

### 3FGL UCSs/AGNs CLASSIFICATION LIST

The List contains the classification of AGNs sorted from UCSs listed in the 3FGL Fermi–LAT catalogue <http://adsabs.harvard.edu/abs/2016ApJ...820...8S> and relies on the artificial neural networks likelihood which used B-FlaP method, <http://adsabs.harvard.edu/abs/2016MNRAS.462.3180C> based on the Empirical Cumulative Distribution Function of the  $\gamma$ -ray flux as key parameter. The second and the third columns show the galactic longitude and latitude respectively.

ANN likelihood ( $L$ ) to be a BL Lac or an FSRQ is in unit  $0 \leq L \leq 1$ . The closer to 1 is the value of  $L$ , the greater the likelihood that the source is in that specific source class.

#### How to read the List

BCU are classified as a BL Lac candidates if  $L_{\text{BL Lac}}$  is greater than 0.566, or FSRQ candidates if  $L_{\text{FSRQ}}$  is greater than 0.770.

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0000.2-3738	345.41	-74.947	0.986	1.40E-02	BL Lac
J0001.6+3535	111.66	-26.188	0.842	1.58E-01	BL Lac
J0002.0-6722	310.14	-49.062	0.974	2.61E-02	BL Lac
J0003.5+5721	116.49	-4.912	0.712	2.88E-01	BL Lac
J0004.2+0843	103.6	-52.363	0.903	9.75E-02	BL Lac
J0006.2+0135	100.4	-59.297	0.772	2.28E-01	BL Lac
J0006.6+4618	114.91	-15.867	0.383	0.617	AGU Uncertain
J0007.4+1742	108.33	-43.911	0.825	1.75E-01	BL Lac
J0007.9+4006	113.98	-22.007	0.856	1.44E-01	BL Lac
J0014.3-0455	99.59	-66.096	1.18E-01	0.882	FSRQ
J0016.5+1713	111.14	-44.85	0.538	0.462	AGU Uncertain
J0017.1+1445	110.67	-47.293	0.977	2.28E-02	BL Lac
J0020.9+0323	108.2	-58.601	0.991	9.30E-03	BL Lac
J0022.7+4651	117.84	-15.735	1.56E-01	0.844	FSRQ
J0026.2-4812	314.37	-68.354	0.916	8.40E-02	BL Lac
J0031.6+0938	114.84	-52.914	0.526	0.474	AGU Uncertain
J0032.3-5522	308.62	-61.549	7.24E-05	1	FSRQ
J0032.5+3912	118.95	-23.513	0.594	4.06E-01	BL Lac
J0049.0+4224	122.45	-20.456	0.985	1.50E-02	BL Lac
J0051.6+6445	122.95	1.888	5.83E-02	0.942	FSRQ
J0102.1+0943	127.33	-53.052	0.886	1.14E-01	BL Lac
J0102.1+4458	124.92	-17.858	0.893	1.07E-01	BL Lac
J0112.9-7506	301.07	-41.945	0.939	6.06E-02	BL Lac
J0114.8+1917	130.52	-43.232	0.719	2.81E-01	BL Lac
J0127.4+5433	128.19	-7.949	2.14E-01	0.786	FSRQ
J0127.5+5634	127.92	-5.952	5.87E-02	0.941	FSRQ
J0127.6+4851	129.05	-13.579	1.15E-01	0.885	FSRQ

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0132.1-5340	289.86	-62.409	0.874	1.26E-01	BL Lac
J0133.2-4737	283.94	-67.938	0.807	1.93E-01	BL Lac
J0133.3+5930	128.23	-2.926	0.654	3.46E-01	BL Lac
J0138.5-4612	279.95	-68.763	0.955	4.55E-02	BL Lac
J0149.6+4846	132.72	-12.992	0.428	0.572	AGU Uncertain
J0154.1+4642	133.98	-14.82	0.629	3.71E-01	BL Lac
J0156.5-2423	205.98	-75.106	0.979	2.13E-02	BL Lac
J0158.6+0102	155.51	-57.513	2.13E-01	0.787	FSRQ
J0200.3-4108	262.06	-70.082	0.978	2.21E-02	BL Lac
J0203.6+1148	149.51	-47.307	2.06E-01	0.794	FSRQ
J0211.0+1922	147.57	-39.65	0.297	0.703	AGU Uncertain
J0216.0+0300	160.32	-53.598	0.938	6.17E-02	BL Lac
J0216.4+0507	158.6	-51.754	0.605	3.95E-01	BL Lac
J0221.2+2518	147.33	-33.274	0.968	3.17E-02	BL Lac
J0223.6+3927	141.71	-20.032	0.691	3.09E-01	BL Lac
J0224.1-1846	196.45	-67.122	0.625	3.75E-01	BL Lac
J0224.4+1615	153.13	-41.091	0.238	0.762	AGU Uncertain
J0226.7-4747	267.3	-62.216	0.584	4.16E-01	BL Lac
J0228.5+8213	126.33	19.998	0.554	0.446	AGU Uncertain
J0231.0+1302	157.14	-43.111	6.10E-02	0.939	FSRQ
J0232.6+0646	162.46	-48.178	9.67E-02	0.903	FSRQ
J0233.0+6237	134.32	2.02	1.14E-05	1	FSRQ
J0234.2-0629	177.42	-58.034	0.985	1.45E-02	BL Lac
J0235.7+5647	136.88	-3.234	2.21E-03	0.998	FSRQ
J0239.0+2555	151.27	-30.962	0.968	3.23E-02	BL Lac
J0239.4+1326	159.2	-41.697	0.874	1.26E-01	BL Lac
J0240.0-0253	174.6	-54.492	0.532	0.468	AGU Uncertain
J0242.1-0534	178.61	-55.968	1.09E-01	0.891	FSRQ
J0248.4+5130	140.78	-7.256	0.89	1.10E-01	BL Lac
J0251.1-1829	201.87	-61.166	0.991	8.51E-03	BL Lac
J0254.2+5903	138.15	-0.141	4.81E-04	1	FSRQ
J0258.2+3555	149.9	-20.218	1.83E-01	0.817	FSRQ
J0258.9+0552	170.74	-44.836	0.928	7.18E-02	BL Lac
J0307.3+4916	144.53	-7.815	0.762	2.38E-01	BL Lac
J0308.4-2852	224.37	-59.818	0.896	1.04E-01	BL Lac
J0312.7-2222	212.36	-57.682	0.992	8.39E-03	BL Lac
J0312.7+2011	162.52	-31.607	0.98	2.02E-02	BL Lac
J0322.5-3721	240.44	-56.697	0.895	1.05E-01	BL Lac
J0323.7-6038	276.17	-47.806	0.486	0.514	AGU Uncertain
J0324.5-1315	199.48	-51.675	0.683	3.17E-01	BL Lac
J0332.4+4644	149.48	-7.666	9.17E-02	0.908	FSRQ
J0333.6+0233	182.21	-40.931	0.891	1.09E-01	BL Lac
J0340.4-2423	218.53	-52.029	0.955	4.51E-02	BL Lac
J0342.8+1321	174.19	-31.966	0.955	4.55E-02	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0348.1+4431	153.03	-7.769	0.659	3.41E-01	BL Lac
J0348.4+6039	143	4.885	0.941	5.89E-02	BL Lac
J0351.0-2816	225.38	-50.453	0.964	3.62E-02	BL Lac
J0351.4-3248	232.48	-50.9	0.902	9.85E-02	BL Lac
J0359.7+7649	133.02	17.813	0.871	1.29E-01	BL Lac
J0401.0-5359	264.14	-46.306	0.951	4.93E-02	BL Lac
J0402.7+2616	167.76	-19.517	7.78E-02	0.922	FSRQ
J0412.0+0229	189.62	-33.347	4.17E-02	0.958	FSRQ
J0414.9-0840	201.85	-38.605	0.338	0.662	AGU Uncertain
J0415.7-4351	249.11	-45.978	0.78	2.20E-01	BL Lac
J0418.2+3412	164.42	-11.517	0.398	0.602	AGU Uncertain
J0420.4-6013	271.16	-41.781	0.978	2.21E-02	BL Lac
J0420.4+1448	179.89	-24.215	7.51E-03	0.992	FSRQ
J0420.6-3742	240.29	-45.189	0.642	3.58E-01	BL Lac
J0421.6+1950	175.92	-20.749	0.318	0.682	AGU Uncertain
J0425.8+5600	149.77	4.75	3.00E-02	0.97	FSRQ
J0427.9-6704	279.14	-38.544	0.925	7.47E-02	BL Lac
J0430.1-3103	231.4	-42.532	0.971	2.86E-02	BL Lac
J0432.5+0539	189.99	-27.354	3.41E-02	0.966	FSRQ
J0434.3-1411c	210.74	-36.714	4.42E-02	0.956	FSRQ
J0437.7-7330	286.08	-35.193	0.858	1.42E-01	BL Lac
J0447.1-2540	225.6	-37.695	0.699	3.01E-01	BL Lac
J0451.6+7231	138.78	17.546	0.49	0.51	AGU Uncertain
J0451.7+5722	151.11	8.319	0.385	0.615	AGU Uncertain
J0456.2-6924	280.75	-35.283	0.302	0.698	AGU Uncertain
J0502.6+1759	183.71	-14.246	1.49E-02	0.985	FSRQ
J0506.9+0321	197.19	-21.375	0.982	1.76E-02	BL Lac
J0507.5-0906	209.3	-27.191	0.517	0.483	AGU Uncertain
J0512.0-3737	241.51	-35.067	0.893	1.07E-01	BL Lac
J0514.6-4406	249.47	-35.393	0.888	1.12E-01	BL Lac
J0516.6+1012	192.37	-15.731	0.924	7.64E-02	BL Lac
J0524.4+2839	177.74	-4.046	0.475	0.525	AGU Uncertain
J0524.5-6937	280.3	-32.832	0.989	1.09E-02	BL Lac
J0525.2-6614	276.3	-33.295	0.727	2.73E-01	BL Lac
J0526.4+2247	182.87	-6.931	4.83E-04	1	FSRQ
J0527.3+6647	145.57	17.05	0.985	1.51E-02	BL Lac
J0529.2+3822	170.21	2.183	1.64E-01	0.836	FSRQ
J0533.8-3754	242.79	-30.887	0.364	0.636	AGU Uncertain
J0535.3-6559	275.87	-32.317	0.741	2.59E-01	BL Lac
J0535.7-0617c	209.92	-19.686	7.09E-02	0.929	FSRQ
J0536.4-3347	238.3	-29.436	0.575	4.25E-01	BL Lac
J0537.0-7113	281.96	-31.542	0.351	0.649	AGU Uncertain
J0537.0+0957	195.29	-11.578	2.44E-03	0.998	FSRQ
J0538.9+1646	189.6	-7.66	0.901	9.95E-02	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0539.9-7553	287.29	-30.586	0.816	1.84E-01	BL Lac
J0540.0+1208	193.74	-9.837	0.536	0.464	AGU Uncertain
J0540.8+3503c	174.25	2.359	3.59E-02	0.964	FSRQ
J0544.7+2239	185.26	-3.447	1.43E-02	0.986	FSRQ
J0546.4+0031c	204.89	-14.158	3.34E-03	0.997	FSRQ
J0550.3-4521	251.92	-29.284	1.91E-01	0.809	FSRQ
J0556.2+3933	171.95	7.275	7.77E-02	0.922	FSRQ
J0557.7-0720	213.46	-15.246	0.631	3.69E-01	BL Lac
J0559.8+3042	180.04	3.562	0.978	2.20E-02	BL Lac
J0605.0-0000	207.6	-10.302	0.754	2.46E-01	BL Lac
J0608.2-2306	229.61	-19.407	0.863	1.37E-01	BL Lac
J0608.6+5328	160.3	15.554	0.374	0.626	AGU Uncertain
J0609.6-2851	235.46	-21.184	0.332	0.668	AGU Uncertain
J0609.7-1841	225.46	-17.386	0.474	0.526	AGU Uncertain
J0619.4+2242	189.18	3.553	8.82E-03	0.991	FSRQ
J0623.1-4143	249.55	-22.666	0.919	8.10E-02	BL Lac
J0628.4+2429	188.54	6.208	0.257	0.743	AGU Uncertain
J0636.7+7115	143.55	24.427	1.96E-01	0.804	FSRQ
J0638.4+5704	158.42	20.811	7.90E-02	0.921	FSRQ
J0639.9+3250	182.05	12.111	2.70E-02	0.973	FSRQ
J0644.6+6035	155.05	22.594	0.816	1.84E-01	BL Lac
J0647.8+1751	196.56	7.269	2.82E-02	0.972	FSRQ
J0650.9+6524	150.13	24.452	0.486	0.514	AGU Uncertain
J0657.6-4701	257	-18.485	0.89	1.10E-01	BL Lac
J0658.8+2318	192.68	11.947	0.668	3.32E-01	BL Lac
J0704.3-4828	258.84	-17.956	0.973	2.66E-02	BL Lac
J0707.5-3111	242.72	-10.528	1.25E-01	0.875	FSRQ
J0708.7+1747	198.79	11.738	0.966	3.35E-02	BL Lac
J0712.2-3806	249.52	-12.594	3.71E-02	0.963	FSRQ
J0714.7-3924	250.94	-12.696	0.42	0.58	AGU Uncertain
J0716.0-4525	256.69	-14.943	0.766	2.34E-01	BL Lac
J0718.9-5004	261.33	-16.338	0.563	0.437	AGU Uncertain
J0721.5-0221	218.48	5.597	0.91	9.04E-02	BL Lac
J0725.4-5007	261.81	-15.394	0.97	3.01E-02	BL Lac
J0725.7-0550	222.07	4.916	0.934	6.60E-02	BL Lac
J0725.8-3532	248.38	-9.017	2.19E-01	0.781	FSRQ
J0725.8+0212	214.9	8.666	0.618	3.82E-01	BL Lac
J0731.7-1914c	234.56	-0.177	2.96E-02	0.97	FSRQ
J0731.8-3010	244.19	-5.399	0.986	1.38E-02	BL Lac
J0733.3+5904	157.97	28.311	6.56E-02	0.934	FSRQ
J0737.8-8245	295.08	-25.455	0.954	4.56E-02	BL Lac
J0740.6-5230	265.08	-14.262	0.786	2.14E-01	BL Lac
J0742.7-3110	246.2	-3.835	6.82E-02	0.932	FSRQ
J0746.4-0225	221.49	11.082	0.87	1.30E-01	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0747.4-0734	226.2	8.82	0.79	2.10E-01	BL Lac
J0747.5-4927	262.81	-11.904	0.767	2.33E-01	BL Lac
J0748.7-5116	264.54	-12.596	3.30E-02	0.967	FSRQ
J0748.8-2208	239.05	1.858	4.62E-02	0.954	FSRQ
J0749.0+4459	174.23	28.618	0.59	4.10E-01	BL Lac
J0749.5+1320	207.23	18.82	0.737	2.63E-01	BL Lac
J0751.7-2944	245.93	-1.439	6.51E-03	0.993	FSRQ
J0752.6-1629	234.62	5.489	0.736	2.64E-01	BL Lac
J0755.2-2633	243.6	0.845	1.72E-02	0.983	FSRQ
J0800.6-4806	262.69	-9.359	1.14E-02	0.989	FSRQ
J0802.3-0941	229.92	10.974	0.829	1.71E-01	BL Lac
J0810.5-5214	267.11	-10.149	7.90E-02	0.921	FSRQ
J0813.5-0356	226.22	16.262	0.991	9.02E-03	BL Lac
J0818.0+3237	189.57	31.505	0.677	3.23E-01	BL Lac
J0823.3-4205c	259.78	-2.736	3.63E-02	0.964	FSRQ
J0823.6-4838	265.21	-6.426	6.64E-04	0.999	FSRQ
J0826.3-6400	278.44	-14.649	0.619	3.81E-01	BL Lac
J0829.8-5239	269.1	-7.916	3.43E-02	0.966	FSRQ
J0830.8+2629	197.41	32.553	1.94E-01	0.806	FSRQ
J0834.5-4825	266.08	-4.835	6.42E-04	0.999	FSRQ
J0834.6+6101	155.52	35.92	0.88	1.20E-01	BL Lac
J0843.4+6713	147.8	35.605	0.967	3.26E-02	BL Lac
J0846.8-2638	250.21	10.333	0.46	0.54	AGU Uncertain
J0847.2-6936	284.43	-16.103	0.324	0.676	AGU Uncertain
J0848.5+7018	144.01	35.169	0.955	4.52E-02	BL Lac
J0855.4+7142	142.16	35.226	0.526	0.474	AGU Uncertain
J0856.4+6429	150.64	37.618	0.771	2.29E-01	BL Lac
J0900.0+6754	146.39	36.917	0.881	1.19E-01	BL Lac
J0901.0-6725	283.44	-13.767	0.509	0.491	AGU Uncertain
J0919.4+6604	147.69	39.352	0.91	9.01E-02	BL Lac
J0919.5-2200	251.4	19.027	0.805	1.95E-01	BL Lac
J0921.6+2339	204.9	42.833	0.884	1.16E-01	BL Lac
J0928.3-5255	275.08	-1.403	0.978	2.22E-02	BL Lac
J0930.7+5133	165.74	45.361	0.971	2.90E-02	BL Lac
J0931.8+6739	145.17	39.773	0.937	6.29E-02	BL Lac
J0935.1-1736	250.5	24.696	0.983	1.74E-02	BL Lac
J0936.3-2114	253.62	22.433	0.974	2.64E-02	BL Lac
J0937.1-4544c	271.26	4.842	1.13E-02	0.989	FSRQ
J0937.8-6407	283.65	-8.759	0.31	0.69	AGU Uncertain
J0937.9-1435	248.51	27.204	0.958	4.17E-02	BL Lac
J0941.0+6151	151.48	43.249	0.866	1.34E-01	BL Lac
J0946.2+5209	163.98	47.514	0.753	2.47E-01	BL Lac
J0948.1-3641	266.76	12.994	0.325	0.675	AGU Uncertain
J0948.8-4243	270.84	8.492	1.21E-01	0.879	FSRQ

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J0950.4+7550	135.41	36.536	0.947	5.27E-02	BL Lac
J0952.8+0711	229.72	43.266	0.988	1.25E-02	BL Lac
J1010.8-7645c	294.06	-16.738	0.383	0.617	AGU Uncertain
J1013.4-4008	272.96	13.354	0.701	2.99E-01	BL Lac
J1016.6-4244	274.99	11.573	0.971	2.92E-02	BL Lac
J1018.2-6254	286.47	-5.038	0.301	0.699	AGU Uncertain
J1024.4-4545	277.86	9.841	0.949	5.07E-02	BL Lac
J1025.1-6507	288.32	-6.485	2.01E-01	0.799	FSRQ
J1025.9-5930	285.41	-1.686	9.47E-04	0.999	FSRQ
J1027.8+8253	127.88	32.794	0.969	3.11E-02	BL Lac
J1028.3-7419	293.56	-14.12	1.18E-01	0.882	FSRQ
J1033.4-5035	281.72	6.509	0.928	7.17E-02	BL Lac
J1036.4-4348	278.68	12.612	0.766	2.34E-01	BL Lac
J1038.0-2425	267.94	29.232	0.438	0.562	AGU Uncertain
J1039.5+7324	134.74	40.556	0.858	1.42E-01	BL Lac
J1045.5-2335	269.06	30.878	0.615	3.85E-01	BL Lac
J1047.8-3737	277.45	19.058	0.972	2.83E-02	BL Lac
J1048.8-5006	283.64	8.117	0.329	0.671	AGU Uncertain
J1049.7+1548	228.51	59.611	0.691	3.09E-01	BL Lac
J1050.4+0435	245.55	53.413	4.06E-03	0.996	FSRQ
J1051.0+5332	154.68	55.514	0.259	0.741	AGU Uncertain
J1052.0+0816	241.06	56.058	0.916	8.37E-02	BL Lac
J1054.2-3123	275.46	25.155	2.16E-02	0.978	FSRQ
J1057.6-4051	280.79	17.066	0.982	1.78E-02	BL Lac
J1057.7-6624	291.89	-6.001	0.548	0.452	AGU Uncertain
J1059.3+0224	250.78	53.537	1.41E-01	0.859	FSRQ
J1100.2-2044	270.72	35.076	0.407	0.593	AGU Uncertain
J1101.3-6032	289.79	-0.51	5.83E-02	0.942	FSRQ
J1103.3+5239	153.79	57.501	0.593	4.07E-01	BL Lac
J1105.7+4427	166.69	62.649	0.963	3.72E-02	BL Lac
J1112.1+0500	251.59	57.617	0.876	1.24E-01	BL Lac
J1112.1+1034	243.48	61.37	0.399	0.601	AGU Uncertain
J1113.1-4515	285.35	14.239	0.394	0.606	AGU Uncertain
J1115.0-0701	265.11	48.636	0.368	0.632	AGU Uncertain
J1116.7-4854	287.33	11.08	1.41E-02	0.986	FSRQ
J1117.2-5338	289.14	6.681	0.743	2.57E-01	BL Lac
J1117.7+0217	256.86	56.531	0.605	3.95E-01	BL Lac
J1119.8-2647	278.83	31.761	0.968	3.23E-02	BL Lac
J1123.3-2529	279.06	33.263	0.769	2.31E-01	BL Lac
J1123.6-4558	287.39	14.237	0.891	1.09E-01	BL Lac
J1125.1-5803	291.71	2.915	0.926	7.37E-02	BL Lac
J1129.0+3758	175.66	69.596	0.728	2.72E-01	BL Lac
J1130.7-7800	298.66	-15.813	0.983	1.66E-02	BL Lac
J1132.0-4736	289.33	13.163	0.944	5.58E-02	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J1142.1-6941	296.94	-7.623	3.44E-03	0.997	FSRQ
J1146.1-0640	275.53	52.683	0.977	2.31E-02	BL Lac
J1149.1+2815	204.67	76.182	0.517	0.483	AGU Uncertain
J1150.7-4816	292.62	13.371	0.759	2.41E-01	BL Lac
J1151.5+0957	260.65	67.774	0.777	2.23E-01	BL Lac
J1155.3-1112	281.53	49.322	0.993	7.08E-03	BL Lac
J1200.4+0202	274.82	62.097	0.93	6.95E-02	BL Lac
J1200.9-1432	285.02	46.57	0.53	0.47	AGU Uncertain
J1203.9-1745	287.21	43.655	0.627	3.73E-01	BL Lac
J1205.9+3315	178.23	78.426	1.89E-01	0.811	FSRQ
J1209.9+7607	126.2	40.739	0.899	1.01E-01	BL Lac
J1210.1-2742	291.88	34.27	2.20E-03	0.998	FSRQ
J1211.8+6413	129.95	52.362	0.92	8.04E-02	BL Lac
J1213.9-4412	295.88	18.142	0.557	0.443	AGU Uncertain
J1214.4-2315	292	38.822	0.411	0.589	AGU Uncertain
J1215.9-1926	291.53	42.65	0.58	4.20E-01	BL Lac
J1216.6-0557	287.39	55.854	6.74E-02	0.933	FSRQ
J1220.0-2502	293.99	37.282	0.476	0.524	AGU Uncertain
J1220.1-3715	296.07	25.2	0.908	9.19E-02	BL Lac
J1220.3+6055	129.64	55.793	0.79	2.10E-01	BL Lac
J1221.5-0632	289.71	55.552	0.822	1.78E-01	BL Lac
J1222.7+7952	124.51	37.173	0.987	1.26E-02	BL Lac
J1223.2+1215	277.57	73.728	0.785	2.15E-01	BL Lac
J1223.3+0818	282.18	70.046	0.964	3.56E-02	BL Lac
J1225.4-3448	296.9	27.76	0.989	1.12E-02	BL Lac
J1228.4-0317	291.71	59.075	0.285	0.715	AGU Uncertain
J1231.6+4825	131.87	68.365	0.433	0.567	AGU Uncertain
J1232.3+1701	278.35	78.972	0.98	2.03E-02	BL Lac
J1232.5-3720	298.78	25.377	0.938	6.16E-02	BL Lac
J1232.8+1332	284.32	75.731	5.90E-02	0.941	FSRQ
J1234.7-0437	295.09	57.996	0.99	1.05E-02	BL Lac
J1236.5-6154	301.18	0.916	7.10E-05	1	FSRQ
J1236.6-7050	301.71	-8.01	0.333	0.667	AGU Uncertain
J1239.1-1158	298.19	50.781	1.18E-01	0.882	FSRQ
J1240.3-7149	302.05	-8.973	0.75	2.50E-01	BL Lac
J1244.3-5515	301.91	7.601	6.29E-02	0.937	FSRQ
J1249.1-2808	302.32	34.725	0.76	2.40E-01	BL Lac
J1249.5-0546	302.06	57.089	5.20E-02	0.948	FSRQ
J1251.0-4943	302.88	13.14	0.927	7.31E-02	BL Lac
J1257.0-6338	303.55	-0.771	7.10E-04	0.999	FSRQ
J1258.4+2123	318.91	84.038	0.244	0.756	AGU Uncertain
J1259.3-8151	303.23	-18.993	0.27	0.73	AGU Uncertain
J1259.5-3231	304.91	30.322	1.09E-01	0.891	FSRQ
J1301.5+3333	104.78	83.206	0.583	4.17E-01	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J1306.8-4031	306.11	22.244	0.776	2.24E-01	BL Lac
J1308.7-5738	305.26	5.154	0.252	0.748	AGU Uncertain
J1309.0+0347	313.9	66.287	0.916	8.40E-02	BL Lac
J1312.3+8513	122.42	31.882	0.829	1.71E-01	BL Lac
J1315.7-0732	313.45	54.825	0.918	8.23E-02	BL Lac
J1316.2-6446	305.57	-2.025	1.45E-04	1	FSRQ
J1323.2-3901	309.66	23.431	0.351	0.649	AGU Uncertain
J1326.2-4651	309.1	15.603	0.244	0.756	AGU Uncertain
J1329.1-0536	319.91	56.014	7.50E-02	0.925	FSRQ
J1330.4+5641	112.33	59.63	0.288	0.712	AGU Uncertain
J1333.8-4417	310.88	17.928	1.98E-02	0.98	FSRQ
J1334.3-4152	311.43	20.294	0.919	8.11E-02	BL Lac
J1335.1-5655	308.9	5.441	5.25E-02	0.948	FSRQ
J1335.2-4056	311.78	21.182	6.16E-02	0.938	FSRQ
J1342.4-6904	307.49	-6.652	2.70E-02	0.973	FSRQ
J1345.1+1949	5.12	75.688	0.427	0.573	AGU Uncertain
J1346.2-2608	318.01	35.121	0.731	2.69E-01	BL Lac
J1348.5-5833	310.34	3.484	3.96E-03	0.996	FSRQ
J1348.5-7150	307.4	-9.465	8.90E-03	0.991	FSRQ
J1351.1-2743	318.77	33.307	1.74E-01	0.826	FSRQ
J1351.8-1524	323.74	45.011	1.58E-01	0.842	FSRQ
J1402.7-3240	319.88	27.847	1.97E-01	0.803	FSRQ
J1404.7-5844	312.34	2.787	0.484	0.516	AGU Uncertain
J1409.2-3743	319.51	22.634	0.248	0.752	AGU Uncertain
J1410.9+7406	115.75	41.893	0.964	3.59E-02	BL Lac
J1411.1+3717	69.11	70.366	0.752	2.48E-01	BL Lac
J1411.4-0724	335.07	50.399	0.966	3.39E-02	BL Lac
J1417.5-4402	318.86	16.15	2.23E-01	0.777	FSRQ
J1417.7-5026	316.69	10.113	8.64E-02	0.914	FSRQ
J1419.1-5534	315.17	5.197	7.28E-02	0.927	FSRQ
J1420.9-4615	318.67	13.863	0.263	0.737	AGU Uncertain
J1424.3-1753	332.12	39.661	0.553	0.447	AGU Uncertain
J1427.2+1610	11.59	65.256	1.16E-01	0.884	FSRQ
J1430.8-4434	320.97	14.792	0.307	0.693	AGU Uncertain
J1431.1-6425	313.44	-3.606	5.28E-05	1	FSRQ
J1438.6-4209	323.33	16.424	0.678	3.22E-01	BL Lac
J1444.0-7033	312.1	-9.723	1.29E-01	0.871	FSRQ
J1457.6-5355	320.94	4.475	7.34E-02	0.927	FSRQ
J1502.2+5553	92.79	52.899	0.557	0.443	AGU Uncertain
J1506.4-0340	354.81	45.17	0.234	0.766	AGU Uncertain
J1506.6-6219	317.93	-3.466	0.914	8.62E-02	BL Lac
J1512.3+6622	103.79	45.164	0.899	1.01E-01	BL Lac
J1512.8-5639	321.47	1.03	2.01E-05	1	FSRQ
J1513.3-3719	331.86	17.458	0.989	1.06E-02	BL Lac



3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J1517.0+2637	40.54	57.649	0.978	2.23E-02	BL Lac
J1525.8-0834	354.76	38.289	0.991	9.40E-03	BL Lac
J1526.3-4505	329.55	9.631	1.28E-03	0.999	FSRQ
J1527.0-3804	333.76	15.308	0.361	0.639	AGU Uncertain
J1528.1-2904	339.61	22.426	0.984	1.64E-02	BL Lac
J1529.5+6733	103.49	43.114	0.913	8.71E-02	BL Lac
J1532.0-2618	342.21	24.063	0.274	0.726	AGU Uncertain
J1533.8-5231	326.29	2.812	0.397	0.603	AGU Uncertain
J1541.6+1414	23.68	48.392	0.942	5.75E-02	BL Lac
J1542.4-5911	323.31	-3.272	3.57E-05	1	FSRQ
J1545.0-6641	318.93	-9.378	0.985	1.48E-02	BL Lac
J1548.4+1455	25.63	47.175	0.774	2.26E-01	BL Lac
J1549.4-4832	330.68	4.501	0.314	0.686	AGU Uncertain
J1549.9-3044	342.37	18.142	0.995	5.02E-03	BL Lac
J1550.4+6027	93.48	45.093	0.986	1.42E-02	BL Lac
J1553.1+5437	85.58	47.17	0.894	1.06E-01	BL Lac
J1553.3-0322c	5.37	36.581	2.01E-01	0.799	FSRQ
J1602.8-1924	353.06	24.31	3.14E-02	0.969	FSRQ
J1611.9+1404	27.78	41.637	0.543	0.457	AGU Uncertain
J1613.4-4222	337.94	6.364	2.08E-02	0.979	FSRQ
J1615.6-4450	336.51	4.312	7.43E-05	1	FSRQ
J1616.8+5846	89.52	42.688	9.67E-02	0.903	FSRQ
J1618.8+5520	84.91	43.451	0.944	5.59E-02	BL Lac
J1619.1+7538	109.09	35.296	0.991	8.66E-03	BL Lac
J1620.8-5149	332.23	-1.287	5.02E-03	0.995	FSRQ
J1624.8-4233	339.29	4.755	7.49E-05	1	FSRQ
J1625.2-2845	349.52	14.201	4.77E-03	0.995	FSRQ
J1625.6-2058	355.67	19.288	4.14E-02	0.959	FSRQ
J1628.1-3344	346.2	10.368	0.356	0.644	AGU Uncertain
J1628.1-5740	328.78	-6.129	4.05E-02	0.96	FSRQ
J1628.1+0254	17.65	32.908	0.636	3.64E-01	BL Lac
J1630.3-6126	326.2	-8.901	3.55E-02	0.964	FSRQ
J1635.3+4257	67.63	42.458	0.663	3.37E-01	BL Lac
J1641.5-2856	351.79	11.383	1.04E-01	0.896	FSRQ
J1642.4+8045	113.75	31.755	0.836	1.64E-01	BL Lac
J1644.4+2632	46.47	38.503	1.41E-01	0.859	FSRQ
J1644.6-0911	8.68	22.873	8.14E-02	0.919	FSRQ
J1646.9-1332	5.2	19.892	0.905	9.48E-02	BL Lac
J1648.0+4230	67.07	40.125	0.785	2.15E-01	BL Lac
J1650.0+0356	21.86	28.683	0.231	0.769	AGU Uncertain
J1654.0-4617	339.98	-1.614	1.99E-02	0.98	FSRQ
J1655.1-4644	339.76	-2.039	5.34E-02	0.947	FSRQ
J1655.5-4748	338.97	-2.774	6.87E-03	0.993	FSRQ
J1659.0-0142	17.65	23.907	0.271	0.729	AGU Uncertain

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J1701.1-4930	338.2	-4.551	1.36E-03	0.999	FSRQ
J1701.3-5216	336.02	-6.259	4.04E-03	0.996	FSRQ
J1702.1-2524	357.5	9.984	0.976	2.41E-02	BL Lac
J1704.1+1234	32.47	29.424	0.247	0.753	AGU Uncertain
J1704.4-0528	14.91	20.797	0.538	0.462	AGU Uncertain
J1707.8+5626	84.72	36.505	0.85	1.50E-01	BL Lac
J1709.4-0917	12.2	17.725	1.36E-01	0.864	FSRQ
J1709.5-0335	17.33	20.697	4.33E-02	0.957	FSRQ
J1709.9+4624	72.23	36.385	0.492	0.508	AGU Uncertain
J1715.4-4028	346.97	-1.174	7.82E-05	1	FSRQ
J1719.2-2433	0.49	7.318	2.61E-03	0.997	FSRQ
J1720.3-0428	17.99	17.923	7.39E-02	0.926	FSRQ
J1725.0-0513	17.92	16.551	0.549	0.451	AGU Uncertain
J1728.0-6446	327.42	-16.111	7.03E-03	0.993	FSRQ
J1729.0+6049	89.79	33.418	0.709	2.91E-01	BL Lac
J1732.7+5914	87.88	33.031	0.978	2.15E-02	BL Lac
J1733.5-3941	349.55	-3.61	3.61E-02	0.964	FSRQ
J1733.8-6056	331.22	-14.772	9.72E-02	0.903	FSRQ
J1740.8-1933	7.43	5.827	2.92E-03	0.997	FSRQ
J1740.8-6755	325.15	-18.735	1.80E-01	0.82	FSRQ
J1742.4-7237	320.71	-20.878	1.04E-01	0.896	FSRQ
J1745.4+4721	74.04	30.431	0.336	0.664	AGU Uncertain
J1746.6+0433	29.58	16.491	8.13E-03	0.992	FSRQ
J1748.0+2701	51.83	25.064	0.717	2.83E-01	BL Lac
J1750.9-2220	6.27	2.368	2.26E-02	0.977	FSRQ
J1758.8-4108	350.79	-8.483	0.337	0.663	AGU Uncertain
J1801.5-7825	315.33	-24.088	5.05E-02	0.949	FSRQ
J1803.3-6706	326.87	-20.368	0.854	1.46E-01	BL Lac
J1804.1+2532	51.66	21.168	9.44E-02	0.906	FSRQ
J1804.5-0850	19.65	6.239	2.44E-02	0.976	FSRQ
J1805.9+3407	60.56	23.652	1.44E-01	0.856	FSRQ
J1806.2+2744	54.06	21.512	2.22E-01	0.778	FSRQ
J1806.8+5346	81.89	27.997	0.33	0.67	AGU Uncertain
J1809.0+3517	61.98	23.382	0.676	3.24E-01	BL Lac
J1809.2-2725	3.92	-3.755	4.67E-02	0.953	FSRQ
J1810.7+5335	81.78	27.406	0.987	1.27E-02	BL Lac
J1813.6-6845	325.57	-21.846	0.515	0.485	AGU Uncertain
J1813.6+2820	55.26	20.175	0.87	1.30E-01	BL Lac
J1815.1+5919	88.28	27.628	0.433	0.567	AGU Uncertain
J1817.3-3033	1.99	-6.793	4.62E-02	0.954	FSRQ
J1817.7+2530	52.82	18.302	7.06E-02	0.929	FSRQ
J1819.5-2045c	10.9	-2.642	1.33E-02	0.987	FSRQ
J1821.9+6636	96.54	27.639	0.971	2.92E-02	BL Lac
J1838.1+3827	67.22	18.896	0.414	0.586	AGU Uncertain

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J1839.9+7646	108.08	27.004	0.589	4.11E-01	BL Lac
J1840.5+6116	91	24.851	2.21E-01	0.779	FSRQ
J1844.7-1224	21.11	-4.162	1.28E-02	0.987	FSRQ
J1856.1-1217	22.46	-6.6	3.84E-02	0.962	FSRQ
J1857.0-7341	321.19	-26.341	0.303	0.697	AGU Uncertain
J1857.9+5549	85.88	21.281	1.82E-01	0.818	FSRQ
J1857.9+7319	104.41	25.439	0.696	3.04E-01	BL Lac
J1858.0-5423	342.04	-22.679	0.861	1.39E-01	BL Lac
J1903.9+0052	35.14	-2.396	9.22E-03	0.991	FSRQ
J1911.7+0307	38.04	-3.076	4.25E-02	0.958	FSRQ
J1912.7+4610	77.17	15.773	0.64	3.60E-01	BL Lac
J1917.1-3024	7.55	-18.469	0.648	3.52E-01	BL Lac
J1919.0+0452	40.43	-3.888	8.17E-03	0.992	FSRQ
J1922.2+2313	57.02	4.023	0.989	1.14E-02	BL Lac
J1923.2-7452	319.97	-28.187	0.865	1.35E-01	BL Lac
J1924.8-1034	27.16	-12.168	0.348	0.652	AGU Uncertain
J1925.8-7826	315.93	-28.254	0.311	0.689	AGU Uncertain
J1934.2+6002	91.83	18.216	0.957	4.29E-02	BL Lac
J1935.2-7924c	314.8	-28.638	2.64E-02	0.974	FSRQ
J1944.0-0535	33.91	-14.229	2.38E-02	0.976	FSRQ
J1944.1+3919	73.48	7.584	0.23	0.77	AGU Uncertain
J1944.8+4300	76.81	9.241	0.891	1.09E-01	BL Lac
J1947.9-0743	32.38	-16.045	1.21E-02	0.988	FSRQ
J1948.1-7059	324.35	-30.14	0.426	0.574	AGU Uncertain
J1949.7-8109	312.72	-29.011	3.99E-02	0.96	FSRQ
J1951.3+6909	101.45	20.14	8.71E-02	0.913	FSRQ
J1951.8-1102	29.69	-18.359	0.713	2.87E-01	BL Lac
J1953.4+7653	109.2	22.963	0.516	0.484	AGU Uncertain
J1955.7-7019	325.07	-30.824	0.884	1.16E-01	BL Lac
J1957.9-0712	34	-18.05	0.614	3.86E-01	BL Lac
J1958.1+2436	62.27	-2.415	0.958	4.18E-02	BL Lac
J1958.6+3844	74.4	4.852	5.46E-05	1	FSRQ
J2005.7-8241	310.87	-29.23	2.79E-02	0.972	FSRQ
J2006.5-0939	32.64	-21.029	0.284	0.716	AGU Uncertain
J2014.5+5246	87.89	9.9	1.67E-01	0.833	FSRQ
J2015.3-1431	28.81	-25.025	0.987	1.32E-02	BL Lac
J2024.8-2331	20.24	-30.361	0.951	4.85E-02	BL Lac
J2025.1-2858	14.17	-32.028	0.904	9.64E-02	BL Lac
J2026.3+1430	57.26	-13.439	0.778	2.22E-01	BL Lac
J2026.4+4709	84.25	5.206	9.96E-05	1	FSRQ
J2028.7+1012	53.84	-16.266	0.376	0.624	AGU Uncertain
J2030.5-1439	30.3	-28.432	0.972	2.82E-02	BL Lac
J2034.6-4202	359.08	-36.383	0.959	4.07E-02	BL Lac
J2035.6+3146	72.84	-5.289	1.24E-03	0.999	FSRQ

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J2035.8+4902	86.71	5.035	0.349	0.651	AGU Uncertain
J2038.8-3613	6.38	-36.419	0.492	0.508	AGU Uncertain
J2039.7+1237	57.49	-17.197	0.889	1.11E-01	BL Lac
J2042.3-5416	343.74	-37.738	0.406	0.594	AGU Uncertain
J2043.6+0001	46.61	-24.719	0.989	1.12E-02	BL Lac
J2044.0+1035	56.33	-19.196	1.76E-01	0.824	FSRQ
J2045.6-6838	326.06	-35.422	0.255	0.745	AGU Uncertain
J2046.7-4259	358.1	-38.677	0.957	4.28E-02	BL Lac
J2047.9-3119	12.83	-37.379	0.415	0.585	AGU Uncertain
J2053.1+6027	97.35	10.047	9.23E-02	0.908	FSRQ
J2053.4-4052	0.92	-39.786	0.688	3.12E-01	BL Lac
J2053.9+2922	73.36	-9.865	0.991	9.39E-03	BL Lac
J2054.8-4908	350.13	-40.059	0.432	0.568	AGU Uncertain
J2055.6+1609	62.85	-18.296	1.53E-01	0.847	FSRQ
J2058.0+4347	85.01	-1.23	0.277	0.723	AGU Uncertain
J2058.3+3729	80.25	-5.381	9.14E-02	0.909	FSRQ
J2059.9+2029	67.11	-16.491	0.303	0.697	AGU Uncertain
J2100.6-7844	314.23	-32.685	8.26E-03	0.992	FSRQ
J2104.7+2113	68.45	-16.904	0.95	4.97E-02	BL Lac
J2107.1+2248	70.09	-16.337	0.304	0.696	AGU Uncertain
J2109.4+1437	63.69	-21.881	9.18E-03	0.991	FSRQ
J2110.0+0442	54.94	-27.837	0.796	2.04E-01	BL Lac
J2110.4+5946	98.25	7.968	4.29E-02	0.957	FSRQ
J2115.2+1215	62.61	-24.451	0.79	2.10E-01	BL Lac
J2116.9+1343	64.14	-23.862	0.643	3.57E-01	BL Lac
J2118.3+5751	97.55	5.911	1.45E-02	0.986	FSRQ
J2120.4-1256	38.07	-38.854	7.92E-02	0.921	FSRQ
J2121.5-8253	309.53	-31.302	6.89E-02	0.931	FSRQ
J2127.1-5615	339.58	-43.613	0.461	0.539	AGU Uncertain
J2127.5-6001	334.66	-42.454	0.98	2.01E-02	BL Lac
J2130.4-4237	358.47	-46.683	3.03E-02	0.97	FSRQ
J2131.5+2605	76.54	-18.274	0.82	1.80E-01	BL Lac
J2133.6+2821	78.56	-17.009	5.67E-02	0.943	FSRQ
J2134.5-2131	28.92	-45.083	0.814	1.86E-01	BL Lac
J2135.6+5742	99.11	4.206	2.08E-02	0.979	FSRQ
J2138.2-4939	348.02	-46.952	1.67E-01	0.833	FSRQ
J2139.5+3919	87.25	-9.908	4.83E-02	0.952	FSRQ
J2142.6-2029	31.14	-46.557	0.995	5.42E-03	BL Lac
J2142.7+1957	73.73	-24.392	0.959	4.09E-02	BL Lac
J2144.6-5640	337.89	-45.749	0.8	2.00E-01	BL Lac
J2144.6+6606	105.53	9.766	3.09E-02	0.969	FSRQ
J2145.5+1007	66.05	-31.538	0.993	6.61E-03	BL Lac
J2150.5-1754	35.64	-47.455	1.34E-01	0.866	FSRQ
J2151.6+4154	90.72	-9.449	0.968	3.15E-02	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J2200.0-6930	321.31	-40.968	0.746	2.54E-01	BL Lac
J2205.9-4704	350	-52.059	1.75E-01	0.825	FSRQ
J2209.0+3652	90.24	-15.491	8.87E-02	0.911	FSRQ
J2210.1+6043	104.44	3.782	1.69E-01	0.831	FSRQ
J2210.2+6509	107.03	7.397	7.30E-02	0.927	FSRQ
J2217.2+6346	106.86	5.824	1.66E-01	0.834	FSRQ
J2217.8+3207	88.8	-20.374	0.795	2.05E-01	BL Lac
J2220.6-6833	320.73	-42.988	0.966	3.39E-02	BL Lac
J2223.3+0103	65.22	-44.595	0.98	1.97E-02	BL Lac
J2224.4+0351	68.34	-42.901	0.992	8.19E-03	BL Lac
J2228.5-1636	43.12	-55.367	1.81E-01	0.819	FSRQ
J2229.1+2255	85.03	-29.277	0.764	2.36E-01	BL Lac
J2244.6+2503	89.76	-29.533	0.974	2.61E-02	BL Lac
J2247.2-0004	70	-49.735	0.75	2.50E-01	BL Lac
J2249.3-5943	327.1	-51.295	0.935	6.49E-02	BL Lac
J2250.3+1747	86.35	-36.331	1.03E-04	1	FSRQ
J2253.1-1237	54.72	-58.77	0.543	0.457	AGU Uncertain
J2258.2-3645	3.9	-64.252	0.981	1.93E-02	BL Lac
J2258.8+2437	92.73	-31.565	1.31E-01	0.869	FSRQ
J2259.9-1553	50.69	-61.838	0.958	4.20E-02	BL Lac
J2300.0+4053	101.24	-17.243	0.994	6.32E-03	BL Lac
J2300.1-3547	5.88	-64.847	0.9	1.00E-01	BL Lac
J2303.7+5555	108.2	-3.845	0.982	1.79E-02	BL Lac
J2305.8+1658	89.77	-39.004	1.40E-03	0.999	FSRQ
J2309.0+5428	108.32	-5.464	0.988	1.23E-02	BL Lac
J2313.1+3935	103.05	-19.46	2.27E-01	0.773	FSRQ
J2318.6-3829	356.69	-67.531	0.766	2.34E-01	BL Lac
J2321.3+5113	108.87	-9.176	0.919	8.09E-02	BL Lac
J2321.6-1619	55.74	-66.57	0.994	5.87E-03	BL Lac
J2323.7+2523	99.11	-33.398	0.892	1.08E-01	BL Lac
J2327.2-4130	347.69	-67.557	0.696	3.04E-01	BL Lac
J2329.8+6102	113.21	-0.282	0.859	1.41E-01	BL Lac
J2331.9-1609	59.64	-68.567	0.883	1.17E-01	BL Lac
J2334.4-7948	307.11	-36.692	0.603	3.97E-01	BL Lac
J2335.6-2342	40.01	-72.558	0.78	2.20E-01	BL Lac
J2337.2-8425	305.03	-32.401	0.941	5.85E-02	BL Lac
J2337.5+4108	108.26	-19.62	0.84	1.60E-01	BL Lac
J2338.7+0251	89.8	-55.271	1.10E-01	0.89	FSRQ
J2340.7+3847	108.15	-22.037	0.971	2.92E-02	BL Lac
J2343.0-4748	331.24	-65.394	0.93	6.99E-02	BL Lac
J2344.9-5647	320.17	-58.056	0.443	0.557	AGU Uncertain
J2351.9-7601	307.61	-40.553	0.99	1.03E-02	BL Lac
J2354.0+2722	107.57	-33.78	0.896	1.04E-01	BL Lac
J2354.4-6612	311.81	-49.931	0.875	1.25E-01	BL Lac

3FGL Name	l(°)	b(°)	$L_{\text{BL Lac}}$	$L_{\text{FSRQ}}$	Classification
J2355.4+6939	118.07	7.309	5.15E-02	0.948	FSRQ
J2356.9+6812	117.89	5.878	1.89E-02	0.981	FSRQ
J2358.5+3827	111.69	-23.26	0.861	1.39E-01	BL Lac
J2358.6-1809	66.6	-74.895	0.975	2.46E-02	BL Lac