PSR	Period s	Binary?	logAge yr	logB G	$\log \dot{E}$ erg/s	pm?	$E(B–V)$	d_1 kpc	d_2 kpc	C
J0006+1834	0.6937		6.7	12.1	32.4		0.07	0.9	0.7	1.1
J0023+0923	0.0031	L	9.6	8.3	34.2	Y	0.08	1.1	1.1	0.4
J0034-0721	0.9430		7.6	11.8	31.3		0.06	1.0	1.0	0.6
J0101-6422	0.0026	WD	9.9	8.1	34.1	Y	0.07	1.0	0.6	1.3
J0152-1637	0.8327		7.0	12.0	31.9	Y	0.07	0.9	0.5	1.5
J0304+1932	1.3876		7.2	12.1	31.3	Y	0.09	0.7	0.6	1.1
J0357+3205	0.4441		5.7	12.4	33.8	Y	0.05	0.5	0.5	0.5
J0452-1759	0.5489		6.2	12.3	33.1	Y	0.23	0.4	0.4	1.1
J0459-0210	1.1331		7.1	12.1	31.6		0.12	0.2	0.9	7.9
J0517+2212	0.2224		8.5	10.7	31.6		0.11	0.2	0.7	9.0
J0536-7543	1.2459		7.5	11.9	31.1		0.11	0.1	0.8	11.5
J0613+3731	0.6192		6.5	12.2	32.7		0.11	0.2	0.6	6.5
J0614-3329	0.0031	WD	9.5	8.4	34.3	Y	0.21	0.6	0.6	0.5
J0630-2834	1.2444		6.4	12.5	32.2	Y	0.20	0.3	0.3	2.1
J0636+5129	0.0029	L	10.1	8.0	33.8	Y	0.06	0.2	0.5	8.2
J0645+5158	0.0089		10.5	8.3	32.4	Y	0.10	0.8	0.8	0.7
J0700+6418	0.1957	WD	9.7	10.1	30.6		0.05	0.4	0.5	3.4
J0711-6830	0.0055		9.8	8.5	33.6	Y	0.10	0.1	0.9	18.6
J0736-6304	4.8629		5.7	13.4	31.7		0.11	0.1	0.9	21.5
J0740+6620	0.0029	U	9.6	8.3	34.3	Y	0.09	0.4	0.4	2.8
J0828-3417	1.8489		7.5	12.1	30.8		0.30	0.4	0.5	0.6
J0837+0610	1.2738		6.5	12.5	32.1	Y	0.07	0.2	0.7	8.5
J0908-1739	0.4016		7.0	11.7	32.6	Y	0.09	0.8	0.9	0.7
J0921+6254	1.5680		6.8	12.4	31.6		0.07	1.0	0.6	1.1
J0944-1354	0.5703		8.3	11.2	31.0	Y	0.07	0.7	0.7	1.2
J0946+0951	1.0977		6.7	12.3	32.0	Y	0.09	0.9	0.6	1.0

Table 1: Part1/3 – The properties of 85 selected targets based on the ATNF pulsar catalog (March 2019, Manchester et al 2005). In addition to name and period, we list whether the pulsar is in a binary with a white dwarf (WD), planets or ultra-light companions (L), in a double neutron star system (DNS), or unknown binary (U; note that we ensured that nothing was detected down to 21 mag, i.e., the brightness limit of the SBC is not violated). We list further the age, the magnetic dipole strength, the spin-down energy $\dot{E}$, whether a significant proper motion is detected, the extinction $E(B-V)$ (derived from either the radio dispersion measure or the X-ray absorbing hydrogen column density in case of two radio-quiet sources). The distances, d_1 and d_2, were either derived for two different extinction models in the ATNF catalog (these distances can be different) or are distances from other constraints, e.g., from parallax measurements for the closest pulsars. We use all available distance estimates and assume the most pessimistic distance when we apply the > 0.4 cut to the "figure-of-merit" (see proposal text). Due to the limited space, we only list the average, C, in the last column.

PSR name	Period s	Binary?	logAge yr	logB G	$\log \dot{E}$ erg/s	pm?	$E(B–V)$	d_1 kpc	d_2 kpc	C
J1012+5307	0.0053	WD	9.7	8.5	33.7	Y	0.05	0.7	0.7	1.4
J1022+1001	0.0165	WD	9.8	8.9	32.6	Y	0.06	1.1	1.1	0.5
J1024-0719	0.0052	L	9.6	8.5	33.7	Y	0.04	1.2	1.2	0.5
J1045-4509	0.0075	WD	9.8	8.6	33.2	Y	0.33	0.3	0.3	0.7
J1115+5030	1.6564		7.0	12.3	31.3	Y	0.05	0.9	0.5	2.0
J1125+7819	0.0042	U	10.0	8.2	33.6	Y	0.07	0.9	0.7	1.1
J1231-1411	0.0037	WD	9.4	8.5	34.3	Y	0.05	0.4	0.4	3.8
J1239+2453	1.3824		7.4	12.1	31.1	Y	0.05	0.8	0.8	0.9
J1300+1240	0.0062	L	8.9	8.9	34.3	Y	0.06	0.6	0.6	1.8
J1313+0931	0.8489		7.2	11.9	31.7		0.07	1.1	0.7	0.8
J1320-3512	0.4585		9.6	10.5	29.9		0.09	0.9	0.7	0.8
J1321+8323	0.6700		7.3	11.8	31.9	Y	0.08	1.0	0.8	0.8
J1332-3032	0.6504		7.3	11.8	31.9		0.09	0.9	0.7	0.9
J1400-1431	0.0031	WD	9.8	8.2	34.0	Y	0.03	0.3	0.3	10.3
J1405-4656	0.0076	WD	9.6	8.7	33.4	Y	0.08	0.7	0.6	1.4
J1411+2551	0.0625	DNS	10.0	9.4	31.2	Y	0.07	1.1	1.0	0.5
J1412+7922	0.0592		9.4	9.7	31.9	Y	0.05	0.3	0.3	7.5
J1434+7257	0.0417		9.1	9.7	32.5		0.07	1.0	0.7	0.9
J1439-5501	0.0286	WD	9.5	9.3	32.4		0.08	0.7	0.6	1.4
J1455-3330	0.0080	WD	9.7	8.6	33.3	Y	0.08	1.0	1.0	0.5
J1503+2111	3.3140		8.6	11.8	29.2		0.02	0.2	0.6	8.6
J1518+4904	0.0409	DNS	10.4	9.0	31.2	Y	0.07	1.0	0.6	1.1
J1528-3146	0.0608	WD	9.6	9.6	31.6		0.10	0.8	0.8	0.7
J1537+1155	0.0379	DNS	8.4	10.0	33.3	Y	0.07	1.1	1.1	0.5
J1603-7202	0.0148	WD	10.2	8.7	32.3	Y	0.22	0.5	0.5	0.7
J1607-0032	0.4218		7.3	11.6	32.2		0.06	0.7	0.7	1.4
J1614-2230	0.0032	WD	9.7	8.2	34.1	Y	0.20	0.7	0.7	0.4
J1705-1906	0.2990		6.1	12.1	33.8		0.13	0.8	0.9	0.6
J1709-1640	0.6531		6.2	12.3	32.9		0.14	0.6	0.8	0.8
J1730-2304	0.0081		9.8	8.6	33.2	Y	0.05	0.6	0.6	1.7
J1732-3131	0.1965		5.0	12.4	35.2		0.09	0.6	0.6	1.3
J1739-3951	0.3418		8.4	10.9	31.3		0.14	0.8	0.8	0.6
J1745-3040	0.3674		5.7	12.3	33.9	Y	0.50	0.2	0.2	0.5
J1751-4657	0.7424		7.0	12.0	32.1		0.12	0.7	0.7	0.8
J1752-2806	0.5626		6.0	12.3	33.3		0.29	0.2	0.2	2.7

Table 2: Part 2/3 – The properties of 85 selected targets (continued)

PSR name	Period s	Binary?	logAge yr	logB G	$\log \dot{E}$ erg/s	pm?	$E(B–V)$	d_1 kpc	d_2 kpc	C
J1825-0935	0.7690		5.4	12.8	33.7	Y	0.11	0.3	0.3	4.7
J1840-1419	6.5976		7.2	12.8	29.9		0.11	0.7	0.8	0.7
J1848-1952	4.3082		6.5	13.0	31.0		0.10	0.8	0.8	0.8
J1903-7051	0.0036	WD	9.7	8.3	33.9	Y	0.11	0.9	0.8	0.6
J1908+0734	0.2124		6.6	11.6	33.5		0.06	0.7	1.0	1.0
J1909-3744	0.0029	WD	9.5	8.3	34.3	Y	0.06	1.1	1.1	0.5
J1918+1541	0.3709		6.4	12.0	33.3		0.07	0.8	1.2	0.7
J1933-6211	0.0035	WD	10.2	8.1	33.5	Y	0.07	0.7	0.5	1.8
J1946+1805	0.4406		8.5	11.0	31.0	Y	0.09	0.3	0.3	5.4
J1954+2923	0.4267		9.6	10.4	29.9	Y	0.05	0.5	0.7	1.9
J2015+2524	2.3033		7.9	12.0	30.2		0.07	0.9	1.1	0.6
J2018+2839	0.5580		7.8	11.5	31.5	Y	0.08	1.0	1.0	0.6
J2048-1616	1.9616		6.5	12.7	31.8	Y	0.07	1.0	1.0	0.7
J2053-7200	0.3413		7.4	11.4	32.3		0.10	1.0	0.5	1.2
J2145-0750	0.0161	WD	9.9	8.8	32.4	Y	0.05	0.5	0.5	2.4
J2155-5641	1.3737		6.7	12.4	31.8		0.08	1.0	0.6	1.0
J2214+3000	0.0031	L	9.5	8.3	34.3	Y	0.13	0.6	0.6	1.0
J2234+0944	0.0036	L	9.5	8.4	34.2	Y	0.10	0.8	0.8	0.8
J2241-5236	0.0022	L	9.7	8.1	34.4		0.07	1.0	0.5	1.5
J2307+2225	0.5358		9.0	10.8	30.3		0.04	0.5	0.6	2.5
J2313+4253	0.3494		7.7	11.3	32.0	Y	0.10	1.1	1.1	0.4
J2322+2057	0.0048		9.9	8.3	33.5	Y	0.08	1.0	0.8	0.7
J2330-2005	1.6436		6.7	12.4	31.6	Y	0.05	0.9	0.4	2.7
J2339-0533	0.0029	L	9.5	8.3	34.4	Y	0.26	1.1	1.1	0.6

Table 3: Part 3/3 – The properties of 85 selected targets (continued).