

FA-GSW Weekly Report, Week 59 (August 5 - August 11, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: ASP Week 59 (August 5 - August 11, 2009)

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Highlights

Extragalactic Science

- 3C273 at 1.26 +/- 0.13
- 3C279 at 0.95 +/- 0.11
- 3C454.3 at 1.26 +/- 0.12
- Mrk421 at 0.18 +/- 0.04
- Detection of PKS 0402-362, PKS 0447-439, PKS 0521-36, PKS 0805-07, PKS 1502+106, PKS 2052-47, PKS 2201+171, PKS 0537-441, PKS 0716+714, PKS 1244-255, PKS 2155-304

Galactic Science

- PSR J1709-4429 at 2.13 +/- 0.21
- PSR J2021+4026 at 2.22 +/- 0.21
- Detection of PSR J0007+7303, PSR J0030+0451, PSR J1418-6058, PSR J1809-2332, PSR J1826-1256, PSR J1836+5925, PSR J1907+06, PSR J2021+3651
- Detection of CrabPulsar, Geminga, VelaPulsar

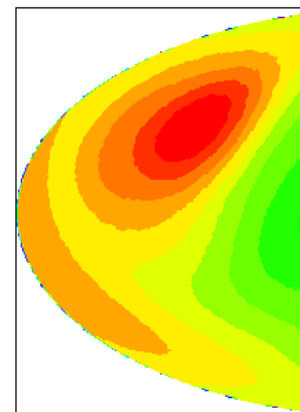
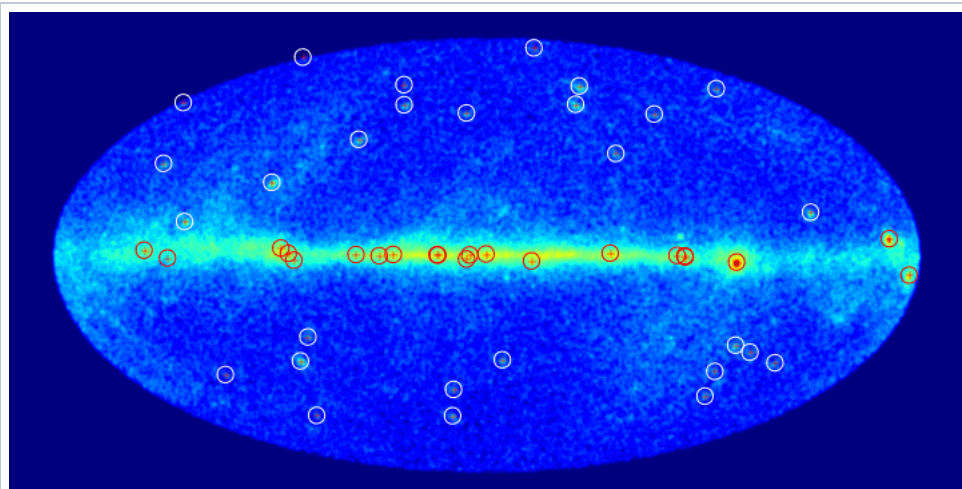


Technical notes

- Fluxes are given in units of 1E-6 ph/cm2/s in the 0.1-300 GeV energy band.
- Science Tools: v9r15p2
- iLat and FA-dedicated scripts.
- IRF used : P6_V3_DIFFUSE

Likelihood Analysis results:

Weekly Run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271123202&dataSourceMode=Prodhttp://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271123202&dataSourceMode=Prod59)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
1633p382	248.694	38.2309	61.207	42.4375		315	135	0.69	0.09	2.26	0.10	EMS1077 - CGRaBS J1635+3808
3C273	187.221	1.9381	289.876	64.2367		427	223	1.26	0.13	2.68	0.10	
3C279	194.029	-5.8183	305.07	57.034		390	190	0.95	0.11	2.40	0.10	
3C454.3	343.614	16.1927	86.2678	-38.2124		497	232	1.26	0.12	2.50	0.09	
ASPJ011212p224356	18.0344	22.7606	129.152	-39.861		59	38	0.14	0.04	2.08	0.19	EMS0078 - CRATES J011205+224448
ASPJ040213m355246	60.6441	-35.8533	237.383	-48.7436		88	61	0.25	0.06	2.38	0.18	EMS0252 - PKS 0402-362
ASPJ044955m434531	71.7681	-43.6105	248.5	-40.337		33	24	0.07	0.03	1.76	0.20	EMS0312 - PKS 0447-439
ASPJ045402m241107	74.1865	-23.4505	223.726	-34.9748		60	51	0.19	0.05	2.28	0.18	EMS0322 - PKS 0454-234
ASPJ052321m362958	80.782	-36.6015	240.782	-32.7125		39	35	0.12	0.04	2.16	0.23	EMS0354 - PKS 0521-36
ASPJ080630m080403	122.032	-7.8509	229.023	13.1358		592	198	0.69	0.07	1.99	0.07	EMS0540 - PKS 0805-07
ASPJ092033p443709	140.387	44.673	175.725	44.9191		61	48	0.23	0.06	2.57	0.22	EMS0619 - CRATES J092058+444144
ASPJ101429p245822	153.125	24.6844	207.712	54.3214		158	68	0.23	0.05	1.93	0.12	EMS0661 - CRATES J101240+243904
ASPJ112104m054758	170.452	-5.9002	266.346	50.4943		94	72	0.34	0.05	2.38	0.10	EMS0732 - PKS 1118-05
ASPJ143916p372023	219.802	37.1337	63.4815	65.2002		65	45	0.20	0.05	2.22	0.19	EMS0948 - CRATES J143853+371026
ASPJ150345p102405	226.102	10.4598	11.3298	54.564		175	101	0.54	0.09	2.35	0.13	EMS0969 - PKS 1502+106
ASPJ152111p314420	230.56	31.7859	50.254	57.0085		219	97	0.43	0.07	2.16	0.12	EMS0994 - CRATES J152209+314418
ASPJ205731m471323	313.998	-47.2807	352.548	-40.3328		247	99	0.51	0.08	2.07	0.11	EMS1413 - PKS 2052-47
ASPJ220303p171541	331.078	17.4341	75.8483	-29.7723		143	65	0.27	0.06	1.98	0.13	EMS1484 - PKS 2201+171
BM_4C21_35	186.241	21.4163	254.958	81.6951		53	46	0.25	0.07	2.56	0.24	
BM_PKS0537m441	84.9679	-44.0954	250.128	-30.9082		131	96	0.38	0.07	2.41	0.16	
Mrk421	166.046	38.2042	179.882	64.9821		145	52	0.18	0.04	1.91	0.14	
PKS0716p714	110.593	71.3438	143.982	28.056		278	125	0.43	0.06	2.19	0.11	
PKS1244m255	191.703	-25.8304	301.629	37.0296		99	77	0.40	0.08	2.37	0.16	
PKS2155m304	329.751	-30.1159	17.9138	-52.2626		164	55	0.22	0.05	1.79	0.12	
PMNJ2250m2806	342.797	-28.0384	23.9326	-63.4064		285	100	0.45	0.07	2.02	0.10	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ000659p725318	1.7704	73.0745	119.667	10.4845		459	183	0.55	0.07	1.91	0.07	PSR J0007+7303
ASPJ003030p045916	7.5948	4.6725	113.051	-57.7947		77	34	0.12	0.04	1.95	0.19	PSR J0030+0451
ASPJ010649p612722	17.7414	61.4568	125.263	-1.32653		35	79	0.31	0.10	2.37	0.21	Unknown
ASPJ101714m590136	155.223	-58.383	284.258	-1.07878		123	296	1.65	0.22	2.72	0.13	EMS0667 or EMS0671
ASPJ102307m581313	155.887	-58.1596	284.431	-0.702416		139	304	1.67	0.22	2.70	0.12	EMS0667 or EMS0671
ASPJ104008m602230	161.187	-59.5745	287.511	-0.550625		96	223	1.23	0.22	2.66	0.15	EMS0693
ASPJ141900m611500	214.657	-60.8328	313.358	0.261668		121	304	1.71	0.25	2.46	0.11	PSR J1418-6058
ASPJ170900m444500	257.322	-44.4672	343.068	-2.6138		488	406	2.13	0.21	2.11	0.06	PSR J1709-4429
ASPJ174500m291500	266.48	-28.8866	0.076693	-0.0305347		65	249	1.48	0.29	2.36	0.12	EMS1172 - LMXB 1E 1743.1-2843
ASPJ175843m241914	270.31	-23.8297	6.17444	-0.420225		20	139	0.97	0.29	2.67	0.22	EMS1189 - TeV W28
ASPJ180952m233309	272.403	-23.5604	7.34667	-1.96007		116	165	0.85	0.19	2.11	0.12	PSR J1809-2332
ASPJ182300m134500	276.429	-13.0703	18.3941	-0.345115		51	209	1.39	0.34	2.52	0.18	PSR J1826-1256
ASPJ183525p591857	279.037	59.4611	88.9121	25.0165		819	268	0.98	0.09	2.05	0.06	PSR J1836+5925
ASPJ185300p011500	283.928	1.6069	34.8494	-0.218183		70	203	1.16	0.24	2.22	0.12	EMS1267
ASPJ190507p062842	286.797	6.1342	40.1844	-0.689535		24	85	0.45	0.18	2.12	0.19	PSR J1907+06
ASPJ192100p141500	290.574	14.1586	49.016	-0.246325		31	94	0.49	0.17	2.15	0.18	EMS1296
ASPJ202051p340720	306.157	33.782	73.1163	-2.23627		38	117	0.65	0.20	2.62	0.24	EMS1371
ASPJ202124p365447	305.269	36.9238	75.2799	0.154666		154	296	1.50	0.22	2.47	0.11	PSR J2021+3651
ASPJ202214p402203	305.452	40.4507	78.2625	2.04338		401	482	2.22	0.21	2.33	0.07	PSR J2021+4026
CrabPulsar	83.6709	22.0413	184.554	-5.7404		1410	612	2.24	0.15	2.17	0.05	

Geminga	98.4719	17.7629	195.139	4.25929		6276	1581	5.07	0.17	1.96	0.02	
LSIp61303	40.1325	61.3032	135.645	1.15368		244	254	0.98	0.13	2.31	0.09	
VelaPulsar	128.828	-45.1647	263.539	-2.78496		14395	3851	13.13	0.28	2.04	0.02	

* Results are obtained with unbinned likelihood and P6_V3_DIFFUSE irfs.

** Distance in arc min from ASDC tools

*** $F(E>100\text{MeV}) \times 10^{-6} \text{ ph cm}^{-2} \text{ s}^{-1}$