

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 3944

Konkoly Observatory
Budapest
19 October 1993
HU ISSN 0324 - 0676

Improved Positions of Southern NSV Stars. I

Following with a program conducted to improve the coordinates of southern confirmed and suspected variable stars, improved positions for New Suspected Variable (NSV) stars are herein presented.

Each of the stars presented in this note has been identified on the first-epoch plates of the SPM (van Altena *et al.* 1990) project. The x , y measurements were transformed into celestial coordinates using an average of 37 SRS stars kindly supplied by the late Dr. Clayton Smith of the US Naval Observatory. The average standard error of the transformation is 0.7" in both RA and Dec. More details can be found in Lopez and Girard (1990).

Table I lists the newly determined positions. The first column gives the NSV number; the second and third provide the RA and Dec (equinox B1950.0), respectively; the fourth column is the epoch of observation (given as epoch *minus* 1900); the last two columns list the differences between our new positions and those quoted in the NSV catalogue in minutes of time in RA and arc minutes in Dec. The differences are in the sense new position *minus* NSV coordinates.

The 96 objects listed in Table I added to the 368 already reported by Lopez and Girard (1990), bring to 464 the total number of NSV stars for which we have been able to improve their positions.

Carlos E. Lopez and Hector S. Lopez
Felix Aguilar and Yale Southern Obs.
Benavidez 8175 (oeste) - 5413 Chimbas
E-mail: celopez@unsjfa.edu.ar
San Juan - Argentina

References:

- Lopez, C.E., and Girard, T.M. 1990. Publ. Astron. Soc. of the Pacific 102, 1018.
- van Altena, W.F., Girard, T.M., Lopez, C.E., Lopez, J.A., and Molina, E.A. 1990 in *IAU Symposium 141, Inertial Coordinate System on the Sky*, ed. J.H. Lieske and V.K. Abalakin (Dordrecht: Kluwer), p. 419.

TABLE I
Improved Positions of Southern NSV Stars

Star	RA (1950.0)			Dec			Epoch	Δ RA	Δ Dec
	h	m	s	°	'	"			
07593	16	14	16.26	-57	1	45.3	69.38	-0.012	+0.345
07643	16	18	11.24	-57	39	33.5	69.38	-0.046	+0.442
07671	16	19	54.14	-55	47	50.7	69.38	-0.014	+0.054
07729	16	24	21.73	-59	39	18.7	69.37	-0.005	+0.188
07783	16	28	21.48	-58	58	59.8	69.37	+0.008	-0.297
07827	16	31	26.11	-60	26	8.2	69.37	+0.002	+0.163
07833	16	32	8.40	-55	33	33.9	69.38	-0.027	+0.635
07853	16	33	47.00	-59	38	38.5	69.37	0.000	-0.142
07886	16	37	4.84	-55	17	9.9	69.38	+0.031	+0.335
07921	16	40	7.23	-57	45	50.9	69.38	+0.004	-0.449
07959	16	44	12.99	-58	55	57.0	69.37	+0.016	-0.249
07953	16	44	52.40	-55	12	39.9	69.79	-0.010	+0.334
07975	16	46	4.39	-56	41	47.3	69.79	-0.010	+0.012
07988	16	47	34.30	-54	47	45.6	69.79	-0.062	+0.339
08002	16	49	4.75	-61	19	1.7	69.37	+0.013	-0.029
08007	16	49	26.00	-57	13	38.3	69.65	-0.017	+0.661
08008	16	49	27.30	-56	22	38.1	69.79	-0.012	+0.266
08013	16	50	15.84	-59	22	41.4	69.37	+0.014	-0.090
08025	16	50	49.39	-57	12	36.5	69.38	-0.010	-0.409
08043	16	52	4.20	-55	50	57.5	69.79	+0.003	+0.241
08049	16	52	32.55	-60	19	36.6	69.37	+0.026	+0.290
08050	16	52	35.46	-60	25	3.5	69.37	+0.024	+0.442
08053	16	52	44.74	-61	46	59.0	69.37	-0.004	+0.017
08054	16	52	56.83	-57	59	26.0	69.65	+0.014	-0.533
08074	16	55	16.48	-53	35	0.8	70.19	-0.042	+0.287
08080	16	55	49.22	-56	35	41.4	70.19	-0.046	-0.089
08083	16	56	9.27	-57	21	4.6	69.37	-0.062	-0.376
08089	16	57	0.53	-61	55	13.4	69.37	+0.009	+0.177
08105	16	57	52.72	-61	1	4.7	69.37	+0.012	+0.621
08109	16	58	12.15	-59	26	33.3	69.37	-0.031	+0.045

TABLE I (cont.)

Star	RA (1950.0)			Dec			Epoch	Δ RA	Δ Dec
	h	m	s	°	'	"			
08118	16	59	3.14	-59	25	22.0	69.37	-0.031	+0.033
08120	16	59	9.00	-61	26	3.3	69.37	+0.017	+0.545
08125	16	59	17.01	-63	20	22.9	66.54	-0.033	+0.318
08130	16	59	22.27	-54	48	10.1	70.19	-0.029	+0.032
08139	17	0	40.00	-59	28	15.4	69.37	-0.017	-0.057
08172	17	2	17.57	-57	38	50.1	69.78	+0.009	-0.335
08181	17	2	52.76	-55	34	19.0	70.19	-0.287	-0.217
08196	17	3	54.37	-55	27	58.6	70.19	-0.027	-0.377
08212	17	4	49.29	-62	26	17.4	69.37	+0.038	-0.089
08221	17	5	9.18	-57	40	52.0	69.78	-0.030	-0.267
08230	17	6	7.55	-58	1	28.3	69.78	+0.026	-0.372
08242	17	6	54.72	-60	1	29.2	69.37	-0.005	+0.014
08245	17	7	5.28	-60	10	57.7	69.37	+0.088	-0.061
08314	17	10	8.51	-63	8	32.5	66.54	-0.042	-0.242
08341	17	10	52.47	-56	57	24.2	69.78	+0.041	-0.504
08390	17	12	1.27	-55	8	11.8	70.19	-0.045	-0.096
08427	17	13	9.27	-61	34	50.8	69.37	-0.046	+0.254
08443	17	14	4.89	-55	6	33.0	70.19	-0.002	+0.150
08452	17	14	27.95	-57	43	22.0	69.37	-0.001	-0.167
08475	17	15	14.42	-56	28	8.4	69.37	-0.026	+0.261
08507	17	16	27.05	-56	7	48.1	69.37	-0.016	+0.298
08565	17	19	24.48	-63	59	6.4	66.54	-0.025	-0.007
08621	17	22	33.80	-44	49	32.2	69.63	-0.003	-0.137
08806	17	25	52.89	-51	51	25.3	69.08	-0.018	-0.122
08846	17	26	14.64	-51	35	48.5	69.08	-0.006	-0.009
09166	17	31	24.18	-48	39	9.9	68.55	+0.003	+0.135
09203	17	33	1.61	-63	40	14.7	68.35	-0.040	-0.144
09245	17	34	7.02	-42	29	19.9	69.63	+0.017	-0.032
09348	17	35	41.24	-52	36	26.0	68.55	+0.004	-0.134
09460	17	37	33.63	-65	52	46.4	68.35	-0.023	-0.273
09477	17	37	46.81	-64	35	24.9	68.35	-0.020	-0.016
09495	17	38	13.30	-45	32	47.9	69.63	+0.222	+0.201
09510	17	38	13.33	-45	32	48.9	69.63	+0.022	+0.086

TABLE I (cont.)

Star	RA (1950.0)			Dec			Epoch	Δ RA	Δ Dec
	h	m	s	°	'	"		m	'
09514	17	38	22.55	-49	0	56.7	68.55	+0.076	+0.255
09523	17	38	38.79	-49	54	18.1	68.55	-0.037	-0.401
09525	17	38	49.04	-51	50	50.5	68.55	+0.001	+0.158
09529	17	38	54.56	-66	8	54.2	68.35	-0.024	-0.203
09541	17	39	27.59	-47	19	51.1	69.09	+0.026	-0.152
09542	17	39	27.49	-52	20	22.3	68.55	-0.009	-0.172
09552	17	40	2.22	-47	17	1.7	69.09	+0.020	-0.028
09553	17	40	1.60	-49	4	14.3	68.55	+0.010	-0.039
09554	17	40	2.99	-48	28	42.1	68.55	0.000	-0.002
09556	17	40	10.97	-49	20	55.6	68.55	-0.034	-0.127
09560	17	40	12.10	-50	1	25.9	68.55	-0.082	-0.231
09575	17	40	37.22	-53	37	40.8	68.55	+0.004	-0.780
09578	17	40	42.17	-48	18	21.2	68.55	+0.019	-0.053
09611	17	41	50.07	-47	58	5.9	68.91	+0.018	-0.398
09616	17	41	53.26	-49	17	8.1	68.54	+0.004	+0.366
09647	17	43	9.69	-46	40	4.4	69.09	-0.005	-0.173
09649	17	43	18.31	-51	40	23.8	68.54	+0.005	+0.203
09650	17	43	19.16	-46	32	44.5	69.09	+0.003	+0.158
09651	17	43	22.07	-51	27	47.7	68.54	+0.035	-0.096
09652	17	43	24.42	-51	53	6.9	68.54	+0.024	-0.015
09662	17	43	45.87	-51	35	45.0	68.54	+0.014	+0.250
09677	17	44	33.49	-51	12	36.8	68.54	+0.008	+0.286
09680	17	44	38.56	-49	52	3.1	68.54	-0.007	+0.248
09685	17	44	52.32	-45	59	39.0	69.09	-0.011	-0.651
09695	17	45	19.91	-51	19	40.4	68.54	-0.001	+0.426
09701	17	45	38.44	-46	31	34.0	69.09	+0.041	+0.134
09718	17	46	21.57	-48	56	18.5	68.54	-0.007	+0.191
09746	17	47	29.68	-46	57	13.6	68.91	+0.011	-0.527
09758	17	48	4.96	-51	54	48.2	68.54	+0.016	-0.703
09761	17	48	9.27	-47	46	39.2	68.82	+0.005	-0.453
09763	17	48	22.38	-47	11	2.9	68.82	-0.044	-0.048
09770	17	48	50.52	-49	24	50.9	68.54	+0.042	+0.352
09771	17	48	47.76	-46	24	56.5	69.09	-0.021	-0.041