

FA-GSW Weekly Report, Week 63 (August 31 - September 7, 2009)

Flare-Advocate/Gamma-ray-Sky-Watcher report: ASP Week 63 (August 31 - September 7, 2009)

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Highlights

Extragalactic Science

3C454.3 is detected in a flaring state with a flux of 2.89 ± 0.18 .

1633+382, BLLac and 3C279 show an increasing trend in the weekly time scale.

3C273 and PKS2155-304 show a decreasing trend in the weekly time scale.

Detected 3C66A, 1RXS J074239.4+54442 PKS1502+106, B2 1520+31, B2 2023+33, OV-236, PKS0716+714, TXS0529+483 and MKN421.

GRB 090902B is detected in the weekly time scale.

Galactic Science

Detected Vela, Crab and Geminga.

Detected PSRJ1020-5921, PSRJ0007+7303, PSRJ1708-4522, PSRJ1804-2228, PSRJ2021+3651 and PSRJ2021+4026

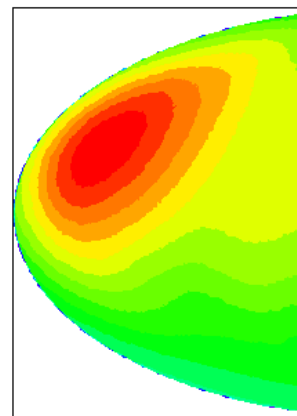


Technical notes

- 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:

Weekly Run (n. 00063)



SRC	RA (J2000)	DEC (J2000)	L	B	Delta* *	TS	Npre d	Flux** *	Flux err	inde x	inde x err	comment
1633p382	248.777	38.2255	61.205 6	42.3724		652	249	1.04	0.10	2.35	0.08	
3C273	187.229	2.1119	289.81 2	64.4084		232	153	1.25	0.17	3.04	0.15	
3C279	194.109	-5.7875	305.21 9	57.062		235	142	0.84	0.12	2.54	0.12	
3C454.3	343.503	16.135	86.114 6	-38.2016		1528	517	2.89	0.18	2.47	0.06	

ASPJ000659p725318	1.9764	73.0658	119.72 6	10.4656		279	159	0.49	0.07	2.00	0.09	PSR J0007+7303
ASPJ021857p421624	35.6001	42.9746	140.12	-16.8408		125	75	0.29	0.07	2.14	0.16	3C66A
ASPJ023300p614500	40.0582	61.2638	135.62 9	1.10316		223	270	1.24	0.15	2.55	0.11	
ASPJ051659p453437	79.2204	45.5246	162.99 6	4.32129		79	89	0.41	0.10	2.28	0.16	
ASPJ074034p543435	115.496	54.7114	163.05 7	28.9913		31	38	0.18	0.08	2.62	0.34	1RXS J074239.4+54442
ASPJ101714m59013 6	155.671	-58.4463	284.49	-1.00524		113	260	1.37	0.19	2.48	0.11	PSR -J1020-5921
ASPJ102307m58131 3	156.024	-58.3235	284.58	-0.802488		121	268	1.41	0.20	2.47	0.11	(HC) 0FGLJ1024.0- 5754 (HC) 0FGLJ1028.6- 5817 (HC) 0FGLJ1018.2- 5858
ASPJ104008m60223 0	161.352	-59.7978	287.68 8	-0.709387		92	221	1.27	0.21	2.73	0.15	
ASPJ104120m59132 8	161.594	-58.5706	287.22 9	0.435405		63	181	1.01	0.20	2.65	0.18	
ASPJ111128m61062 2	168.074	-61.2458	291.29 7	-0.633906		18	73	0.31	0.16	2.17	0.27	UL
ASPJ143916p372023	219.972	37.0898	63.293 2	65.082		47	27	0.09	0.03	1.93	0.20	BZUJ1440+3707
ASPJ150345p102405	226.014	10.3928	11.151 9	54.6003		286	146	0.67	0.09	2.44	0.11	PKS1502+106
ASPJ152111p314420	230.589	31.6725	50.047 4	56.9806		48	49	0.23	0.07	2.44	0.23	B2 1520+31
ASPJ170900m44450 0	257.382	-44.4508	343.10 6	-2.63866		687	597	2.00	0.17	2.19	0.06	PSR -J1708-4522
ASPJ171300m38450 0	258.761	-38.5335	348.49 9	0.011294		0	0	0.00	0.01	4.95	0.49	
ASPJ172451p400154	260.959	40.1271	64.945 5	33.209		63	42	0.14	0.04	2.03	0.19	B21724+39 S41722+401
ASPJ173947p271752	264.941	27.3041	51.474 4	26.9023		486	175	0.61	0.07	2.05	0.08	GRB!!
ASPJ174500m29150 0	266.403	-29.0208	359.92 7	-0.042678 4		196	569	2.07	0.23	2.43	0.08	PSR -J1741-2945 ? PSR -J1747-2958?
ASPJ175843m24191 4	270.181	-23.4775	6.4219	-0.143268		146	474	1.78	0.23	2.49	0.10	PSR -B1757-23
ASPJ180207m39190 6	270.699	-39.6396	352.48 5	-8.42553		355	229	0.74	0.09	2.15	0.08	(HC) 0FGLJ1802.6- 3939
ASPJ180727m22363 5	272.262	-23.478	7.3565 2	-1.80738		125	298	1.05	0.18	2.35	0.11	PSR -J1804-2228
ASPJ181405m12274 4	273.76	-13.0889	17.151 7	1.93916		44	163	0.62	0.16	2.44	0.17	
ASPJ182300m13450 0	276.385	-13.0912	18.355 8	-0.317399		45	219	0.77	0.20	2.28	0.15	PSR -B1823-13 ? PSR -B1820-14 ? PSR -J1822-1252?
ASPJ183525p591857	279.043	59.4559	88.907 1	25.0127		846	261	0.76	0.07	1.95	0.06	(HC) 0FGLJ1836. 2+5924
ASPJ185300p011500	283.92	1.2882	34.561 9	-0.356121		109	338	1.35	0.22	2.33	0.10	(HC) 0FGLJ1855. 9+0126
ASPJ192440m29201 6	291.253	-29.1184	9.4796 1	-19.5956		93	76	0.25	0.06	2.16	0.16	OV-236
ASPJ202051p340720	306.28	33.7391	73.140 2	-2.34471		72	153	0.67	0.16	2.42	0.16	B2 2023+33
ASPJ202124p365447	305.246	36.8696	75.224 7	0.139134		189	351	1.53	0.21	2.41	0.10	PSR -J2021+3651
ASPJ202214p402203	305.452	40.4918	78.296 3	2.06677		485	588	2.39	0.21	2.32	0.06	PSRJ2021+4026
ASPJ202300m07450 0	306.376	-7.4944	36.978 3	-24.3029		308	147	0.61	0.08	2.23	0.10	PKS2022-077
ASPJ205731m47132 3	313.922	-47.3043	352.52	-40.2802		408	181	0.67	0.08	2.19	0.09	PKS2052-47
ASPJ222700p601500	337.291	61.1912	106.63 2	2.90559		102	144	0.50	0.10	2.22	0.12	
ASPJ232500m49150 0	352.404	-49.6685	332.3	-62.5346		77	54	0.25	0.06	2.33	0.20	PKS2326-502
BLLac	330.665	42.3892	92.649 2	-10.3458		47	68	0.33	0.09	2.60	0.22	
BM_4C21_35	185.749	21.0916	254.35 3	81.1404		24	26	0.14	0.06	2.23	0.27	
BM_TXS0529p483	83.375	48.375	162.18 7	8.25991		27	42	0.18	0.08	2.23	0.27	
CrabPulsar	83.6171	22.0635	184.50 8	-5.77064		1020	447	2.11	0.15	2.13	0.05	
Geminga	98.5128	17.788	195.13 4	4.3054		4739	1119	4.80	0.19	1.91	0.03	
J123939p044409	189.868	4.9038	295.09 3	67.5933		102	83	0.55	0.12	2.62	0.19	
Mrk421	165.939	38.139	180.09	64.923		129	51	0.19	0.04	1.89	0.14	

PKS0716p714	110.505	71.3855	143.93 4	28.0296		340	142	0.50	0.07	2.18	0.10	
PKS2155m304	329.69	-30.1682	17.819 4	-52.216		215	64	0.21	0.05	1.79	0.12	
VelaPulsar	128.849	-45.1801	263.56	-2.78198		9092	2467	12.80	0.35	2.01	0.02	

* Results are obtained with unbinned likelihood and P6_V3_DIFFUSE irfs.

** Distance in arc min from ASDC tools

*** $F(E>100\text{MeV}) \times 10^{-6} \text{ ph cm}^{-2} \text{ s}^{-1}$