

Pulsars being timed

GLAST LAT pulsar research is significantly enhanced if accurate rotation ephemerides for known neutrons stars are available. This is described in "[Pulsar Timing for the GLAST Large Area Telescope](#)", D.A. Smith, L. Guillemot, et al, accepted to Astron. Astrophysics, <http://lanl.arxiv.org/abs/0810.1637> . [Here is Table 1 in LaTeX format.](#)(ascii with &'s separating the columns, basically).

Sustained pulsar monitoring for GLAST is provided by a consortium of radio and X-ray astronomers. A memorandum of understanding describing the consortium's agreement with the LAT collaboration is [LAT-MD-09047-01](#). A memorandum of understanding describing an agreement between the Urumqi radio observatory (Nanshan, China) and the LAT collaboration is [LAT-MD-9064-01](#).

The pulsars being monitored are in the table, below, which was copied from <http://www.atnf.csiro.au/people/joh414/glast/> on 23 May, 2008.

List of 224 pulsars with log(Edot) > 34.0

JNAME	BNAME	NOTE	PERIOD	DM	AGE	EDOT	DIST	TELESCOPE	PI
			sec		log	log	kpc		
J0034-0534		MSP	0.002	13.76	9.78	34.48	0.5	LOVELL	Kramer
J0034-0534		MSP	0.002	13.76	9.78	34.48	0.5	NANCAY	Cognard
J0117+5914	B0114+58		0.101	49.42	5.44	35.34	2.2	LOVELL	Kramer
J0117+5914	B0114+58		0.101	49.42	5.44	35.34	2.2	NANCAY	Cognard
J0139+5814	B0136+57		0.272	73.78	5.61	34.32	2.9	LOVELL	Kramer
J0139+5814	B0136+57		0.272	73.78	5.61	34.32	2.9	NANCAY	Cognard
J0205+6449			0.066	140.70	3.73	37.43	3.2	LOVELL	Kramer
J0205+6449			0.066	140.70	3.73	37.43	3.2	NANCAY	Cognard
J0205+6449			0.066	140.70	3.73	37.43	3.2	GBT	Camilo
J0218+4232		MSP	0.002	61.25	8.68	35.38	2.7	LOVELL	Kramer
J0218+4232		MSP	0.002	61.25	8.68	35.38	2.7	NANCAY	Cognard
J0358+5413	B0355+54		0.156	57.14	5.75	34.65	1.1	LOVELL	Kramer
J0358+5413	B0355+54		0.156	57.14	5.75	34.65	1.1	NANCAY	Cognard
J0437-4715		MSP	0.006	2.64	9.20	34.08	0.1	PARKES	Manchester
J0455-6951	B0456-69	LMC	0.320	94.89	5.70	34.08	49.4	none	none
J0534+2200	B0531+21	Crab	0.033	56.79	3.09	38.66	2.0	LOVELL	Kramer
J0534+2200	B0531+21	Crab	0.033	56.79	3.09	38.66	2.0	NANCAY	Cognard
J0535-6935		LMC	0.201	93.70	5.44	34.75	49.4	none	none
J0537-6910		X-ray	0.016		3.69	38.69	49.4	RXTE	Marshall
J0538+2817			0.143	39.57	5.79	34.69	1.5	LOVELL	Kramer
J0538+2817			0.143	39.57	5.79	34.69	1.5	NANCAY	Cognard
J0540-6919	B0540-69	LMC	0.051	146.50	3.22	38.18	49.4	RXTE	Marshall
J0543+2329	B0540+23		0.246	77.71	5.40	34.61	2.1	PARKES	Weltevrede
J0543+2329	B0540+23		0.246	77.71	5.40	34.61	2.1	LOVELL	Kramer
J0543+2329	B0540+23		0.246	77.71	5.40	34.61	2.1	NANCAY	Cognard
J0613-0200		MSP	0.003	38.78	9.70	34.11	1.7	PARKES	Manchester
J0613-0200		MSP	0.003	38.78	9.70	34.11	1.7	LOVELL	Kramer
J0613-0200		MSP	0.003	38.78	9.70	34.11	1.7	NANCAY	Cognard
J0614+2229	B0611+22		0.335	96.91	4.95	34.79	2.1	LOVELL	Kramer
J0614+2229	B0611+22		0.335	96.91	4.95	34.79	2.1	NANCAY	Cognard
J0627+0705			0.476	138.20	5.40	34.04		PARKES	Weltevrede
J0627+0705			0.476	138.20	5.40	34.04		LOVELL	Kramer
J0631+1036			0.288	125.40	4.64	35.23	3.7	LOVELL	Kramer
J0631+1036			0.288	125.40	4.64	35.23	3.7	NANCAY	Cognard
J0633+1746		Geminga	0.237		5.53	34.51	0.2	none	none
J0659+1414	B0656+14		0.385	13.98	5.05	34.58	0.3	PARKES	Weltevrede
J0659+1414	B0656+14		0.385	13.98	5.05	34.58	0.3	LOVELL	Kramer
J0659+1414	B0656+14		0.385	13.98	5.05	34.58	0.3	NANCAY	Cognard
J0729-1448			0.252	92.30	4.55	35.45	3.5	PARKES	Weltevrede
J0729-1448			0.252	92.30	4.55	35.45	3.5	LOVELL	Kramer
J0729-1448			0.252	92.30	4.55	35.45	3.5	NANCAY	Cognard
J0742-2822	B0740-28		0.167	73.78	5.20	35.15	2.1	PARKES	Weltevrede
J0742-2822	B0740-28		0.167	73.78	5.20	35.15	2.1	LOVELL	Kramer
J0745-5353	B0743-53		0.215	122.30	6.10	34.04	0.2	PARKES	Weltevrede
J0821-3824			0.125	195.60	5.91	34.70		PARKES	Weltevrede
J0834-4159			0.121	240.50	5.64	35.00	1.7	PARKES	Weltevrede
J0835-4510	B0833-45	Vela	0.089	67.99	4.05	36.84	0.3	PARKES	Weltevrede
J0855-4644			0.065	238.20	5.15	36.04	3.9	PARKES	Weltevrede

J0857-4424			0.327	184.43	5.35	34.41	1.9	PARKES	Wetlevrede
J0901-4624			0.442	198.80	4.90	34.60	2.8	PARKES	Wetlevrede
J0905-5127			0.346	196.43	5.34	34.38	3.3	PARKES	Wetlevrede
J0908-4913	B0906-49		0.107	180.37	5.05	35.69	2.5	PARKES	Wetlevrede
J0940-5428			0.088	134.50	4.63	36.28	3.0	PARKES	Wetlevrede
J0954-5430			0.473	200.30	5.23	34.20	3.9	PARKES	Wetlevrede
J1003-4747	B1001-47		0.307	98.10	5.34	34.48	2.9	PARKES	Wetlevrede
J1015-5719			0.140	278.70	4.59	35.92	5.1	PARKES	Wetlevrede
J1016-5819			0.088	252.10	6.30	34.61	4.7	PARKES	Wetlevrede
J1016-5857			0.107	394.20	4.32	36.41	8.0	PARKES	Wetlevrede
J1019-5749			0.162	1039.4	5.11	35.26	6.9	PARKES	Wetlevrede
J1020-6026			0.140	445.00	5.52	34.98	12.3	PARKES	Wetlevrede
J1043-6116			0.289	449.20	5.64	34.23	9.5	PARKES	Wetlevrede
J1048-5832	B1046-58		0.124	129.10	4.31	36.30	2.7	PARKES	Wetlevrede
J1052-5954			0.181	491.00	5.16	35.11	8.5	PARKES	Wetlevrede
J1055-6032			0.100	633.00	4.75	36.04		PARKES	Wetlevrede
J1057-5226	B1055-52		0.197	30.10	5.73	34.48	0.7	PARKES	Wetlevrede
J1105-6107			0.063	271.01	4.80	36.40	5.0	PARKES	Wetlevrede
J1112-6103			0.065	599.10	4.51	36.65	12.2	PARKES	Wetlevrede
J1115-6052			0.260	228.20	5.76	34.20	4.1	PARKES	Wetlevrede
J1119-6127			0.408	707.40	3.21	36.36	8.4	PARKES	Wetlevrede
J1123-6259			0.271	223.26	5.91	34.00	4.3	PARKES	Wetlevrede
J1124-5916			0.135	330.00	3.46	37.08	6.5	none	none
J1138-6207			0.118	519.80	5.17	35.48	9.7	PARKES	Wetlevrede
J1156-5707			0.288	243.50	5.24	34.64	6.0	PARKES	Wetlevrede
J1216-6223			0.374	786.60	5.55	34.11	16.6	PARKES	Wetlevrede
J1224-6407	B1221-63		0.216	97.47	5.84	34.28	3.1	PARKES	Wetlevrede
J1248-6344			0.198	433.30	5.27	34.93	8.3	PARKES	Wetlevrede
J1300+1240	B1257+12	MSP	0.006	10.17	8.94	34.28	0.8	LOVELL	Kramer
J1300+1240	B1257+12	MSP	0.006	10.17	8.94	34.28	0.8	NANCAY	Cognard
J1301-6305			0.185	374.00	4.04	36.23	6.7	PARKES	Wetlevrede
J1302-6350	B1259-63		0.048	146.72	5.52	35.91	2.8	PARKES	Wetlevrede
J1305-6203			0.428	470.00	5.32	34.20	8.5	PARKES	Wetlevrede
J1320-5359	B1317-53		0.280	97.60	5.68	34.23	2.3	PARKES	Wetlevrede
J1327-6400			0.281	680.90	5.16	34.75	15.5	PARKES	Wetlevrede
J1341-6220	B1338-62		0.193	717.30	4.08	36.15	11.1	PARKES	Wetlevrede
J1349-6130			0.259	284.60	5.90	34.08	5.0	PARKES	Wetlevrede
J1357-6429			0.166	128.50	3.86	36.49	2.5	PARKES	Wetlevrede
J1359-6038	B1356-60		0.128	293.71	5.50	35.08	5.2	PARKES	Wetlevrede
J1406-6121			0.213	542.30	4.79	35.34	8.2	PARKES	Wetlevrede
J1410-6132			0.050	960.00	4.40	37.00		PARKES	Wetlevrede
J1412-6145			0.315	514.70	4.70	35.08	7.8	PARKES	Wetlevrede
J1413-6141			0.286	677.00	4.13	35.75	10.1	PARKES	Wetlevrede
J1420-6048			0.068	360.00	4.11	37.00	5.6	PARKES	Wetlevrede
J1452-5851			0.387	262.40	5.08	34.54	4.3	PARKES	Wetlevrede
J1452-6036			0.155	349.70	6.23	34.18	5.8	PARKES	Wetlevrede
J1453-6413	B1449-64		0.179	71.07	6.02	34.28	2.1	PARKES	Wetlevrede
J1509-5850			0.089	137.70	5.19	35.71	2.6	PARKES	Wetlevrede
J1512-5759	B1508-57		0.129	628.70	5.47	35.11	7.3	PARKES	Wetlevrede
J1513-5908	B1509-58		0.151	252.50	3.19	37.26	4.2	PARKES	Wetlevrede
J1514-5925			0.149	194.10	5.91	34.54	3.5	PARKES	Wetlevrede
J1515-5720			0.287	482.00	5.87	34.00	6.6	PARKES	Wetlevrede
J1524-5625			0.078	152.70	4.50	36.51	2.8	PARKES	Wetlevrede
J1524-5706			1.116	833.00	4.70	34.00	11.4	PARKES	Wetlevrede
J1531-5610			0.084	110.90	4.99	35.96	2.1	PARKES	Wetlevrede
J1538-5551			0.105	603.00	5.71	35.04	7.5	PARKES	Wetlevrede
J1539-5626	B1535-56		0.243	175.88	5.90	34.11	3.1	PARKES	Wetlevrede
J1541-5535			0.296	428.00	4.80	35.04	5.7	PARKES	Wetlevrede
J1543-5459			0.377	345.70	5.06	34.58	4.8	PARKES	Wetlevrede
J1548-5607			0.171	315.50	5.40	34.93	4.9	PARKES	Wetlevrede
J1549-4848			0.288	55.98	5.51	34.36	2.7	PARKES	Wetlevrede
J1550-5418		Magnetar	2.070	830.00	3.15	35.00	9.6	none	none
J1551-5310			0.453	493.00	4.57	34.92	7.8	PARKES	Wetlevrede
J1600-5044	B1557-50		0.193	260.56	5.78	34.45	6.7	PARKES	Wetlevrede
J1600-5751	B1556-57		0.194	176.55	6.16	34.04	3.5	PARKES	Wetlevrede
J1601-5335			0.288	194.60	4.87	35.00	4.5	PARKES	Wetlevrede

J1611-5209	B1607-52		0.182	127.57	5.75	34.53	4.3	PARKES	Wetlevrede
J1614-5048	B1610-50		0.232	582.80	3.87	36.20	7.9	PARKES	Wetlevrede
J1617-5055			0.069	467.00	3.90	37.20	6.8	PARKES	Wetlevrede
J1623-2631	B1620-26	MSP	0.011	62.86	8.42	34.28	2.2	LOVELL	Kramer
J1623-2631	B1620-26	MSP	0.011	62.86	8.42	34.28	2.2	NANCAY	Cognard
J1626-4807			0.294	817.00	5.42	34.43	8.9	PARKES	Wetlevrede
J1627-4706			0.141	456.10	6.11	34.40	6.1	PARKES	Wetlevrede
J1632-4757			0.229	578.00	5.38	34.70	6.4	PARKES	Wetlevrede
J1632-4818			0.813	758.00	4.30	34.68	7.8	PARKES	Wetlevrede
J1637-4553	B1634-45		0.119	193.23	5.77	34.88	3.2	PARKES	Wetlevrede
J1637-4642			0.154	417.00	4.61	35.81	5.1	PARKES	Wetlevrede
J1638-4417			0.118	436.00	6.06	34.59	6.2	PARKES	Wetlevrede
J1638-4608			0.278	424.30	4.93	34.97	5.2	PARKES	Wetlevrede
J1640-4715	B1636-47		0.517	591.70	5.29	34.08	6.5	PARKES	Wetlevrede
J1643-4505			0.237	484.00	5.07	34.97	5.6	PARKES	Wetlevrede
J1646-4346	B1643-43		0.232	490.40	4.51	35.56	5.8	PARKES	Wetlevrede
J1648-4611			0.165	392.90	5.04	35.32	5.0	PARKES	Wetlevrede
J1649-4653			0.557	332.00	5.25	34.04	4.7	PARKES	Wetlevrede
J1650-4502			0.381	319.70	5.58	34.04	4.4	PARKES	Wetlevrede
J1650-4921			0.156	229.90	6.13	34.28	4.1	PARKES	Wetlevrede
J1702-4128			0.182	367.10	4.74	35.53	4.8	PARKES	Wetlevrede
J1702-4305			0.216	537.90	5.54	34.59		PARKES	Wetlevrede
J1702-4310			0.241	377.00	4.23	35.80	5.1	PARKES	Wetlevrede
J1705-3950			0.319	207.10	4.92	34.87	3.3	PARKES	Wetlevrede
J1709-4429	B1706-44		0.102	75.69	4.24	36.53	2.3	PARKES	Wetlevrede
J1715-3903			0.278	313.10	5.07	34.84	4.1	PARKES	Wetlevrede
J1718-3825			0.075	247.40	4.95	36.11	3.6	PARKES	Wetlevrede
J1718-3825			0.075	247.40	4.95	36.11	3.6	NANCAY	Cognard
J1721-3532	B1718-35		0.280	496.00	5.25	34.65	5.6	PARKES	Wetlevrede
J1721-3532	B1718-35		0.280	496.00	5.25	34.65	5.6	LOVELL	Kramer
J1721-3532	B1718-35		0.280	496.00	5.25	34.65	5.6	NANCAY	Cognard
J1722-3712	B1719-37		0.236	99.50	5.54	34.52	1.9	PARKES	Wetlevrede
J1722-3712	B1719-37		0.236	99.50	5.54	34.52	1.9	NANCAY	Cognard
J1723-3659			0.203	254.20	5.60	34.58	3.5	PARKES	Wetlevrede
J1723-3659			0.203	254.20	5.60	34.58	3.5	NANCAY	Cognard
J1726-3530			1.110	727.00	4.16	34.54	8.4	PARKES	Wetlevrede
J1726-3530			1.110	727.00	4.16	34.54	8.4	NANCAY	Cognard
J1730-3350	B1727-33		0.139	259.00	4.41	36.08	3.5	PARKES	Wetlevrede
J1730-3350	B1727-33		0.139	259.00	4.41	36.08	3.5	LOVELL	Kramer
J1730-3350	B1727-33		0.139	259.00	4.41	36.08	3.5	NANCAY	Cognard
J1731-4744	B1727-47		0.830	123.33	4.91	34.04	2.8	PARKES	Wetlevrede
J1733-3716	B1730-37		0.338	153.50	5.55	34.18	2.8	PARKES	Wetlevrede
J1733-3716	B1730-37		0.338	153.50	5.55	34.18	2.8	NANCAY	Cognard
J1734-3333			1.169	578.00	3.91	34.75	6.5	PARKES	Wetlevrede
J1734-3333			1.169	578.00	3.91	34.75	6.5	LOVELL	Kramer
J1735-3258			0.351	754.00	5.33	34.38	9.6	PARKES	Wetlevrede
J1735-3258			0.351	754.00	5.33	34.38	9.6	LOVELL	Kramer
J1735-3258			0.351	754.00	5.33	34.38	9.6	NANCAY	Cognard
J1737-3137			0.450	488.20	4.71	34.78	5.5	PARKES	Wetlevrede
J1737-3137			0.450	488.20	4.71	34.78	5.5	LOVELL	Kramer
J1737-3137			0.450	488.20	4.71	34.78	5.5	NANCAY	Cognard
J1738-2955			0.443	223.40	4.93	34.57	3.5	PARKES	Wetlevrede
J1738-2955			0.443	223.40	4.93	34.57	3.5	LOVELL	Kramer
J1738-2955			0.443	223.40	4.93	34.57	3.5	NANCAY	Cognard
J1739-3023			0.114	170.00	5.20	35.48	2.9	PARKES	Wetlevrede
J1739-3023			0.114	170.00	5.20	35.48	2.9	LOVELL	Kramer
J1739-3023			0.114	170.00	5.20	35.48	2.9	NANCAY	Cognard
J1740+1000			0.154	23.85	5.06	35.36	1.2	LOVELL	Kramer
J1740+1000			0.154	23.85	5.06	35.36	1.2	NANCAY	Cognard
J1740-3015	B1737-30		0.607	152.15	4.31	34.91	2.7	PARKES	Wetlevrede
J1740-3015	B1737-30		0.607	152.15	4.31	34.91	2.7	LOVELL	Kramer
J1740-3015	B1737-30		0.607	152.15	4.31	34.91	2.7	NANCAY	Cognard
J1741+1351		MSP	0.004	24.20	9.29	34.36	0.5	none	none
J1743-3153			0.193	505.70	5.46	34.76	6.6	LOVELL	Kramer
J1743-3153			0.193	505.70	5.46	34.76	6.6	NANCAY	Cognard
J1747-2958			0.099	101.50	4.41	36.40	2.0	NANCAY	Cognard

J1747-2958			0.099	101.50	4.41	36.40	2.0	GBT	Camilo
J1755-2534			0.234	590.00	5.52	34.54	7.1	LOVELL	Kramer
J1756-2225			0.405	326.00	5.09	34.49	5.0	PARKES	Wetlevrede
J1756-2225			0.405	326.00	5.09	34.49	5.0	LOVELL	Kramer
J1757-2421	B1754-24		0.234	179.45	5.46	34.60	4.4	PARKES	Wetlevrede
J1757-2421	B1754-24		0.234	179.45	5.46	34.60	4.4	LOVELL	Kramer
J1757-2421	B1754-24		0.234	179.45	5.46	34.60	4.4	NANCAY	Cognard
J1801-2154			0.375	387.90	5.57	34.08	5.3	PARKES	Wetlevrede
J1801-2304	B1758-23		0.416	1073.9	4.77	34.79	12.6	PARKES	Wetlevrede
J1801-2304	B1758-23		0.416	1073.9	4.77	34.79	12.6	LOVELL	Kramer
J1801-2304	B1758-23		0.416	1073.9	4.77	34.79	12.6	NANCAY	Cognard
J1801-2451	B1757-24		0.125	289.00	4.19	36.41	5.2	PARKES	Wetlevrede
J1801-2451	B1757-24		0.125	289.00	4.19	36.41	5.2	LOVELL	Kramer
J1801-2451	B1757-24		0.125	289.00	4.19	36.41	5.2	NANCAY	Cognard
J1803-2137	B1800-21		0.134	233.99	4.20	36.34	3.9	PARKES	Wetlevrede
J1803-2137	B1800-21		0.134	233.99	4.20	36.34	3.9	LOVELL	Kramer
J1803-2137	B1800-21		0.134	233.99	4.20	36.34	3.9	NANCAY	Cognard
J1806-2125			0.482	750.40	4.80	34.63	9.8	PARKES	Wetlevrede
J1806-2125			0.482	750.40	4.80	34.63	9.8	LOVELL	Kramer
J1808-2024		SGR	7.556		2.34	34.70	13.1	none	none
J1809-1917			0.083	197.10	4.71	36.26	3.5	PARKES	Wetlevrede
J1809-1917			0.083	197.10	4.71	36.26	3.5	LOVELL	Kramer
J1809-1917			0.083	197.10	4.71	36.26	3.5	NANCAY	Cognard
J1811-1925		X-ray	0.065		4.37	36.81		RXTE	Kaspi
J1812-1910			0.431	892.00	5.26	34.28	11.2	PARKES	Wetlevrede
J1812-1910			0.431	892.00	5.26	34.28	11.2	LOVELL	Kramer
J1815-1738			0.198	728.00	4.61	35.59	8.8	PARKES	Wetlevrede
J1816-0755			0.218	116.80	5.73	34.40	2.8	LOVELL	Kramer
J1820-1529			0.333	772.00	5.14	34.60	8.9	PARKES	Wetlevrede
J1820-1529			0.333	772.00	5.14	34.60	8.9	LOVELL	Kramer
J1824-1945	B1821-19		0.189	224.65	5.76	34.48	4.7	PARKES	Wetlevrede
J1824-1945	B1821-19		0.189	224.65	5.76	34.48	4.7	LOVELL	Kramer
J1824-2452	B1821-24	MSP	0.003	119.80	7.48	36.34	4.9	PARKES	Manchest r
J1824-2452	B1821-24	MSP	0.003	119.80	7.48	36.34	4.9	LOVELL	Kramer
J1824-2452	B1821-24	MSP	0.003	119.80	7.48	36.34	4.9	NANCAY	Cognard
J1825-1446	B1822-14		0.279	357.00	5.29	34.61	5.1	PARKES	Wetlevrede
J1825-1446	B1822-14		0.279	357.00	5.29	34.61	5.1	LOVELL	Kramer
J1826-1334	B1823-13		0.101	231.00	4.33	36.45	3.9	PARKES	Wetlevrede
J1826-1334	B1823-13		0.101	231.00	4.33	36.45	3.9	LOVELL	Kramer
J1826-1334	B1823-13		0.101	231.00	4.33	36.45	3.9	NANCAY	Cognard
J1828-1057			0.246	245.00	5.28	34.74	4.0	PARKES	Wetlevrede
J1828-1057			0.246	245.00	5.28	34.74	4.0	LOVELL	Kramer
J1828-1101			0.072	607.40	4.89	36.20	6.6	PARKES	Wetlevrede
J1828-1101			0.072	607.40	4.89	36.20	6.6	LOVELL	Kramer
J1828-1101			0.072	607.40	4.89	36.20	6.6	NANCAY	Cognard
J1830-0131			0.153	95.70	6.06	34.36	2.6	LOVELL	Kramer
J1830-1059	B1828-11		0.405	161.50	5.03	34.56	3.2	PARKES	Wetlevrede
J1830-1059	B1828-11		0.405	161.50	5.03	34.56	3.2	LOVELL	Kramer
J1830-1059	B1828-11		0.405	161.50	5.03	34.56	3.2	NANCAY	Cognard
J1831-0952			0.067	247.00	5.11	36.04	4.0	PARKES	Wetlevrede
J1831-0952			0.067	247.00	5.11	36.04	4.0	LOVELL	Kramer
J1833-0827	B1830-08		0.085	411.00	5.17	35.76	4.7	PARKES	Wetlevrede
J1833-0827	B1830-08		0.085	411.00	5.17	35.76	4.7	LOVELL	Kramer
J1833-0827	B1830-08		0.085	411.00	5.17	35.76	4.7	NANCAY	Cognard
J1833-1034			0.062	169.50	3.69	37.53	4.3	GBT	Camilo
J1834-0731			0.513	295.00	5.15	34.23	5.1	PARKES	Wetlevrede
J1834-0731			0.513	295.00	5.15	34.23	5.1	LOVELL	Kramer
J1835-0643	B1832-06		0.306	472.90	5.08	34.75	6.2	PARKES	Wetlevrede
J1835-0643	B1832-06		0.306	472.90	5.08	34.75	6.2	LOVELL	Kramer
J1835-0944			0.145	277.20	5.72	34.75	4.4	PARKES	Wetlevrede
J1835-0944			0.145	277.20	5.72	34.75	4.4	LOVELL	Kramer
J1835-1106			0.166	132.68	5.11	35.26	2.8	PARKES	Wetlevrede
J1835-1106			0.166	132.68	5.11	35.26	2.8	LOVELL	Kramer
J1837-0559			0.201	317.80	5.98	34.20	5.4	PARKES	Wetlevrede
J1837-0559			0.201	317.80	5.98	34.20	5.4	LOVELL	Kramer

J1837-0604			0.096	462.00	4.53	36.30	6.4	PARKES	Wetlevrede
J1838-0453			0.381	621.00	4.72	34.92	8.1	PARKES	Wetlevrede
J1838-0453			0.381	621.00	4.72	34.92	8.1	LOVELL	Kramer
J1838-0453			0.381	621.00	4.72	34.92	8.1	NANCAY	Cognard
J1838-0549			0.235	274.00	5.05	35.00	5.1	PARKES	Wetlevrede
J1839-0321			0.239	449.10	5.48	34.56	7.2	PARKES	Wetlevrede
J1839-0321			0.239	449.10	5.48	34.56	7.2	LOVELL	Kramer
J1839-0905			0.419	348.00	5.41	34.15	5.4	PARKES	Wetlevrede
J1841+0130		MSP	0.030	125.88	7.76	34.08	3.6	LOVELL	Kramer
J1841-0345			0.204	194.32	4.75	35.43	4.8	LOVELL	Kramer
J1841-0345			0.204	194.32	4.75	35.43	4.8	NANCAY	Cognard
J1841-0425	B1838-04		0.186	325.49	5.66	34.59	5.7	PARKES	Wetlevrede
J1841-0425	B1838-04		0.186	325.49	5.66	34.59	5.7	LOVELL	Kramer
J1841-0425	B1838-04		0.186	325.49	5.66	34.59	5.7	NANCAY	Cognard
J1841-0524			0.446	289.00	4.48	35.00	5.3	PARKES	Wetlevrede
J1841-0524			0.446	289.00	4.48	35.00	5.3	LOVELL	Kramer
J1842-0905			0.345	343.30	5.72	34.00	5.9	PARKES	Wetlevrede
J1842-0905			0.345	343.30	5.72	34.00	5.9	LOVELL	Kramer
J1843-0355			0.132	797.60	6.31	34.26	8.8	PARKES	Wetlevrede
J1843-0355			0.132	797.60	6.31	34.26	8.8	LOVELL	Kramer
J1843-0702			0.192	228.10	6.15	34.08	4.8	PARKES	Wetlevrede
J1843-1113		MSP	0.002	59.96	9.48	34.78	1.7	LOVELL	Kramer
J1843-1113		MSP	0.002	59.96	9.48	34.78	1.7	NANCAY	Cognard
J1844-0256			0.273	820.20	5.18	34.74	9.2	PARKES	Wetlevrede
J1844-0538	B1841-05		0.256	412.80	5.62	34.36	6.5	PARKES	Wetlevrede
J1844-0538	B1841-05		0.256	412.80	5.62	34.36	6.5	LOVELL	Kramer
J1844-0538	B1841-05		0.256	412.80	5.62	34.36	6.5	NANCAY	Cognard
J1845-0316			0.208	500.00	5.57	34.59	7.0	LOVELL	Kramer
J1845-0743			0.105	281.00	6.66	34.11	5.2	PARKES	Wetlevrede
J1845-0743			0.105	281.00	6.66	34.11	5.2	LOVELL	Kramer
J1845-0743			0.105	281.00	6.66	34.11	5.2	NANCAY	Cognard
J1846-0258		X-ray	0.326		2.86	36.91		RXTE	Gotthelf
J1853+0011			0.398	568.80	5.27	34.32	8.1	none	none
J1853+0056			0.276	180.90	5.31	34.60	5.1	LOVELL	Kramer
J1853+0545			0.126	198.70	6.52	34.08	5.3	LOVELL	Kramer
J1853+0545			0.126	198.70	6.52	34.08	5.3	NANCAY	Cognard
J1853-0004			0.101	438.20	5.46	35.32	7.2	PARKES	Wetlevrede
J1853-0004			0.101	438.20	5.46	35.32	7.2	LOVELL	Kramer
J1853-0004			0.101	438.20	5.46	35.32	7.2	NANCAY	Cognard
J1856+0113	B1853+01		0.267	96.74	4.31	35.63	3.3	LOVELL	Kramer
J1857+0143			0.140	249.00	4.85	35.65	5.8	LOVELL	Kramer
J1857+0212	B1855+02		0.416	506.77	5.21	34.34	8.0	LOVELL	Kramer
J1903+0601			0.374	388.00	5.49	34.15	7.2	LOVELL	Kramer
J1903+0925			0.357	162.00	5.18	34.51	4.9	none	none
J1904+0800			0.263	438.80	5.38	34.57	8.6	LOVELL	Kramer
J1906+0746			0.144	217.78	5.05	35.43	5.4	NANCAY	Cognard
J1907+0345			0.240	311.70	5.67	34.36	7.2	NANCAY	Cognard
J1907+0731			0.364	239.80	5.50	34.18	5.7	NANCAY	Cognard
J1907+0918			0.226	357.90	4.58	35.51	7.8	LOVELL	Kramer
J1907+0918			0.226	357.90	4.58	35.51	7.8	NANCAY	Cognard
J1907+0919		SGR	5.169		3.02	34.34		none	none
J1908+0839			0.185	512.10	6.09	34.18	9.3	LOVELL	Kramer
J1908+0909			0.337	467.50	5.18	34.56	9.0	LOVELL	Kramer
J1909+0912			0.223	421.50	4.99	35.11	8.2	LOVELL	Kramer
J1909-3744		MSP	0.003	10.39	9.52	34.34	1.1	PARKES	Manchest er
J1909-3744		MSP	0.003	10.39	9.52	34.34	1.1	NANCAY	Cognard
J1911-1114		MSP	0.004	30.98	9.61	34.08	1.2	LOVELL	Kramer
J1911-1114		MSP	0.004	30.98	9.61	34.08	1.2	NANCAY	Cognard
J1913+0832			0.134	355.20	5.67	34.87	7.9	LOVELL	Kramer
J1913+0832			0.134	355.20	5.67	34.87	7.9	NANCAY	Cognard
J1913+0904			0.163	95.30	5.17	35.20	3.0	LOVELL	Kramer
J1913+1011			0.036	178.80	5.23	36.46	4.8	LOVELL	Kramer
J1913+1011			0.036	178.80	5.23	36.46	4.8	NANCAY	Cognard
J1917+1353	B1915+13		0.195	94.54	5.63	34.59	4.0	LOVELL	Kramer
J1917+1353	B1915+13		0.195	94.54	5.63	34.59	4.0	NANCAY	Cognard

J1921+0812			0.211	84.00	5.79	34.36	3.5	LOVELL	Kramer
J1928+1746			0.069	176.90	4.92	36.20	5.8	LOVELL	Kramer
J1930+1852			0.137	308.00	3.46	37.08	5.0	GBT	Camilo
J1932+2220	B1930+22		0.144	219.20	4.60	35.88	9.8	LOVELL	Kramer
J1932+2220	B1930+22		0.144	219.20	4.60	35.88	9.8	NANCAY	Cognard
J1939+2134	B1937+21	MSP	0.002	71.04	8.37	36.04	8.3	PARKES	Manchester
J1939+2134	B1937+21	MSP	0.002	71.04	8.37	36.04	8.3	LOVELL	Kramer
J1939+2134	B1937+21	MSP	0.002	71.04	8.37	36.04	8.3	NANCAY	Cognard
J1946+2611			0.435	165.00	5.50	34.04	6.1	LOVELL	Kramer
J1946+2611			0.435	165.00	5.50	34.04	6.1	NANCAY	Cognard
J1952+3252	B1951+32		0.040	45.01	5.03	36.57	2.5	LOVELL	Kramer
J1952+3252	B1951+32		0.040	45.01	5.03	36.57	2.5	NANCAY	Cognard
J1959+2048	B1957+20	MSP	0.002	29.12	9.18	35.20	2.5	NANCAY	Cognard
J2002+3217	B2000+32		0.697	142.21	5.02	34.08	5.7	LOVELL	Kramer
J2002+3217	B2000+32		0.697	142.21	5.02	34.08	5.7	NANCAY	Cognard
J2013+3845	B2011+38		0.230	238.22	5.61	34.46	8.4	LOVELL	Kramer
J2013+3845	B2011+38		0.230	238.22	5.61	34.46	8.4	NANCAY	Cognard
J2021+3651			0.104	371.00	4.24	36.53	12.4	LOVELL	Kramer
J2021+3651			0.104	371.00	4.24	36.53	12.4	NANCAY	Cognard
J2021+3651			0.104	371.00	4.24	36.53	12.4	GBT	Camilo
J2043+2740			0.096	21.00	6.08	34.75	1.8	LOVELL	Kramer
J2129-5721		MSP	0.004	31.87	9.45	34.20	1.4	PARKES	Manchester
J2150+5247	B2148+52		0.332	148.93	5.72	34.04	4.6	LOVELL	Kramer
J2150+5247	B2148+52		0.332	148.93	5.72	34.04	4.6	NANCAY	Cognard
J2229+6114			0.052	200.00	4.02	37.34	7.2	LOVELL	Kramer
J2229+6114			0.052	200.00	4.02	37.34	7.2	NANCAY	Cognard
J2229+6114			0.052	200.00	4.02	37.34	7.2	GBT	Camilo
J2337+6151	B2334+61		0.495	58.41	4.61	34.79	3.1	LOVELL	Kramer
J2337+6151	B2334+61		0.495	58.41	4.61	34.79	3.1	NANCAY	Cognard

In total there are 214 pulsars observed