

FA-GSW Report DOY 223 (August 11, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 223 (August 11, 2009)

On Duty Flare Advocates:

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Highlights

Extragalactic Science

- 3C 279 at 0.64 +/- 0.25
- 3C 454.3 at 1.21 +/- 0.35
- PKS 0716+714 at 0.53 +/- 0.18
- ASPJ080630m080403 at 0.72 +/- 0.19 associated with EMS0540- PKS 0805-07

Galactic Science

- PSR J2021+4026 at 2.24 +/- 0.88 (six-hour run)
- Usual PSR: Crab, Geminga, Vela
- Detection of PSR J0007+7303, PSR 1709-4429, PSR J1836+5925
- Detection of LSI 61303, LMXB 1E 1743.1-2843
- Detection of the Sun, ASPJ092540p150006 at 0.99 +/- 0.28
- ASPJ162035m492207 at 2.11 +/- 1.18 associated with EMS1050 ?

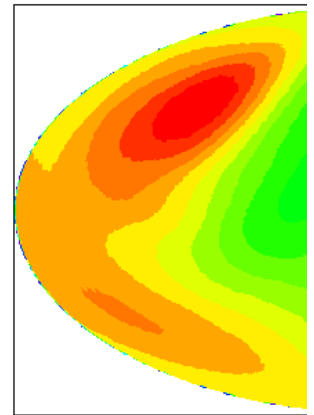
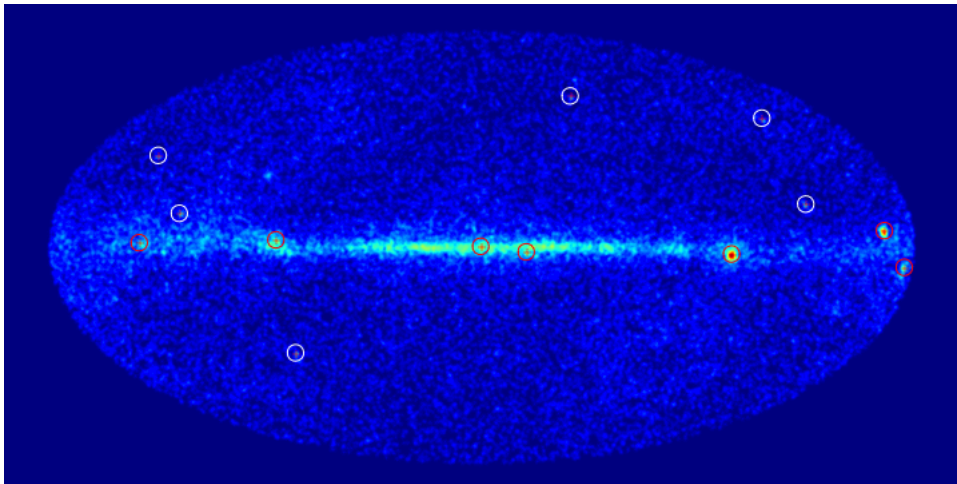


Technical notes

- 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:

Daily Run (n. 413)

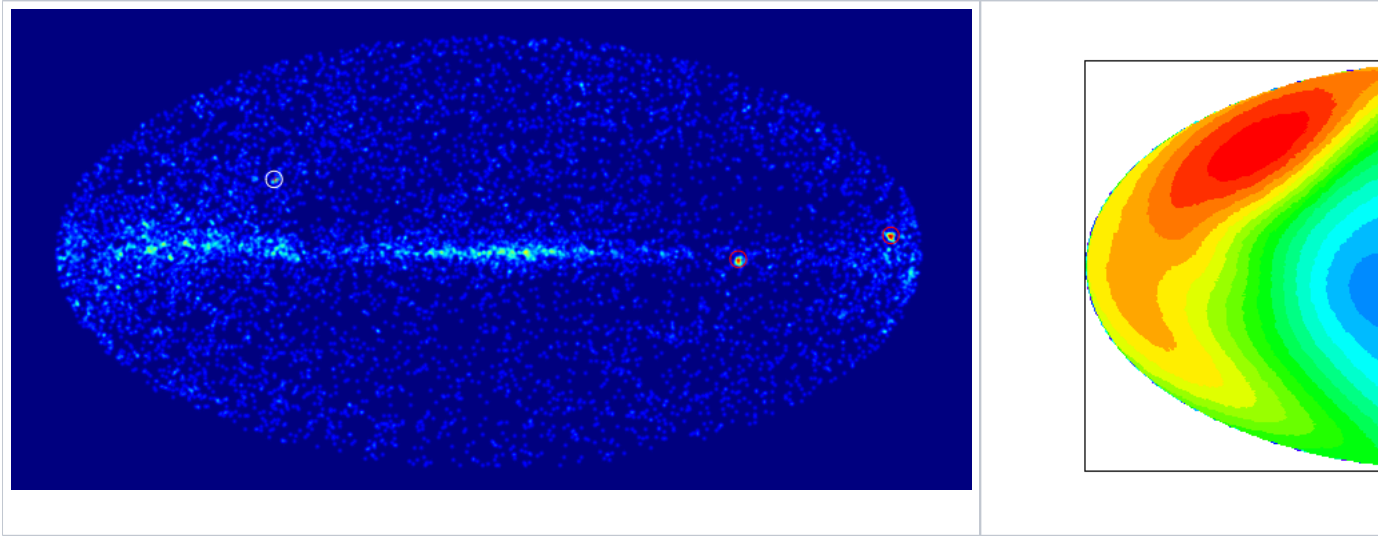


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
3C279	194.095	-5.6845	305.2	57.1655		31	15	0.64	0.25	2.37	0.33	
3C454.3	343.527	16.1804	86.170 4	-38.176 2		62	31	1.21	0.35	2.56	0.26	
PKS0716p714	110.52	71.2512	144.08 6	28.0291		50	20	0.53	0.18	2.23	0.26	

ASPJ080630m080403	122.016	-7.7731	228.946	13.1616		83	27	0.72	0.19	1.81	0.16	EMS0540- PKS 0805-07
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Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ000659p725318	2.0894	73.1537	119.774	10.5466		60	18	0.34	0.14	1.72	0.21	PSR J0007+7303
ASPJ023300p614500	39.7845	61.1765	135.544	0.969973		39	36	0.94	0.32	2.19	0.22	LSI 61303
ASPJ170700m431500	256.98	-44.1768	343.155	-2.2446		33	39	1.50	0.51	2.12	0.20	PSR J1709-4429
ASPJ174500m291500	266.688	-28.8588	0.195157	-0.171771		12	31	1.19	0.62	2.11	0.27	EMS1172 - LMXB 1E 1743.1- 2843
ASPJ202214p402203	305.379	40.4803	78.2552	2.10602		47	64	2.48	0.66	2.54	0.23	PSR J2021+4026
CrabPulsar	83.5864	22.0563	184.499	-5.79852		151	71	2.08	0.41	2.24	0.15	
Geminga	98.4727	17.762	195.14	4.25956		803	193	4.71	0.45	1.94	0.07	
VelaPulsar	128.872	-45.1958	263.583	-2.7784		1433	394	12.19	0.82	2.05	0.05	
ASPJ092540p150006	141.417	15.0018	216.278	40.8333		70	32	0.99	0.28	2.13	0.21	The Sun

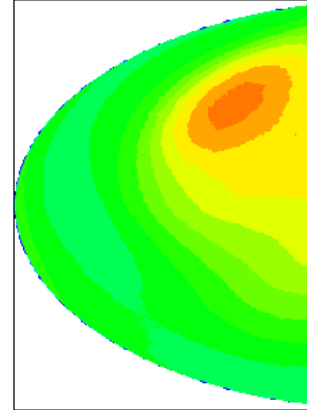
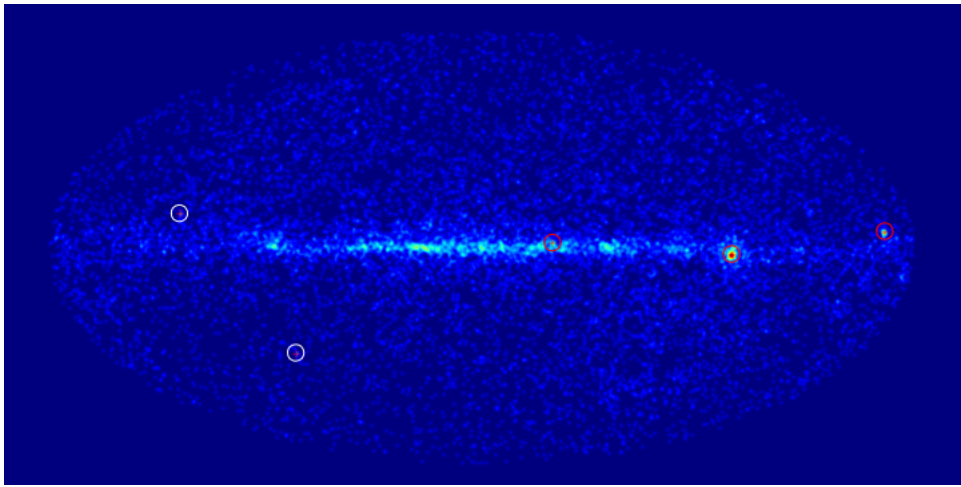
Six hours run (n. 1649)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	commen t
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Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ183525p591857	278.971	59.2948	88.7249	25.0161		38	11	1.68	0.67	2.21	0.32	PSR J1836+5925
Geminga	98.6646	17.5928	195.375	4.34513		143	38	4.68	1.02	2.08	0.16	
VelaPulsar	128.886	-45.2882	263.662	-2.82631		116	26	13.67	3.61	1.74	0.15	

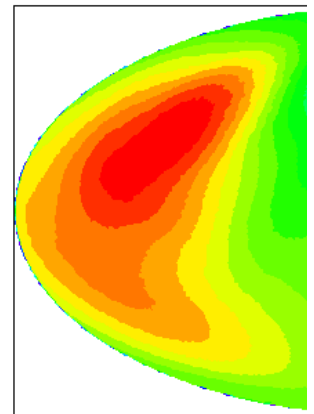
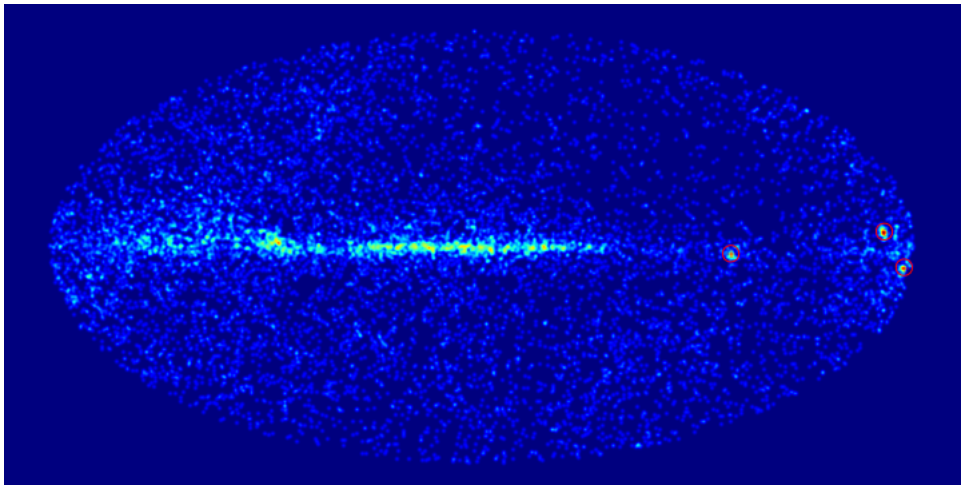
Six hours run (n. 1650)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	commen t
3C454.3	343.431	16.1399	86.044 3	-38.158 7		28	8	1.35	0.70	2.19	0.39	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ000659p725318	1.9646	73.1639	119.74	10.5628		41	9	1.07	0.52	1.72	0.27	PSR J0007+7303
ASPJ162035m492207	243.699	-49.2971	333.31 4	1.19391		7	15	2.11	1.18	2.38	0.43	EMS1050 ?
Geminga	98.2566	17.8395	194.97 7	4.11191		157	41	5.17	1.11	2.00	0.15	
VelaPulsar	128.842	-45.1488	263.53 2	-2.7674 2		514	138	11.72	1.36	2.04	0.08	

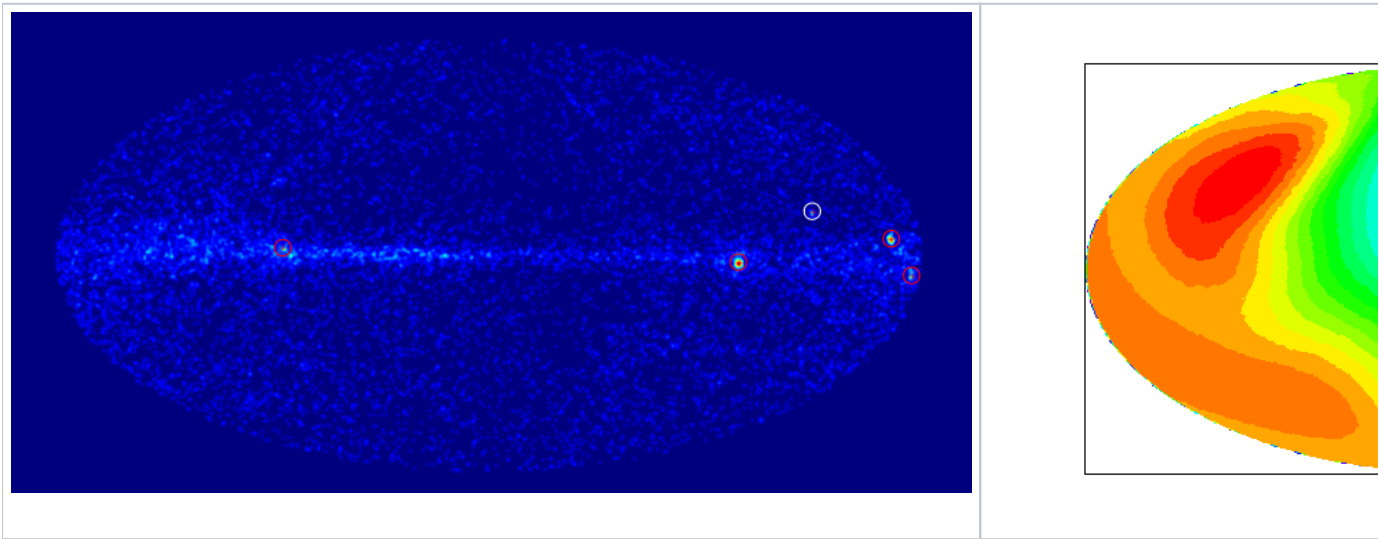
Six hours run (n. 1651)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	commen t
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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
CrabPulsar	83.6299	21.9923	184.57 5	-5.7987 4		61	22	2.43	0.82	2.00	0.22	
Geminga	98.284	17.5609	195.23 7	4.00775		132	41	5.59	1.19	2.18	0.17	
VelaPulsar	129.249	-45.3341	263.85 3	-2.6496 9		70	26	10.90	2.92	2.23	0.22	

Six hours run (n. 1652)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ080630m080403	122.285	-7.6961	229.016	13.4306			4410	0.77	0.30	1.65	0.22	EMS0540- PKS 0805-07

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ053216p230319	83.4613	22.2014	184.313	-5.81855		67	33	3.24	0.88	2.32	0.22	PSR J0534+2200
ASPJ202214p402203	305.362	40.5134	78.2752	2.13534		35	22	2.24	0.88	2.06	0.24	PSR J2021+4026
Geminga	98.4711	17.7554	195.145	4.25519		360	65	4.40	0.69	1.76	0.10	
VelaPulsar	128.847	-45.1975	263.573	-2.7937		502	127	14.58	1.68	2.07	0.09	

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