

FA-GSW Report DOY 227 (August 15, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 227 (August 15, 2009)

On Duty Flare Advocates:

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



Highlights

Extragalactic Science

- 3C 454.3 at 2.74 +/- 0.93
- ASPJ092033p443709 at 0.19 +/- 0.13 associated with EMS0619 - CRATES J092058+444144
- 3C 279 at 0.50 +/- 0.26
- ASPJ150345p102405 at 0.31 +/- 0.17 associated with EMS0969 - PKS 1502+106
- ASPJ192440m292016 at 0.41 +/- 0.22 associated with EMS1299 - BZCAT BZQ J1924-2914
- ASPJ205731m471323 at 0.75 +/- 0.29 associated with EM1413 - PKS 2052-47
- Unknown source ASPJ155100p551500 at 1.54 +/- 0.86

Galactic Science

- PSR J1709-4429 at 2.69 +/- 0.66
- PSR J2021+4026 at 2.09 +/- 0.52
- PSR J0534+2200 at 3.57 +/- 1.23
- ASPJ102307m581313 at 4.71 +/- 2.31 associated with EMS0667
- Detection of PSR J1836+5925, PSR J1324-6302, PSR J2302+6028
- Detection of CrabPulsar, Geminga, VelaPulsar

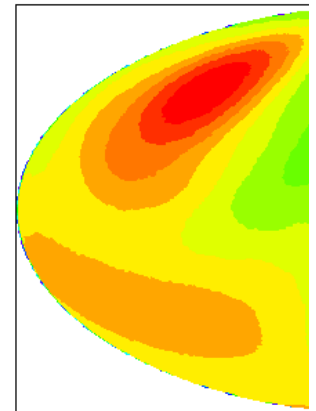
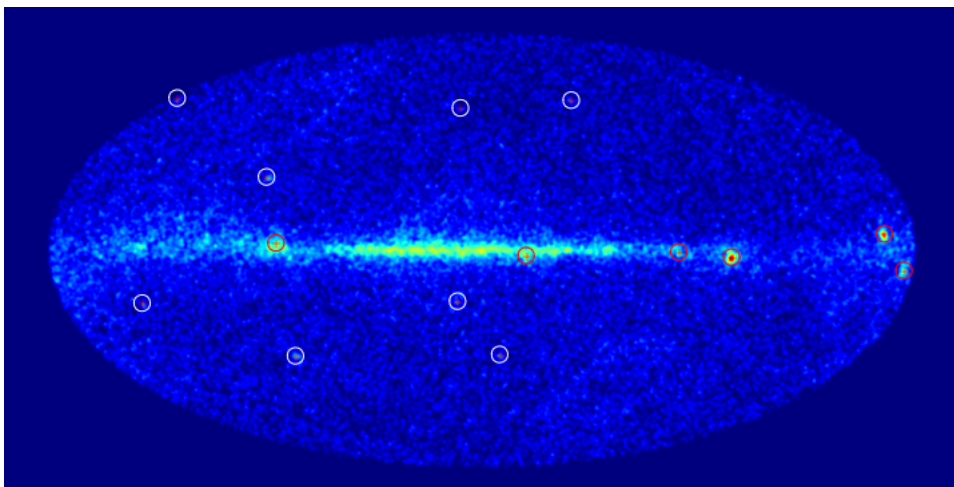


Technical notes

- 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. 417)

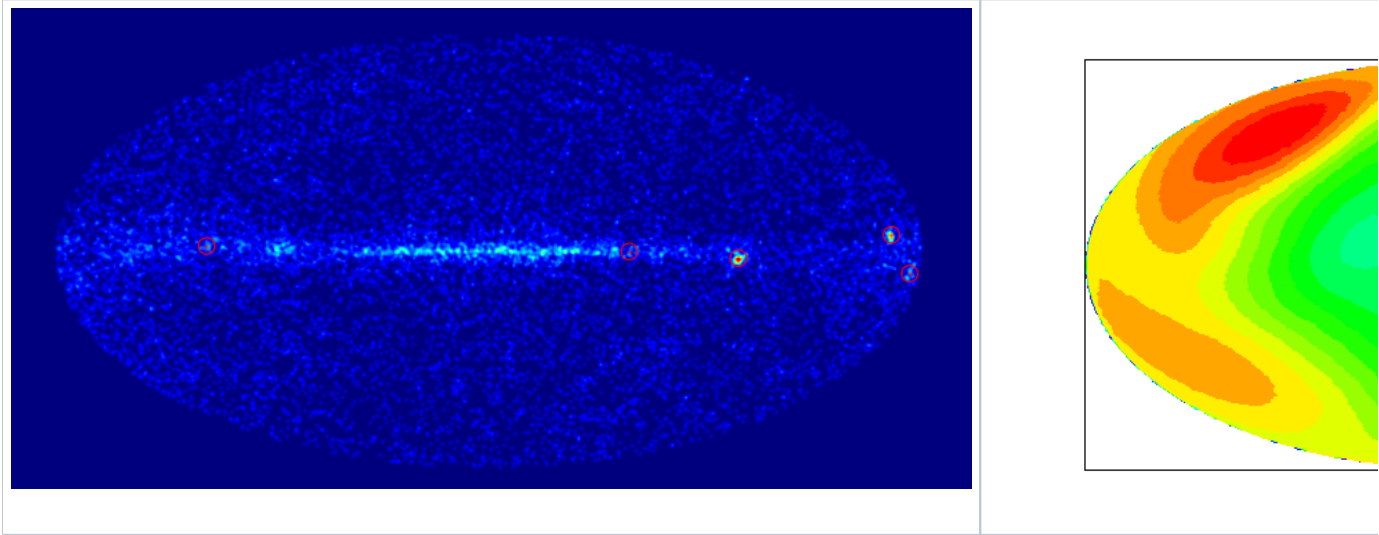


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	index	index err	comment
3C454.3	343.555	16.1959	86.2097	-38.1782		108	48	1.81	0.38	2.78	0.23	

ASPJ092033p443709	140.111	44.6386	175.79 5	44.726		7	5	0.19	0.13	2.54	0.61	EMS0619 - CRATES J092058+444144
ASPJ125604m065043	194.075	-6.1825	305.13 1	56.6685		31	12	0.50	0.26	2.19	0.36	3C 279
ASPJ150345p102405	226.258	10.7483	11.892 3	54.5891		20	8	0.31	0.17	2.09	0.38	EMS0969 - PKS 1502+106
ASPJ192440m292016	291.165	-29.3379	9.2329 1	-19.602		19	12	0.41	0.22	2.12	0.34	EMS1299 - BZCAT BZQ J1924-2914
ASPJ205731m471323	313.851	-48.0691	351.52 1	-40.199 9		27	18	0.75	0.29	2.84	0.45	EM1413 - PKS 2052-47
BM_3C66A	35.682	43.0847	140.13 7	-16.716 6		36	21	0.65	0.25	2.39	0.31	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ101714m590136	156.081	-58.7145	284.81 4	-1.1173 5		20	31	1.48	0.54	2.39	0.28	EMS0667
ASPJ170900m444500	257.316	-44.3002	343.19 9	-2.5110 1		78	71	2.69	0.66	2.21	0.17	PSR J1709- 4429
ASPJ183323p602605	278.831	59.6239	89.065 6	25.151		101	31	0.76	0.19	1.98	0.17	PSR J1836+5925
ASPJ202214p402203	305.36	40.4374	78.211 9	2.09321		86	74	2.09	0.52	2.18	0.16	PSR J2021+4026
CrabPulsar	83.6663	21.9127	184.66	-5.8128 1		167	88	2.58	0.44	2.28	0.14	
Geminga	98.4461	17.7322	195.15 5	4.22341		985	244	6.36	0.55	2.03	0.06	
VelaPulsar	128.819	-45.1689	263.53 9	-2.7925		1284	358	13.33	0.93	2.06	0.05	

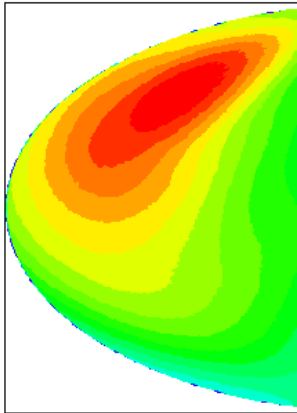
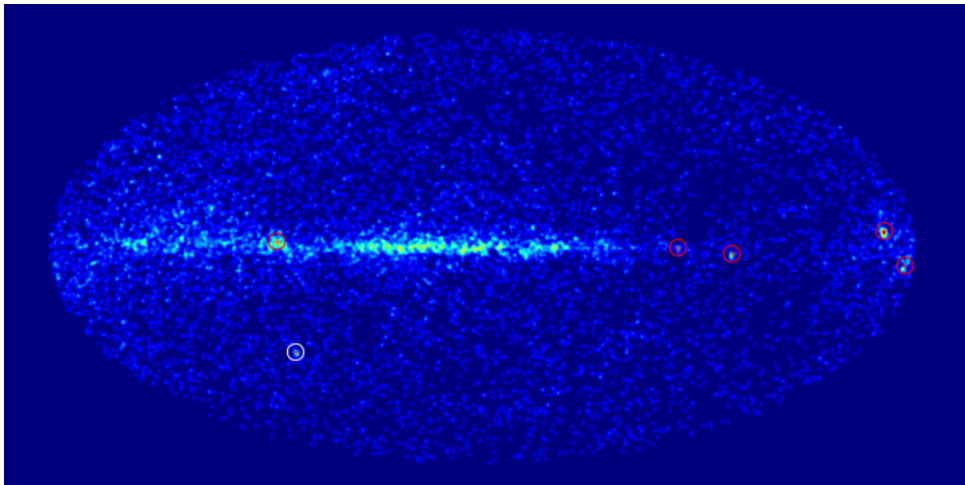
Six hours run (n. 1665)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	T S	Npre d	Flux** *	Flux err	inde x	index err	commen t
-----------------------	------------	-------------	---	---	-------------	--------	-----------	-------------	-------------	-----------	--------------	-------------

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	index err	comment
ASPJ053028p211725	83.3423	21.2409	185.06 9	-6.42704		23	20	1.95	0.72	2.17	0.29	PSR J0534+2200 / PSR B0505+21
ASPJ132532m635614	201.525	-63.2077	306.82 6	-0.59836 1		10	6	0.72	0.55	1.73	0.35	PSR J1324-6302
ASPJ225937p604409	343.678	61.0289	109.26 8	1.29245		9	12	1.79	0.91	2.99	0.62	PSR J2302+6028
Geminga	98.414	17.8041	195.07 7	4.22903		267	68	6.02	0.97	2.01	0.11	
VelaPulsar	128.825	-45.2617	263.61 6	-2.84459		380	103	15.30	1.96	2.12	0.10	

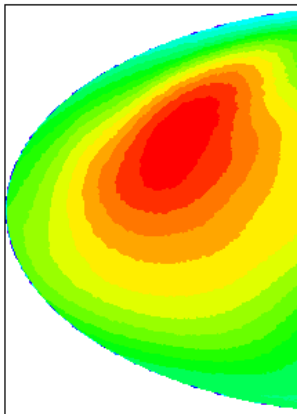
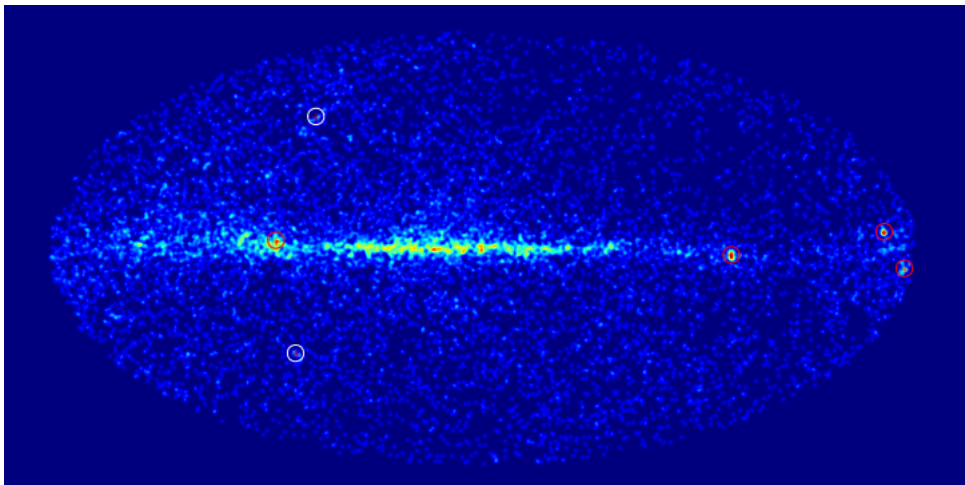
Six hours run (n. 1666)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ224900p164500	343.166	16.2734	85.8706	-37.9061		43	15	2.74	0.93	2.73	0.36	3C 454.3

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ053216p230319	83.9379	22.4746	184.318	-5.29995		29	18	3.57	1.23	2.95	0.46	PSR J0534+2200
ASPJ102307m581313	157.207	-58.4384	285.168	-0.573769		20	10	4.71	2.31	2.22	0.37	EMS0667
ASPJ201908p392252	305.65	39.8241	77.8336	1.56206		22	27	3.95	1.31	2.74	0.37	PSR J2021+4026
Geminga	98.4192	17.7027	195.17	4.18715		261	59	7.36	1.27	2.02	0.12	
VelaPulsar	128.914	-45.0977	263.522	-2.69596		65	16	8.78	2.90	1.91	0.21	

Six hours run (n. 1667)

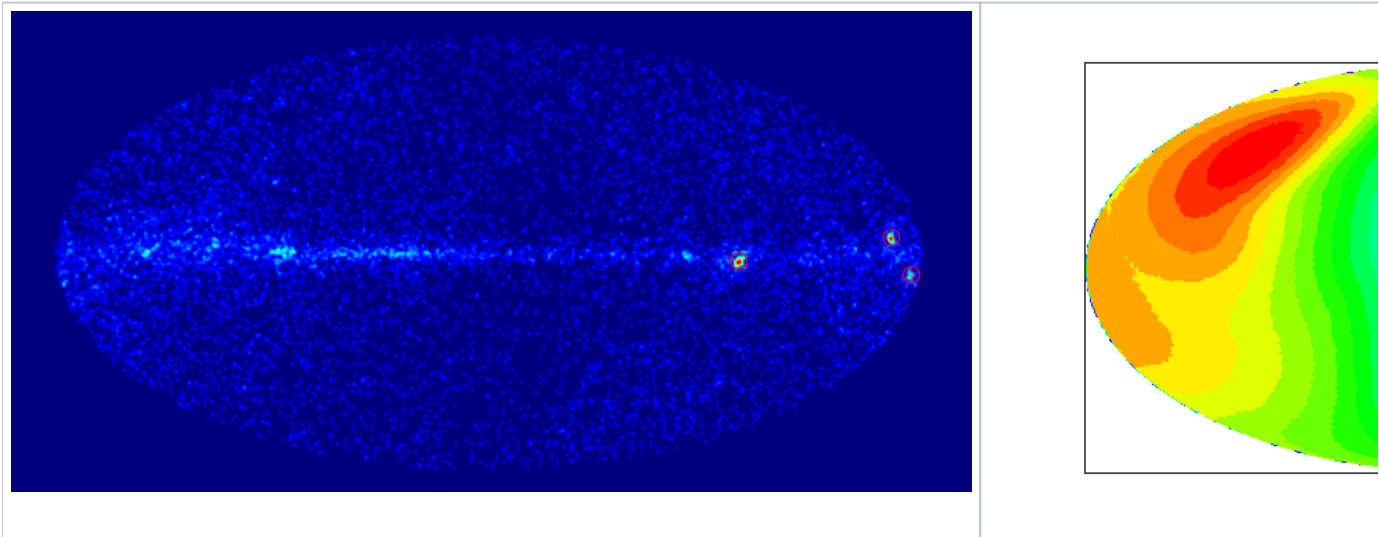


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
3C454.3	343.25	16.25	85.9392	-37.9707		22	11	2.49	1.08	3.40	0.76	
ASPJ155100p551500	237.75	55.25	86.6063	47.2271		14	8	1.54	0.86	3.17	0.64	Unknown

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
------------------	------------	-------------	---	---	--------	-----	--------	--------	----------	--------	-----------	---------

ASPJ201550p405426	305.126	40.5653	78.216	2.31261		53	24	1.70	0.63	1.79	0.19	PSR J2021+4026
CrabPulsar	83.5424	22.108	184.433	-5.80524		31	17	2.56	0.93	2.25	0.29	
Geminga	98.5101	17.6888	195.222	4.25786		193	41	5.89	1.22	1.97	0.14	
VelaPulsar	128.985	-45.2067	263.639	-2.72155		182	53	11.70	2.20	2.06	0.14	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?&process_id=271447200&dataSourceMode=Prod1668)



Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	T S	Npre d	Flux**	Flux err	inde x	index err	comment
-----------------------	------------	-------------	---	---	--------	-----	--------	--------	----------	--------	-----------	---------

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta*	TS	Npre d	Flux**	Flux err	inde x	index err	comment
ASPJ053216p230319	83.4179	22.1579	184.328	-5.87581		71	32	2.99	0.80	2.21	0.20	PSR J0534+2200
Geminga	98.5135	17.7905	195.132	4.30713		316	79	6.52	1.00	2.03	0.11	
VelaPulsar	128.758	-45.0496	263.417	-2.75523		354	105	12.10	1.56	1.97	0.09	

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