

Public List of LAT-Detected Gamma-Ray Pulsars

The following is a compilation of all publicly-announced gamma-ray pulsars detected using the Fermi LAT. Each detection has been vetted by the LAT team, typically requiring a pulsed-detection significance of at least 4 sigma before announcement. We attempt to ensure that the information presented here is correct, but we strongly encourage users to consult the cited literature as the definitive source of information. Note that this list does **not** include all pulsars found in radio searches of LAT sources or other radio pulsars associated with LAT sources **unless** gamma-ray pulsations have been detected. To prevent inadvertent disclosure of private information, Edot column is only populated for pulsars whose discoveries have already been published, not just announced at a conference. Another warning: Edots in this list are NOT corrected for the Shklovskii effect.

Timing models (i.e. par files) for most published gamma-ray pulsars are available from the FSSC at [this page](#) . And, a list of all LAT published papers is available [here](#) . **NB:** When referencing particulars of any individual published pulsar, *p*lease cite the original papers and *not* this URL.

Updates: 2023 August 29: updated after acceptance of 3PC by the ApJ Supplement. <https://arxiv.org/abs/2307.11132> https://fermi.gsfc.nasa.gov/ssc/data/access/lat/3rd_PSR_catalog/

2022 October 4: Added Kuiper, Hermsen & Dekker's detection of PSR J1846-0258 (<https://ui.adsabs.harvard.edu/abs/2018MNRAS.475.1238K>), confirmed by Brent Limayansky in his doctoral thesis (U. of Calif. Santa Cruz, 2022). Also added PSR J1835-3259B in the Globular Cluster NGC 6652, discovered in radio by Gautam, Ridolfi, Freire et al (<https://ui.adsabs.harvard.edu/abs/2022A&A...664A..54G>) and in gamma-rays by Zhang, Xing, Wang (<https://ui.adsabs.harvard.edu/abs/2022ApJ...935L..36Z>). These are rare instances of gamma-ray pulsation discoveries from outside the LAT team.

Summary Statistics

Total number of pulsars: 297

- Young, radio + X-ray selected: 74
- Young, gamma selected: 71
- MSP, radio selected : 136
- MSP, gamma selected : 10
- Found in searches of LAT unassociated sources : 159
- EGRET/COMPTEL pulsars: 10

Fermi LAT List of Detected Gamma-Ray Pulsars

Name	RAJ (deg)	DECJ (deg)	P (ms)	Edot	Discovery	Characteristics	Refs
PSR J0002+6216	0.74	62.27	115.36	1.5e+35	GU	r	P201,64
PSR J0007+7303	1.75	73.05	315.87	4.5e+35	G	q	1,6,14,23,38,45
PSR J0023+0923	5.82	9.39	3.05	1.5e+34	RUP	mbr	P6,45
PSR J0030+0451	7.61	4.86	4.87	3.5e+33	R	mrx	5,7,14,45
PSR J0034-0534	8.59	-5.58	1.88	2.9e+34	R	mbr	15,45
PSR J0101-6422	15.30	-64.38	2.57	1.1e+34	RUP	mbr	39,P10,45
PSR J0102+4839	15.71	48.66	2.96	1.7e+34	RUP	mbr	P6,45
PSR J0106+4855	16.60	48.93	83.16	2.9e+34	GU	r	32,45
PSR J0117+5914	19.41	59.24	101.44	2.2e+35	R	r	87
PSR J0139+5814	24.83	58.24	272.46	2.1e+34	R	r	87
PSR J0154+1833	28.65	18.56	2.36	8.5e+33	R	mr	87
PSR J0205+6449	31.41	64.83	65.74	3e+37	X	rx	4,14,45
PSR J0218+4232	34.53	42.54	2.32	2.4e+35	R	mbrx	7,14,45
PSR J0248+4230	42.13	42.51	2.60	3.8e+34	RUP	mr	P200,70,90
PSR J0248+6021	42.08	60.36	217.11	2.1e+35	R	r	14,26,45
PSR J0251+2606	42.76	26.10	2.54	1.8e+34	RUP	mbr	P200,60,84,87
PSR J0307+7443	46.98	74.72	3.16	2.2e+34	RUP	mbr	P6,42
PSR J0312-0921	48.03	-9.37	3.70	1.5e+34	RUP	mbr	87,93
PSR J0318+0253	49.56	2.88	5.19	5e+33	RU	mr	73
PSR J0340+4130	55.10	41.51	3.30	7.5e+33	RUP	mr	P6,45,55
PSR J0357+3205	59.47	32.09	444.10	5.9e+33	GU	q	6,14,23,45
PSR J0359+5414	59.86	54.25	79.43	1.3e+36	GU	q	P201,64
PSR J0418+6635	64.70	66.59	2.91	2.2e+34	RUP	mr	92,93
PSR J0437-4715	69.32	-47.25	5.76	1.2e+34	R	mbrx	7,14,45
PSR J0514-4408	78.72	-44.14	320.31	2.5e+33	R	r	70,82
PSR J0533+6759	83.48	67.99	4.39	5.7e+33	RUP	mr	53
PSR J0534+2200	83.63	22.01	33.00	4.6e+38	RE	rx	11,14,45
PSR J0540-6919	85.05	-69.33	50.50	1.5e+38	X	rx	P18,65
PSR J0554+3107	88.52	31.13	464.96	5.6e+34	GU	q	P201,51
PSR J0605+3757	91.27	37.96	2.73	9.5e+33	RUP	mbr	53

PSR J0610-2100	92.56	-21.01	3.86	8.4e+33	R	mbr	P12,44,45
PSR J0613-0200	93.43	-2.01	3.06	1.5e+34	R	mbr	7,14,45
PSR J0614-3329	93.54	-33.50	3.15	2.2e+34	RUP	mbrx	22,45
PSR J0621+2514	95.30	25.23	2.72	4.8e+34	RUP	mbr	53
PSR J0622+3749	95.54	37.82	333.21	2.7e+34	GU	q	32,45
PSR J0631+0646	97.97	6.77	110.98	1e+35	GU	r	P201,64
PSR J0631+1036	97.86	10.62	287.77	1.7e+35	R	r	12,14,45
PSR J0633+0632	98.43	6.54	297.40	1.2e+35	GU	q	6,14,23,45
PSR J0633+1746	98.48	17.77	236.97	3.2e+34	XE	xq	14,20,45
PSR J0636+5128	99.02	51.48	2.87	5.7e+33	R	mbrx	P24,75
PSR J0653+4706	103.27	47.11	4.76	7.6e+33	RUP	mbr	87,P29
PSR J0659+1414	104.95	14.24	384.91	3.8e+34	R	rx	12,14,45
PSR J0729-1448	112.32	-14.81	251.66	2.8e+35	R	r	45
PSR J0729-1836	112.38	-18.61	510.15	5.6e+33	R	r	P24,75
PSR J0734-1559	113.69	-15.99	155.14	1.3e+35	GU	q	P8,45
PSR J0737-3039A	114.46	-30.66	22.70	5.9e+33	R	mbr	P15,77
PSR J0740+6620	115.19	66.34	2.89	2e+34	R	mbrx	P19,59
PSR J0742-2822	115.70	-28.38	166.75	1.4e+35	R	r	12,14,45
PSR J0744-2525	116.02	-25.42	92.01	4.8e+34	GU	q	92
PSR J0751+1807	117.79	18.13	3.48	7.3e+33	R	mbrx	7,14,45
PSR J0802-5613	120.60	-56.22	274.09	5.3e+33	GU	q	92
PSR J0834-4159	128.57	-41.99	121.12	9.5e+34	R	r	87
PSR J0835-4510	128.84	-45.18	88.97	7e+36	RE	rx	3,14,17,45
PSR J0908-4913	137.15	-49.22	106.76	4.9e+35	R	r	P9,45
PSR J0922+0638	140.56	6.64	430.66	6.8e+33	R	r	P200,68
PSR J0931-1902	142.83	-19.05	4.64	1.4e+33	R	mr	P19,52,59
PSR J0940-5428	145.24	-54.48	87.55	1.9e+36	R	r	P9,45
PSR J0952-0607	148.03	-6.12	1.41	6.7e+34	RUP	mbr	80
PSR J0955-6150	148.83	-61.84	2.00	7e+34	RUP	mbr	P23,61
PSR J0955-3947	148.87	-39.80	2.02	1.8e+35	RU	mbr	87,100
PSR J1012-4235	153.05	-42.60	3.10	8.7e+33	RUP	mr	P23,61
PSR J1016-5857	154.09	-58.95	107.39	2.6e+36	R	r	P4,45
PSR J1019-5749	154.97	-57.82	162.50	1.8e+35	R	r	P13,45
PSR J1023-5746	155.76	-57.77	111.47	1.1e+37	GU	q	21,45
PSR J1023+0038	155.95	0.64	1.69	5.7e+34	R	mbr	87
PSR J1024-0719	156.16	-7.32	5.16	5.3e+33	R	mr	P12,44,45
PSR J1028-5819	157.12	-58.32	91.40	8.3e+35	R	r	P12,2,14,45
PSR J1035-6720	158.86	-67.34	2.87	7.7e+34	GU	mr	72
PSR J1036-8317	159.17	-83.30	3.41	3e+34	RUP	mbr	P23,61
PSR J1044-5737	161.14	-57.62	139.03	8e+35	GU	q	21,45
PSR J1048+2339	162.18	23.66	4.67	1.2e+34	RUP	mbr	79,84
PSR J1048-5832	162.05	-58.53	123.61	2e+36	R	r	10,14,39,45
PSR J1055-6028	163.91	-60.48	99.66	1.2e+36	R	r	P17,45,56
PSR J1057-5226	164.50	-52.45	197.24	3e+34	RE	rx	14,19,45
PSR J1057-5851	164.29	-58.85	620.35	1.7e+34	GU	q	P201,64
PSR J1105-6037	166.25	-60.62	194.93	1.2e+35	GU	q	P201,64
PSR J1105-6107	166.36	-61.13	63.19	2.5e+36	R	r	P13,45
PSR J1111-6039	167.95	-60.66	106.67	7e+36	GU	q	P25
PSR J1112-6103	168.06	-61.06	64.97	4.5e+36	R	r	45
PSR J1119-6127	169.81	-61.46	407.75	2.3e+36	R	rx	P3,34,45
PSR J1124-3653	171.00	-36.89	2.41	1.7e+34	RUP	mbr	P6,45
PSR J1124-5916	171.16	-59.27	135.48	1.2e+37	R	rx	14,23,45
PSR J1125-5825	171.43	-58.42	3.10	8.1e+34	R	mbr	30,45
PSR J1125-6014	171.48	-60.24	2.63	8.1e+33	R	mbr	P24,75
PSR J1135-6055	173.78	-60.93	114.49	2.1e+36	GU	q	P11,45
PSR J1137+7528	174.26	75.47	2.51	7.9e+33	RUP	mbr	53
PSR J1139-6247	174.82	-62.79	120.43	9.1e+34	GU	q	92
PSR J1142+0119	175.71	1.33	5.08	4.5e+33	RUP	mbr	53
PSR J1151-6108	177.99	-61.14	101.63	3.9e+35	R	r	68
PSR J1203-6242	180.98	-62.71	100.64	1.7e+36	GU	q	92
PSR J1207-5050	181.84	-50.84	4.84	2.1e+33	RUP	mr	P200,70,90
PSR J1208-6238	182.06	-62.63	440.52	1.5e+36	GU	q	P201,63
PSR J1221-0633	185.35	-6.56	1.93	5.9e+34	R	mbr	85
PSR J1224-6407	186.09	-64.13	216.45	1.9e+34	R	r	P19,69
PSR J1227-4853	186.99	-48.90	1.69	9e+34	RUP	mbr	57,70

PSR J1231-1411	187.80	-14.20	3.68	1.8e+34	RUP	mbrx	22,45
PSR J1231-5113	187.90	-51.23	206.44	5.2e+32	GU	q	92
PSR J1231-6511	187.93	-65.20	247.37	7.4e+34	GU	q	92
PSR J1253-5820	193.37	-58.34	255.50	5e+33	R	r	87
PSR J1259-8148	194.88	-81.81	2.09	1.5e+34	RU	mbr	87,100
PSR J1301+0833	195.41	8.57	1.84	6.7e+34	RUP	mbr	69
PSR J1302-3258	195.61	-32.98	3.77	5.1e+33	RUP	mbr	55
PSR J1306-6043	196.58	-60.73	5.67	6.6e+33	R	mbr	87,100
PSR J1311-3430	197.94	-34.51	2.56	4.9e+34	GUP	mbr	46,47
PSR J1312+0051	198.19	0.85	4.23	9.3e+33	RUP	mbr	53
PSR J1327-0755	201.99	-7.93	2.68	3.7e+33	R	mbr	P24,75
PSR J1335-5656	203.77	-56.93	3.24	1.4e+34	GU	mq	92
PSR J1341-6220	205.43	-62.34	193.34	1.4e+36	R	r	P21,68
PSR J1350-6225	207.68	-62.43	138.16	1.3e+35	GU	q	P201,64
PSR J1356+0230	209.15	2.51	2.83	—	RUP	mbr	100,101
PSR J1357-6429	209.26	-64.49	166.11	3.1e+36	R	rx	28,29,45
PSR J1358-6025	209.61	-60.43	60.52	5.4e+35	GU	q	92
PSR J1400-1431	210.15	-14.53	3.08	9.7e+33	R	mbr	86
PSR J1402+1306	210.69	13.12	5.89	2.6e+33	RUP	mbr	87
PSR J1410-6132	212.60	-61.54	50.05	1e+37	R	r	P9,45
PSR J1413-6205	213.37	-62.09	109.74	8.3e+35	GU	q	21,45
PSR J1418-6058	214.68	-60.97	110.57	5e+36	GU	q	6,14,23,45
PSR J1420-6048	215.03	-60.80	68.18	1e+37	R	rx	12,14,45
PSR J1422-6138	215.62	-61.64	340.97	9.6e+34	GU	q	P201,51
PSR J1429-5911	217.49	-59.19	115.84	7.7e+35	GU	q	21,45
PSR J1431-4715	217.94	-47.26	2.01	6.8e+34	R	mbr	P200,68
PSR J1446-4701	221.65	-47.02	2.19	3.8e+34	R	mbr	30,45
PSR J1447-5757	221.87	-57.96	158.73	1.2e+35	GU	q	92
PSR J1455-3330	223.95	-33.51	7.99	1.9e+33	R	mbr	P19,59,45
PSR J1459-6053	224.88	-60.89	103.15	9.1e+35	GU	qx	6,14,23,45
PSR J1509-5850	227.36	-58.85	88.92	5.2e+35	R	r	12,14,45
PSR J1513-2550	228.35	-25.84	2.12	9e+34	RUP	mbr	53
PSR J1513-5908	228.48	-59.14	150.66	1.8e+37	XE	rx	18,45
PSR J1514-4946	228.58	-49.77	3.59	1.6e+34	RUP	mbr	39,42,45
PSR J1522-5735	230.52	-57.58	102.14	1.2e+36	GU	q	P201,51
PSR J1526-2744	231.69	-27.73	2.49	9.1e+33	RU	rmb	87,102
PSR J1528-5838	232.10	-58.63	355.75	2.2e+34	GU	q	P201,64
PSR J1531-5610	232.87	-56.18	84.20	9e+35	R	r	P9,45
PSR J1536-4948	234.10	-49.82	3.08	2.9e+34	RUP	mbr	P200,70,90
PSR J1543-5149	235.93	-51.83	2.06	7.3e+34	R	mbr	50
PSR J1544+4937	236.02	49.63	2.16	1.2e+34	RUP	mbr	49,70
PSR J1552+5437	238.22	54.62	2.43	7.7e+33	R	mr	67,71
PSR J1555-2908	238.92	-29.14	1.79	3.1e+35	RUP	mbr	P26,91,94
PSR J1600-3053	240.22	-30.90	3.60	8.1e+33	R	mbr	P6,44,45
PSR J1614-2230	243.65	-22.51	3.15	1.3e+34	R	mbrx	7,14,45
PSR J1614-5048	243.55	-50.80	231.89	1.6e+36	R	r	87
PSR J1615-5137	243.82	-51.62	179.28	7.3e+34	GU	q	81
PSR J1620-4927	245.17	-49.46	171.93	8.2e+34	GU	q	32,45
PSR J1622-0315	245.75	-3.26	3.85	7.9e+33	RUP	mbr	53
PSR J1623-6936	245.96	-69.61	2.41	2.6e+34	RU	mbr	87,102
PSR J1623-5005	245.77	-50.09	85.11	2.7e+35	GU	q	P201,64
PSR J1624-4041	246.04	-40.69	167.86	4e+34	GU	q	P201,64
PSR J1625-0021	246.29	-0.36	2.83	3.7e+34	RUP	mbr	84
PSR J1627+3219	246.97	32.31	2.18	2.1e+34	RU	rmb	87
PSR J1628-3205	247.03	-32.10	3.21	1.3e+34	RUP	mbr	69
PSR J1630+3734	247.65	37.58	3.32	1.1e+34	RUP	mbr	53
PSR J1640+2224	250.07	22.40	3.16	3.5e+33	R	mbr	P17,45,56
PSR J1641-5317	250.32	-53.30	175.11	2.7e+34	GU	q	74
PSR J1641+8049	250.34	80.83	2.02	4.3e+34	R	mbr	87
PSR J1646-4346	251.71	-43.78	231.60	3.6e+35	R	r	P21,68
PSR J1648-4611	252.09	-46.19	164.95	2.1e+35	R	r	P1,45
PSR J1649-3012	252.44	-30.21	3.42	1.3e+34	GU	mq	92
PSR J1650-4601	252.58	-46.02	127.06	2.9e+35	GU	q	P201,64
PSR J1653-0158	253.41	-1.98	1.97	1.2e+34	GU	mbq	83,91
PSR J1658-5324	254.66	-53.40	2.44	3.2e+34	RUP	mr	39,42,45
PSR J1702-4128	255.72	-41.48	182.14	3.4e+35	R	r	P13,45

PSR J1705-1906	256.40	-19.11	298.99	6.1e+33	R	r	P17,45,56
PSR J1709-4429	257.43	-44.49	102.46	3.4e+36	RE	rx	14,19,45
PSR J1713+0747	258.46	7.79	4.57	3.5e+33	R	mbr	P12,44,45
PSR J1714-3830	258.58	-38.51	84.14	4.6e+36	GU	q	P25
PSR J1718-3825	259.56	-38.42	74.68	1.3e+36	R	r	12,14,45
PSR J1730-2304	262.59	-23.08	8.12	1.5e+33	R	mr	P19,59
PSR J1730-3350	262.64	-33.84	139.49	1.2e+36	R	r	P9,45
PSR J1731-4744	262.93	-47.74	829.88	1.1e+34	R	r	P24,75
PSR J1732-3131	263.14	-31.52	196.54	1.5e+35	GU	r	6,14,23,45
PSR J1732-5049	263.20	-50.82	5.31	3.7e+33	R	mbr	P17,45,56
PSR J1736-3422	264.05	-34.37	346.93	6.2e+34	GU	q	92
PSR J1739-3023	264.92	-30.39	114.37	3e+35	R	r	P19,69
PSR J1740+1000	265.11	10.00	154.08	2.3e+35	R	r	P24,75
PSR J1741-2054	265.49	-20.90	413.70	9.5e+33	GU	rx	6,9,14,23,45
PSR J1741+1351	265.38	13.86	3.75	2.2e+34	R	mbr	44,45
PSR J1742-3321	265.55	-33.36	143.31	1.7e+34	GU	q	92
PSR J1744-1134	266.12	-11.58	4.07	5.2e+33	R	mr	7,14,45
PSR J1744-7619	266.00	-76.32	4.69	3.7e+33	GU	mq	72
PSR J1745+1017	266.39	10.30	2.65	5.3e+33	RUP	mbr	48
PSR J1746-3239	266.73	-32.67	199.54	3.3e+34	GU	q	32,45
PSR J1747-2958	266.82	-29.97	98.81	2.5e+36	R	rx	14,45
PSR J1747-4036	266.95	-40.62	1.65	1.2e+35	RUP	mr	39,42,45
PSR J1748-2815	267.13	-28.25	100.16	1.4e+35	GU	q	92
PSR J1757-6032	269.44	-60.54	2.91	4.8e+33	RU	mbr	87,102
PSR J1757-2421	269.37	-24.37	234.08	4e+34	R	r	P24,75
PSR J1801-2451	270.25	-24.86	124.92	2.6e+36	R	r	P9,45
PSR J1803-6707	270.77	-67.13	2.13	7.5e+34	RU	rmb	87,102
PSR J1803-2149	270.79	-21.82	106.33	6.4e+35	GU	q	32,45
PSR J1805+0615	271.43	6.26	2.13	9.4e+34	RUP	mbr	P200,60,84
PSR J1809-2332	272.46	-23.54	146.79	4.3e+35	G	q	6,14,23,45
PSR J1810+1744	272.66	17.74	1.66	4e+34	RUP	mbr	P6,45
PSR J1811-2405	272.83	-24.09	2.66	2.8e+34	R	mbr	50
PSR J1813-1246	273.35	-12.77	48.07	6.2e+36	GU	q	6,14,23,45
PSR J1816-0755	274.10	-7.92	217.64	2.5e+34	R	r	P24,75
PSR J1816+4510	274.15	45.18	3.19	5.2e+34	RU	mbr	37,42
PSR J1817-1742	274.29	-17.70	149.74	2.4e+35	GU	q	74
PSR J1823-3021A	275.92	-30.36	5.44	8.3e+35	R	mr	P7,36,45
PSR J1824-0621	276.07	-6.37	3.23	1.1e+34	R	mr b	87
PSR J1824-2452A	276.13	-24.87	3.05	2.2e+36	R	mr x	45,48
PSR J1824+1014	276.06	10.25	4.07	3.2e+33	RUP	mbr	84
PSR J1826-1256	276.54	-12.94	110.22	3.6e+36	G	xq	6,14,23,45
PSR J1827-0849	276.90	-8.83	2.24	3.8e+34	GU	mq	78
PSR J1827-1446	276.85	-14.77	499.19	1.4e+34	GU	q	P201,64
PSR J1828-1101	277.08	-11.03	72.05	1.6e+36	R	r	P19,69
PSR J1831-0952	277.89	-9.87	67.27	1.1e+36	R	r	P19,69
PSR J1832-0836	278.11	-8.62	2.72	1.7e+34	R	mr	P200,68
PSR J1833-3840	278.27	-38.68	1.87	1.1e+35	RUP	mbr	87
PSR J1833-1034	278.39	-10.57	61.88	3.4e+37	R	r	14,45
PSR J1835-3259B	278.94	-32.99	1.83	2.8e+35	R	mr	98,99
PSR J1835-1106	278.83	-11.10	165.91	1.8e+35	R	r	P13,45
PSR J1836+5925	279.06	59.42	173.26	1.1e+34	G	q	6,14,16,23,45
PSR J1837-0604	279.43	-6.08	96.29	2e+36	R	r	P19,69
PSR J1838-0537	279.73	-5.62	145.71	5.9e+36	GU	q	40,45
PSR J1841-0524	280.45	-5.41	445.83	1e+35	R	r	P24,75
PSR J1843-1113	280.92	-11.23	1.85	6e+34	R	mr	P17,45,56
PSR J1844-0346	281.14	-3.78	112.85	4.3e+36	GU	q	P201,64
PSR J1846-0258	281.60	-2.97	326.57	8.1e+36	X	xq	96,97
PSR J1846+0919	281.61	9.33	225.55	3.4e+34	GU	q	21,45
PSR J1852-1310	283.08	-13.17	4.31	5e+33	RUP	mr	87
PSR J1853-0004	283.35	-0.08	101.44	2.1e+35	R	r	P24,75
PSR J1855-1436	283.98	-14.60	3.59	9.3e+33	RUP	mbr	53
PSR J1856+0113	284.04	1.22	267.45	4.3e+35	R	r	P19,69
PSR J1857+0143	284.39	1.73	139.76	4.5e+35	R	r	P19,69
PSR J1857+0943	284.40	9.72	5.36	4.6e+33	R	mbr	87

PSR J1858-5422	284.53	-54.37	2.36	1.2e+34	RU	mbr	87,102
PSR J1858-2216	284.57	-22.28	2.38	1.1e+34	RUP	mbr	42,45,53
PSR J1901-0125	285.39	-1.42	2.79	6.5e+34	GU	mr	78
PSR J1902-5105	285.51	-51.10	1.74	6.8e+34	RUP	mbr	39,42,45
PSR J1903-7051	285.91	-70.86	3.60	9.9e+34	RUP	mbr	62
PSR J1906+0722	286.63	7.38	111.48	1e+36	GU	q	P201,58
PSR J1907+0602	286.98	6.04	106.63	2.8e+36	G	r	6,13,14,23,45
PSR J1908+2105	287.24	21.08	2.56	3.3e+34	RUP	mbr	P200,60,84
PSR J1909-3744	287.45	-37.74	2.95	2.2e+34	R	mbr	68
PSR J1913+0904	288.34	9.08	163.25	1.6e+35	R	r	P17,45,56
PSR J1913+1011	288.33	10.19	35.91	2.9e+36	R	r	P24,75
PSR J1921+0137	290.38	1.62	2.50	4.9e+34	RUP	mbr	53
PSR J1921+1929	290.35	19.49	2.65	8.1e+34	R	mbr	76
PSR J1925+1720	291.36	17.34	75.66	9.5e+35	R	r	P24,75
PSR J1928+1746	292.18	17.77	68.73	1.6e+36	R	r	P24,75
PSR J1932+1916	293.08	19.28	208.21	4.1e+35	GU	q	P201,51
PSR J1932+2220	293.10	22.35	144.49	7.5e+35	R	r	P24,75
PSR J1935+2025	293.92	20.43	80.12	4.7e+36	R	r	P200,68
PSR J1939+2134	294.91	21.58	1.56	1.1e+36	R	mr _x	31,45
PSR J1946-5403	296.64	-54.06	2.71	5.4e+33	RUP	mbr	P23,61
PSR J1946+3417	296.60	34.29	3.17	3.9e+33	R	mbr	P24,75
PSR J1952+3252	298.24	32.88	39.49	3.7e+36	RE	rx	14,19,45
PSR J1954+2836	298.58	28.60	92.71	1e+36	GU	q	21,45
PSR J1954+3852	298.50	38.87	352.93	5.9e+33	R	r	87
PSR J1957+5033	299.41	50.56	374.81	5.3e+33	GU	q	21,45
PSR J1958+2846	299.67	28.76	290.39	3.4e+35	GU	q	6,14,23,45
PSR J1959+2048	299.90	20.80	1.61	1.6e+35	R	mbr _x	31,45
PSR J2006+0148	301.62	1.82	2.16	1.3e+34	RUP	mbr	84
PSR J2006+3102	301.55	31.03	163.70	2.2e+35	R	r	P200,68
PSR J2017-1614	304.44	-16.24	2.31	7.8e+33	RUP	mbr	53
PSR J2017+0603	304.34	6.05	2.90	1.3e+34	RUP	mbr	24,45
PSR J2017+3625	304.48	36.42	166.75	1.2e+34	GU	q	P201,64
PSR J2021+3651	305.27	36.86	103.73	3.4e+36	R	r	8,14,45
PSR J2021+4026	305.38	40.45	265.32	1.2e+35	G	q	6,14,23,33,45
PSR J2022+3842	305.59	38.70	48.58	3e+37	X	rx	P22
PSR J2028+3332	307.08	33.53	176.71	3.5e+34	GU	q	32,45
PSR J2029-4239	307.40	-42.66	5.31	2.5e+33	RU	mr	87,100
PSR J2030+3641	307.50	36.69	200.13	3.2e+34	RU	r	P2,35,45
PSR J2030+4415	307.72	44.26	227.07	2.2e+34	GU	q	32,45
PSR J2032+4127	308.06	41.46	143.25	2.7e+35	GU	br	6,9,14,23,45
PSR J2034+3632	308.75	36.54	3.65	1.4e+33	GU	m _q	92
PSR J2039-3616	309.82	-36.27	3.28	1.1e+34	R	mbr	85
PSR J2039-5617	309.90	-56.29	2.65	3e+34	GU	mbr	P28,83,89,91
PSR J2042+0246	310.50	2.80	4.53	6e+33	RU	mbr	53
PSR J2043+1711	310.84	17.19	2.38	1.5e+34	RUP	mbr	P5,41,45
PSR J2043+2740	310.93	27.68	96.15	5.6e+34	R	r	14,27,45
PSR J2047+1053	311.79	10.89	4.29	1.1e+34	RUP	mbr	42,45
PSR J2051-0827	312.78	-8.46	4.51	5.5e+33	R	mbr	43,44,45
PSR J2052+1218	313.20	12.33	1.99	3.4e+34	RUP	mbr	P200,60,84
PSR J2055+2539	313.95	25.67	319.56	4.9e+33	GU	q	21,45
PSR J2111+4606	317.85	46.11	157.83	1.4e+36	GU	q	32,45
PSR J2115+5448	318.80	54.81	2.60	1.7e+35	RUP	mbr	53,87
PSR J2116+1345	319.21	13.76	2.22	9.6e+33	RU	rmb	87
PSR J2116+3701	319.06	37.03	145.88	—	R	r	-1
PSR J2124-3358	321.18	-33.98	4.93	6.9e+33	R	mr _x	7,14,45
PSR J2129-0429	322.44	-4.49	7.61	3e+34	RUP	mbr	54
PSR J2139+4716	324.98	47.27	282.85	3.1e+33	GU	q	32,45
PSR J2205+6012	331.39	60.22	2.42	6.4e+34	R	mbr	P200
PSR J2208+4056	332.01	40.93	636.96	8.1e+32	R	r	P24,75
PSR J2214+3000	333.66	30.01	3.12	1.8e+34	RUP	mbr _x	22,45
PSR J2215+5135	333.89	51.59	2.61	5.2e+34	RUP	mbr	P6,45
PSR J2229+6114	337.27	61.24	51.63	2.2e+37	R	rx	10,14
PSR J2234+0944	338.70	9.74	3.63	1.6e+34	RUP	mbr	54
PSR J2238+5903	339.62	59.06	162.73	8.9e+35	GU	q	6,14,23
PSR J2240+5832	340.18	58.54	139.94	2.2e+35	R	r	26
PSR J2241-5236	340.43	-52.61	2.19	2.5e+34	RUP	mbr _x	25

PSR J2256-1024	344.23	-10.41	2.29	5.2e+34	R	mbr	P6,45
PSR J2302+4442	345.70	44.71	5.19	3.7e+33	RUP	mbr	24
PSR J2310-0555	347.53	-5.93	2.61	1.1e+34	RUP	mbr	53
PSR J2317+1439	349.29	14.66	3.45	2.3e+33	R	mbr	P200,68
PSR J2333-5526	353.32	-55.44	2.10	—	RUP	mbr	100,101
PSR J2339-0533	354.91	-5.55	2.88	2.2e+34	RUP	mbr	P16,45,66

Codes

G	Discovered in Fermi-LAT gamma-ray data.
R	Discovered in the radio and/or gamma-ray pulsations detected using the radio ephemeris.
X	Discovered in the X-ray and/or gamma-ray pulsations detected using the X-ray ephemeris.
E	Pulsar was detected in gamma rays by EGRET/COMPTEL.
P	Pulsar was discovered by the Pulsar Search Consortium.
U	Discovered using a Fermi-LAT seed position.
r	Pulsations detected in the radio band.
x	Pulsations detected in the X-ray band.
m	Millisecond pulsar.
b	Pulsar is in a binary system.
q	Gamma pulsar with no radio detection

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