

FA-GSW Report DOY 221 (August 09, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 221 (August 09, 2009)

On Duty Flare Advocates:

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Highlights

Extragalactic Science

- ASPJ125604m065043 at 0.86 +/- 0.30 associated with EMS0831 - CRATES J125610-054722 (best fit pos. 194.193, -6.07937, r95=0.5 deg)
- ASPJ152111p314420 at 0.72 +/- 0.23 associated with EMS0994 - CRATES J152209+314418
- ASPJ205731m471323 at 0.93 +/- 0.29 associated with EMS1413 - CRATES J205615-471445
- PKS0716p714 at 0.71 +/- 0.22
- ASPJ080630m080403 at 0.45 +/- 0.20 associated with EMS0540 - CRATES J080815-075109
- PMNJ2250m2806 at 1.05 +/- 0.34

Galactic Science

- Usual PSR (Crab, Geminga, Vela)
- detection of PSRJ1709-4429, PSRJ1836+5925, PSRJ2021+4026

Solar System

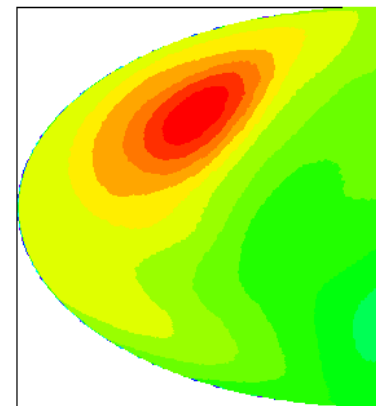
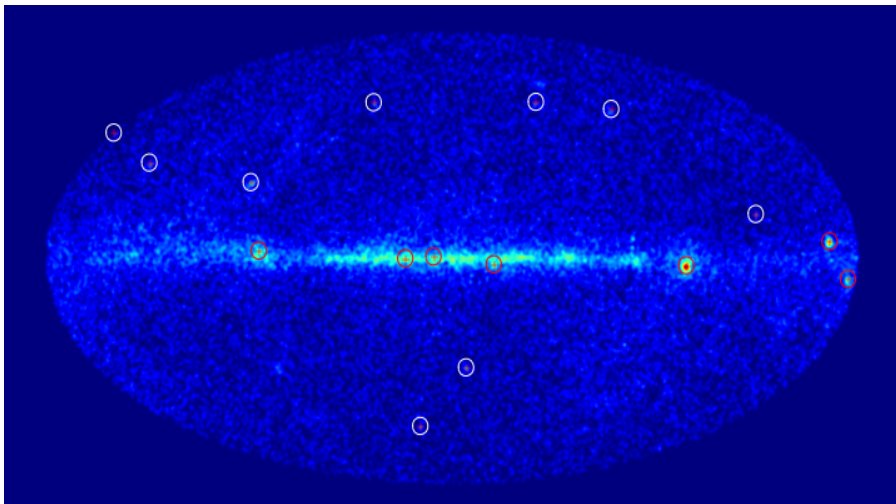


Technical notes

- Fluxes are given in units of 1E-6 ph/cm2/s in the 0.1-300 GeV energy band.
- Science Tools: v9r11
- iLat and FA-dedicated scripts.
- IRF used : P6_V3_DIFFUSE

Likelihood Analysis results:

Daily Run (n. [411](#))

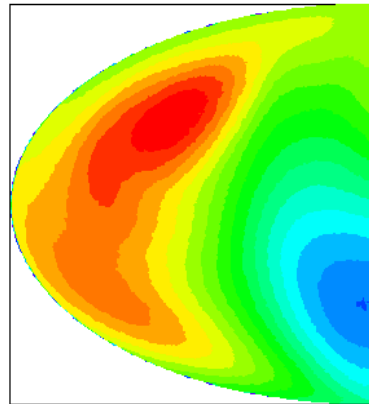
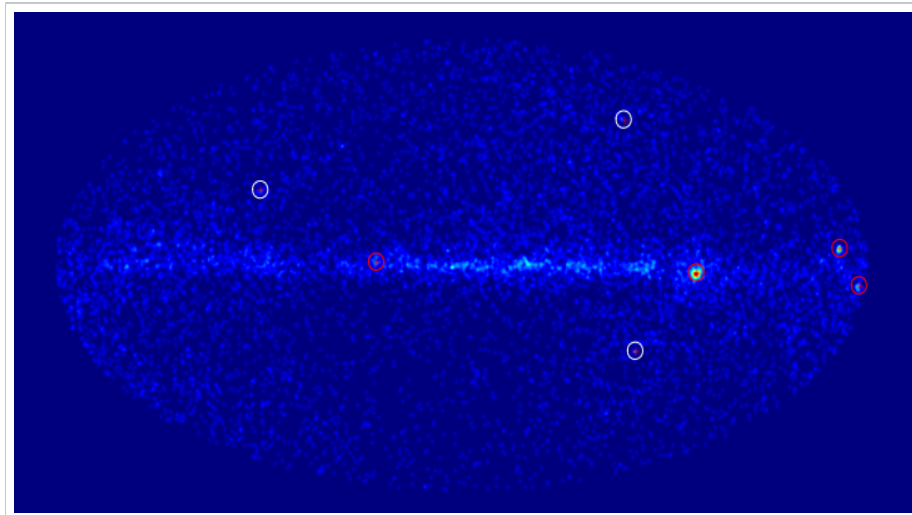


Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	index	index err	comment
ASPJ081854p422344	124.8015	41.8645	178.8678	33.5027		10	7	0.17	0.10	1.73	0.37	
ASPJ111724m042136	169.3508	-4.3601	263.5539	51.1774		22	16	0.88	0.35	2.82	0.42	
ASPJ125604m065043	194.0252	-6.1239	305.0450	56.7287		40	20	0.86	0.30	2.45	0.31	EMS0831 - CRATES J125610-054722

ASPJ152111p314420	230.8903	31.9041	50.4858	56.7317		44	18	0.72	0.23	2.43	0.30	EMS0994 - CRATES J152209+314418
ASPJ205731m471323	314.0530	-47.0660	352.8279	-40.3777		64	19	0.93	0.29	2.12	0.23	EMS1413 - CRATES J205615-471445
PKS0716p714	110.7201	71.4897	143.8186	28.1016		64	25	0.71	0.22	2.14	0.23	
PMNJ2250m2806	342.9760	-28.1248	23.7710	-63.5713		65	21	1.05	0.34	2.27	0.26	
ASPJ080630m080403	121.9022	-7.8829	228.9850	13.0086		33	12	0.45	0.20	2.05	0.30	EMS0540 - CRATES J080815-075109

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npred	Flux** *	Flux err	inde x	index err	comment
ASPJ183525p591857	278.7829	59.3608	88.7753	25.1234		146	43	1.28	0.28	2.09	0.16	PSRJ1836+5925
ASPJ170900m444500	257.3799	-44.4243	343.1268	-2.6217		59	46	1.89	0.54	2.07	0.17	PSRJ1709-4429
ASPJ175900m231500	270.3066	-22.6802	7.1715	0.1519		11	22	0.86	0.50	2.08	0.30	
ASPJ182437m124531	276.6056	-13.1368	18.4155	-0.5284		16	28	1.11	0.71	2.08	0.35	
ASPJ202214p402203	305.3581	40.5231	78.2814	2.1434		75	76	2.76	0.63	2.33	0.17	PSRJ2021+4026
CrabPulsar	83.7409	22.0434	184.5867	-5.6845		154	65	2.12	0.43	2.13	0.14	
Geminga	98.3932	17.8087	195.0636	4.2135		630	156	4.67	0.52	1.98	0.07	
VelaPulsar	128.7941	-45.1350	263.5010	-2.7862		1512	388	12.93	0.87	2.01	0.05	

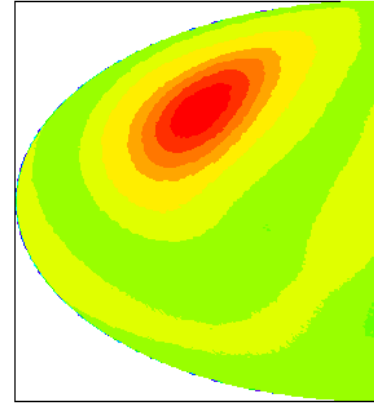
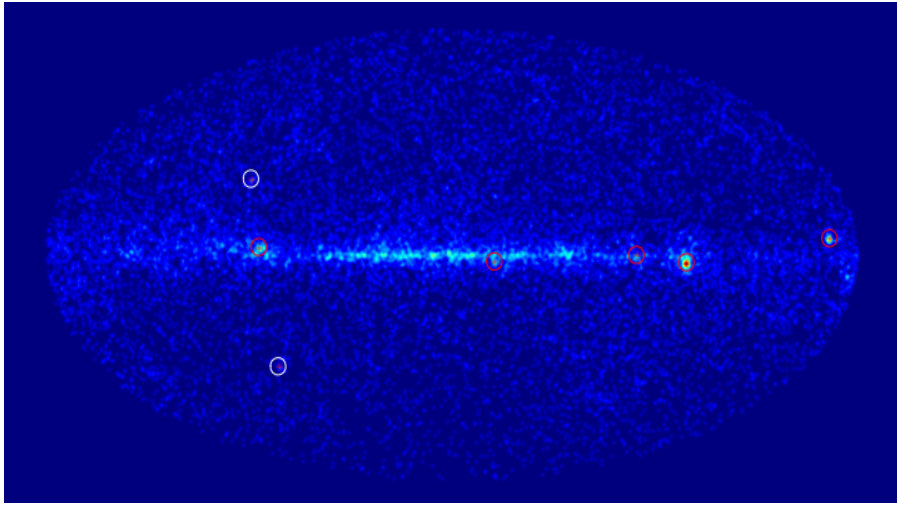
Six hours run (n. 1641)



Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npred	Flux** *	Flux err	inde x	index err	comment
ASPJ060003m703659	90.0127	-70.6165	281.0555	-29.7234		17	5	1.01	0.63	2.10	0.44	
ASPJ111615m054219	169.0610	-5.7052	264.3675	49.9025		8	4	0.94	0.63	2.52	0.65	

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npred	Flux** *	Flux err	inde x	index err	comment
ASPJ053216p230319	83.6099	22.5643	184.0794	-5.5079		41	17	2.79	0.97	2.10	0.26	CrabPulsar
ASPJ185300p011500	282.6649	1.3792	34.0708	0.8020		3	7	2.69	2.23	2.39	0.59	
Geminga	98.3985	17.9053	194.9797	4.2621		169	32	4.46	1.08	1.81	0.15	
VelaPulsar	128.8229	-45.1326	263.5112	-2.7685		322	83	12.97	1.89	2.04	0.11	
ASPJ183525p591857	279.1793	59.4523	88.9185	24.9439		57	11	1.53	0.60	1.90	0.26	PSRJ1836+5925

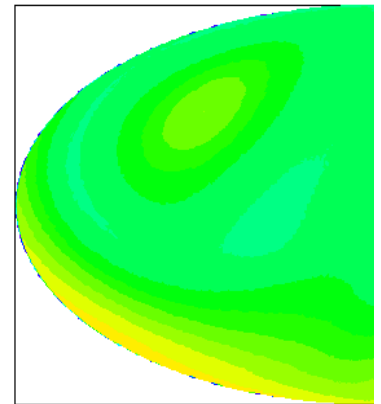
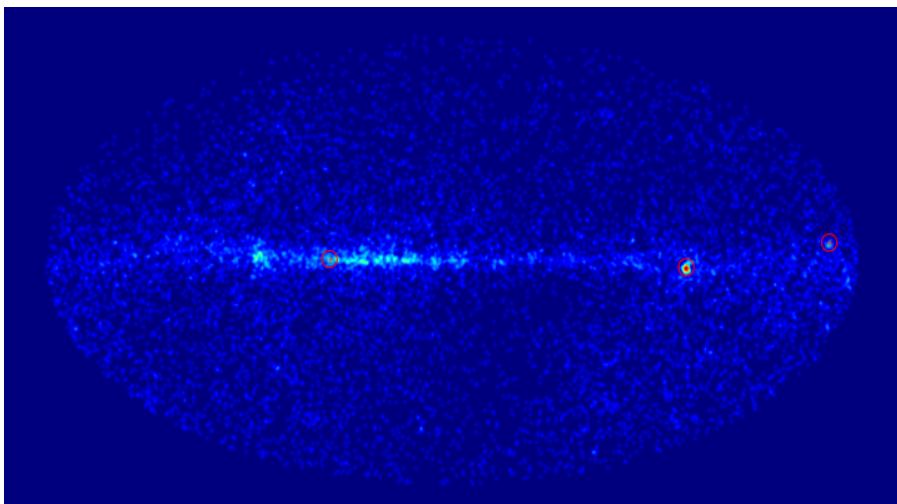
Six hours run (n. 1642)



Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
3C454.3	343.7244	15.8628	86.1476	-38.5459		6	3	0.77	0.66	2.67	0.86	

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ102307m581313	157.0455	-58.1719	284.9569	-0.3901		8	12	3.15	1.65	3.00	0.57	
ASPJ170900m444500	257.2582	-44.6650	342.8815	-2.6951		13	14	3.50	1.85	2.73	0.49	
ASPJ183525p591857	278.5531	59.3548	88.7435	25.2371		17	5	0.87	0.58	2.19	0.51	PSRJ1836+5925
ASPJ201550p405426	305.1627	40.6290	78.2844	2.3257		38	27	5.17	1.72	2.38	0.27	PSRJ2021+4026
Geminga	98.4052	17.7870	195.0882	4.2138		175	39	6.09	1.27	1.94	0.14	
VelaPulsar	128.8109	-45.0990	263.4792	-2.7551		353	95	15.00	2.04	2.08	0.10	

Six hours run (n. 1643)

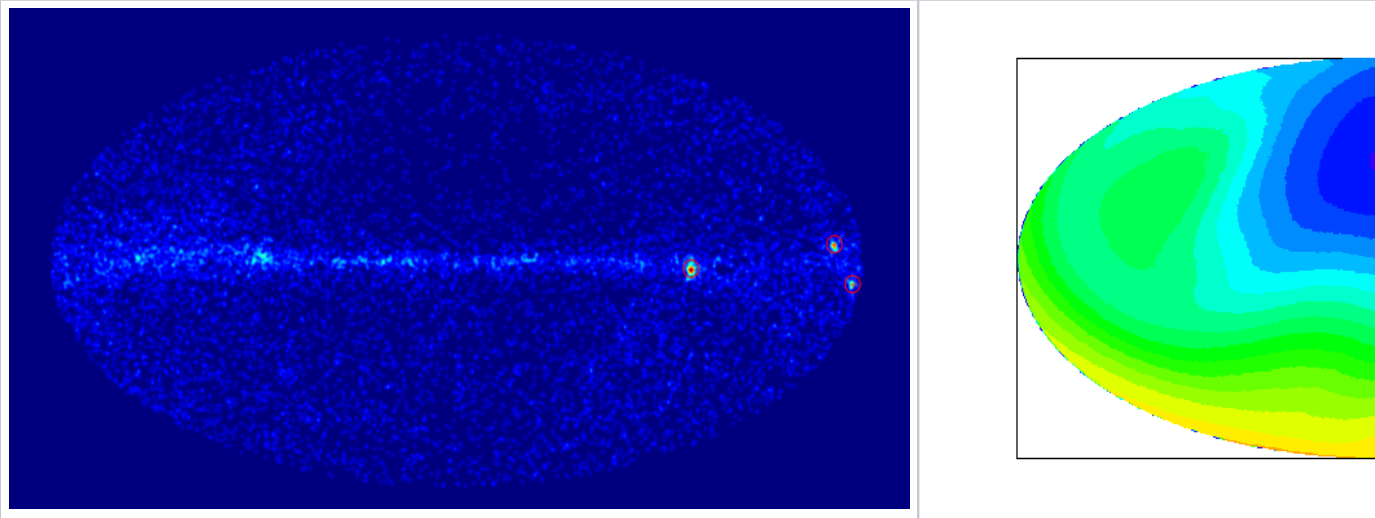


Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ192100p141500	290.5657	14.1003	48.9609	-0.2670		0	0	0.00	0.02	2.41	39.72	

Geminga	98.5200	17.7224	195.1959	4.2816		139	39	4.33	0.98	2.06	0.16	
VelaPulsar	128.7015	-45.1999	263.5140	-2.8773		424	112	11.78	1.46	2.03	0.09	

Six hours run (n. 1644)



Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
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Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ053028p211725	83.1651	21.7724	184.5286	-6.2807		70	33	4.66	1.29	2.50	0.30	CrabPulsa r
Geminga	98.3856	17.8022	195.0661	4.2041		232	55	5.07	0.91	1.85	0.11	
VelaPulsar	128.7895	-45.2290	263.5745	-2.8450		445	118	12.77	1.55	2.04	0.09	

* Results are obtained with unbinned likelihood and P6_V3_DIFFUSE irfs.
 ** Distance in arc min from ASDC tools
 *** $F(E>100\text{MeV}) \times 10^{-6} \text{ ph cm}^{-2} \text{ s}^{-1}$