

FA-GSW Report DOY 225 (August 13, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 225 (August 13, 2009)

On Duty Flare Advocates:

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Highlights

Extragalactic Science

- 3C 454.3 at 3.48 +/-1.39
- ASPJ052321m362958 at 0.36 +/- 0.16 associated with EMS0354 - PKS 0521-36
- ASPJ092033p443709 at 0.53 +/- 0.23 associated with EMS0619 - CRATES J092058+444144
- ASPJ205731m471323 at 0.93 +/- 0.36 associated with EMS1413 - PKS 2052-47
- ASPJ080630m080403 at 0.88 +/- 0.45 associated with EMS0540 - PKS 0805-07

Galactic Science

- ASPJ185730p012230 at 2.60 +/- 1.12 associated with EMS1267 - 3EG J1856+0114
- LSI+61303 at 4.40 +/- 1.17
- PSR J2021+4026 at 3.73 +/- 1.43
- Detection of PSR J1836+5925, CrabPulsar, Geminga, VelaPulsar

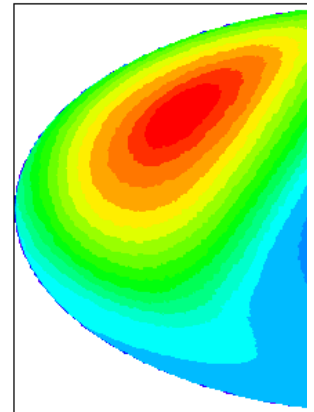
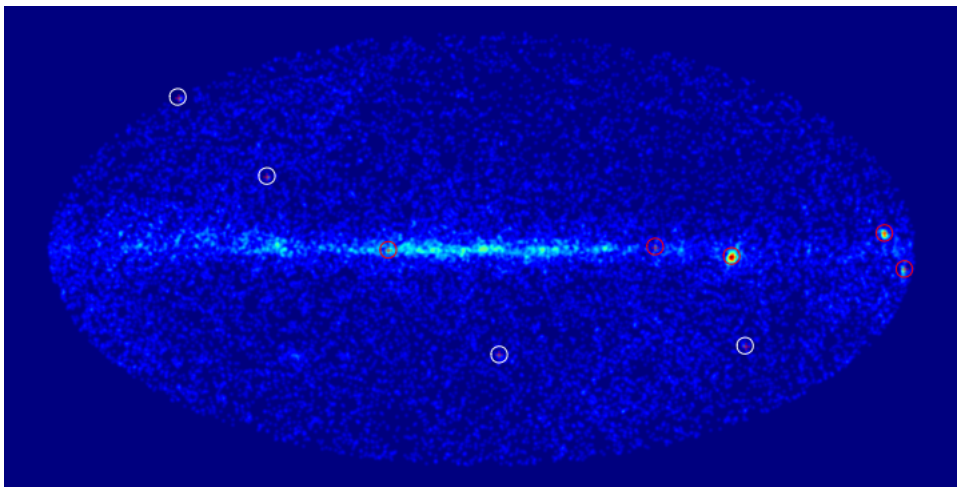


Technical notes

- 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:

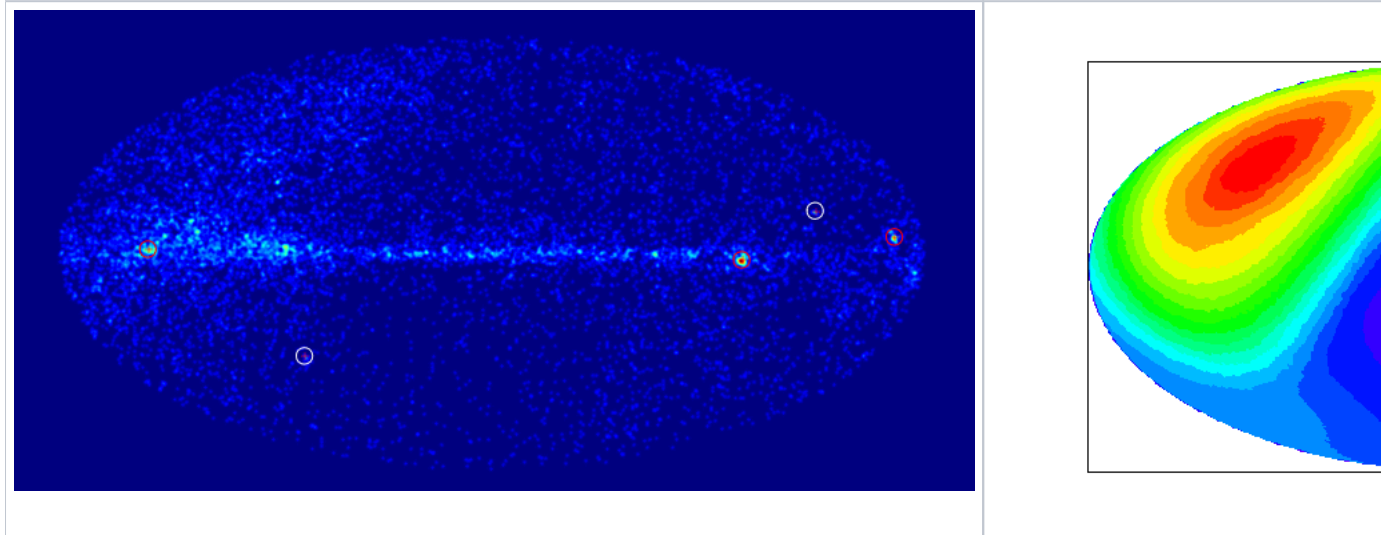
Daily Run (n. 415)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ052321m362958	80.9663	-36.6441	240.86 6	-32.576		39	10	0.36	0.16	1.86	0.27	EMS0354 - PKS 0521-36
ASPJ092033p443709	140.235	44.7988	175.56	44.8013		32	15	0.53	0.23	2.50	0.36	EMS0619 - CRATES J092058+444144
ASPJ205731m471323	314.5	-47.9206	351.68 7	-40.641 6		34	14	0.93	0.36	2.29	0.32	EMS1413 - PKS 2052-47

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	index	index err	comment
ASPJ113754m615758	174.375	-61.125	294.125	0.476104		6	7	0.30	0.25	1.71	0.40	EMS0746
ASPJ183525p591857	278.801	59.452	88.8761	25.1323		127	32	0.55	0.13	1.77	0.14	PSR J1836+5925
ASPJ185730p012230	284.375	1.375	34.8468	-0.72135		12	32	2.60	1.12	2.78	0.44	EMS1267 - 3EG J1856+0114
CrabPulsar	83.6671	22.1103	184.493	-5.70645		135	58	2.46	0.51	2.15	0.15	
Geminga	98.3846	17.7173	195.141	4.16449		570	148	6.18	0.69	2.01	0.08	
VelaPulsar	128.844	-45.1574	263.54	-2.77121		1177	297	13.01	0.98	1.99	0.05	

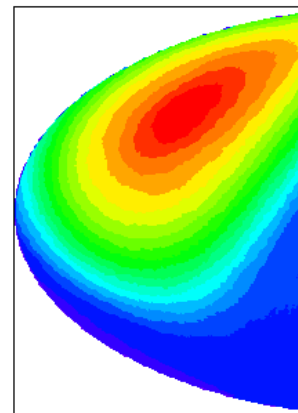
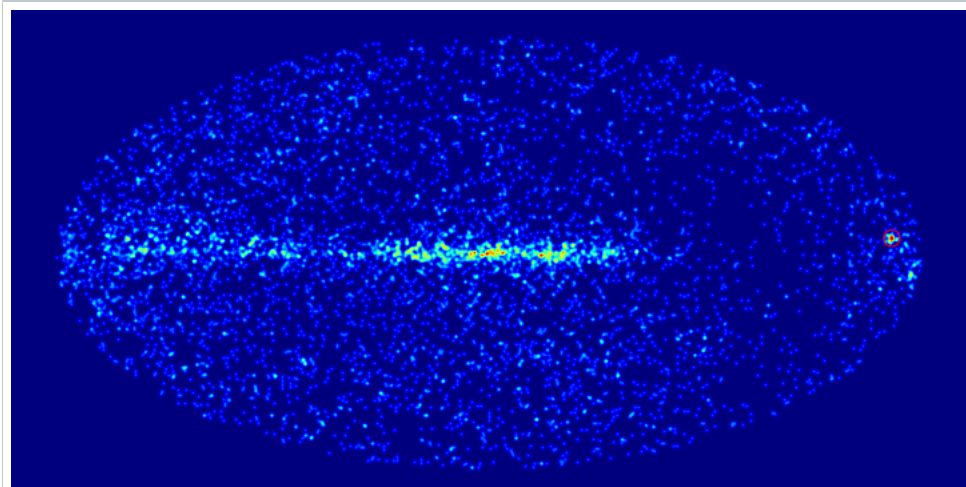
Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271382400&dataSourceMode=Prod1657)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	index	index err	comment
ASPJ080630m080403	122.056	-8.2095	229.353	12.9748		23	6	0.88	0.45	1.70	0.29	EMS0540 - PKS 0805-07
ASPJ224900p164500	342.558	16.8309	85.657	-37.1178		33	11	3.48	1.39	2.56	0.40	3C 454.3

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	index	index err	comment
Geminga	98.4106	17.704	195.165	4.18045		155	41	7.15	1.52	2.08	0.16	
LSip61303	40.8432	60.8005	136.166	0.837807		41	33	4.40	1.17	3.40	0.53	
VelaPulsar	128.904	-45.1385	263.55	-2.72601		269	71	10.19	1.58	1.89	0.10	

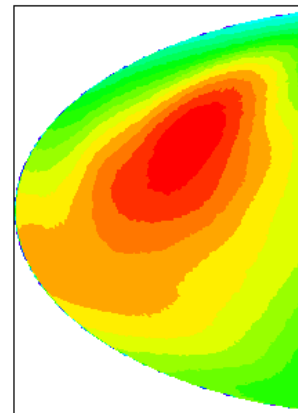
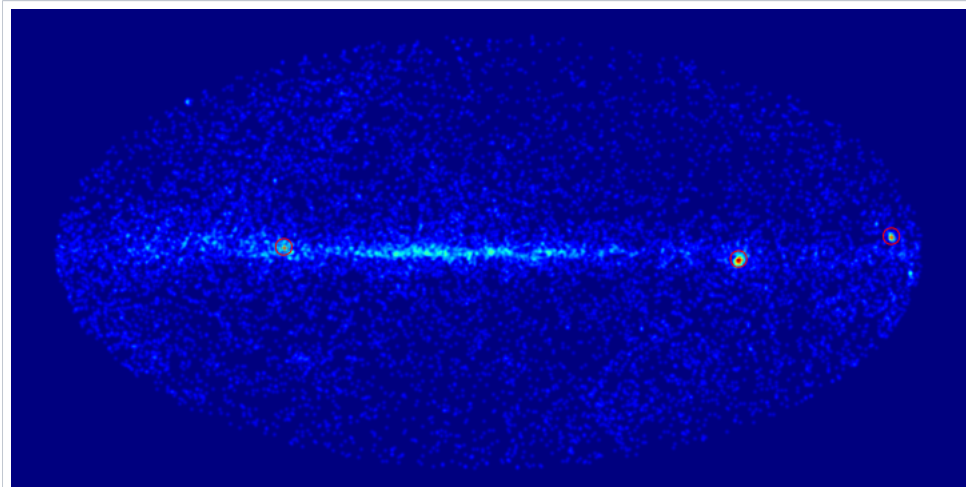
Six hours run (n. [1658](#))



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	index	index err	comment
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Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	index	index err	comment
Geminga	98.0089	17.6834	195.007	3.83072		75	21	5.81	1.74	1.96	0.20	

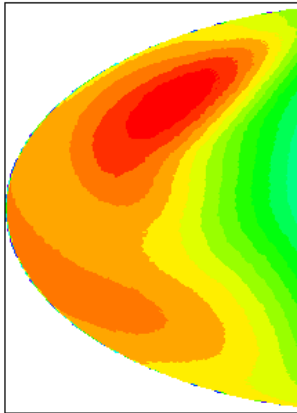
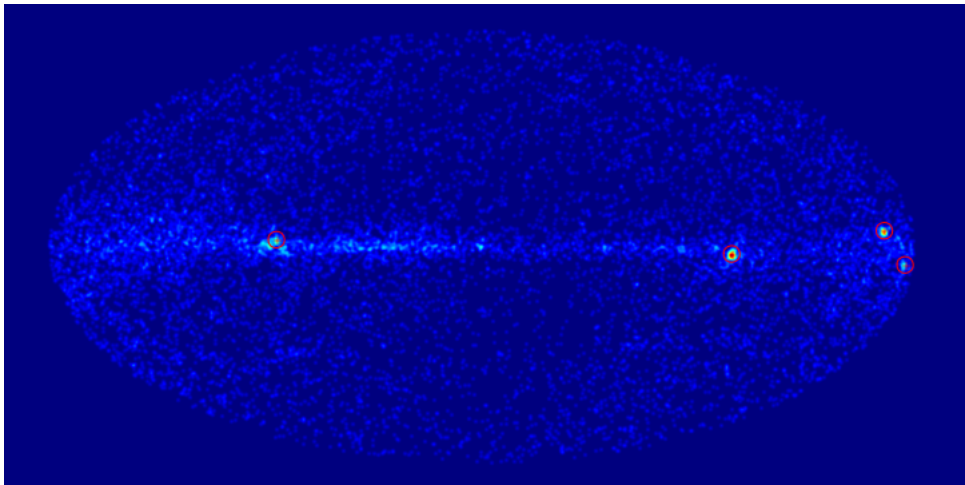
Six hours run (n. 1659http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271425600&dataSourceMode=Prod)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	index	index err	comment
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Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	index	index err	comment
ASPJ201908p392252	305.858	39.7606	77.8733	1.39421		14	24	3.73	1.43	3.14	0.53	PSR J2021+4026
Geminga	98.3456	17.6945	195.145	4.12103		202	49	5.29	1.04	1.99	0.13	
VelaPulsar	128.859	-45.1575	263.546	-2.7632		452	114	13.64	1.66	2.01	0.09	

Six hours run (n. 1660http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?&process_id=271447200&dataSourceMode=Prod)



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
ASPJ202214p402203	305.169	40.3642	78.068 8	2.17169		26	17	1.59	0.71	1.99	0.26	PSR J2021+4026
CrabPulsar	84.096	22.5708	184.31 5	-5.1251		39	26	2.49	0.87	2.28	0.29	
Geminga	98.4674	17.7366	195.16	4.24347		305	73	5.86	0.92	2.00	0.11	
VelaPulsar	128.83	-45.1236	263.50 7	-2.7592 8		536	127	14.42	1.69	2.03	0.09	

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