

ERRATUM: $uvby - \beta$ PHOTOELECTRIC PHOTOMETRY OF THE OPEN CLUSTER α PER

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RESUMEN

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ABSTRACT

Key Words: Keywords go here

In the Paper $uvby - \beta$ Photoelectric Photometry of the Open Cluster α Per Figure 4, “Calculated distance of α Per by HIP parallaxes and $uvby - \beta$ photometry” should be replaced by the following and Table 8, “Reddening, unreddened colors and membership in the cluster of the observed stars” should be replaced by the following Table. We thank Dr. Lambert (2009) for pointing out these inconsistencies.

REFERENCES

Lambert, D.L. (private communication)

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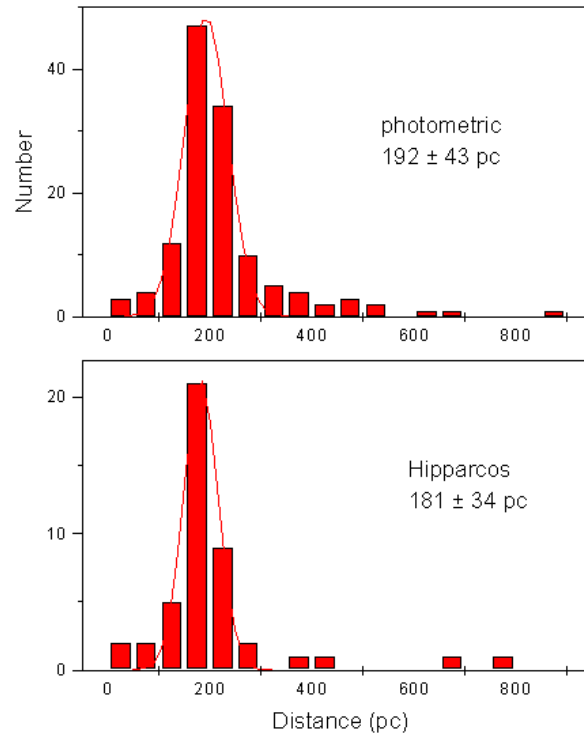


Fig. 1. ID chart from Webda with the observed stars shown

TABLE 1
 REDDENING, UNREDENED INDEXES AND DISTANCES FOR THE
 MEASURED STARS IN THE DIRECTION OF ALPHA PER

ID Webda	$E(b - y)$	$(b - y)_0$	m_0	c_0	β	V_0	M_V	DM	DST	[Fe/H]	BD	ID	Parallax HIP	dst mas	n
44	F	0.028	0.361	0.200	0.409	2.614	3.9	3.1	0.8	15	0.12	49 857	14632	94.93	1
497	F	0.000	0.313	0.189	0.471	2.647	6.0	2.8	3.2	44	0.23	48 893	15669	21.86	4
672	F	0.012	0.331	0.153	0.411	2.621	7.3	3.2	4.1	65	-0.32	50 755			
145	A	0.000	0.174	0.083	0.730	2.771	6.9	2.8	4.1	67		51 689	14845	5.30	1
823	F	0.000	0.345	0.170	0.429	2.615	7.6	2.9	4.7	88	-0.18	47 833			
1343	F	0.020	0.374	0.182	0.377	2.594	8.1	3.2	4.9	94	-0.23	50 800	17231	10.91	9
835	B	0.052	-0.071	0.104	0.392	2.712	4.4	-0.8	5.2	111		49 945	16244	5.84	1
1225	F	0.025	0.303	0.168	0.415	2.651	8.8	3.5	5.3	112	0.00	47 862	16915	6.67	1
1047	F	0.000	0.256	0.163	0.663	2.679	6.6	1.3	5.3	116	0.03	47 850	16570	10.64	9
557	B	0.058	-0.069	0.114	0.407	2.746	5.1	-0.3	5.4	119		48 899	15770	5.22	1
934	B	0.029	0.012	0.158	1.077	2.847	6.2	0.6	5.5	127		48 938	16424	6.97	1
295	B	0.117	-0.031	0.187	0.885	2.811	5.9	0.4	5.6	130		50 725	15193	7.90	1
622	F	0.169	0.331	0.292	0.254	2.664	10.9	5.3	5.6	131	1.59				
747	B	0.016	-0.035	0.143	0.844	2.892	6.8	1.2	5.6	132		49 755			
774	B	0.042	-0.070	0.109	0.399	2.705	4.8	-0.9	5.7	137		48 920	16147	5.72	1
911	B	0.130	-0.024	0.254	0.938	2.877	6.8	1.1	5.7	140		49 952	16394	6.74	1
798	F	0.063	0.250	0.210	0.666	2.692	7.3	1.5	5.8	145	0.65	49 941	16196	5.75	1
885	A	0.064	0.092	0.229	0.854	2.856	8.5	2.7	5.9	148		48 934	16318	4.63	2
1245	B	0.094	-0.028	0.141	0.915	2.826	6.4	0.5	5.9	151		48 963	16986	2.32	4
135	F	0.067	0.261	0.163	0.459	2.683	9.4	3.5	6.0	155	0.02	49 868	14853	7.43	1
904	B	0.039	-0.045	0.125	0.673	2.748	5.7	-0.3	6.0	157		47 844	16340	3.75	2
868	B	0.079	-0.030	0.180	0.893	2.858	6.9	0.9	6.0	161		48 933	16277	6.10	1
361	F	0.033	0.259	0.168	0.471	2.686	9.5	3.5	6.1	163	0.09	49 896			
917	F	0.077	0.375	0.199	0.287	2.606	10.7	4.6	6.1	164	0.04				
383	B	0.079	-0.077	0.100	0.346	2.681	4.8	-1.3	6.1	166		49 899	15404	6.18	1
104	F	0.020	0.221	0.157	0.642	2.712	8.5	2.4	6.1	166	-0.14	47 776			
378	F	0.025	0.217	0.196	0.698	2.717	8.2	2.0	6.1	169	0.43	46 727	15410	5.72	1
625	B	0.122	-0.028	0.165	0.914	2.866	7.1	1.0	6.1	169		47 817			
612	B	0.077	-0.019	0.184	0.972	2.911	7.5	1.4	6.2	171		48 906	15878	6.43	1
833	F	0.045	0.293	0.171	0.414	2.660	9.8	3.6	6.2	173	0.08				
799	F	0.042	0.270	0.152	0.464	2.673	9.5	3.3	6.2	173	-0.13	48 923			
365	F	0.056	0.289	0.150	0.424	2.657	9.7	3.5	6.2	175	-0.19	49 897	15363	7.04	1
632	F	0.039	0.273	0.169	0.461	2.674	9.6	3.3	6.2	175	0.09	46 745	15911	6.58	1
588	F	0.094	0.285	0.166	0.431	2.664	9.6	3.4	6.2	175	0.04	49 914			
490	F	0.050	0.244	0.166	0.523	2.696	9.4	3.2	6.2	176	0.04	48 892			
401	B	0.066	-0.072	0.102	0.390	2.673	4.7	-1.5	6.2	176		49 902	15444	6.78	1
93	F	0.096	0.373	0.204	0.295	2.609	10.7	4.5	6.2	176	0.11	49 863			
309	F	0.044	0.292	0.154	0.417	2.656	9.8	3.5	6.2	176	-0.14	49 889			
906	A	0.068	0.088	0.203	0.897	2.855	8.5	2.3	6.2	177		47 842			
890	A	0.063	0.184	0.208	0.747	2.755	8.5	2.3	6.2	177		49 950			
621	F	0.055	0.272	0.154	0.452	2.672	9.6	3.4	6.3	178	-0.10	47 816	15898	6.98	1
635	A	0.029	0.186	0.191	0.715	2.758	8.9	2.7	6.3	179		49 921			
441	B	0.067	-0.037	0.163	0.808	2.816	6.8	0.5	6.3	179		50 738	15531	6.11	1
575	B	0.098	-0.023	0.160	0.946	2.886	7.4	1.2	6.3	179		51 728	15814	5.91	1
423	A	0.000	0.079	0.125	1.008	2.854	7.6	1.4	6.3	180		48 886	15505	5.20	1
270	F	0.053	0.289	0.159	0.415	2.660	9.9	3.6	6.3	180	-0.06	48 871	15160	5.05	1
944	F	0.034	0.256	0.167	0.499	2.687	9.5	3.2	6.3	180	0.07	49 957			
1005	F	0.047	0.254	0.165	0.506	2.688	9.4	3.1	6.3	181	0.04				
606	A	0.039	0.168	0.190	0.757	2.775	8.8	2.5	6.3	181		48 905	15862	1.18	8
581	B	0.050	-0.038	0.145	0.789	2.812	6.8	0.5	6.3	183		48 903	15819	5.90	1
729	B	0.110	-0.025	0.160	0.938	2.863	7.3	0.9	6.3	184		47 826			
379	B	0.129	-0.018	0.204	0.973	2.886	7.5	1.2	6.3	185		50 736	15388	5.05	1
756	B	0.073	-0.023	0.205	0.950	2.902	7.6	1.3	6.3	185		47 830			
733	F	0.065	0.279	0.156	0.450	2.666	9.7	3.3	6.4	190	-0.08	48 916			
692	B	0.044	-0.028	0.159	0.915	2.859	7.3	0.9	6.4	191		47 821	16011	6.01	1
1259	B	0.048	-0.032	0.149	0.877	2.850	7.2	0.8	6.4	191		47 865	16966	4.45	2
151	A	0.037	0.176	0.177	0.756	2.765	8.8	2.4	6.4	192		47 780	14949	7.22	1
780	B	0.110	-0.019	0.197	0.970	2.891	7.6	1.2	6.4	193		49 938			
1082	B	0.071	-0.034	0.146	0.847	2.827	7.0	0.6	6.4	193		48 949	16649	3.59	2
875	B	0.093	-0.016	0.163	0.986	2.857	7.3	0.8	6.4	194		47 840	16275	5.30	1
876	F	0.025	0.326	0.209	0.450	2.643	9.4	3.0	6.4	194	0.43	47 839			
985	B	0.037	-0.076	0.123	0.353	2.691	5.3	-1.2	6.5	195		47 847	16470	5.57	1
831	B	0.044	-0.038	0.152	0.801	2.833	7.2	0.7	6.5	198		47 835			
268	F	0.025	0.327	0.116	0.430	2.605	9.1	2.6	6.5	198	-0.76	48 872			
715	F	0.040	0.281	0.152	0.469	2.663	9.6	3.1	6.5	200	-0.14				
705	B	0.133	-0.013	0.192	0.998	2.881	7.6	1.1	6.5	201					
775	B	0.099	-0.039	0.135	0.773	2.798	6.8	0.3	6.5	203		47 831	16137	6.07	1
817	B	0.080	-0.021	0.182	0.958	2.832	7.1	0.6	6.5	204		48 927	16211	5.86	1

TABLE 1 (CONTINUED)

ID Webda	$E(b-y)$	$(b-y)_0$	m_0	c_0	β	V_0	M_V	DM	DST	[Fe/H]	BD	ID	Parallax HIP	dst mas	n
861	B	0.171	-0.054	0.147	0.553	2.700	5.5	-1.1	6.6	204		46 760	16252	5.66	1
970	B	0.117	-0.031	0.238	0.887	2.881	7.7	1.1	6.6	206		48 944	16452	5.34	1
350	F	0.087	0.366	0.193	0.321	2.610	10.7	4.1	6.6	206	0.01				
639	B	0.076	-0.014	0.208	0.992	2.896	7.8	1.2	6.6	208		48 907			
481	A	0.073	0.176	0.179	0.757	2.763	8.9	2.3	6.6	208		47 808	15654	6.29	1
285	B	0.173	-0.022	0.197	0.954	2.845	7.4	0.7	6.6	211		47 792			
421	F	0.053	0.245	0.185	0.593	2.695	9.0	2.4	6.6	211	0.31	48 885	15862		
810	B	0.061	-0.060	0.118	0.494	2.685	5.3	-1.3	6.6	212		49 944	16210	5.89	1
721	A	0.123	0.210	0.195	0.661	2.730	9.1	2.5	6.6	213		47 825			
386	B	0.078	-0.011	0.183	1.007	2.869	7.6	1.0	6.6	213		49 900	15420	5.71	1
965	B	0.054	-0.047	0.129	0.646	2.750	6.4	-0.3	6.7	216		48 943	16450	4.90	2
1050	A	0.143	0.107	0.245	0.864	2.834	8.9	2.2	6.7	216		49 967	16625	0.97	1
1153	B	0.060	-0.047	0.127	0.643	2.763	6.6	-0.1	6.7	220		46 773	16782	4.56	2
501	A	0.005	0.193	0.226	0.729	2.747	9.1	2.4	6.7	220		48 894			
802	B	0.110	-0.022	0.229	0.955	2.893	7.9	1.2	6.7	221		48 924			
212	B	0.085	-0.035	0.138	0.842	2.784	6.8	0.1	6.7	222		49 876	15040	5.83	1
1056	B	0.109	-0.024	0.198	0.943	2.870	7.8	1.0	6.7	223		46 767	16574	5.01	2
1218	A	0.057	0.203	0.207	0.721	2.734	8.9	2.2	6.8	224		46 780	16885	1.26	7
333	B	0.097	-0.040	0.134	0.754	2.775	6.8	0.0	6.8	225		50 731	15259	4.37	2
694	B	0.123	-0.031	0.240	0.888	2.891	8.0	1.2	6.8	225		47 822			
609	A	0.103	0.181	0.182	0.768	2.755	8.8	2.0	6.8	226		49 918			
228	A	0.129	0.184	0.179	0.701	2.759	9.4	2.6	6.8	226					
958	A	0.033	0.205	0.199	0.709	2.733	9.1	2.3	6.8	227		49 958	16455	7.11	1
765	B	0.046	-0.039	0.133	0.782	2.765	6.6	-0.2	6.8	229		47 828	16079	5.55	1
931	B	0.170	-0.030	0.247	0.894	2.890	8.0	1.2	6.8	232		49 954	16426	3.97	2
220	A	0.032	0.176	0.197	0.781	2.762	9.0	2.1	6.9	239		48 865			
314	A	0.075	0.199	0.185	0.739	2.736	8.9	2.0	6.9	241		50 728			
878	B	0.176	-0.031	0.233	0.890	2.816	7.4	0.4	7.0	245		46 761			
836	F	0.039	0.328	0.202	0.512	2.637	9.0	2.0	7.0	247	0.31	47 836			
651	B	0.127	-0.019	0.216	0.969	2.862	7.9	0.9	7.0	247		48 909			
921	B	0.132	-0.029	0.230	0.908	2.875	8.1	1.1	7.0	251		49 953	16403	6.78	1
955	B	0.049	-0.044	0.137	0.693	2.742	6.6	-0.4	7.0	252		47 846	16430	4.55	2
61	B	0.254	-0.026	0.201	0.932	2.812	7.4	0.4	7.1	262		46 699	14734	3.61	2
167	B	0.101	-0.025	0.171	0.932	2.861	8.0	0.9	7.1	264		48 862	14980	5.94	1
522	B	0.222	-0.030	0.239	0.894	2.868	8.2	1.0	7.2	271		51 723	15717	6.25	1
367	F	0.019	0.227	0.197	0.716	2.708	8.8	1.6	7.2	272	0.46	48 879			
143	F	0.152	0.323	0.189	0.451	2.638	9.8	2.6	7.3	282	0.17	49 870			
675	B	0.032	-0.064	0.120	0.451	2.681	5.9	-1.4	7.3	286		48 913	15988	5.41	1
1260	B	0.172	-0.030	0.225	0.899	2.826	7.9	0.6	7.3	293		48 964	16995	5.01	2
472	B	0.088	-0.012	0.176	1.001	2.799	7.4	0.1	7.3	294		48 888			
954	B	0.132	-0.033	0.133	0.864	2.702	5.8	-1.6	7.4	302		48 942	16447	1.52	6
903	B	0.147	-0.040	0.159	0.764	2.714	6.4	-1.1	7.5	316		46 762	16326	1.31	7
665	B	0.206	-0.035	0.238	0.842	2.821	8.1	0.5	7.5	321		46 748	15971	12.35	8
976	B	0.114	-0.028	0.190	0.914	2.829	8.2	0.6	7.6	331		49 959			
1235	B	0.076	-0.054	0.125	0.556	2.716	6.9	-0.8	7.6	335		48 962	16962	4.05	2
261	A	0.000	0.199	0.114	0.830	2.725	8.9	1.1	7.8	360		49 883			
629	B	0.127	-0.029	0.155	0.904	2.788	7.9	0.0	7.8	369		46 744			
1090	B	0.169	-0.031	0.199	0.890	2.834	8.5	0.7	7.9	378		46 770	16652	4.00	2
601pp	B	0.040	-0.020	0.179	0.965	2.776	7.7	-0.2	7.9	384					
235	B	0.082	-0.037	0.142	0.816	2.751	7.6	-0.4	8.0	404		46 713	15105	3.25	3
12	F	0.152	0.198	0.057	0.757	2.716	9.4	1.2	8.2	438	-1.66	48 851			
341	B	0.105	-0.039	0.147	0.772	2.709	7.1	-1.2	8.3	450		46 722	15322	2.72	3
225	F	0.134	0.245	0.244	0.803	2.695	8.4	0.1	8.3	459	1.13	49 877			
956	B	0.090	-0.046	0.164	0.654	2.729	7.7	-0.6	8.3	466		48 941			
755	F	0.000	0.221	0.106	0.821	2.693	8.6	0.1	8.5	504	-0.78	47 829			
595	B	0.379	-0.029	0.239	0.906	2.790	8.7	0.1	8.7	540					
215	B	0.198	-0.027	0.182	0.920	2.739	8.2	-0.8	9.1	646		49 875	15044	5.05	1
208	B	0.151	-0.034	0.159	0.858	2.682	7.1	-2.1	9.2	688		47 786			
772	B	0.055	-0.070	0.114	0.398	2.585	4.8	-5.0	9.8	895					
291	F	0.000	0.276	0.108	0.766	2.639	9.0	-1.1	10.1	1055	-0.72	49 888			
601wbd	B	0.291	-0.083	0.102	0.301	2.597	10.2	-3.8	14.0	6319					