz)	$\dot{\nu}$ (10^{-15} s^{-2})	$\ddot{\nu}$ (10^{-24} s^{-3})	N_{ToA}	T (yr)	Flags
	(hh:mm:ss)	($^{\circ}:\!':''$)						
J1555–3134	15:55:17.947(2)	−31:34:20.3(1)	1.93009273101(± 2)	−0.23061(± 7)	(+0.34, −0.11)	49	3.19	—
J1557–4258	15:57:00.25445(6)	−42:58:12.35(1)	3.0377858242(+1, −2)	−3.04646(+8, −7)	(+0.05, −0.131)	90	3.54	—
J1559–4438	15:59:41.525(1)	−44:38:45.85(3)	3.89018703598(+2, −3)	−15.4484(± 2)	(+0.53, −0.27)	66	3.37	—
J1559–5545	15:59:20.7(1)	−55:45:47(1)	1.04464080328(± 5)	−21.733(± 3)	(+12.5, −3.9)	87	3.49	—
J1600–3053	16:00:51.8941(7)	−30:53:49.70(3)	277.937706823(± 2)	−0.687(± 5)	(+47.9, −46.2)	32	3.39	PPTA, B
J1600–5044	16:00:53.033(5)	−50:44:20.93(8)	5.19197591119(± 2)	−136.452(+1, −9)	(+3.1, −1.2)	175	3.63	—
J1603–2531	16:03:04.8253(6)	−25:31:47.9(4)	3.53267858106(± 4)	−19.8906(± 2)	(+1.13, −0.29)	29	3.36	—
J1603–2712	16:03:08.036(1)	−27:13:27.0(7)	1.28482652061(± 4)	−4.9683(+1, −2)	(+0.11, −0.28)	29	3.0	—
J1603–7202	16:03:35.6736(9)	−72:02:32.795(7)	67.3765811129(+1, −2)	−0.074(+6, −5)	(+0.66, −0.56)	38	3.11	PPTA, B
J1604–4909	16:04:22.985(2)	−49:09:58.33(5)	3.05419496456(± 5)	−9.4894(± 3)	(+1.25, −0.25)	113	3.47	—
J1605–5257	16:05:16.265(3)	−52:57:34.80(5)	1.51972586121(± 1)	−0.59109(+4, −3)	(+0.12, −0.43)	162	3.75	—
J1613–4714	16:13:29.018(4)	−47:14:26.41(8)	2.61522196138(± 2)	−4.33493(± 6)	(+0.31, −0.23)	65	3.35	—
J1622–4950	16:22:44.80(3)	−49:50:54.5(5)	0.2311087(± 3)	−526(+54.3, −56.9)	(+5145.6, −7084.3)	77	1.21	—
J1623–0908	16:23:17.658(4)	−09:08:48.9(3)	0.783424111867(+2, −1)	−1.58401(± 5)	(+0.36, −0.49)	31	3.13	—
J1623–4256	16:23:48.291(6)	−42:56:52.6(1)	2.74279572052(± 1)	−7.5624(+8, −7)	(+1.16, −0.06)	57	3.47	—
J1626–4537	16:26:48.94(1)	−45:37:25.8(6)	2.701641249(± 2)	−60.541(± 4)	(+190.9, −230.7)	35	1.21	—
J1633–4453	16:33:47.03(3)	−44:53:08.58(7)	2.2908895877(± 3)	−32.539(+5, −6)	(+327.5, −153.7)	33	1.24	—
J1633–5015	16:33:00.0861(1)	−50:15:08.358(3)	2.83973605453(± 1)	−30.54746(± 4)	(+0.128, −0.07)	110	3.74	—
J1639–4604	16:39:21.198(3)	−46:04:33.23(7)	1.88992880367(± 3)	−20.60947(± 9)	(+0.69, −0.88)	57	2.47	—
J1644–4559	16:44:49.234(6)	−45:59:10.3(1)	2.19742452445(+4, −3)	−96.9653(+4, −5)	$1^{+1.1}_{-1.4}$	648	4.1	—
J1646–6831	16:46:54.91(3)	−68:31:51.7(1)	0.560031669373(± 2)	−0.5337(± 1)	(+0.074, −0.14)	27	3.35	—
J1651–4246	16:51:48.797(6)	−42:46:09.97(1)	1.18472094037(+4, −5)	−6.662(+3, −2)	(+0.72, −0.76)	148	3.46	—
J1651–5222	16:51:42.962(2)	−52:22:58.38(3)	1.5746588888(± 1)	−4.48968(± 3)	(+0.24, −0.017)	95	3.38	—
J1651–5255	16:51:41.41(1)	−52:55:47.7(2)	1.12291858733(± 1)	−2.6677(± 6)	(+0.94, −0.04)	71	3.14	—
J1652–2404	16:52:58.50(5)	−24:03:54(7)	0.586943472123(+4, −3)	−1.0877(± 1)	(+0.29, −0.26)	27	2.87	—
J1700–3312	17:00:52.96(2)	−33:12:45(1)	0.736209097583(+6, −5)	−2.5543(± 2)	(+0.19, −0.37)	53	3.36	—
J1701–3726	17:01:18.45(1)	−37:26:27.2(5)	0.407395359535(± 2)	−1.84611(+5, −6)	(+0.23, −0.21)	62	3.17	—
J1703–1846	17:03:51.102(9)	−18:46:13(1)	1.24325189271(± 3)	−2.67613(± 1)	(+0.06, −0.21)	34	3.18	—
J1703–3241	17:03:22.514(2)	−32:41:48.5(1)	0.825228539025(± 5)	−0.44787(± 2)	(+0.057, −0.067)	81	3.54	—
J1703–4851	17:03:54.541(7)	−48:52:01.04(1)	0.716124628374(± 2)	−2.60178(+5, −7)	(+0.22, −0.09)	50	3.36	—

Table 1 – continued

PSRJ	RAJ	DECJ	ν	$\dot{\nu}$	$\ddot{\nu}$	N_{ToA}	T	Flags
			(hh:mm:ss)	($^{\circ}:\!':\!''$)	(Hz)			
J1705–1906	17:05:36.093(2)	−19:06:39.2(3)	3.34458679304(+6, −7)	−46.2498(± 3)	(+0.27, −0.89)	78	3.52	—
J1705–3423	17:05:42.362(3)	−34:23:43.1(2)	3.91501633777(± 1)	−16.4861(+6, −5)	(+0.6, −1.6)	112	3.43	—
J1707–4053	17:07:21.78(2)	−40:53:55.1(9)	1.72111797519(± 2)	−5.6882(+5, −4)	(+2.0, −1.5)	57	3.51	—
J1708–3426	17:08:57.79(1)	−34:26:44.0(6)	1.44484514046(+3, −5)	−8.7827(± 2)	(+0.42, −0.59)	52	3.35	—
J1709–1640	17:09:26.452(4)	−16:40:59.2(4)	1.53125350203(+1, −7)	−14.8003(+5, −6)	0.61 ± 2	38	3.63	—
J1709–4429	17:09:42.62(5)	−44:29:12(1)	9.7542901224(+6, −4)	−8850.16(+6, −8)	$196^{+31.4}_{-20.1}$	111	3.5	—
J1711–5350	17:11:53.13(1)	−53:50:18.3(2)	1.11205916031(± 1)	−19.2133(± 5)	(+0.47, −0.73)	46	3.1	—
J1715–4034	17:15:40.92(3)	−40:34:18(1)	0.482589475307(+7, −6)	−0.7063(± 2)	(+0.48, −0.52)	76	3.5	—
J1717–3425	17:17:20.30(1)	−34:25:00.31(8)	1.52368077976(+5, −6)	−22.72(± 2)	$2^{+1.7}_{-1.6}$	56	2.38	—
J1717–4054	17:17:52.31(1)	−41:03:13.0(4)	1.12648202933(+6, −8)	−4.7161(+8, −5)	-1.54^{+9}_{-2}	31	4.09	—
J1720–1633	17:20:25.23(1)	−16:33:35(1)	0.638730665146(± 3)	−2.3719(+9, −1)	(+0.23, −0.06)	41	3.13	—
J1720–2933	17:20:34.131(5)	−29:33:14.0(5)	1.61173637049(+3, −2)	−1.9396(± 1)	(+0.22, −0.22)	43	3.29	—
J1722–3207	17:22:02.9641(1)	−32:07:45.07(6)	2.09574210095(± 3)	−2.8316(± 1)	(+0.2, −0.22)	89	3.17	—
J1722–3712	17:22:59.17(5)	−37:12:03.(2)	4.23402576366(± 4)	−194.486(± 2)	$16^{+13.7}_{-12.7}$	116	3.1	—
J1727–2739	17:27:30.98(3)	−27:38:53(4)	0.7733354277(+3, −2)	−0.6399(+5, −6)	$3^{+15.8}_{-1.7}$	34	2.42	—
J1730–2304	17:30:21.682(4)	−23:04:30(1)	123.110287079(+1, −9)	−0.3023(+2, −4)	(+1.6, −1.2)	42	3.3	PPTA
J1731–4744	17:31:42.21(1)	−47:44:38.7(4)	1.2049313854(+2, −3)	−237.394(± 5)	$-9^{+3.2}_{-0.6}$	145	3.58	—
J1733–2228	17:33:26.43(3)	−22:28:37(10)	1.14720621377(± 5)	−0.0585(+2, −1)	$23^{+0.0}_{-14.1}$	40	3.05	—
J1736–2457	17:36:45.4(1)	−24:57:50(33)	0.3784689286(+3, −2)	−0.452(+5, −6)	(+174.6, −205.3)	25	1.14	—
J1739–2903	17:39:34.285(2)	−29:03:03.96(3)	3.09704932896(+9, −8)	−75.5355(+3, −4)	(+0.36, −0.6)	88	3.02	—
J1740–3015	17:40:33.98(5)	−30:15:22(5)	1.647450502(+2, −3)	−1263.51(+7, −9)	(+46.0, −51.7)	229	3.47	—
J1741–3927	17:41:18.079(1)	−39:27:38.12(7)	1.95231526583(± 1)	−6.4645(+5, −6)	2.81^{+3}_{-5}	74	3.14	—
J1743–3150	17:43:36.710(8)	−31:50:22.7(9)	0.414138298084(± 1)	−20.7152(+4, −5)	(+0.13, −0.09)	84	3.16	—
J1745–3040	17:45:56.3081(6)	−30:40:23.30(6)	2.72156341619(+1, −2)	−79.04005(+8, −9)	(+0.23, −0.1)	110	3.5	—
J1751–4657	17:51:42.185(1)	−46:57:26.72(4)	1.34706694407(+4, −3)	−2.35478(+1, −2)	(+0.09, −0.083)	53	3.61	—
J1752–2806	17:52:58.707(8)	−28:06:36(1)	1.77757096075(± 6)	−25.6877(+8, −7)	0.51^{+3}_{-4}	145	4.1	—
J1757–2421	17:57:29.37(1)	−24:19:54(10)	4.2715099866(+2, −3)	−236.544(+5, −4)	(+166.8, −147.0)	66	1.31	—
J1759–2205	17:59:24.164(4)	−22:05:33(2)	2.16928428064(+1, −2)	−51.0746(+7, −6)	(+1.52, −0.26)	54	3.02	—
J1759–3107	17:59:22.056(4)	−31:07:21.8(5)	0.926822758345(± 3)	−3.24135(± 9)	(+0.81, −0.48)	40	2.39	—
J1801–0357	18:01:22.628(3)	−03:57:55.7(2)	1.08519559579(± 4)	−3.8928(± 1)	(+0.78, −0.46)	29	2.34	—

Table 1 – continued

PSRJ	RAJ	DECJ	ν	$\dot{\nu}$	$\ddot{\nu}$	N_{ToA}	T	Flags
	(hh:mm:ss)	($^{\circ}:$ '':')	(Hz)	(10^{-15} s^{-2})	(10^{-24} s^{-3})		(yr)	
J1801–2920	18:01:46.839(3)	−29:20:38.1(3)	0.924290873961(± 1)	−2.81266(± 3)	(+0.24, −0.02)	60	3.26	—
J1803–2137	18:03:51.4(1)	−21:37:07.(27)	7.478883401(+4, −6)	−7488(+1.1, −0.9)	$283^{+29.1}_{-39.6}$	52	1.29	—
J1805–1504	18:05:06.1(2)	−15:04:36(10)	0.84654711(± 1)	−0.31(± 2)	(+378.9, −625.7)	28	1.25	—
J1807–0847	18:07:38.0259(2)	−08:47:43.28(1)	6.10771328217(+6, −5)	−1.06808(+2, −1)	(+0.12, −0.057)	74	3.7	—
J1807–2715	18:07:08.4918(3)	−27:15:02.07(5)	1.20804374592(± 6)	−17.8128(± 2)	(+0.65, −0.2)	77	3.12	—
J1808–0813	18:08:09.432(1)	−08:13:01.8(4)	1.14149384538(± 5)	−1.6108(± 2)	(+0.13, −0.35)	32	3.38	—
J1809–2109	18:09:14.32(3)	−21:09:02.(5)	1.42365721129(± 4)	−7.747(± 1)	(+22.7, −13.0)	29	2.4	—
J1810–5338	18:10:44.473(3)	−53:38:07.631(6)	3.8306868647(± 4)	−5.6604(± 1)	(+0.78, −0.49)	32	2.96	—
J1816–2650	18:16:35.399(6)	−26:49:53(1)	1.68666719259(+2, −3)	−0.18919(+9, −1)	(+0.75, −0.83)	51	3.35	—
J1818–1422	18:18:23.77(1)	−14:22:39(1)	3.43064845763(± 2)	−23.9924(+6, −7)	(+1.2, −3.0)	51	3.02	—
J1820–0427	18:20:52.559(2)	−04:27:37.9(1)	1.67201171071(+6, −9)	−17.6967(+5, −3)	-0.64^{+5}_{-6}	55	3.63	—
J1822–2256	18:22:58.95(4)	−22:56:29(16)	0.53354117731(± 2)	−0.38531(± 5)	(+0.31, −0.14)	57	3.33	—
J1823–0154	18:23:52.138(3)	−01:54:04.94(1)	1.31617369972(+3, −2)	−1.95718(± 9)	(+0.41, −0.34)	35	3.14	—
J1823–1115	18:23:40.3(1)	−11:15:11(1)	3.57360247363(± 2)	−17.5869(+7, −8)	(+2.8, −2.4)	53	3.19	B
J1823–3106	18:23:46.819(4)	−31:06:48.0(3)	3.52042950493(+1, −9)	−36.3594(+4, −6)	0.69 ± 3	35	3.11	—
J1824–0127	18:24:53.43(1)	−01:27:51.4(4)	0.400084842618(± 3)	−0.62531(+8, −1)	(+0.81, −0.82)	30	2.4	—
J1824–1945	18:24:00.4360(4)	−19:45:44.5(8)	5.28154642765(± 1)	−146.2029(+8, −7)	$-2^{+1.9}_{-1.9}$	95	3.38	—
J1825–0935	18:25:30.62(6)	−09:35:22(4)	1.3003801253(± 1)	−88.397(± 3)	(+59.4, −52.1)	144	3.84	—
J1827–0750	18:27:02.7071(6)	−07:50:15.4(2)	3.69682174881(+6, −5)	−21.224(± 2)	(+8.0, −6.7)	49	2.36	—
J1829–1751	18:29:43.15(1)	−17:51:13(1)	3.25587939511(+2, −3)	−58.78(± 1)	(+0.9, −1.1)	79	3.41	—
J1830–1135	18:30:01.787(6)	−11:35:27(6)	0.160730937421(± 6)	−1.2319(± 2)	(+0.51, −0.61)	40	2.99	—
J1832–0827	18:32:37.013(2)	−08:27:03.16(1)	1.54478860938(± 6)	−152.4959(+3, −2)	-0.39 ± 3	93	3.21	—
J1833–0338	18:33:42.028(8)	−03:39:08.00(3)	1.45617035595(+1, −9)	−88.0832(+4, −5)	$1^{+1.1}_{-1.7}$	102	3.19	—
J1833–0827	18:33:40.245(2)	−08:27:30.9(1)	11.7247184586(± 5)	−1261.993(± 2)	(+4.1, −5.2)	54	2.96	—
J1834–0426	18:34:25.621(3)	−04:26:15.7(2)	3.44698922332(± 3)	−0.8605(± 1)	(+1.0, −0.8)	53	3.22	—
J1835–1020	18:35:57.44(3)	−10:19:51(2)	3.3063181115(± 1)	−64.651(± 5)	(+5.2, −16.0)	53	3.23	—
J1836–0436	18:36:51.77(1)	−04:36:37.3(7)	2.82296346028(± 4)	−13.232(± 1)	(+11.7, −48.8)	31	2.42	—
J1836–1008	18:36:53.922(3)	−10:08:09.39(2)	1.77708391524(+8, −1)	−37.1805(+8, −4)	(+1.2, −1.3)	74	3.53	—
J1837–0653	18:37:14.53(7)	−06:52:55(5)	0.52471147608(+4, −5)	−0.194(+2, −1)	(+6.1, −6.1)	50	2.24	—
J1840–0809	18:40:33.365(6)	−08:09:03.62(4)	1.04638272527(± 3)	−2.57306(+9, −1)	(+0.17, −0.2)	75	3.43	—

Table 1 – continued

PSRJ	RAJ (hh:mm:ss)	DECJ (°:′:″)	ν (Hz)	$\dot{\nu}$ (10^{-15} s^{-2})	$\ddot{\nu}$ (10^{-24} s^{-3})	N_{ToA}	T	Flags
								(yr)
J1840–0815	18:40:13.756(9)	−08:15:08.88(4)	0.912041662037(± 3)	−2.01835(± 8)	(+0.6, −1.3)	51	2.44	—
J1841–0425	18:41:05.663(5)	−04:25:19.5(2)	5.37198570613(± 4)	−184.318(± 1)	(+3.2, −6.3)	31	2.24	—
J1841+0912	18:41:55.921(7)	+09:12:07.29(2)	2.62246808546(+3, −4)	−7.505(+2, −1)	(+0.3, −4.2)	29	3.23	—
J1842–0359	18:42:26.49(1)	−04:00:01.52(7)	0.543494594895(± 5)	−0.1501(± 1)	(+0.4, −1.0)	77	3.44	—
J1843–0000	18:43:27.965(9)	−00:00:41.5(2)	1.13593208324(+1, −2)	−10.0305(± 7)	(+1.0, −0.7)	60	3.19	—
J1844–0433	18:44:33.446(3)	−04:33:12.5(1)	1.00905187281(± 2)	−3.98545(+4, −5)	(+0.29, −0.24)	46	2.68	—
J1845–0743	18:45:57.1763(9)	−07:43:38.16(5)	9.55157970586(+5, −4)	−33.444(± 1)	(+1.5, −2.4)	72	2.46	—
J1847–0402	18:47:22.850(1)	−04:02:14.70(7)	1.67277577163(+6, −4)	−144.6391(+2, −3)	(+0.36, −0.0)	127	3.53	—
J1848–0123	18:48:23.596(1)	−01:23:58.48(6)	1.51644857592(+3, −6)	−11.9808(+4, −2)	0.19^{+2}_{-1}	111	3.49	—
J1849–0636	18:49:06.4647(2)	−06:37:06.91(1)	0.689011346415(± 3)	−21.9601(± 1)	(+0.02, −0.23)	108	3.23	—
J1852–0635	18:52:57.448(5)	−06:36:00.45(2)	1.90782618111(+5, −4)	−53.2438(± 1)	(+0.59, −0.23)	109	3.25	—
J1852–2610	18:52:59.471(5)	−26:10:13.6(6)	2.9732067598(± 6)	−0.7704(+1, −2)	(+1.5, −1.9)	25	2.43	—
J1857+0212	18:57:43.654(8)	+02:12:41.0(3)	2.40470716439(+9, −1)	−232.7342(± 3)	(+1.4, −0.35)	71	2.72	—
J1900–2600	19:00:47.542(5)	−26:00:44.8(6)	1.63342812459(± 1)	−0.54862(+4, −5)	(+0.15, −0.167)	40	3.44	—
J1901+0331	19:01:31.76(1)	+03:31:06.73(4)	1.52565744968(± 2)	−17.3341(+8, −6)	(+2.3, −2.6)	127	3.13	—
J1901+0716	19:01:39.02(1)	+07:16:33.6(5)	1.55279458439(± 4)	−5.577(± 1)	(+4.6, −1.3)	28	2.61	—
J1901–0906	19:01:53.007(3)	−09:06:10.9(2)	0.561189668479(+6, −7)	−0.516(± 2)	(+0.08, −0.19)	52	3.12	—
J1902+0556	19:02:42.60(1)	+05:56:25.8(1)	1.33943019014(± 1)	−23.0839(± 4)	(+1.3, −2.6)	32	2.44	—
J1902+0615	19:02:50.277(3)	+06:16:33.41(7)	1.48476895959(± 4)	−16.9975(± 1)	(+0.5, −2.3)	45	2.62	—
J1903+0135	19:03:29.973(1)	+01:35:38.73(4)	1.37116475483(± 2)	−7.57312(± 8)	(+0.16, −0.28)	94	3.18	—
J1903–0632	19:03:37.934(2)	−06:32:21.52(9)	2.31540809127(+7, −8)	−18.1244(+4, −3)	(+0.16, −0.71)	69	3.14	—
J1905–0056	19:05:27.752(6)	−00:56:40.8(3)	1.55476661905(+7, −6)	−7.3951(± 1)	(+2.0, −1.7)	29	2.45	—
J1909+0007	19:09:35.252(2)	+00:07:56.84(9)	0.983329997648(+4, −7)	−5.3391(+3, −2)	(+0.37, −0.68)	71	3.07	—
J1909+0254	19:09:38.311(2)	+02:54:50.36(9)	1.01026940483(± 1)	−5.61185(± 4)	(+0.24, −0.1)	51	3.19	—
J1909+1102	19:09:48.6829(9)	+11:02:03.044(3)	3.5255695764(+1, −9)	−32.8178(± 4)	$1^{+0.7}_{-1.1}$	95	3.19	—
J1909–3744	19:09:47.42783(7)	−37:44:14.767(3)	339.315686856(± 5)	−1.6153(± 2)	(+4, −5)	68	3.54	PPTA, B
J1910–0309	19:10:29.692(2)	−03:09:54.1(1)	1.98174395507(+3, −4)	−8.61183(± 1)	-0.22^{+2}_{-4}	43	3.09	—
J1910+0358	19:10:09.016(3)	+03:58:30(1)	0.429135601854(+1, −8)	−0.8134(± 3)	(+1.6, −1.9)	44	2.39	—
J1913–0440	19:13:54.1624(9)	−04:40:47.56(4)	1.21074218559(± 2)	−5.9681(± 1)	(+0.38, −0.21)	88	3.52	—
J1913+1400	19:13:24.352(1)	+14:00:52.50(3)	1.91764388163(+2, −3)	−2.95953(± 7)	(+0.29, −0.24)	66	2.63	—

Table 1 – continued

PSRJ	RAJ	DECJ	ν	$\dot{\nu}$	$\ddot{\nu}$	N_{ToA}	T	Flags
	(hh:mm:ss)	($^{\circ}:\!':\!''$)	(Hz)	(10^{-15} s^{-2})	(10^{-24} s^{-3})		(yr)	
J1915+1009	19:15:29.993(1)	+10:09:43.58(3)	2.47187153893(± 3)	-93.22115(+9, -8)	(+0.71, -0.2)	105	3.13	—
J1916+0951	19:16:32.333(1)	+09:51:25.97(3)	3.70019376623(± 8)	-34.52(+4, -3)	(+0.1, -0.51)	86	3.17	—
J1916+1312	19:16:58.67(2)	+13:12:50.0(4)	3.548050079(± 2)	-46.069(+4, -5)	(+49.9, -9.6)	39	161.67	—
J1917+1353	19:17:39.794(3)	+13:53:57.16(8)	5.13779943103(± 4)	-189.936(± 1)	$1^{+1.1}_{-1.5}$	71	2.47	—
J1919+0021	19:19:50.670(2)	+00:21:39.8(1)	0.78599927(+8, -7)	-4.74138(+2, -3)	(+0.18, -0.15)	97	3.26	—
J1926+0431	19:26:24.472(2)	+04:31:31.54(8)	0.931029279866(+1, -2)	-2.13409(+4, -5)	(+0.18, -0.1)	130	3.18	—
J1932+1059	19:32:14.038(2)	+10:59:33.21(5)	4.41464565156(± 1)	-22.5369(+7, -6)	(+1.6, -1.4)	116	3.64	—
J1932-3655	19:32:06.1280(6)	-36:55:01.78(3)	1.75002463079(+9, -1)	-0.8767(± 3)	(+0.6, -3.6)	39	2.38	—
J1935+1616	19:35:47.8255(2)	+16:16:39.723(4)	2.78750145981(+3, -5)	-46.6373(+1, -8)	(+0.51, -0.31)	59	2.15	—
J1941-2602	19:41:00.4169(1)	-26:02:05.884(9)	2.48226091399(+9, -8)	-5.89424(± 2)	(+0.21, -0.098)	105	3.09	—
J1943-1237	19:43:25.461(3)	-12:37:42.9(2)	1.02835150982(+1, -9)	-1.75624(+4, -3)	(+1.4, -0.2)	54	3.22	—
J1945-0040	19:45:28.33(3)	-00:40:59(1)	0.9563585837(± 1)	-0.47(± 2)	(+79.1, -88.5)	64	1.3	—
J1946-2913	19:46:51.757(5)	-29:13:48.1(3)	1.04226478935(± 1)	-1.61748(+5, -4)	(+0.2, -0.14)	63	3.27	—
J2006-0807	20:06:16.365(4)	-08:07:02.16(2)	1.72155151633(± 5)	-0.1355(+1, -9)	(+0.52, -0.4)	255	3.42	—
J2033+0042	20:33:31.12(2)	+00:42:24.1(9)	0.199465428208(+3, -2)	-0.38564(+6, -7)	(+0.21, -0.09)	129	3.28	—
J2038-3816	20:38:54.36(3)	-38:16:15.6(9)	0.633999188596(± 9)	-1.6728(± 3)	(+2.6, -6.7)	48	2.4	—
J2046-0421	20:46:00.1760(2)	-04:21:26.3(1)	0.646437789195(+1, -9)	-0.61473(+3, -2)	(+0.044, -0.064)	141	3.41	—
J2046+1540	20:46:39.336(5)	+15:40:33.6(1)	0.878513972444(± 3)	-0.14056(± 7)	(+0.21, -0.24)	72	3.39	—
J2048-1616	20:48:35.74(2)	-16:16:45(1)	0.509792367545(± 6)	-2.84929(± 2)	(+0.071, -0.055)	105	4.04	—
J2051-0827	20:51:07.52058(5)	-08:27:37.61(2)	221.796283548(± 3)	-0.6248(+9, -7)	(+2.6, -0.5)	193	3.23	B
J2053-7200	20:53:47.280(4)	-72:00:42.48(2)	2.9296611297(± 3)	-1.69606(+9, -8)	(+0.1, -0.19)	64	3.22	—
J2116+1414	21:16:13.761(1)	+14:14:20.38(4)	2.27193569866(± 4)	-1.49439(± 8)	(+0.13, -0.38)	127	3.18	—
J2129-5721	21:29:22.77664(9)	-57:21:14.2954(7)	268.359226956(± 2)	-1.5024(± 5)	(+14.1, -15.3)	100	2.22	PPTA, B
J2144-3933	21:44:12.01(1)	-39:33:58.4(3)	0.117511188481(+4, -5)	-0.0064(+1, -2)	(+0.038, -0.089)	95	3.2	—
J2145-0750	21:45:50.4552(8)	-07:50:18.56(3)	62.2958878113(± 3)	-0.111(± 1)	(+2.5, -0.1)	162	3.12	PPTA, B
J2155-3118	21:55:13.64(1)	-31:18:53.8(2)	0.97087088287(+3, -2)	-1.16876(+7, -8)	(+0.25, -0.21)	61	3.08	—
J2222-0137	22:22:05.96713(1)	-01:37:15.731(5)	30.4712133291(± 1)	-0.0535(+3, -5)	(+0.67, -0.17)	216	3.2	B
J2241-5236	22:41:42.03154(6)	-52:36:36.2491(6)	457.310149438(+9, -1)	-1.4408(± 6)	(+0.65, -0.81)	295	3.27	PPTA, B
J2248-0101	22:48:26.884(6)	-01:01:48.0(2)	2.09541027394(± 5)	-2.8961(± 1)	(+0.8, -2.5)	172	2.54	—
J2324-6054	23:24:27.14(1)	-60:54:05.794(9)	0.425987202198(+1, -9)	-0.46843(+3, -4)	(+0.061, -0.12)	87	3.07	—

Table 1 – *continued*

PSRJ	RAJ (hh:mm:ss)	DECJ ($^{\circ}:\prime:\prime'$)	ν (Hz)	$\dot{\nu}$ (10^{-15} s $^{-2}$)	$\ddot{\nu}$ (10^{-24} s $^{-3}$)	N_{ToA}	T (yr)	Flags
J2330–2005	23:30:26.986(2)	–20:05:29.75(7)	0.608411174931(± 4)	–1.71419(± 1)	(+0.042, –0.097)	172	3.52	–
J2346–0609	23:46:50.54(1)	–06:10:01.04(4)	0.846407381972(± 3)	–0.9728(± 1)	(+0.04, –0.46)	236	3.23	–