FA-GSW Report DOY 224 (August 12, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 224 (August 12, 2009)

On Duty Flare Advocates:

FA: Chin-Shin Chang (cschang@mpifr.de)

Highlights

Extragalactic Science

- 3C 454.3 at 2.58 +/- 0.99
- ASPJ080630m080403 at 0.67 +/- 0.19 associated with EMS0540 - PKS 0805-07

Galactic Science

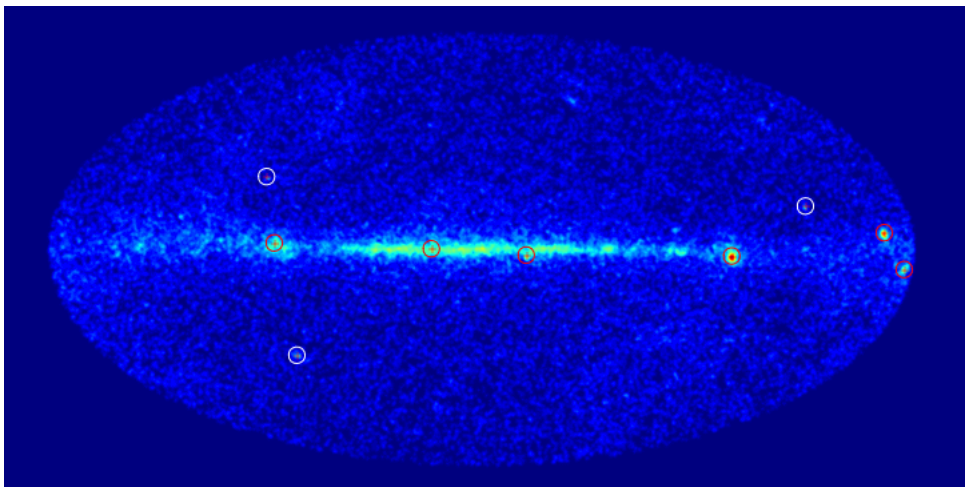
- Unknown source ASPJ201550p405426 at 4.95 +/- 1.67
- ASPJ101714m590136 at 4.28 +/- 1.41 possible association with (1)SNR G284.3-1.8 (2)EMS0671 - TeV WR20a
- Detection of PSR J1709-4429, PSR J1826-1256, PSR J1836+5925, PSR J2021+4026, PSR J1028-5819
- Detection pf usual pulsars (Geminga, Crab, Vela)

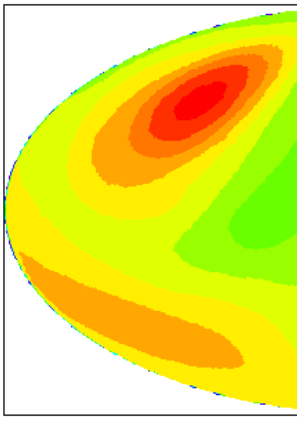
Technical notes

- 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. 414)



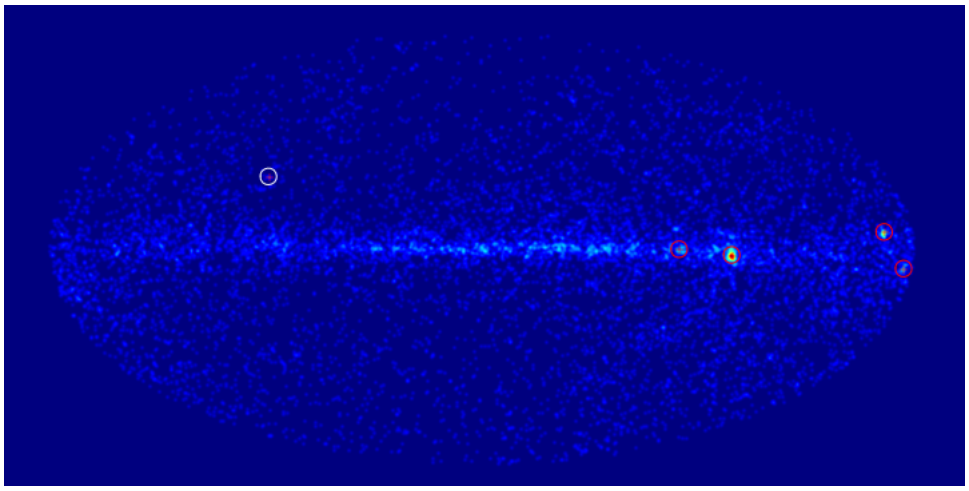


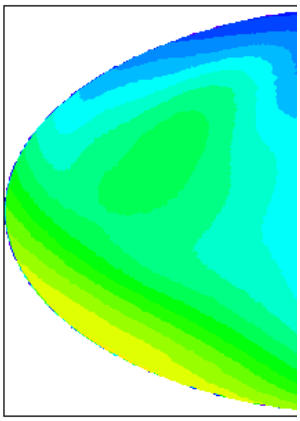
Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
3C454.3	343.313	15.832	85.706	-38.3512		104	42	1.49	0.35	2.38	0.20	
ASPJ080630m080403	122.091	-7.8788	229.078	13.1718		98	25	0.67	0.19	1.73	0.16	EMS0540 - PKS 0805-07

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ170900m444500	257.481	-44.4498	343.149	-2.69482		101	54	1.78	0.46	1.93	0.15	PSR J1709-4429

ASPJ182437m124531	276.557	-12.8495	18.6474	-0.352098		16	24	0.95	0.95	2.25	0.53	PSR J1826-1256
ASPJ183525p591857	279.234	59.4254	88.8957	24.911		62	19	0.55	0.20	2.02	0.24	PSR J1836+5925
ASPJ202138p413136	306.256	40.7867	78.8877	1.73576		30	58	2.24	0.65	2.51	0.24	PSR J2021+4026
CrabPulsar	83.5659	22.0242	184.516	-5.83176		179	84	2.60	0.46	2.20	0.13	
Geminga	98.4789	17.7408	195.162	4.25514		886	201	5.24	0.49	1.92	0.06	
VelaPulsar	128.804	-45.1271	263.499	-2.77556		1452	387	12.25	0.84	2.04	0.05	

Six hours run (n. 1653)

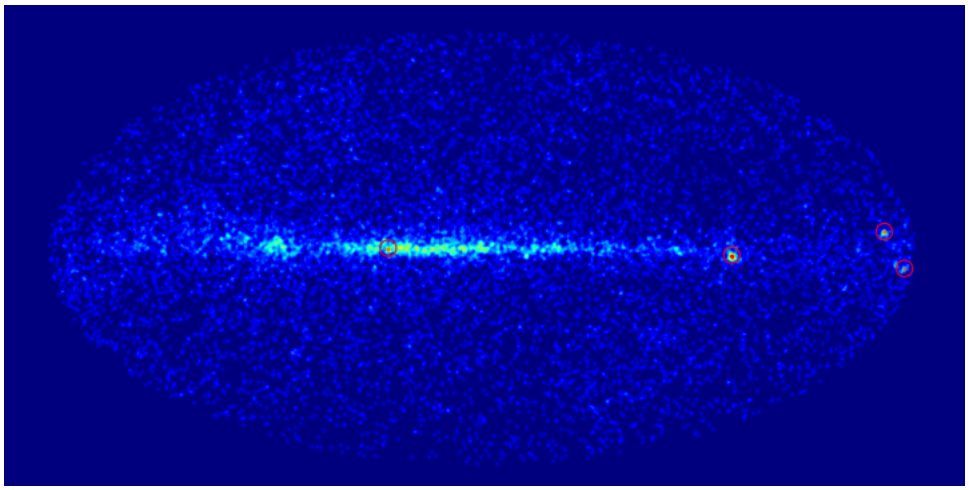


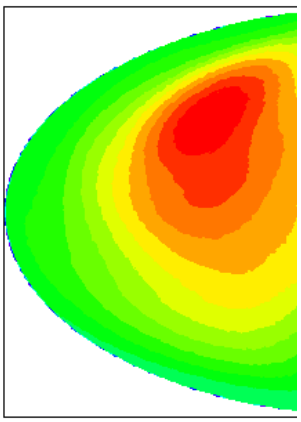


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ102307m581313	156.175	-58.4335	284.706	-0.853186		11	14	1.72	0.87	2.38	0.37	PSR J1028-5819
ASPJ183525p591857	279.383	58.4861	87.9011	24.6414		19	8	2.56	1.47	3.13	0.69	PSR J1836+5925
CrabPulsar	83.7177	21.7394	184.833	-5.86516		36	14	1.39	0.58	1.79	0.23	
Geminga	98.4682	17.6159	195.268	4.18907		205	49	5.70	1.09	1.97	0.13	
VelaPulsar	128.849	-45.1276	263.518	-2.75071		538	142	12.24	1.36	2.02	0.08	

Six hours run (n. 1654)

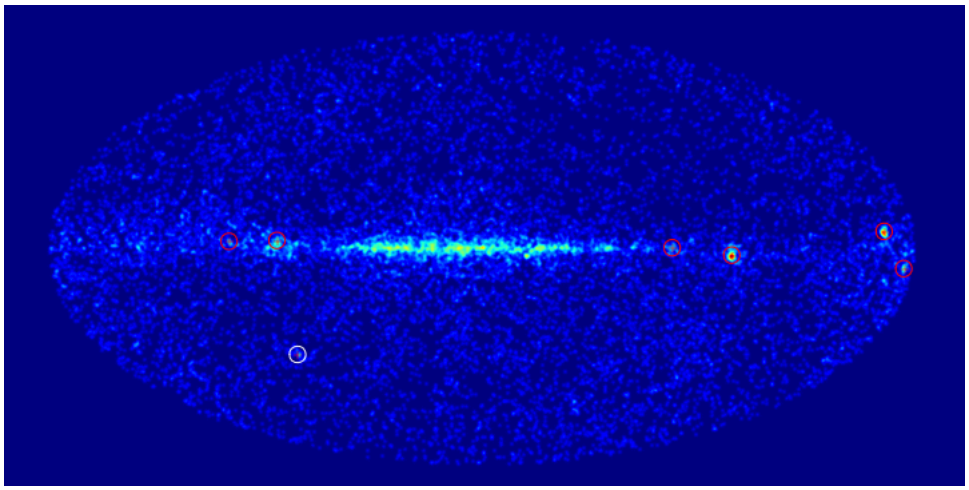


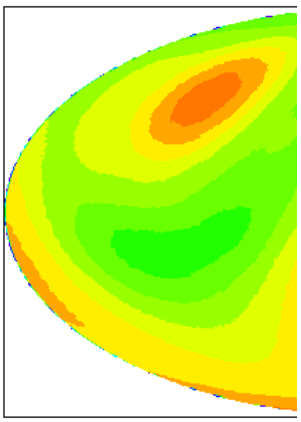


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ053216p230319	83.4838	22.1539	184.365	-5.82645		56	22	4.29	1.45	2.35	0.27	CrabPulsar
ASPJ185300p011500	284.187	1.4951	34.868	-0.499488		15	17	1.64	0.82	1.95	0.26	EMS1267 - 3EG J1856+0114
Geminga	98.4849	17.7501	195.156	4.26447		155	34	4.86	1.13	1.89	0.15	
VelaPulsar	128.803	-45.1341	263.504	-2.78077		308	79	12.83	1.98	2.09	0.12	

Six hours run (n. 1655)



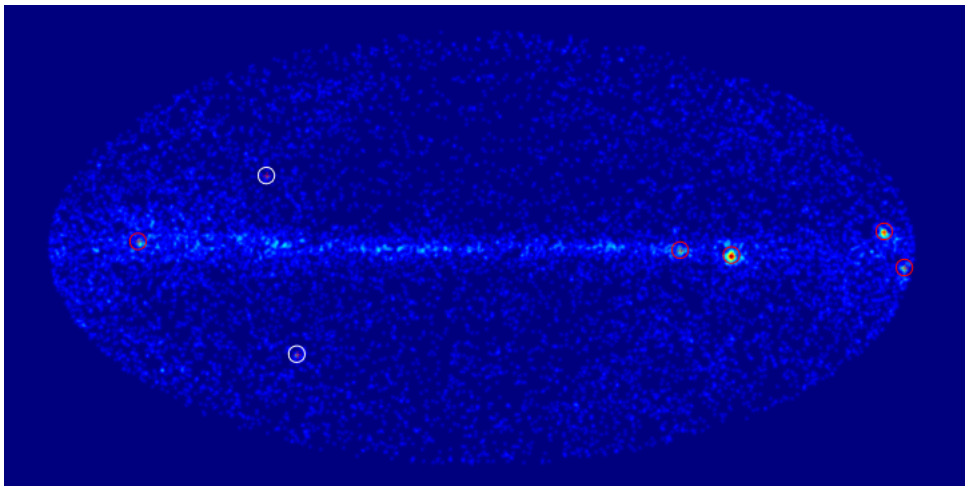


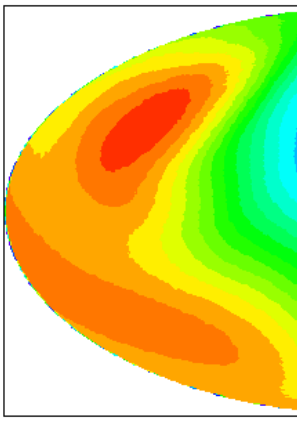
Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ224839p154016	343.186	15.6272	85.4306	-38.4523		45	17	2.58	0.99	2.58	0.36	3C 454.3

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ104120m591328	161.301	-59.3583	287.461	-0.3324		12	13	2.92	1.55	2.29	0.43	EMS0693
ASPJ201550p405426	304.9	40.2264	77.8388	2.26324		23	27	4.95	1.67	2.98	0.40	Unknown

ASPJ213621p543924	324.088	54.6568	97.1279	1.87041		13	11	1.49	0.83	2.38	0.46	NMS1129 ?
CrabPulsar	83.6481	21.8289	184.723	-5.87192		32	18	1.79	0.67	2.12	0.26	
Geminga	98.6138	17.7325	195.228	4.3657		265	57	4.87	0.84	1.91	0.12	
VelaPulsar	128.753	-45.1315	263.481	-2.8072		322	83	13.99	2.03	2.04	0.11	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?&process_id=271447200&dataSourceMode=Prod1656)





Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
3C454.3	343.295	15.8615	85.7089	-38.3171		39	16	1.98	0.71	2.62	0.36	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ101714m590136	155.22	-58.4695	284.304	-1.15226		22	23	4.28	1.41	2.75	0.34	(1)SNR G284.3-1.8 (2)EMS0671 - TeV WR20a
ASPJ183525p591857	279.233	59.5263	89.0045	24.9321		31	6	0.54	0.30	1.81	0.34	PSR J1836+5925
CrabPulsar	83.7975	22.1605	184.515	-5.57754		61	33	3.49	0.91	2.44	0.23	
Geminga	98.5658	17.785	195.16	4.34894		327	79	6.54	0.99	2.05	0.11	
LSIp61303	41.4693	61.5828	136.11	1.67435		23	21	2.14	0.83	2.45	0.34	
VelaPulsar	128.881	-45.2055	263.594	-2.77902		473	127	12.36	1.42	2.03	0.08	

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