

FA-GSW Report DOY 219 (August 7, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 219 (August 7, 2009)

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Highlights

Extragalactic Science

- 3C273 at 1.17 +/- 0.34
- 3C454.3 at 0.81 +/- 0.25
- ASPJ080630m080403 at 0.35 +/- 0.15 associated with PKS 0805-07
- ASPJ150345p102405 at 0.77 +/- 0.28 associated with EMS0969 - CRATES J150424+102943
- ASPJ152111p314420 at 0.54 +/- 0.19 associated with EMS0994 - CRATES J152209+314418
- marginal detection of PKS 05327-441

Galactic Science

- Usual PSR (Crab, Geminga, Vela)
- detection of PSRJ1836+5925, PSRJ2021+4026
- marginal detection of ASPJ141900m611500

Solar System

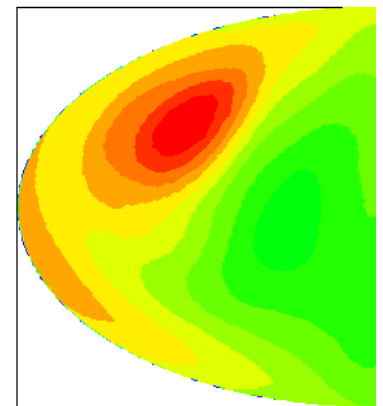
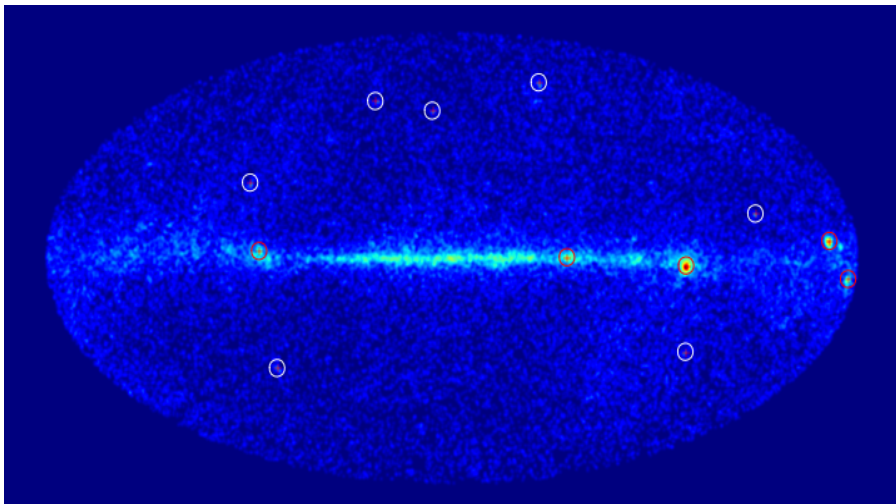


Technical notes

- 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. 409)

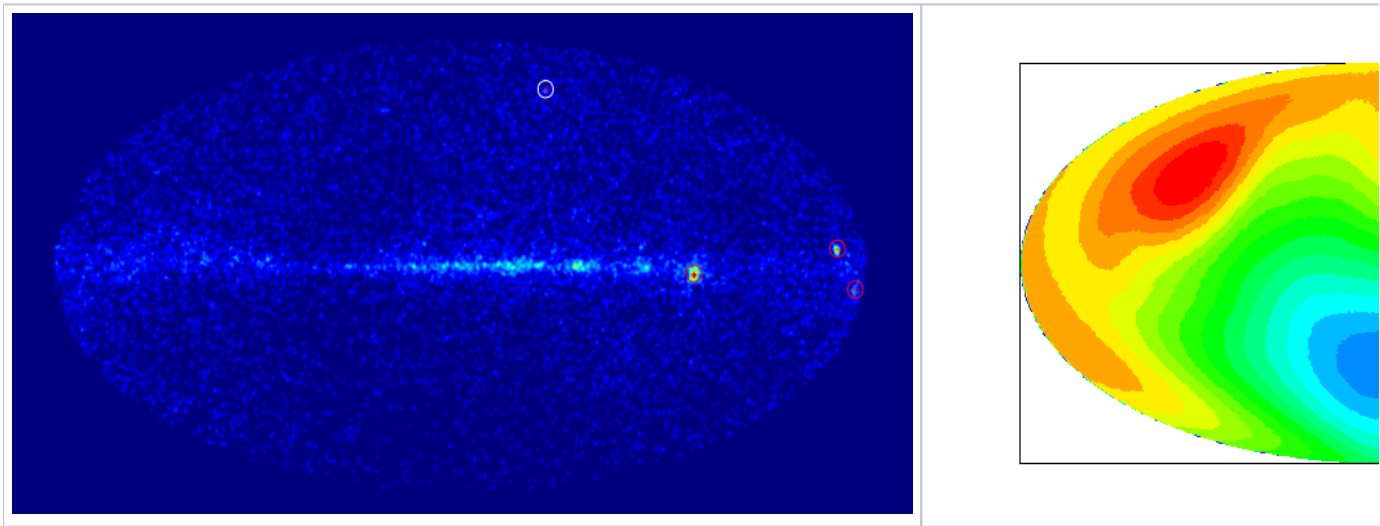


Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	index	index err	comment
3C273	187.3192	1.7727	290.1715	64.0940		57	28	1.17	0.34	2.53	0.26	
3C454.3	343.5058	16.2837	86.2220	-38.0792		49	20	0.81	0.25	2.17	0.24	
ASPJ080630m080403	122.0639	-7.9180	229.0991	13.1292		34	12	0.35	0.15	1.92	0.27	PKS 0805-07

ASPJ150345p102405	226.3989	10.5318	11.7049	54.3565		40	17	0.77	0.28	2.43	0.31	EMS0969, CRATES J150424+102943
ASPJ152111p314420	230.2383	31.6605	50.0074	57.2782		44	17	0.54	0.19	2.04	0.24	EMS0994, CRATES J152209+314418
BM_PKS0537m441	85.0774	-44.0707	250.1144	-30.8266		23	9	0.23	0.13	1.90	0.33	

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npred	Flux**	Flux err	index	index err	comment
ASPJ202214p402203	305.4255	40.3432	78.1625	1.9989		53	44	1.44	0.46	2.01	0.18	PSRJ2021+4026
CrabPulsar	83.6536	22.0991	184.4959	-5.7230		115	69	2.32	0.46	2.33	0.16	
Geminga	98.5148	17.7917	195.1318	4.3088		870	217	5.79	0.53	1.96	0.06	
VelaPulsar	128.8229	-45.2149	263.5773	-2.8177		1753	476	13.55	0.84	2.07	0.04	
ASPJ183525p591857	279.1878	59.4865	88.9565	24.9466		70	27	0.80	0.24	2.01	0.20	LAT PSRJ1836+5925
ASPJ141900m611500	215.4936	-61.0975	313.6516	-0.1242		24	51	2.29	0.71	2.48	0.24	PSRJ1420-6048, PSRJ1418-6058 (best fit pos. 215.154, -60.8986, err. 0.15)

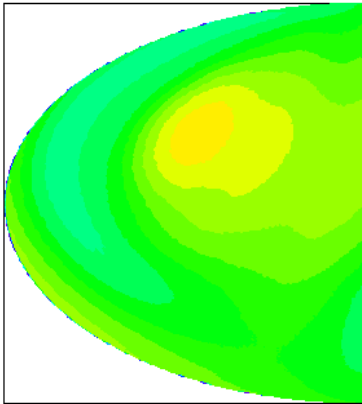
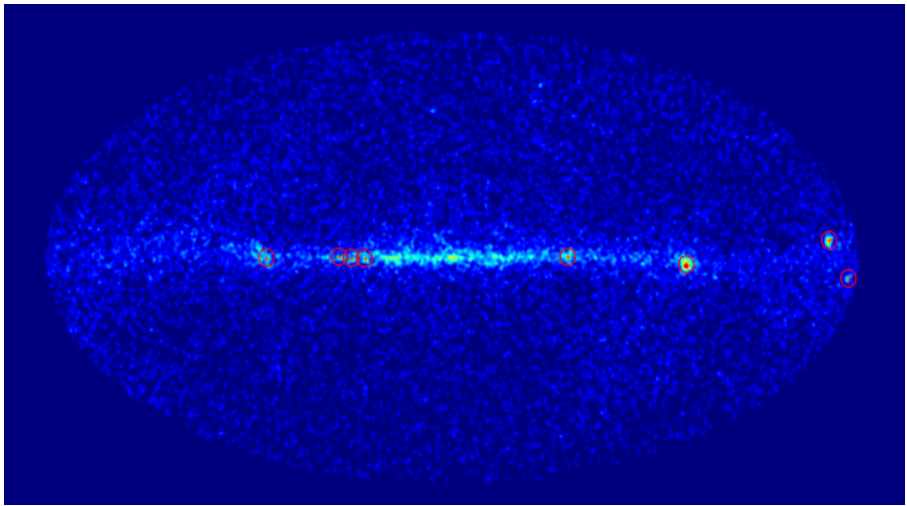
Six hours run (n. 1633)



Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npred	Flux**	Flux err	index	index err	comment
3C273	187.3239	2.2618	289.9582	64.5743		6	3	1.01	0.75	2.96	0.87	

Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npred	Flux**	Flux err	index	index err	comment
ASPJ053028p211725	83.1622	21.5892	184.6825	-6.3815		8	10	2.77	1.58	2.94	0.62	
Geminga	98.5406	17.8957	195.0502	4.3781		143	34	5.30	1.23	1.93	0.15	
VelaPulsar	128.8506	-45.2908	263.6498	-2.8475		326	86	12.75	1.83	2.02	0.10	

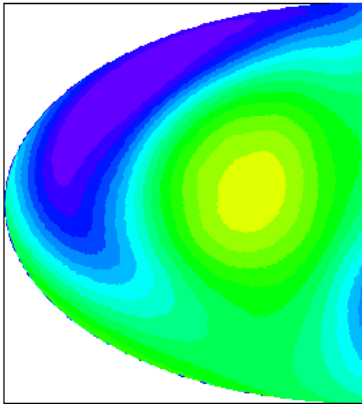
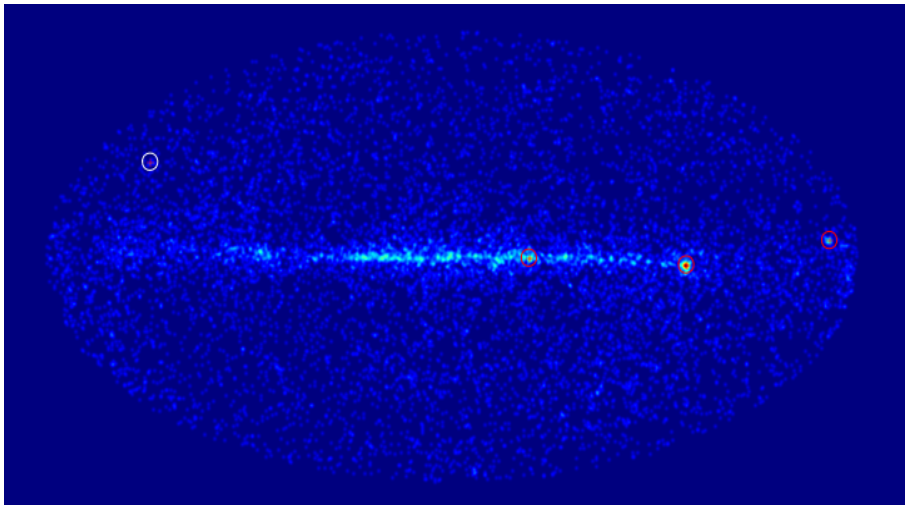
Six hours run (n. 1634)



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
ASPJ053216p230319	83.4123	22.2432	184.2532	-5.8344		37	16	1.96	0.72	2.19	0.28	PSRJ0534+2200
ASPJ141900m611500	215.1385	-61.4244	313.3799	-0.3736		14	23	3.86	1.51	2.87	0.42	
ASPJ185730p012230	284.3951	1.1986	34.6990	-0.8197		17	17	1.77	0.93	1.99	0.27	
ASPJ190507p062842	286.7653	6.1448	40.1794	-0.6569		16	15	1.49	0.77	1.93	0.28	
ASPJ191218p110057	288.6922	10.6115	45.0214	-0.2824		5	11	1.51	1.05	2.53	0.49	
ASPJ202124p365447	305.7737	36.2663	74.9711	-0.5534		15	20	2.95	1.14	2.69	0.42	
Geminga	98.5175	17.6250	195.2817	4.2350		228	60	5.65	0.98	1.92	0.11	
VelaPulsar	128.7999	-45.1191	263.4907	-2.7734		529	162	13.80	1.48	2.21	0.09	

Six hours run (n. 1635)

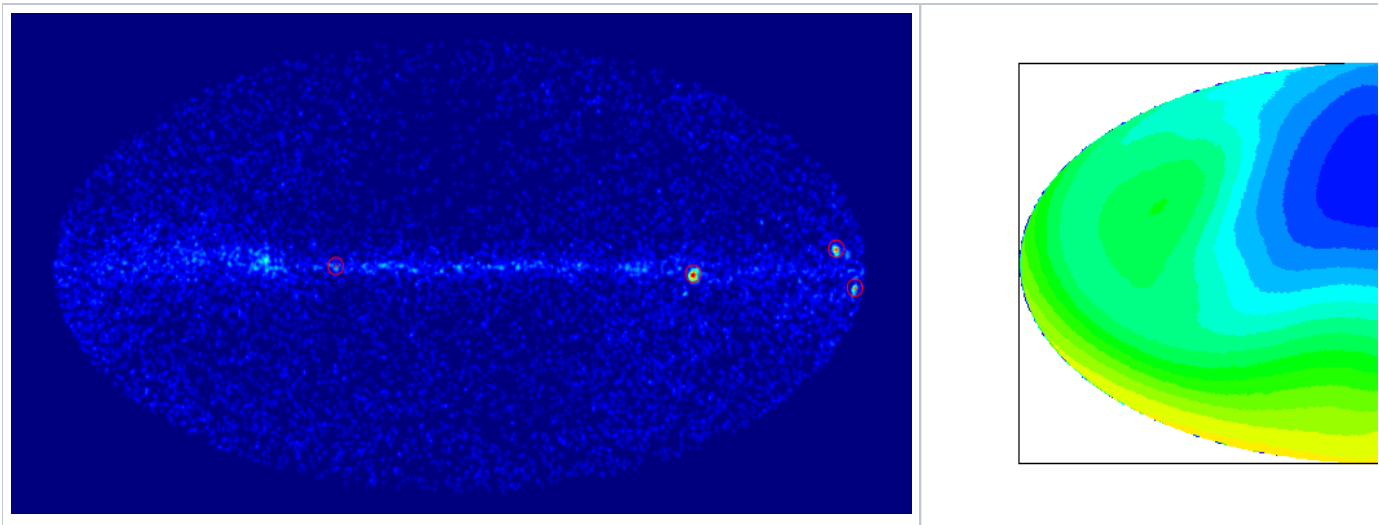


Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
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Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	T S	Npre d	Flux** *	Flux err	inde x	index err	comment
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ASPJ155658m535310	240.5742	-53.5131	329.0320	-0.6037		0	0	0.35	1.68	2.43	1.71	
Geminga	98.5108	17.7382	195.1778	4.2810		36	13	3.98	1.58	2.18	0.31	
VelaPulsar	128.8588	-45.2065	263.5857	-2.7924		373	87	13.25	1.87	1.89	0.09	

Six hours run (n. 1636)



Extragalactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npre d	Flux**	Flux err	inde x	index err	comment
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Galactic sources	RA(J2000)	DEC(J2000)	L	B	Delta**	TS	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ192100p141500	290.8429	14.2765	49.2431	-0.4208		17	12	3.44	1.64	2.08	0.34	EMS1296
CrabPulsar	83.5004	21.9866	184.5149	-5.9032		86	30	3.12	0.79	2.00	0.18	
Geminga	98.5831	17.7697	195.1811	4.3566		288	63	6.04	1.00	1.93	0.11	
VelaPulsar	128.7642	-45.2428	263.5749	-2.8675		592	148	15.62	1.68	2.10	0.08	

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