

FA-GSW Report DOY 226 (August 14, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 226 (August 14, 2009)

On Duty Flare Advocates:

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Highlights

Extragalactic Science

- ASPJ150345p102405 at 1.10 +/- 0.36 associated with EMS0969 - PKS 1502+106
- PKS 2155-304 at 0.27 +/- 0.12

Galactic Science

- PSR J2021+4026 at 2.58 +/- 0.59
- PSR J0534+2200 at 3.86 +/- 0.99
- ASPJ102307m581313 at 2.41 +/- 0.94 associated with EMS0671 - TeV WR20a
- PSR J1702-4217 at 6.70 +/- 2.92
- Detection of PSR J1709-4429, PSR J1836+5925, PWN G359.95-0.04, PWN G24.7+0.6
- Detection of CrabPulsar, Geminga, VelaPulsar

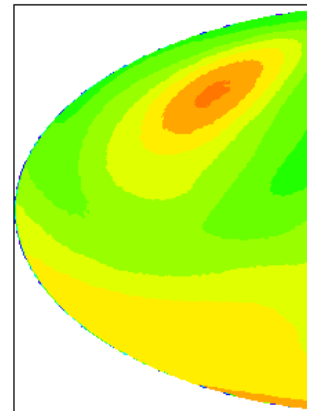
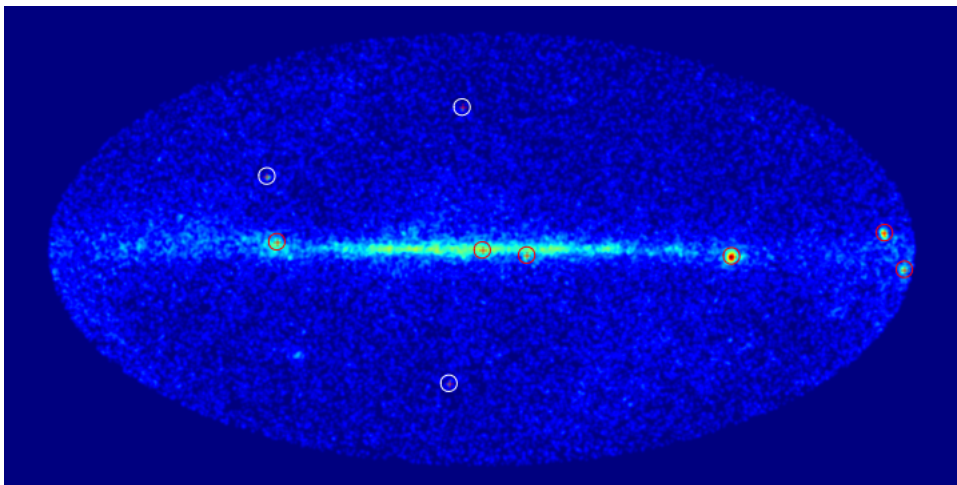


Technical notes

- 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:

Daily Run (n. 416)

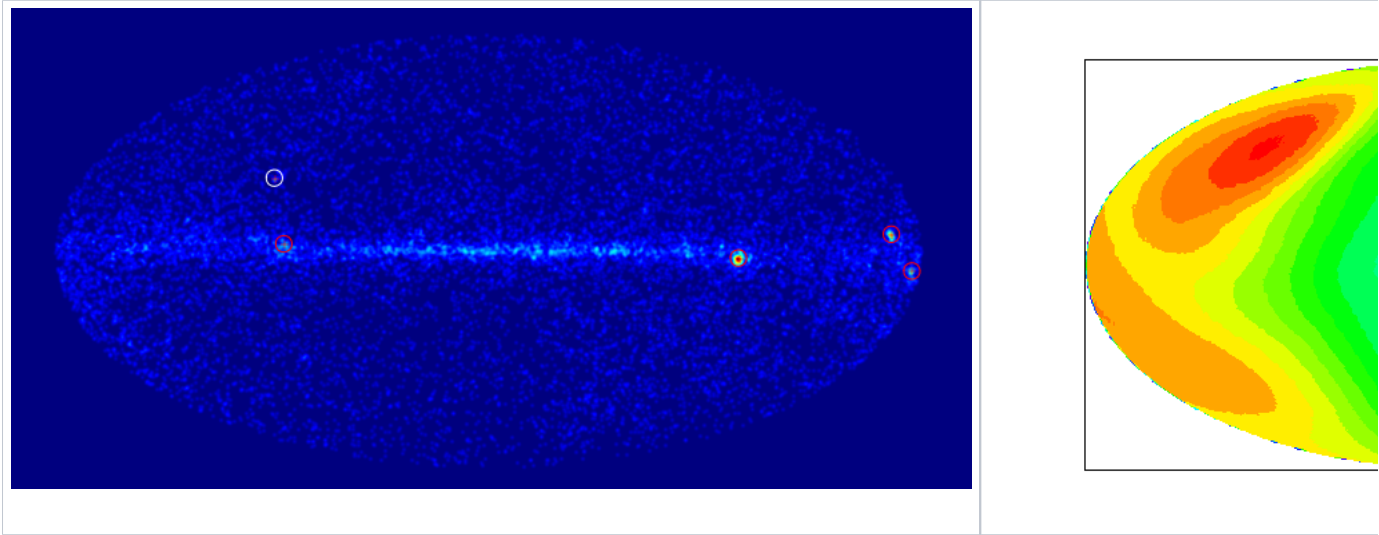


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ150345p102405	226.024	10.2866	11.007 5	54.5342		45	21	1.10	0.36	2.76	0.35	EMS0969 - PKS 1502+106
PKS2155m304	329.661	-30.2159	17.737 5	-52.196 4		89	13	0.27	0.12	1.55	0.21	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
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ASPJ170900m444500	257.338	-44.59	342.976	-2.696		66	47	1.60	0.49	2.04	0.18	PSR J1709-4429
ASPJ174500m291500	266.959	-29.6759	359.618	-0.796561		12	41	1.71	0.77	2.49	0.30	EMS1168 - PWN G359.95-0.04
ASPJ183323p602605	278.807	59.4893	88.9171	25.1366		104	31	0.82	0.21	1.92	0.16	PSR J1836+5925
ASPJ201908p392252	305.061	40.2166	77.9003	2.15615		68	73	2.58	0.59	2.36	0.17	PSR J2021+4026
CrabPulsar	83.6045	22.0718	184.495	-5.77605		196	85	2.55	0.46	2.16	0.13	
Geminga	98.4678	17.8183	195.088	4.28109		726	179	4.87	0.49	1.96	0.07	
VelaPulsar	128.899	-45.1759	263.578	-2.75169		1862	466	14.52	0.88	1.98	0.04	

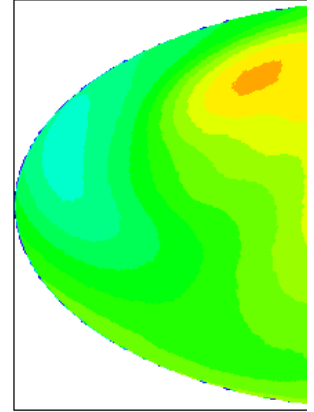
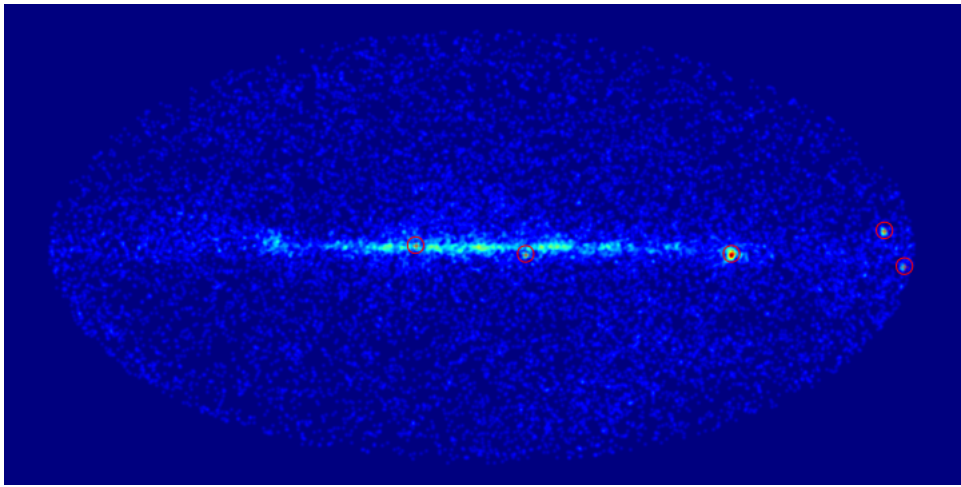
Six hours run (n. 1661)



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
ASPJ053216p230319	83.4945	22.3541	184.2	-5.71068		87	39	3.86	0.99	2.33	0.22	PSR J0534+2200
ASPJ183525p591857	278.718	59.2847	88.6857	25.1408		37	9	0.86	0.37	1.85	0.27	PSR J1836+5925
ASPJ201908p392252	305.101	40.1795	77.8871	2.10977		19	18	2.24	1.02	2.29	0.33	PSR J2021+4026
Geminga	98.56	17.8696	195.082	4.38259		256	64	4.91	0.81	1.95	0.11	
VelaPulsar	128.867	-45.205	263.588	-2.78679		846	203	15.80	1.42	1.98	0.06	

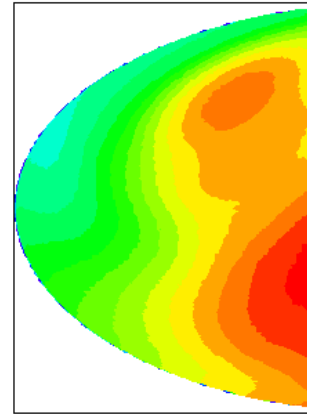
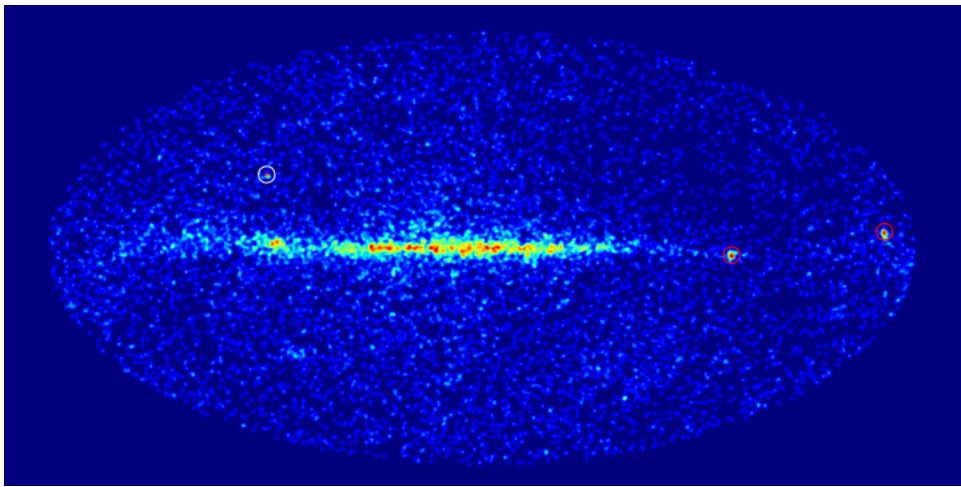
Six hours run (n. 1662)



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
ASPJ170900m444500	257.986	-44.4655	343.35	-2.99478		25	17	1.50	0.65	2.03	0.27	PSR J1709-4429
ASPJ183430m075230	278.787	-7.3239	24.5615	0.261107		6	12	1.05	0.75	2.02	0.34	EMS1244 - PWN G24.7+0.6
CrabPulsar	83.9109	22.2107	184.529	-5.46196		56	22	2.50	0.79	1.99	0.21	
Geminga	98.526	17.8646	195.072	4.35151		186	47	5.21	1.06	2.02	0.14	
VelaPulsar	128.937	-45.1448	263.569	-2.71138		612	163	13.03	1.36	2.00	0.07	

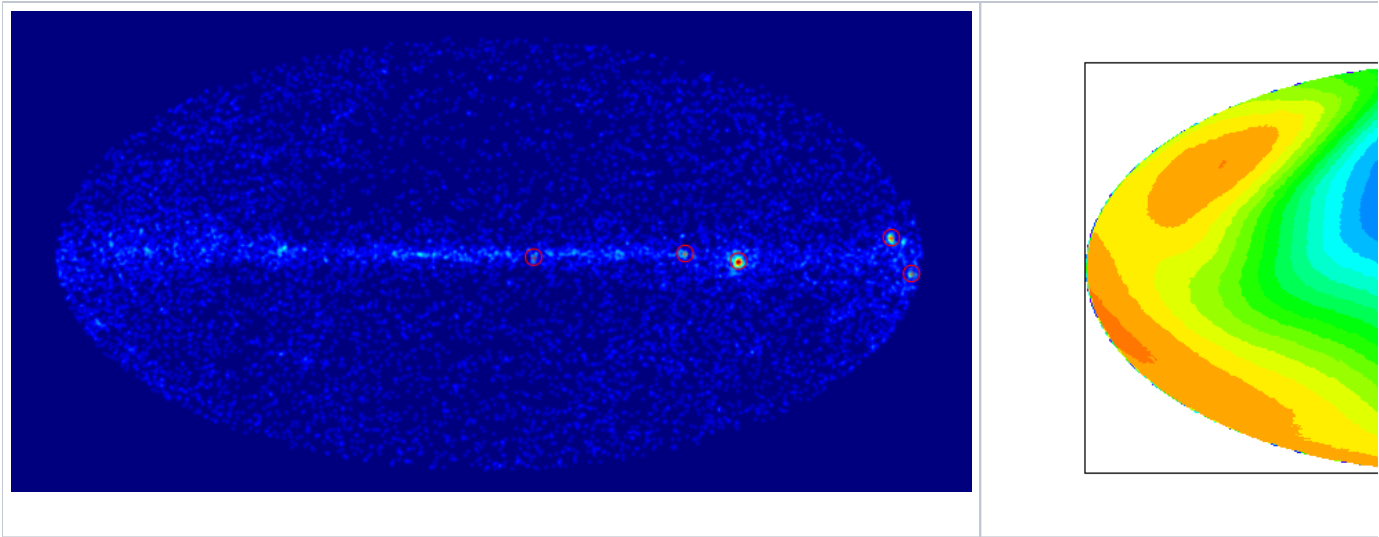
Six hours run (n. 1663)



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
ASPJ183323p602605	278.611	59.6421	89.0615	25.2639		40	10	0.84	0.36	1.83	0.27	PSR J1836+5925
Geminga	98.3835	17.8378	195.033	4.21859		116	24	4.20	1.12	1.85	0.17	
VelaPulsar	128.796	-45.1591	263.521	-2.79968		155	32	12.77	2.89	1.95	0.15	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?&process_id=271447200&dataSourceMode=Prod1664)



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
ASPJ102307m581313	157.463	-58.1358	285.126	-0.245265			18 18	2.41	0.94	2.14	0.28	EMS0671 - TeV WR20a
ASPJ170127m431355	256.123	-43.9055	343	-1.58932			13 15	6.70	2.92	3.03	0.51	PSR J1702-4217
CrabPulsar	83.739	22.2321	184.425	-5.58503			55 26	2.14	0.72	2.04	0.21	
Geminga	98.4729	17.7995	195.107	4.27683			255 67	5.19	0.87	1.93	0.11	
VelaPulsar	128.879	-45.1918	263.583	-2.77211			460 130	12.31	1.45	2.02	0.09	

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