FA-GSW Report DOY 228 (August 16, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: DOY 228 (August 16, 2009)

On Duty Flare Advocates:

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

Highlights

Extragalactic Science

- 1633-382 at 0.69 +/- 0.27
- PKS 0716+714 at 0.46 +/- 0.19
- ASPJ122830p000730 at 1.45 +/- 0.80 associated with CRATES J122432+001337
- Unknown source ASPJ190520m381214 at 0.79 +/- 0.50

Galactic Science

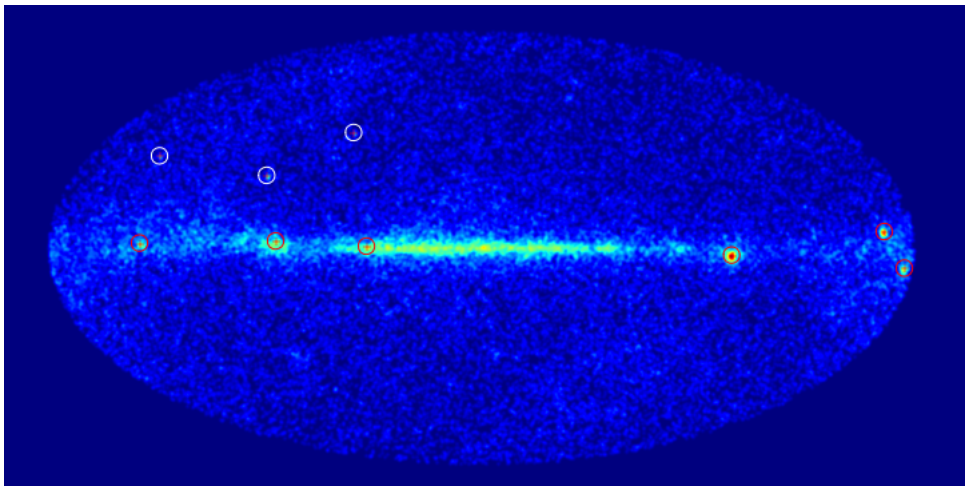
- LSI+61303 at 2.12 +/- 0.43
- PSR J0534+2200 at 3.70 +/- 1.33
- ASPJ180300m224500 at 2.69 +/- 1.43 associated with TeV w28
- ASPJ182318m145229 at 4.14 +/- 1.66 associated with ASO0405
- PSR J1144-6146 at 3.28 +/- 1.43
- PSR J1709-4429 at 4.40 +/- 1.79
- Detection of PSR J1836+5925, PSR J2021+4026
- Detection of CrabPulsar, Geminga, VelaPulsar

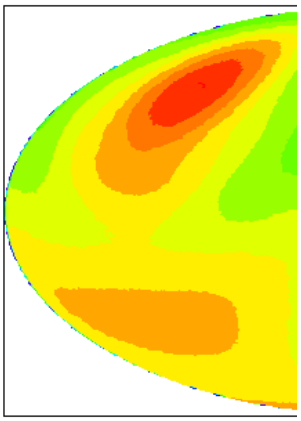
Technical notes

- 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. 418)

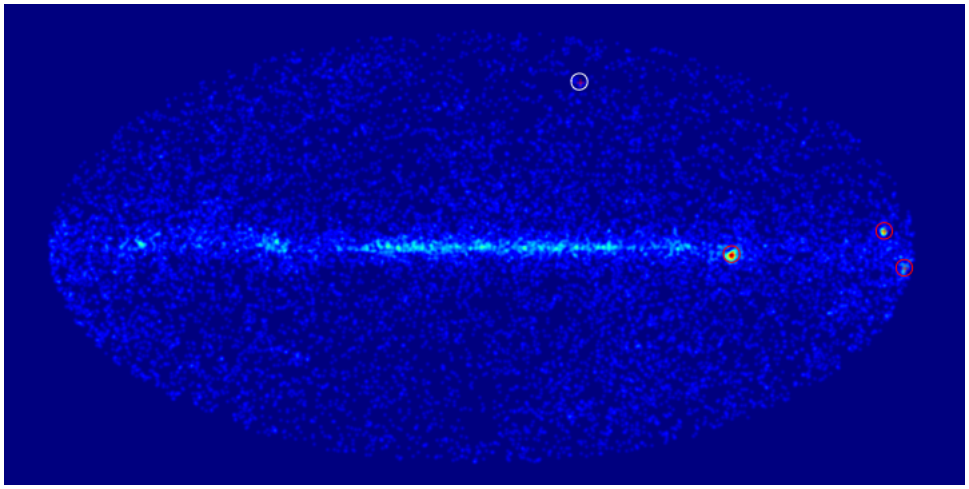


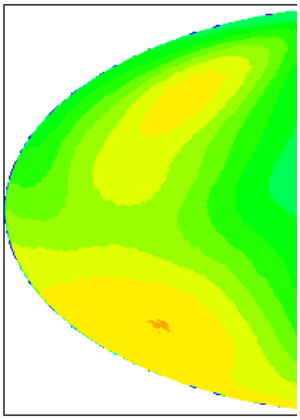


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
1633p382	248.816	38.2181	61.1984	42.3407		34	17	0.69	0.27	2.64	0.38	
PKS0716p714	111.189	71.5763	143.725	28.2527		26	15	0.46	0.19	2.42	0.35	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ023300p614500	39.7606	61.4286	135.432	1.19608		89	70	2.12	0.43	2.38	0.17	LSI+61303
ASPJ183525p591857	279.044	59.4494	88.9002	25.0106		165	36	0.77	0.18	1.82	0.14	PSR J1836+5925
ASPJ190711p093410	287.321	9.1769	43.1245	0.250646		21	29	0.81	0.45	1.99	0.26	EMS1284 - SNR G43.3-0.2
ASPJ202138p413136	305.516	40.5602	78.3804	2.06561		63	69	1.99	0.48	2.20	0.16	PSR J2021+4026
CrabPulsar	83.6329	22.1139	184.473	-5.73129		284	121	3.54	0.52	2.23	0.11	
Geminga	98.5269	17.75	195.174	4.30002		823	203	5.17	0.49	1.94	0.06	
VelaPulsar	128.798	-45.1697	263.531	-2.8045		1400	401	12.69	0.84	2.09	0.05	

Six hours run (n. 1669)

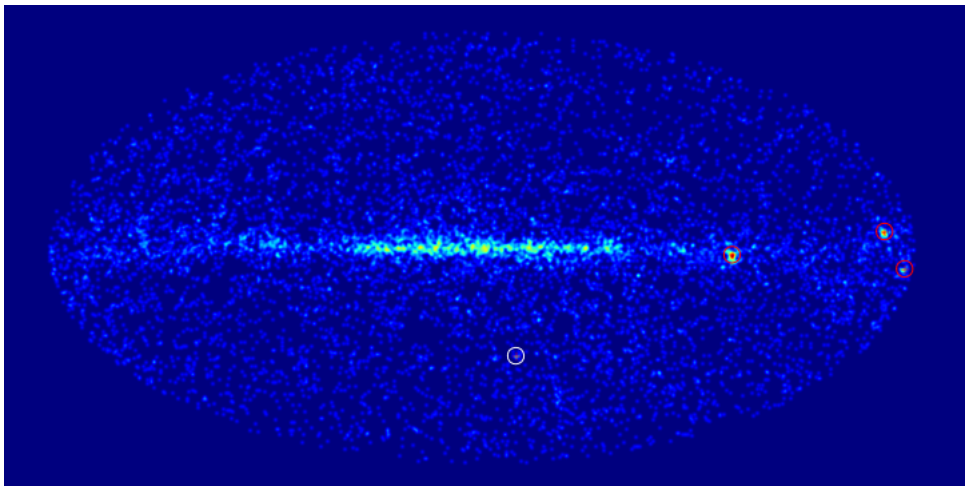


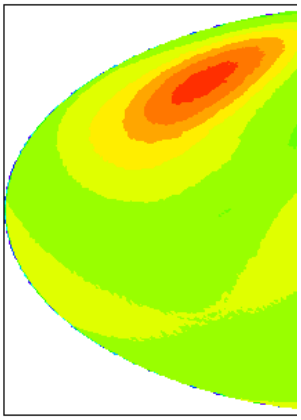


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ122830p000730	186.79	0.3036	289.672	62.5486		13	6	1.45	0.80	2.82	0.61	CRATES J122432+001337

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
CrabPulsar	83.4481	22.0463	184.438	-5.91209		52	31	4.58	1.39	2.71	0.29	
Geminga	98.4608	17.6554	195.23	4.20082		251	54	5.07	0.93	1.88	0.12	
VelaPulsar	128.819	-45.1763	263.545	-2.79698		560	145	11.80	1.28	2.02	0.08	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271404000&dataSourceMode=Prod1670)

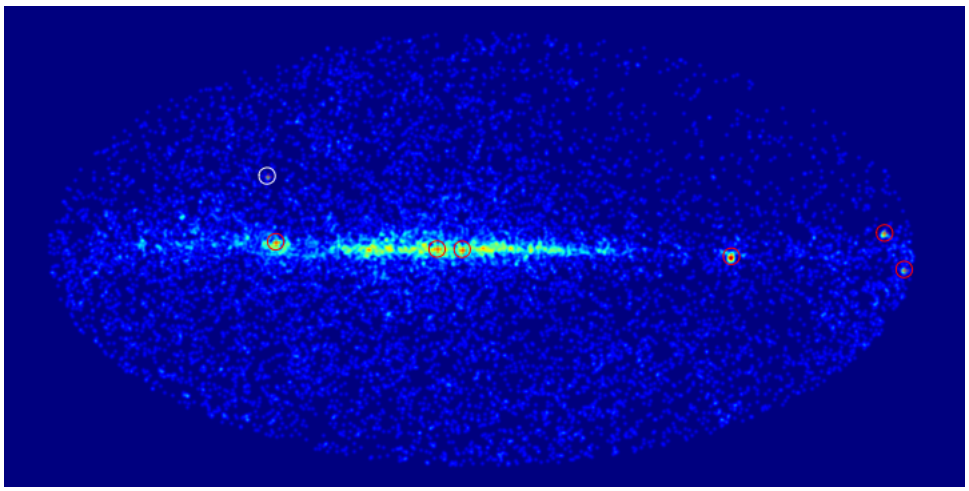


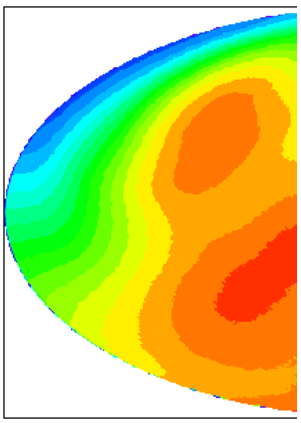


Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ210732m534146	316.883	-53.696	343.848	-41.476		0	0	0.00	0.02	2.60	145.37	

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ053216p230319	83.3521	22.1804	184.276	-5.91512		48	20	3.70	1.33	2.17	0.26	PSR J0534+2200
Geminga	98.4771	17.8687	195.047	4.31196		143	38	6.02	1.29	1.95	0.14	
VelaPulsar	128.804	-44.9488	263.356	-2.66887		122	44	8.03	1.66	2.17	0.16	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?process_id=271425600&dataSourceMode=Prod1671)



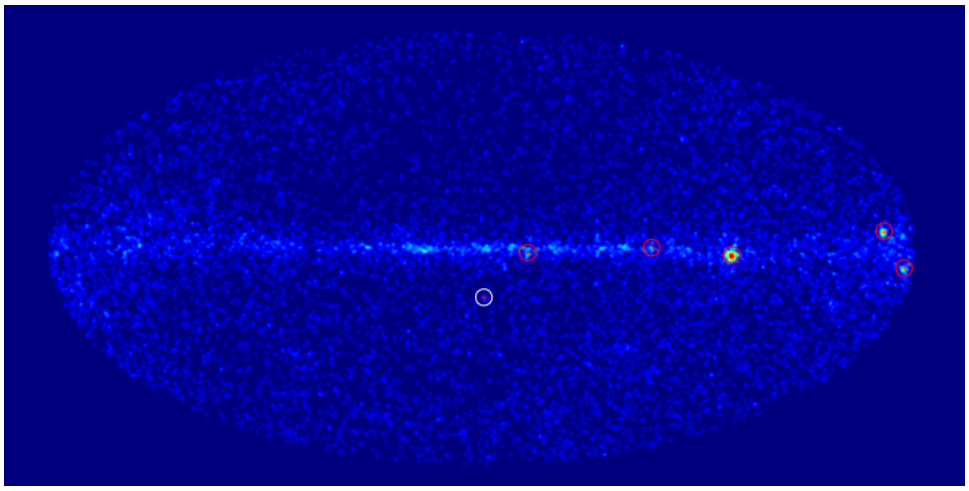


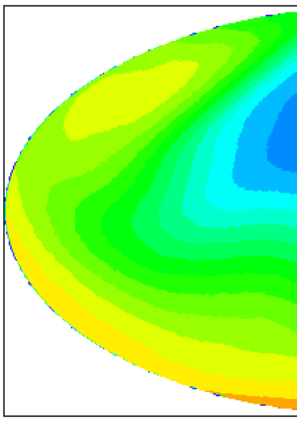
Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ180300m224500	270.923	-23.0801	7.10367	-0.53897		6	19	2.69	1.43	2.79	0.55	ASO0395 - TeV w28
ASPJ182318m145229	275.606	-14.7867	16.5034	-0.442755		22	34	4.14	1.66	2.60	0.33	ASO0405
ASPJ183525p591857	278.684	59.426	88.8351	25.1853		64	11	0.68	0.25	1.59	0.20	PSR J1836+5925

ASPJ202138p413136	305.392	40.5462	78.3152	2.13517		32	29	2.69	0.94	2.20	0.24	PSR J2021+4026
CrabPulsar	83.5938	22.0267	184.527	-5.80858		47	18	3.59	1.32	2.25	0.28	
Geminga	98.3416	17.8193	195.032	4.17465		123	28	5.73	1.48	1.93	0.17	
VelaPulsar	128.783	-45.2709	263.605	-2.87362		247	66	16.91	2.81	2.06	0.12	

Six hours run (n. http://glast-ground.slac.stanford.edu/ASPDataViewer/pgwave.jsp?&process_id=271447200&dataSourceMode=Prod1672)





Extragalactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ190520m381214	286.333	-38.2039	358.95	-18.9284		11	4	0.79	0.50	2.11	0.47	Unknown

Galactic sources	RA (J2000)	DEC (J2000)	L	B	Delta**	TS	Npred	Flux***	Flux err	index	index err	comment
ASPJ114702m621555	176.76	-62.2653	295.517	-0.324248		20	19	3.28	1.43	2.46	0.35	PSR J1144-6146
ASPJ170452m452617	256.457	-44.5093	342.664	-2.14519		20	17	4.40	1.79	2.27	0.31	PSR J1709-4429
CrabPulsar	83.738	21.9786	184.64	-5.72138		90	34	3.06	0.84	2.08	0.19	
Geminga	98.6758	17.7802	195.212	4.44		223	59	4.77	0.84	1.93	0.12	
VelaPulsar	128.816	-45.1066	263.488	-2.75651		553	160	16.50	1.69	2.16	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