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UBVI imaging photometry of NGC 6231⋆

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Abstract. Key words: cluster: open – individual: NGC 6231 – stars: imaging – stars: luminosity function, mass function

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⋆ Based on observations collected at the University of Toronto Southern Observatory, Las Campanas, Chile

Table 1. Observed colors and magnitudes in NGC 6231

#	x	y	V	$B-V$	$U-B$	$V-I$	Rem	#	x	y	V	$B-V$	$U-B$	$V-I$	Rem
1	1169.3	945.1	5.43	0.24	-0.75	0.36	lm	55	204.2	541.6	11.50	0.46	-0.13	0.55	nm
2	973.6	800.2	6.06	0.14	-0.83	0.34	lm	56	808.6	1358.6	11.51	0.21	-0.04	0.39	nm
3	936.4	613.7	6.44	0.19	-0.73	0.44	lm	57	1120.1	1275.3	11.51	0.29	-0.42	–	lm
4	1126.6	1058.2	6.55	0.12	0.80	0.35	lm	58	376.2	112.9	11.52	0.29	-0.37	0.44	lm
5	742.7	838.5	6.67	0.10	-0.45	–	lm	59	901.8	826.3	11.53	0.23	-0.34	0.31	lm
6	593.8	742.9	7.51	0.23	-0.79	0.25	lm	60	804.9	965.0	11.55	0.25	-0.13	0.36	pm
7	1320.9	372.2	7.54	0.16	-0.75	0.24	lm	61	800.0	829.3	11.57	0.23	-0.34	0.37	lm
8	448.1	948.8	7.80	0.20	-0.73	0.31	lm,3	62	1095.9	982.6	11.63	0.28	-0.27	0.45	lm
9	898.4	666.4	7.86	0.17	-0.78	0.23	lm	63	1064.9	1453.6	11.63	0.23	-0.37	–	lm
10	1413.3	669.4	8.31	0.13	-0.73	0.19:	lm	64	1211.3	954.3	11.67	0.26	-0.26	0.45	lm
11	740.3	714.9	8.32	0.16	-0.67	0.32	lm,2	65	491.5	332.9	11.70	0.33	-0.36	0.46	lm
12	1055.0	593.5	8.74	0.15	-0.77	0.28	lm	66	696.0	746.1	11.72	0.25	-0.18	0.38	pm
13	877.1	717.5	8.78	0.13	-0.77	0.28::	lm,1	67	466.1	983.0	11.72	0.29	-0.07	0.37	nm
14	1206.7	388.4	9.08	0.16	-0.67	0.25	lm	68	431.2	552.9	11.75	0.41	-0.16	0.47	nm
15	1142.1	1067.6	9.28	0.16	-0.58	0.30	lm	69	1304.7	1170.9	11.75	0.24	-0.27	–	lm,1
16	942.6	877.3	9.32	0.16	-0.58	0.30	pm	70	520.9	933.3	11.79	0.27	-0.25	0.42	lm
17	991.0	905.2	9.45	0.13	-0.59	0.24	lm	71	546.3	703.2	11.81	0.24	-0.23	0.40	lm
18	1053.5	721.9	9.45	0.13	-0.66	0.21	lm	72	1071.7	769.3	11.82	0.16	-0.36	0.36	nm,1
19	1092.5	722.5	9.49	0.13	-0.66	0.21	lm,2	73	831.4	683.2	11.82	0.23	-0.31	0.38::	lm
20	1346.3	450.4	9.53	0.19	-0.63	0.30	lm,4	74	1457.6	712.5	11.83	0.06	-0.32	0.28	nm
21	1047.2	815.3	9.54	0.14	-0.69	0.23	lm	75	644.0	542.8	11.88	0.32	-0.20	0.49	lm
22	778.0	530.4	9.63	0.17	-0.72	0.31	lm,4	76	1303.3	960.6	11.91	0.18	-0.28	0.38	nm
23	182.9	782.8	9.66	0.21	-0.64	0.30	lm,4	77	588.2	1258.8	11.94	0.25	0.01	0.45	nm
24	359.1	705.6	9.74	0.23	-0.65	0.35	lm	78	775.8	1305.7	11.95	1.96	1.63	-0.11	
25	706.7	516.8	9.75	0.17	-0.59	0.41	lm,2	79	1478.6	703.4	11.95	0.08	-0.26	0.30	nm
26	1246.0	905.5	9.78	0.15	-0.58	0.27	lm,4	80	893.8	715.9	11.97	0.22	-0.20	0.47	lm
27	1051.5	605.9	9.89	0.16	-0.64	0.25	lm	81	747.6	712.4	12.00	-0.19	–	0.25	nm
28	356.7	266.5	9.89	0.23	-0.66	0.41	lm,4	82	353.3	826.7	12.02	0.31	-0.09	0.47	nm
29	1029.7	1419.7	9.90	0.21	-0.64	0.27	lm	83	1149.0	675.8	12.10	0.16	-0.21	0.39	nm
30	473.4	31.3	9.97	0.47	0.43	0.59	nm,2	84	638.2	558.0	12.11	0.25	-0.20	0.40	lm
31	581.6	751.9	10.00	0.16	-0.53	0.37	lm	85	75.1	627.8	12.14	0.35	-0.28	0.42	lm
32	1052.0	1450.3	10.04	0.20	-0.61	0.27	lm	86	1045	558.6	12.15	0.34	–	–	lm
33	1557.0	847.8	10.08	0.21	-0.53	0.26	lm	87	898.6	545.8	12.19	0.28	-0.23	0.33	lm
34	265.3	265.1	10.13	0.21	-0.64	0.37	lm	88	1006.3	502.3	12.19	0.44	-0.10	–	lm
35	951.6	781.0	10.17	0.16	-0.44	0.27	lm	89	1470.8	547.3	12.19	0.68	0.22:	0.82::	nm
36	837.8	794.3	10.19	0.21	-0.54	0.35	lm	90	1091.5	861.7	12.20	1.56	1.55	–	
37	1173.4	583.8	10.28	0.17	-0.60	0.29	lm,4	91	687.9	889.5	12.21	0.27	-0.21	0.40	lm
38	878.3	91.9	10.48:	0.15:	-0.55	0.62	lm,1	92	749.8	845.4	12.23	0.32:	–	0.81	lm
39	955.5	1019.5	10.58	0.17	-0.47	0.25::	lm	93	1264.0	728.1	12.28	0.24	-0.01	0.47	lm
40	825.2	678.0	10.76	0.17	-0.44	0.33	lm	94	164.0	71.1	12.30	0.31	-0.25	0.43	lm
41	1140.5	503.7	10.79	0.11	-0.62	0.27	nm,1	95	917.3	1135.6	12.33	0.22	-0.06	0.40	lm
43	786.7	863.8	11.00	0.19	-0.40	0.35	lm	96	1236.6	1078.5	12.35	0.41	0.10	0.68	nm
44	783.8	988.5	11.01	0.27	-0.49	0.31	lm	97	487.7	338.5	12.36	0.36	-0.15	0.51	lm
45	591.9	304.8	11.09	0.35	-0.28	0.49	nm	98	798.1	928.3	12.36	0.46	0.35	–	nm
46	932.0	772.2	11.10	0.18	-0.41	0.31	lm	99	957.2	618.8	12.37	0.04	-0.34:	0.44::	nm
47	425.0	990.5	11.10	0.28	–	0.33	lm	100	361.2	769.1	12.39	0.34	-0.21	0.42	lm
48	1479.2	549.3	11.13	0.09	-0.48	0.27	nm	101	592.1	538.8	12.42	0.41	0.15	0.57	nm
49	721.4	801.2	11.19	0.23	–	0.36	lm	102	1274.7	1287.3	12.43	1.18	0.77	1.31	
50	1381.3	1341.2	11.21	1.81	1.65	1.99	nm	103	591.2	1103.5	12.44	0.17	-0.05	0.39	nm
51	863.7	583.5	11.34	0.21	-0.4	0.31	lm	104	133.4	551.7	12.44	0.41	-0.10	0.54	lm
52	657.0	367.9	11.45	0.26	-0.39	0.43	lm	105	923.6	398.7	12.47	0.41	–	0.54	lm
53	1115.4	1067.9	11.45	-0.04	-0.38	0.35	nm	106	1212.3	1194.9	12.48	0.29	-0.22	0.40	lm
54	664.5	1325.4	11.48	0.18	-0.29	0.40	lm	107	1075.1	575.2	12.49	0.22	-0.20	–	lm

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
108	802.4	821.3	12.49	0.28	–	0.43::	lm	162	654.3	566.8	13.24	0.33	0.09	0.60	lm
109	1425.0	624.1	12.49	0.12	-0.06	0.35	nm	163	932.5	557.2	13.24	0.40	0.23	0.58::	lm
110	728.9	629.3	12.50	0.29	-0.15	0.47	lm	164	1277.0	1166.9	13.24	0.55	0.37	0.73	
112	731.8	202.6	12.53	0.38	-0.13	0.53	lm	165	715.6	900.3	13.26	0.31	0.13	0.47::	lm
113	856.9	1124	12.57	0.45	0.24	0.55	nm	166	844.2	617.8	13.27	0.33	–	–	lm,1
114	910.3	699.5	12.61	0.24	-0.08	0.46	lm	167	1421.7	735.5	13.28	0.26	0.34	0.39	lm
115	1544.8	476.2	12.61	1.49	1.20	1.43		168	1485.2	391.8	13.28	0.33	0.38	0.52	lm
116	293.4	390.7	12.62	0.45	0.07	0.66	nm	169	1296.4	1240.4	13.30	0.39	–	0.51	lm,1
117	1535.4	592.9	12.62	1.35	1.35	1.47:		170	1352.0	966.6	13.30	0.36	0.36	0.56	lm
118	970.9	1092.9	12.63	0.21	0.01	0.40	lm	171	1044.0	736.3	13.31	0.50	0.37	0.83	lm
119	707.7	520.5	12.68	0.34	–	0.58	lm	172	368.1	726.4	13.33	0.44	0.17	0.52	lm
120	913.5	560.0	12.70	0.31	-0.09	0.43	lm	173	956.3	368.1	13.33	0.46	0.11	0.56	lm
121	813.0	360.8	12.70	0.49	0.07	0.62	nm	174	973.0	737.0	13.37	0.26	0.10	0.48::	lm
122	503.1	75.5	12.72	0.46	0.33	0.68	nm	175	830.2	1201.0	13.38	0.31	0.10	0.44	lm
123	554.6	864.1	12.72	0.34	–	0.48	lm	176	783.0	271.1	13.38	0.45	0.03	0.54	lm
124	1269.3	381.3	12.73	0.22	-0.30	0.39	nm	177	1058.5	553.1	13.38	0.41	–	0.55	lm
125	868.0	760.5	12.73	1.49	1.69	1.52		178	840.3	521.8	13.39	0.59	0.50	0.79	2
126	940.9	601.8	12.74	0.50:	–	0.62	nm	179	1203.2	900.4	13.40	0.43	0.23	0.56	lm
127	798.2	599.1	12.78	0.33	-0.01	0.50	lm	180	1052.2	957.0	13.40	0.37	0.34	0.60	lm
128	533.3	260.7	12.79	0.39	-0.06	0.58	lm	181	772.6	126.7	13.41	0.49	0.06	0.54	lm
129	756.9	929.5	12.80	0.26	–	0.44	lm	182	1263.4	757.7	13.41	0.37	0.38	0.58	lm
130	1034.8	1265.3	12.80	0.56	–	0.70		183	869.7	1033.7	13.43	0.35	0.14	0.52	lm
131	995.4	708.7	12.81	0.21	-0.18	0.45	lm	184	105.8	629.6	13.44	0.54	0.42	0.59	
132	1344.1	840.6	12.81	0.27	-0.01	0.48	lm	185	727.6	803.7	13.45	0.53	0.25	0.69	lm
133	1304.7	547.6	12.82	1.36	1.25	1.38		186	887.8	544.4	13.45	0.31	0.15	0.49	
134	1190.1	926.4	12.86	0.75:	-0.49:	0.89		187	1272.3	1350.9	13.46	1.58	1.36	1.72	
135	1154.8	925.6	12.87:	0.45::	-0.73::	–		188	1138.9	660.1	13.46	0.30	0.14	0.55	lm
136	238.7	287.4	12.88	1.62	1.59	1.76		189	1170.5	468.7	13.48	0.73	0.38	0.84	
137	1208.9	1037.3	12.91	0.28	0.02	0.56	lm	190	762.1	444.6	13.48	0.44	0.11	0.54	lm
138	1176.4	811.5	12.91	0.21	-0.02	0.44	lm	191	700.0	852.7	13.48	0.63	0.41	0.85::	
139	500.3	334.1	12.91	0.36	-0.06	0.53	lm	192	1180.7	1304.5	13.51	0.70	–	0.92	
140	961.4	1191.1	12.91	0.65	0.43	0.82	nm	193	1223.7	1563.9	13.51	0.51	0.32	0.61	lm
141	243.2	394.1	12.92	0.54	0.11	0.81		194	521.8	388.3	13.54	0.47	0.23	0.66	lm
142	1135.8	919.1	12.95	0.21:	-0.09:	0.54	lm	195	1311.5	376.6	13.54:	0.25::	–	0.61	
143	203.0	53.6	12.98	0.36	0.03	0.54::	lm	196	1262.3	642.4	13.55	0.37	0.38	0.57	lm
144	1222.5	647.1	12.99	1.04	1.01	1.17		197	985.1	87.2	13.57	0.51	–	–	lm
145	1253.8	505.0	13.00	1.75	1.67	1.72		198	843.0	459.4	13.58	0.87	0.27	0.93	nm
146	1113.5	799.9	13.03	0.29	0.17	0.50:	lm	199	627.8	780.9	13.58	0.51	0.36	0.75	lm
147	918.3	766.3	13.04	1.74	0.54:	–		200	1422.9	1288.1	13.60	0.55	0.49	0.66	
148	781.8	699.7	13.06	0.30	-0.08	0.51	lm,1	201	136.3	378.6	13.61	0.56	0.29	0.75	
149	1164.9	1061.7	13.08	1.95	–	2.71		202	850.6	363.6	13.61	0.61	0.41	0.77	
150	971.3	1110.0	13.09	0.33	0.12	0.47	lm	203	1237.7	1385.3	13.61	0.42	0.20	0.56	lm
151	883.9	1363.4	13.11	0.28	0.08	0.41	lm	204	208.1	382.6	13.64	0.84	0.60	1.02	nm
152	360.0	826.1	13.11	0.34	0.23	0.46	lm	205	1306.7	867.5	13.64	0.74	0.33	0.97	
153	1332.4	1288.4	13.14	0.39	–	–	lm,1	206	1088.8	1109.7	13.65	0.74	0.20	0.87	
154	896.2	1365.3	13.16	0.29	0.09	0.44	lm	207	550.3	1280.5	13.67::	0.98::	-0.40::	0.56::	
155	795.8	1012.8	13.17	0.28	0.05	0.40	lm	208	154.9	743.9	13.69	0.44	0.27	0.54	lm
156	1408.6	423.8	13.18	0.40	0.53	0.51	pm	209	670.3	629.1	13.71	0.50	0.34	0.63	lm
157	438.9	714.1	13.20	0.43	0.38	0.56	lm	210	269.4	144.8	13.73	1.94	1.59	2.20	
158	1304.5	494.6	13.21	0.30	0.28	0.44	lm	211	747.9	1139.4	13.74	0.46	0.35	0.58	lm
159	1034.5	448.2	13.21	0.43	0.06	0.54	lm	212	328.6	471.4	13.74	0.49	0.37	0.68	lm
160	853.0	1175.8	13.21	1.12	0.83	1.19		213	371.8	443.5	13.77	0.65	0.25	0.84	
161	704.8	161.2	13.22	0.41	0.09	0.51	lm	214	405.9	720.0	13.79	0.52	0.38	0.59	lm

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
215	893.4	588.9	13.79	0.80	0.62	1.06		268	1372.8	670.4	14.49	0.91:	–	1.35	
216	1225.8	1138.9	13.80	0.41	0.25	0.50	lm	269	878.5	1269.5	14.50	0.63	0.41	0.74	
217	686.7	468.0	13.80	0.49	0.28	–		270	319.1	262.0	14.52	1.66	1.41	1.91	
218	659.1	872.6	13.80	0.54	0.52	0.72	lm	271	108.5	661.9	14.52	0.70	0.16	0.86	
219	513.6	400.9	13.80	0.5	0.34	–	lm	272	720.9	777.4	14.54	0.63	0.31	0.83	
220	1450.1	1509.1	13.81	0.45	0.15	0.52	lm	273	774.5	1166.8	14.55	1.73	1.52	1.75	
221	1039.7	358.6	13.84	0.59	0.33	0.71		274	905.1	1435.4	14.55	0.80	0.25	–	
222	995.4	588.1	13.85	0.65	0.53	0.98		275	684.7	91.8	14.55	0.98	0.38	1.05	
224	644.7	629.6	13.86	1.49	1.38	1.56		276	973.2	1596.2	14.56::	0.85::	0.30:	0.45	
225	400.8	376.6	13.86	0.51	0.31	0.71	lm	277	1152.3	1544.9	14.59	1.03	0.43	1.11	
226	1001.0	504.9	13.87	0.52	0.23	0.63	pm	278	906.6	457.7	14.60	0.73	0.45	–	
227	478.6	604.5	13.87	0.51	0.44	0.66	lm	279	907.4	417.8	14.61	1.22	0.49	1.41	
228	374.4	864.5	13.87	0.96	0.34	1.16	nm	280	295.2	841.9	14.61	0.77	0.4	0.94	
229	1448.3	776.5	13.94	0.98	0.78	1.17	nm	281	908.2	254.7	14.63	1.08	0.44	1.28	
230	341.2	544.4	13.99	0.58	0.44	0.64	pm	282	789.2	1066.4	14.64	1.35	1	1.43	
231	1212.8	541.3	14.00	2.27	0.29:	–	nm	283	920.8	625.9	14.64:	0.53::	–	–	
232	1034.0	1092.0	14.05	-0.82::	0.32::	-0.11	nm	284	863.1	1093.9	14.65	0.58	0.45	0.75	
233	764.5	1285.7	14.05	0.55	0.42	0.65		285	681.3	103.1	14.66	1.19	0.95	–	
234	779.4	1351.3	14.06	0.67	0.38	0.82		286	1300.7	607.6	14.68	0.64	0.29	0.85	
235	720.9	742.7	14.08	1.18	0.75	1.38		287	881.8	226.9	14.68	0.75	0.43	0.90	
236	862.7	988.4	14.09	0.78	0.39	0.94		288	652.6	1409.9	14.69	0.97	0.48	1.09	
237	735.5	552.5	14.10	1.11	0.52	1.34		289	716.6	721.3	14.72	0.82	0.01:	1.42	
238	1040.3	701.4	14.11	1.07	0.55	1.25		290	150.0	891.9	14.73	0.79	0.31	0.91	
239	752.3	303.8	14.11	0.62	0.37	0.74		291	972.4	852.1	14.73	0.62	-0.18:	1.10	
240	140.7	96.8	14.13	1.21	0.87	1.55::		292	1505.5	371.1	14.74	0.97	0.55	1.09	
241	941.6	1058.6	14.13	0.70	0.22	0.95		293	769.6	901.8	14.75	1.01	0.50	1.07	
242	294.1	66.1	14.14	0.72	0.35	0.91		294	1515.0	398.8	14.76	0.91	0.59	0.98	
243	595.1	190.9	14.15	0.89	0.41	1.09		295	620.9	1346.6	14.77	0.75	0.53	0.93	
244	246.2	70.8	14.19	1.40	1.35	1.48		296	1169.9	1047.8	14.77	0.75	-0.21:	1.16	
245	649.8	342.6	14.19	1.71	1.24	1.86		297	1369.6	670.7	14.77	0.98	0.45	1.05	
246	982.3	1601.4	14.25	0.74	0.26	0.86		299	1439.0	491.8	14.78	0.74	0.33	0.90	
247	636.2	776.0	14.25	0.57	0.37	0.74		300	851.2	64.0	14.79	1.15	0.80	1.28	
248	761.6	311.8	14.26	0.87	0.31	1.01		301	1142.2	1388.2	14.79	0.92	0.34	1.12	
249	841.0	814.8	14.26	0.98	0.39	1.21		302	1099.2	366.7	14.80	0.90	0.51	1.01	
250	619.4	1026.2	14.26	0.72	0.20	0.83		303	1270.1	440.8	14.82	1.16	0.72	1.28	
251	1005.7	128.7	14.30	0.89	0.32	0.83		304	660.0	996.5	14.82	1.03	0.49	1.21	
252	790.6	963.8	14.32	0.73	0.29	0.96		305	621.1	697.7	14.86	1.60	0.32:	2.05:	
253	833.7	976.8	14.33	1.30	1.02	1.47		306	1221.8	990.0	14.89	1.04	0.50	1.46	
254	1196.3	720.7	14.33	0.54	0.44	0.80		307	326.6	498.2	14.89	1.19	0.89	1.47	
255	1125.9	942.3	14.36:	0.61:	–	0.94::		308	1322.4	1449.3	14.90	0.90	0.27	1.08	
256	1486.5	495.7	14.36	0.61	0.56	0.77		309	901.4	794.4	14.92	0.81	1.15	1.18	
257	349.9	423.0	14.36	1.03	0.75	1.16		310	273.5	990.3	14.92	0.79	0.35	0.94::	
258	73.5	655.0	14.37	0.60	0.47	0.70		311	1059.2	1241.8	14.92	0.98	0.46	1.11	
259	744.3	947.5	14.37	1.31	1.17	1.41		312	598.6	334.2	14.95	1.09	0.48	1.29	
260	1353.9	581.9	14.38	0.83	0.42	0.93		313	1191.1	1311.3	14.98	1.01	0.36	1.23::	
261	360.7	927.6	14.39	0.80	–	–		314	1105.1	689.7	14.98	0.76	0.32	1.08	
262	494.4	908.8	14.40	0.72	0.43	0.92		316	504.3	796.1	14.99	1.01	0.67	1.24	
263	439.3	860.1	14.41	0.94	0.63	1.01		317	396.5	832.1	14.99	1.28	–	1.58	
264	829.0	874.4	14.45	0.96	0.45	1.24		318	905.0	958.0	15.06	0.87	0.43	1.20	
265	1287.5	491.4	14.48	1.21	0.98	1.21		319	1354.7	446.3	15.09:	1.08::	–	0.70	
266	276.3	913.3	14.48	0.75	–	0.86		320	407.0	834.3	15.10	0.95	0.43	1.13	
267	897.7	565.5	14.49	0.74	0.21	0.98		321	273.0	671.1	15.10	0.89	0.6	1.02	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
322	1328.4	416.0	15.11	0.67	0.43	0.82		375	924.5	587.0	15.68::	0.98::	–	–	
323	546.3	171.1	15.12	0.83	0.41	1.06		376	526.3	263.8	15.69	0.88	–	1.11	
324	402.3	115.8	15.14	0.92	0.41	1.19		377	941.4	794.9	15.69:	0.99::	–	–	
325	1180.2	752.8	15.15	1.04	0.70	1.38		378	567.0	768.7	15.71	0.68:	–	1.21	
326	503.8	734.5	15.16	1.57	1.51	1.79		379	487.4	630.0	15.71	0.86	0.34	1.06	
327	527.4	362.7	15.16	0.85	0.32	1.01		380	725.8	1318.3	15.72	0.99	0.43	1.10	
328	69.1	897.9	15.18	0.78	0.06	0.92		381	939.4	801.9	15.75:	0.71::	-1.27::	1.74	
329	450.9	511.6	15.18	2.76	-0.26	3.81		382	1273.9	587.9	15.75	1.95	1.60:	2.24	
330	1466.1	1543.0	15.19	0.98	0.34	–		383	1356.9	1041.3	15.76	1.22	1.03:	1.49	
331	1358.7	626.8	15.19	0.84	0.38	1.08::		384	1008.8	1016.4	15.76	1.37	0.51	1.77	
332	767.2	182.7	15.21	0.71	0.42	0.85		385	666.6	295.9	15.78	0.99	0.37	1.12	
333	752.0	644.2	15.22	2.16	–	2.52		386	417.0	287.0	15.78	0.99	0.42	1.29	
334	669.8	700.8	15.22	1.10	0.53	1.29		387	948.9	821.0	15.78::	-0.82::	-0.32::	–	
335	1311.2	396.7	15.23	0.50:	–	1.02		388	639.4	1371.3	15.78	1.58	1.33:	1.67	
336	731.6	705.5	15.23:	1.06::	–	–		389	1228.1	824.0	15.79	0.83	0.65	1.09	
337	739.6	690.8	15.24	0.99:	–	1.84		390	127.3	544.8	15.79	3.07	-0.36:	3.66	
338	1425.5	662.3	15.26:	0.03::	–	0.56		391	1291.2	786.0	15.80	1.09	0.66	1.34	
339	1059.7	1200.3	15.27	0.98	0.32	1.07		392	1016.0	1189.9	15.82	1.23	0.68	1.44	
340	325.0	174.3	15.31	0.94	0.51	0.96		393	1285.7	799.1	15.82	0.95	0.6	1.27	
341	202.8	798.8	15.33	1.08	0.49	1.31		394	838.6	1322.5	15.84	2.56	–	2.65	
342	577.1	865.4	15.34	1.27	0.78	1.52		395	675.9	1007.3	15.86	2.19	1.07:	2.24	
343	644.7	699.4	15.37	1.21	0.5	1.38		396	748.6	449.3	15.88	1.20	0.64	1.40	
344	1191.0	655.9	15.37	0.78	0.46	1.06:		397	204.1	732.2	15.88	1.24	0.72	1.45:	
345	1486.4	504.3	15.37	0.82	0.47	0.97		398	1298.8	1351.8	15.88	1.32	0.78	1.60	
346	461.8	996.1	15.38	1.46	0.63:	1.41		399	1526.2	854.2	15.88	1.42	0.95:	1.62	
347	940.1	723.1	15.39	1.03	0.49	1.13		400	204.4	335.4	15.89	2.09	–	2.51:	
348	1447.1	713.2	15.39	0.95	2.19::	1.35		401	1275.6	1491.2	15.89	0.99	0.35	1.15	
349	733.1	700.1	15.39:	0.77::	–	0.88		402	1377.8	357.8	15.89	0.88	0.83	1.07	
350	227.6	232.7	15.40	1.14	0.62	1.45		403	926.9	756.0	15.91	0.81	-0.16:	1.15::	
351	1366.7	1182.8	15.43	0.85	0.59	1.37		404	187.2	219.2	15.91	2.08	–	2.44	
352	1236.7	1452.8	15.43	0.99	0.61	1.21		405	832.7	1363.5	15.91	1.29	0.87	1.44	
353	1176.9	1037.5	15.45	0.76	0.35	1.06		406	801.8	244.9	15.93	1.42	0.98	1.57	
354	797.3	1141.9	15.46	1.09	0.78	1.21		407	1030.7	194.3	15.94	1.14	0.75	1.17	
355	417.6	322.3	15.53	1.05	0.53	1.26		408	1208.1	885.9	15.94	0.64	–	1.50::	
356	933.8	472.0	15.53	0.88	0.45	0.99		409	880.9	348.1	15.95	2.12	–	2.44::	
357	1186.1	1052.8	15.54	0.77	-0.32:	1.02		410	1357.2	956.1	15.96	1.02	0.52	1.19	
358	853.1	689.8	15.55	1.19	1.08::	1.35::		411	1119.6	454.4	15.97	1.89	1.30::	1.97	
359	939.0	722.8	15.56	1.07	0.60:	1.30		412	748.6	687.0	15.97	0.72::	–	1.30	
360	386.5	179.7	15.56	0.84	0.36	1.09		413	1458.9	1464.4	15.97	1.23	0.58	1.42	
361	1340.4	1083.0	15.57	0.67	0.32	0.97::		414	1280.8	868.0	15.98	0.90	–	1.20	
362	205.0	806.8	15.59	1.93	0.63:	–		415	1393.5	1151.8	15.98	2.26	–	2.60	
363	839.8	794.2	15.59::	-0.87::	–	–		416	641.0	532.7	15.98	0.98:	0.60:	0.90:	
364	916.1	630.6	15.59:	0.06::	–	–		417	920.5	589.9	15.99::	-0.12::	–	–	
365	1165.9	1561.8	15.60	1.16	0.69:	1.45		418	1311.1	1539.4	15.99	1.02	0.50	1.24	
366	945.1	394.2	15.60	1.09	0.53	1.20		419	1046.1	175.4	15.99	1.62	1.05:	1.67	
367	1043.7	1119.1	15.64	1.16	0.42	1.42		420	1302.1	1410.3	16.00	1.08	0.47	1.25	
368	869.6	179.2	15.64	2.30	1.27:	2.52::		421	1547.5	574.9	16.01	1.22	0.79	1.33	
369	616.6	698.4	15.65	1.75	–	2.24::		422	36.6	559.0	16.01	1.38	0.72	1.68	
370	761.2	1292.5	15.66	1.39	0.65	1.53		423	1519.1	489.8	16.01	0.99	0.66	1.17	
371	1335.3	1527.1	15.66	0.96	0.30	1.18		424	1573.5	822.0	16.01	1.06	-0.31:	1.12	
372	368.3	302.6	15.66	0.78	0.30	1.00		425	366.3	121.8	16.02	0.95	1.15:	1.20	
373	1458.7	735.0	15.67	2.10	1.09:	2.26		426	935.0	707.6	16.04	1.31	–	1.63	
374	157.2	301.3	15.67	0.95	0.50	1.11		427	816.6	565.6	16.04	1.33	–	1.51	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
428	922.0	167.8	16.05	1.21	0.66	1.33		481	1014.4	611.8	16.35	1.28:	–	1.27	
429	1401.4	853.1	16.06	0.97	0.69	1.12		482	1352.9	837.8	16.35	1.07	1.03	1.31	
430	807.1	547.0	16.06	0.98	0.49	1.25		483	1077.0	1166.0	16.38	1.12	0.63:	1.24	
431	182.1	43.1	16.08	1.1	0.88	1.38		484	647.0	1346.4	16.38	1.12	0.43	1.23	
432	583.7	1022.5	16.09	0.88	0.57	1.29		485	387.3	789.4	16.39	1.20	0.81	1.45	
433	1554.1	484.3	16.09	0.98	0.54	1.12		487	835.4	880.0	16.39	0.99	0.80:	1.14	
434	355.3	252.7	16.10	1.45:	–	1.38::		488	1166.2	1036.6	16.40	0.73	–	1.75	
435	898.7	1237.3	16.10	3.08	0.21::	3.14		489	1173	1231.6	16.41	1.35	0.74	1.77	
436	1536.9	520.6	16.11	1.21	1.08:	1.40		490	1273.2	1213.4	16.41	1.36	–	1.65	
437	578.7	794.4	16.11	1.31:	–	1.34		491	745.5	1156.3	16.42	1.27	0.71:	1.34	
438	149.0	828.9	16.12	1.06	0.65	1.24		492	36.6	625.6	16.43	1.26	0.74:	1.49::	
439	463.7	96.0	16.12	1.06	0.6	1.20		493	542.1	553.8	16.44	1.02	–	1.22	
440	1180.6	1536.7	16.12	1.07	0.89	1.24		494	1155.9	410.2	16.45	1.30	0.90:	1.45	
441	1377.5	914.2	16.13	3.70:	–	4.45		495	151.6	445.8	16.45	1.00	0.76	1.12	
442	593.2	403.2	16.13	1.16	0.88	1.28		496	786.3	1243.0	16.45	0.99	0.39	1.08	
443	541.8	438.7	16.13	0.99	0.37	1.13		497	854.1	1209.3	16.45	1.02	0.42	1.12	
444	633.6	1079.4	16.14	1.3	0.91:	1.48		498	1098.5	1564.2	16.45	1.03	0.49	1.19	
445	713.7	906.2	16.15	1.04	–	1.35		499	882.6	802.8	16.46	1.28	–	1.81	
446	1046.5	366.7	16.15	2.15	–	2.38		500	958.4	1310.5	16.46	1.68	–	1.85	
447	696.9	1385.3	16.16	1.44	0.86:	1.57		501	1287.3	512.5	16.46	0.99	0.46	1.15	
448	997.7	182.1	16.16	0.99	0.32	1.10		502	683.1	727.9	16.47	1.30	–	1.77:	
449	579.7	767.2	16.18:	0.41::	–	–		503	59.4	717.6	16.47	1.25	–	1.52	
450	827.3	61.8	16.18	1.06	0.45	1.16		504	105.3	836.0	16.48	1.06	0.98:	–	
451	597.9	1429.3	16.18	0.99	0.59	1.12		505	1401.4	678.5	16.48::	0.39::	–	–	
452	1497.0	368.5	16.19	1.38	0.98:	1.51		506	973.5	1375.9	16.50	1.24	0.36	1.54:	
453	891.8	779.9	16.19	1.36	–	1.53		507	990.7	1073.3	16.51	1.16	–	1.55	
454	806.3	1286	16.19	1.29	0.84	1.38		508	918.1	586.5	16.51::	0.40::	–	–	
455	432.0	280.3	16.20	1.14	0.56	1.34		509	718.4	342.0	16.52	1.02	0.24	1.27	
456	171.9	147.8	16.20	1.27	0.74	1.53		510	235.6	64.2	16.52	1.01	0.49	1.23	
457	232.1	165.8	16.20	1.29	1.13:	1.38		511	939.1	816.6	16.53:	-0.07::	–	–	
458	1090.1	777.0	16.21	0.84	0.18:	1.10		512	1275.2	861.2	16.54	1.22	–	1.50::	
459	682.1	172.1	16.23	1.33	0.92	1.53		513	1010.2	68.7	16.55	1.39	1.03:	1.38:	
460	218.5	817.1	16.23	0.94	0.42	1.08		514	769.4	879.1	16.55	0.83::	–	1.70	
461	675.9	365.0	16.24	1.61	0.66:	1.96		515	687.4	955.5	16.56	1.20	0.60:	1.46	
462	897.9	723.8	16.25	0.49:	–	0.94		516	450.3	715.9	16.56	1.31	–	1.76::	
463	54.9	701.3	16.25	1.89::	–	1.20		517	330.8	760.8	16.57	1.53	0.71:	1.88	
464	910.3	632.5	16.27:	0.90::	–	–		518	245.5	181.6	16.57	1.12	0.83	1.27	
465	1376.3	1377.5	16.27	1.02	0.41	1.25		519	1081	1220.1	16.57	1.44	–	1.80	
466	1219.2	858.6	16.28	0.97	-1.26::	1.40		520	128.2	596.6	16.57	1.62	0.93:	1.94	
467	761.2	1028.0	16.30	2.16	1.70::	2.26		521	575.7	122.7	16.58	1.11	0.72:	1.21	
468	933.4	1083.9	16.30	1.30	0.96:	1.48		522	1476.8	1560.9	16.59	1.27	0.23:	1.37	
469	1458.2	689.0	16.30	1.43	1.01:	1.62		523	1496.4	774.0	16.59	1.04	0.85	1.05::	
470	403.5	712.7	16.30	1.01	0.40	1.16		524	1235.9	978.5	16.59:	0.42::	–	1.11	
471	1213.9	363.7	16.31	0.82	–	1.20:		525	1247.3	983.9	16.59	0.66:	–	1.23	
472	1139.9	736.4	16.32	0.99	0.40:	1.23::		526	527.4	420.3	16.59	1.34	–	1.51	
473	920.9	723.5	16.32	1.04	0.31:	1.19		527	836.5	434.3	16.59	1.11	0.53:	1.27	
474	781.2	1383.2	16.32	1.10	–	1.16		528	1057.9	1285.7	16.60	1.43	–	1.79	
475	991.5	1074.4	16.33	1.34	–	1.41		529	766.3	1074.3	16.60	0.96	0.35	1.16	
476	864.0	1018.1	16.34	1.55	–	1.59		530	14.6	839.4	16.60	1.06	0.68:	1.29	
477	330.1	136.5	16.34	1.47	–	1.73		531	1131.2	1513.6	16.61	1.39	–	1.53	
478	568.8	13.5	16.34	1.04	0.69	1.27		532	196.7	733.8	16.61	1.33	–	1.58	
479	327.8	333.6	16.34	1.53	–	1.84		533	864.9	655.6	16.61:	0.86::	–	–	
480	1420.2	1490.0	16.35	1.13:	–	1.19		534	1055.7	923.0	16.63	2.86::	–	2.56	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
535	147.1	681.6	16.64	1.15	0.82:	1.26		588	1307.7	617.5	16.81	1.31	0.83:	1.69	
536	1081.9	906.4	16.64	0.49	-0.23:	1.16		589	878.2	202.1	16.82	1.65	–	1.95	
537	1293.5	910.2	16.64	1.40	0.55::	1.82		590	581.3	1387.7	16.82	2.67	–	2.86	
538	670.5	361.0	16.65	0.93	0.68::	1.03		591	1245.0	958.3	16.82	0.43:	–	0.97:	
539	668.4	198.4	16.65	1.30	0.67:	1.58		592	205.0	705.1	16.82	1.00	0.41	1.19	
540	1031.2	660.5	16.65	0.87	-0.01:	1.19:		593	833.5	629.1	16.83	1.31	–	1.80	
541	670.9	141.1	16.65	1.37	0.58	1.50		594	1335.3	1523.5	16.83	1.11	–	1.26	
542	522.8	627.6	16.66	1.43	–	1.68		595	760.7	721.8	16.84:	0.14:	–	–	
543	626.9	890.1	16.66	1.12	–	1.34		596	1345.7	929.1	16.84	1.10	–	1.23	
544	686.5	977.1	16.66	1.30	–	1.50		597	1221.3	580.4	16.85	1.18	0.66:	1.43	
545	184.9	563.7	16.67	1.11	0.73	–		598	249.9	262.8	16.85	0.92::	–	1.29	
546	1300.7	805.6	16.67	1.10	0.91:	1.36		599	625.0	454.3	16.85	1.48	0.73:	1.74	
547	491.2	834.3	16.67	1.84	0.87:	2.24		600	1111.8	1109.3	16.86	0.26:	–	-0.22	
548	46.9	511.5	16.67	1.30	0.67:	1.56		601	906.1	151.0	16.86	1.45	0.90:	1.69	
549	373.4	376.2	16.68	1.23	–	1.45		602	220.6	858.1	16.87	1.14	0.77:	1.33	
550	1301.8	512.1	16.68	1.87	3.59::	2.06		603	617.3	40.6	16.87	1.17	–	1.30	
551	1153.4	634.8	16.68	1.08	0.54:	1.31::		604	528.3	160.5	16.87	1.13	0.75:	1.31	
552	916.0	546.5	16.69:	0.59::	0.98::	1.16		605	1437.5	1591.3	16.88	2.68	–	2.86	
553	1476.0	1531.2	16.69	1.10	–	1.33		606	683.8	846.8	16.88	0.60:	–	2.25	
554	701.5	407.5	16.70	1.47	–	1.81		607	662.9	929.1	16.89	1.11	–	1.52	
555	1153.2	801.8	16.70	0.83	0.76:	1.23		608	693.1	511.6	16.89:	0.45::	–	0.43	
556	573.2	1120.0	16.71	1.10	0.63:	1.16		609	665.7	535.1	16.91	1.43	–	1.64	
557	632.0	618.8	16.71	1.08	–	1.40		610	191.0	552.2	16.91	1.17	0.74:	1.63	
558	1005.3	1012.9	16.71	1.43	0.42::	1.17		611	1330.9	794.1	16.94	0.87	0.38	1.20	
559	330.7	76.0	16.71	1.39	0.74:	–		612	896.9	422.4	16.95	2.11	–	2.36	
560	1013.0	995.5	16.71	2.27	–	2.11		613	1188.1	1361.9	16.97	2.89	–	3.81	
561	765.4	335.7	16.71	1.40	–	1.63		614	711.3	807.8	16.98:	0.18::	–	–	
562	911.3	893.4	16.72	0.96	–	1.50		615	881.5	596.4	16.98:	0.99::	–	–	
563	742.0	894.7	16.72	1.27	–	1.38		616	184.6	26.0	16.98	1.08	–	1.30::	
564	686.5	520.2	16.72	0.87::	–	0.97		617	1348.7	1517.6	16.98	1.14	0.57:	1.30::	
565	698.5	824.5	16.74:	0.55::	–	–		618	276.6	507.4	16.98	1.65	–	1.98	
566	679.2	865.5	16.74	1.25	–	1.83		619	958.5	1178.6	16.99	1.98	–	1.83	
567	1265.1	1241.0	16.74	2.52	–	2.88		620	997.5	514.6	16.99	1.34	–	1.61	
568	451.1	688.8	16.74	0.99	0.68	1.25		621	1293.1	1346.3	16.99	1.22	–	1.37	
569	356.2	201.1	16.74	1.15	–	1.34		622	765.2	951.4	17.00	0.95	0.33:	1.25	
570	168.1	236.1	16.75	1.43	–	1.71		623	576.6	1007.4	17.01	1.10	0.70:	1.20	
571	801.8	442.7	16.76	1.25	0.90:	1.42:		624	867.6	1125.3	17.02	1.08	–	1.47	
572	694.8	500.8	16.76	1.25::	–	1.25		625	623.7	171.7	17.02	1.09	0.12	1.28	
573	665.4	1244.3	16.76	1.13	–	1.20		626	1468.8	648.1	17.02	1.40	–	1.57	
574	149.7	869.0	16.77	1.02	0.69	1.16		627	902.4	145.1	17.02	1.63	–	1.93	
575	1526.3	519.3	16.77	1.38	–	1.53		628	502.8	621.2	17.02	1.26	–	1.61	
576	1461.0	451.0	16.77	1.36	1.13:	1.44		629	722.7	762.3	17.03	1.46	–	1.65	
577	174.9	625.7	16.77	1.20	0.61:	1.27		630	1431.5	656.2	17.03::	-0.24::	–	–	
578	555.5	297.0	16.77	1.09	0.52:	1.21		631	997.2	1307.7	17.03	1.13	0.85:	1.30	
579	1037.7	1220.9	16.78	1.36	–	1.70		632	635.0	157.6	17.03	1.56	–	1.75	
580	910.2	892.9	16.78	-0.07:	–	1.45		633	1237.9	434.7	17.03	1.68	–	1.59:	
581	509.4	859.8	16.79	1.39	–	1.61::		634	549.8	757.8	17.04	0.43::	–	1.01	
582	503.7	493.1	16.79	1.66	–	1.99::		635	876.8	1410.3	17.05	1.10	0.21:	1.16::	
583	799.4	258.4	16.79	1.20	0.54:	1.47		636	683.5	1127.1	17.05	1.20	–	1.45	
584	1291.7	581.4	16.80	1.35	0.92:	1.42		637	807.4	185.1	17.05	1.59	–	1.86	
585	278.0	355.1	16.80	1.27	–	1.53		638	1264.3	1075.8	17.06	1.71:	–	1.73	
586	241.4	190.3	16.80	1.37	–	1.71		639	1122.0	1106.4	17.06	0.42:	-0.92::	0.30	
587	680.6	795.0	16.81	1.07	–	1.40		640	1421.2	1228.4	17.06	1.18	0.76:	1.28	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
641	871.2	171.4	17.06	1.20	0.62:	1.43		694	983.7	674.8	17.32	1.33:	–	1.71	
642	373.3	641.9	17.09	1.36:	–	1.70		695	1508.7	815.1	17.33	0.99	0.37:	1.16	
643	1012.5	1094.8	17.12	1.62	–	1.52		696	1459.7	638.5	17.33	1.20:	–	1.44	
644	711.3	307.7	17.12	1.48	–	1.64		697	607.8	96.7	17.33	1.85	–	2.16	
645	917.4	771.2	17.12:	1.48::	–	–		698	450.9	487.0	17.33	1.45	–	1.81	
646	1181.3	464.7	17.12	1.11	1.27::	1.21		699	1146.3	1341.1	17.34	1.19	–	1.47	
647	693.2	606.7	17.12	1.46	–	1.69:		700	1037.6	1389.7	17.35	0.63:	–	1.28	
648	517.8	512.3	17.13	1.65	–	1.89		701	518.8	304.6	17.35	1.12	–	1.31	
649	1359.6	701.9	17.14	1.85	–	2.10		702	1366.9	781.8	17.35	0.98	–	1.28	
650	1045.0	1047.9	17.14	0.58	–	1.32		703	991.0	435.1	17.35	1.67	–	1.94:	
651	449.9	634.4	17.15	1.03	–	1.30		704	674.4	1261.1	17.35	1.40	–	1.41::	
652	335.3	669.5	17.16	1.06	–	1.28:		705	236.1	856.3	17.36	1.19	–	1.86	
653	869.0	1129.7	17.17	1.09	–	1.50		706	1364.0	1193.1	17.36	1.09	–	1.24	
654	159.8	394.4	17.17	1.94	–	–		707	1066.2	986.6	17.36	1.00:	–	1.35	
655	960.0	294.9	17.17	1.16	–	1.32		708	84.2	511.2	17.36	1.48	–	1.81	
656	1420.4	404.3	17.17	1.36	–	1.70		709	1120.7	825.2	17.37	1.39	–	1.70	
657	1189.4	1149.5	17.18	1.04	0.48:	1.69::		710	733.8	1250.7	17.37	1.36	–	1.32	
658	1269.7	1223.5	17.18	1.57	–	2.00		711	1198.0	849.0	17.37:	0.33::	–	0.11	
659	358.7	379.1	17.18	1.42	–	1.53:		712	1397.0	1598.4	17.37	1.19	–	1.33	
660	580.3	306.9	17.18	0.16:	–	1.59		713	844.6	96.2	17.38	1.24	–	1.39:	
661	734.5	1272.6	17.19	1.16	–	1.25		714	1131.2	454.6	17.38	1.43:	–	1.87::	
662	1022.5	694.6	17.19	1.41:	–	1.94:		715	511.6	744.8	17.38	1.30	–	1.72	
663	1191.3	1171.6	17.19	1.19	–	1.24		716	330.2	32.4	17.39	1.58	–	1.92	
664	1446.9	394.7	17.19	1.17	–	1.26		717	65.4	841.8	17.39	1.19	0.72:	1.50	
665	162.6	539.7	17.20	1.51	0.80:	1.76		718	775.5	778.6	17.39	1.11:	–	1.79::	
666	982.2	691.6	17.20:	1.20::	–	1.63		719	247.5	517.2	17.40	1.37	0.38:	1.99	
667	1240.0	999.8	17.20	1.81::	–	1.86		720	1071.8	929.6	17.41	1.53::	–	1.74	
668	504.5	984.2	17.21	1.51	–	1.66		721	210.5	151.0	17.41	1.58	–	1.97	
669	1239.6	1223.3	17.22	1.43	–	1.72		722	481.4	795.3	17.41	1.25	–	1.38::	
670	424.6	379.5	17.22	1.51	–	1.84		723	1190.0	623.6	17.42	1.30	–	1.40	
671	135.6	561.9	17.23	1.24	–	1.41		724	276.0	216.5	17.43	1.17	–	1.37	
672	877.6	151.0	17.23	1.18	0.54:	1.42		725	1395.2	1210.1	17.45	1.20	–	1.31	
673	1217.0	1112.6	17.24	1.00	–	1.37		726	1068.2	1209.6	17.45	1.71	–	2.08::	
674	1201.8	649.4	17.24	1.35	–	1.64		727	1384.4	646.3	17.46	0.69:	–	1.49	
675	1540.0	417.6	17.24	1.66	0.56::	1.80::		728	1207.0	703.5	17.46	1.01	0.31:	1.34	
676	779.4	858.3	17.24::	1.53::	–	–		729	1417.4	700.3	17.46:	0.53::	–	2.77	
677	699.5	344.2	17.25	1.14	0.64:	1.28		730	940.1	357.0	17.47	1.46	–	1.64	
678	1200.4	706.4	17.25	1.22	–	1.53		731	714.8	505.4	17.47::	-0.52::	-0.58::	–	
679	1032.7	1047.1	17.25	0.45:	–	1.28		732	846.5	918.5	17.47	1.91	–	2.20	
680	724.0	873.8	17.26::	-0.08::	–	–		733	982.6	1233.0	17.48	1.54	–	2.03	
681	1340.5	674.5	17.26	1.42	–	1.70		734	225.0	373.4	17.48	1.52	–	1.68	
682	741.4	1403.5	17.26	2.30	–	2.35::		735	669.7	341.7	17.48	1.39	–	1.91	
683	1260.6	499.4	17.26	1.39	–	1.42		736	1159.0	469.4	17.49	1.63	–	1.57	
684	1000.6	949.8	17.28	1.13	–	1.67		737	1174.8	861.1	17.49	1.51:	–	1.24::	
685	683.1	693.9	17.28	1.44	–	1.79		738	354.0	776.7	17.50	1.22	–	1.22::	
686	1122.0	876.2	17.30	0.87:	–	1.69		739	509.4	223.4	17.50	1.06	–	1.44	
687	1129.7	1110.5	17.30	0.57::	–	–		740	1034.2	1291.0	17.51	1.31	–	1.56	
688	772.0	1376.5	17.30	1.29	–	1.55		741	463.5	282.3	17.51	1.18	–	1.46	
689	1222.8	1216.8	17.30	1.01	–	1.24		742	1210.2	701.4	17.52	1.66:	–	1.76	
690	779.4	714.1	17.32	1.56	–	1.82		743	468.5	534.4	17.53	1.71	–	2.00	
691	624.8	1312.9	17.32	1.51	–	1.80		744	1353.5	824.3	17.53	1.29	–	1.52	
692	1108.4	1104.0	17.32:	-0.11::	-0.58::	–		745	94.1	959.3	17.53	1.38	–	1.45	
693	989.3	319.5	17.32	1.67	–	1.85		746	860.3	1256.8	17.53	1.65	–	1.88	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
747	142.8	913.3	17.53	1.58	–	2.05		800	1019.9	491.8	17.69	0.64:	–	1.64	
748	779.2	964.3	17.53	1.11	–	1.37		801	415.2	791.8	17.69	1.44	–	1.76	
749	396.5	824.6	17.53	1.51:	–	1.81		802	1040.0	1576.8	17.70	1.25	–	1.34	
750	1468.4	1456.3	17.54	1.33	–	1.39		803	1199.7	1073.4	17.71	1.94::	–	1.76	
751	1286.0	702.9	17.54::	-1.24::	–	–		804	1081.4	1240.7	17.71	2.09:	–	2.32	
752	13.6	682.0	17.54	1.33	–	1.49		805	1027.4	1053.6	17.71	3.02::	–	1.67	
753	931.9	1299.3	17.54	1.73	–	1.58		806	577.5	1130.1	17.71	1.69	–	1.88	
754	960.0	471.3	17.54	1.63	–	1.67:		807	164.3	266.2	17.71	1.71	–	1.91::	
755	433.0	50.2	17.55	1.30	–	1.37		808	981.9	68.2	17.72	1.54	–	1.92	
756	421.1	527.7	17.55	1.19	–	1.73		809	973.4	1571.6	17.72	1.47	–	1.93	
757	1384.0	505.4	17.56	1.50	–	1.71::		810	1068.4	668.9	17.73	2.05::	–	1.99	
758	1210.3	707.8	17.56	1.50:	–	1.92		811	1377.8	1079.6	17.73	1.20:	–	1.88	
759	1358.0	827.4	17.57	1.44	–	1.79		812	1466.3	382.4	17.73	1.32	–	1.38	
760	1086.1	1398.8	17.57	1.50	–	1.85		813	1286.5	1510.8	17.73	1.56	–	2.07	
761	830.1	489.7	17.57	1.16	–	1.45		814	1255.1	1306.6	17.74	1.46	–	1.45	
762	650.5	1252.4	17.57	1.79	–	1.76		815	749.4	175.9	17.74	1.63	–	2.01::	
763	1569.7	387.0	17.57	1.46	–	1.59		816	733.8	506.2	17.74	1.41	–	1.84	
764	328.3	646.6	17.57	1.13	1.11::	1.50::		817	423.0	878.6	17.75	1.11	–	1.23:	
765	1105.8	1128.6	17.57:	0.27	–	-0.12		818	489.3	408.5	17.75	1.27	–	1.43::	
766	11.9	696.3	17.58	1.47	–	1.94		819	702.1	993.8	17.75	1.66:	–	1.84	
767	1326.3	498.2	17.59	1.29	–	1.23		820	72.9	888.8	17.76	1.04	–	1.29	
768	524.4	203.0	17.59	1.58	–	1.82		821	1147.6	1109.4	17.76:	0.31::	–	–	
769	126.0	775.1	17.59	1.37	–	1.86		822	992.7	964.7	17.76	1.58:	–	1.74	
770	1391.3	367.4	17.60	0.96:	–	1.51		823	1050.0	1339.8	17.76	1.84	–	2.22	
771	671.2	561.2	17.60	1.26	–	1.91		824	332.1	363.5	17.77	1.41	–	1.58	
772	603.5	415.0	17.60	1.20	–	1.39		825	651.9	259.1	17.77	1.29	–	1.43	
773	200.6	77.3	17.60	1.29	–	1.37		826	890.3	1328.8	17.77	1.72:	–	1.97	
774	390.6	387.4	17.61	1.20	–	1.42		827	878.7	981.0	17.77	1.42	–	1.78	
775	1163.8	734.4	17.61	1.28:	0.58::	1.61		828	277.7	892.0	17.77	1.33	–	1.53	
776	749.0	1074	17.61	1.71	–	1.76		829	106.3	779.5	17.78	1.49	–	1.81	
777	754.4	132.5	17.62	1.53	–	1.84		830	624.9	520.7	17.79	1.49	–	1.89	
778	295.1	692.3	17.63	1.44	–	1.86		831	1142.5	1567.3	17.79	1.23	–	1.39	
779	1480.5	532.7	17.63	0.95:	–	1.41		832	465.8	874.4	17.80	1.10	–	1.27::	
780	737.9	231.7	17.63	1.37	–	1.80		833	851.7	1327.3	17.80	1.78:	–	1.88	
781	1159.6	739.3	17.63	2.05:	–	1.58		834	483.2	651.3	17.80	1.19	0.35::	1.42	
782	872.3	258.4	17.64	1.16	–	1.32::		835	439.2	442.7	17.80	1.27	–	1.53::	
783	1307.3	1350.2	17.64	1.26	–	1.54		836	156.2	222.4	17.81	1.62	–	1.90	
784	371.4	12.2	17.64	1.69	–	2.02		837	718.9	1312.1	17.81	1.33	–	1.32::	
785	1409.6	1447.0	17.64	1.31	–	1.47:		838	646.8	382.2	17.81	0.89:	–	1.68	
786	779.0	207.5	17.64	1.50	–	1.91		839	601.4	218.9	17.82	1.67	–	1.85	
787	184.9	212.1	17.64	1.68	–	2.05		840	456.7	44.7	17.82	0.48:	–	2.16::	
788	668.8	894.9	17.64:	0.95::	–	1.88:		841	517.3	885.5	17.82	1.29	–	1.82::	
789	895.1	412.8	17.65	1.43	–	1.38		842	230.7	324.9	17.82	1.61	–	1.97	
790	1432.7	1496.9	17.65	1.64	–	1.83		843	1327.1	1107.2	17.82	1.30	–	1.51:	
791	1165.7	1249.7	17.65	1.46	–	1.52		844	955.8	1383.0	17.83	1.76	–	1.80	
792	945.5	422.4	17.65	1.50	–	1.62::		845	932.4	726.7	17.85:	2.85::	–	–	
793	1113.8	616.8	17.65	1.19	–	1.09		846	1152.6	455.6	17.85	1.19	–	1.55:	
794	1226.8	472.6	17.65	1.43	–	1.55		847	1176.7	698.2	17.85	1.20	–	1.33	
795	664.1	886.3	17.66	0.92:	–	2.29		848	849.4	637.4	17.86	4.93::	–	1.98::	
796	1283.0	1358.7	17.66	1.39	–	1.70		849	849.1	541.8	17.87	1.75::	–	1.72	
797	58.9	772.1	17.66	0.70	1.07:	1.43		850	1017.6	1045.8	17.87	1.45:	–	1.64	
798	1181.5	1343.2	17.67	1.65	–	2.10		851	665.2	472.1	17.88	1.50	–	1.80	
799	868.1	905.0	17.67	1.38	–	1.62		852	900.4	762.4	17.88	0.97:	-0.99::	1.67	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*
853	607.6	460.2	17.88	1.99:	–	2.38		906	829.9	279.8	18.10	1.60	–	1.55	
854	381.0	190.6	17.88	1.28	–	1.40		907	1401.1	1233.2	18.11	1.44	–	1.63	
855	662.4	881.0	17.89	0.06:	–	2.08::		908	1094.2	1114.4	18.12::	0.48::	–	0.42	
856	267.9	604.4	17.89	1.18	–	1.46		909	875.1	939.9	18.12	1.40:	–	1.68	
857	837.5	302.0	17.90	1.47	–	1.84		910	653.6	308.6	18.13	1.47	–	1.49	
858	464.6	123.2	17.90	1.69	–	2.00		911	1299.1	1412.3	18.13	0.98:	–	1.53	
859	809.8	759.8	17.91	0.65:	–	1.77		912	1043.8	286.0	18.13	1.30	–	1.58	
860	454.6	588.3	17.91	1.36	–	1.97		913	953.6	401.8	18.15	2.00:	–	2.21	
861	877.2	980.5	17.91	1.41:	–	1.90		914	1256.3	1122.0	18.15	1.41	–	1.85	
862	1024.0	1177.0	17.91	1.64	–	1.88		915	873.6	318.8	18.15	1.45	–	1.66::	
863	475.9	773.1	17.92	1.52::	–	1.88::		916	178.5	637.2	18.16	1.31	–	1.67::	
864	771.5	193.1	17.92	1.54	–	1.71::		917	536.8	304.3	18.16	1.40	–	1.50::	
865	955.9	280.8	17.92	1.73	–	1.87		918	1038.1	186.1	18.16	1.57	–	1.78	
866	1008.4	232.5	17.93	1.42	–	1.76		919	1071.4	1447.7	18.17:	0.16::	–	–	
867	480.5	386.5	17.93	1.68	–	2.01::		920	888.6	1252.4	18.17	1.63:	–	2.05	
868	628.6	946.6	17.95	1.40	–	1.88		921	9250.0	972.6	18.18	2.13::	–	2.13	
869	1309.1	1275.6	17.95	2.18:	–	2.47		922	1222.8	1412.2	18.19	2.03:	–	1.95	
870	457.1	286.1	17.95	1.47	-1.64:	1.90		923	746.4	195.4	18.19	0.92	–	1.35	
871	625.0	258.5	17.95	1.88:	–	1.97::		924	40.0	640.7	18.19	1.41	–	1.86	
872	1255.2	708.5	17.96	1.48:	–	1.76		925	398.5	668.0	18.20	1.22	–	2.10	
873	822.5	103.6	17.96	1.95:	–	1.98		926	1018.4	353.3	18.20	1.73	–	1.96	
874	434.8	144.8	17.96	1.31	–	1.70		927	596.3	276.5	18.20	1.24:	–	1.49	
875	1029.4	408.1	17.97	1.33	–	1.43		928	990.8	1065.2	18.20	1.24:	–	1.42	
876	105.0	800.6	17.98	1.73	–	2.17		929	823.7	469.3	18.21	1.66:	–	2.02::	
877	238.2	857.9	17.98	1.73:	–	1.40		930	1164.9	633.4	18.22	1.13	–	1.46	
878	1266.7	824.7	17.98	1.44:	–	1.32		931	165.2	518.2	18.22	1.73	–	2.01	
879	1423.9	363.8	17.99	0.93	–	1.30		932	555.6	261.5	18.23	1.57	–	2.08::	
880	1122.6	1540.8	17.99	1.36	–	1.99		933	623.3	1193.5	18.23	1.85:	–	1.93:	
881	251.7	784.2	17.99	1.35	–	1.44		934	258.0	751.5	18.23	1.32	–	1.68	
882	559.7	857.7	18.00	0.93	–	1.45		935	222.7	668.7	18.24	1.41	–	2.02	
883	1347.1	1547.1	18.00	1.62	–	1.76		936	1387.6	1134.5	18.24	2.29::	–	1.92	
884	618.5	452.8	18.00	1.96:	–	1.85		937	701.3	90.3	18.24	1.56	–	1.92	
885	833.7	282.4	18.00	1.77	–	1.85		938	571.9	382.2	18.24	1.73:	–	2.01	
886	175.0	983.2	18.01	1.42::	–	1.86		939	815.1	481.6	18.24	1.45:	–	1.81::	
887	1563.7	668.6	18.01	1.29	–	1.35		940	418.3	130.0	18.25	1.45	–	1.93	
888	250.2	372.1	18.01	1.68	–	2.18		941	1396.4	1588.9	18.25	1.39::	-1.79::	1.81::	
889	620.6	75.2	18.02	1.42	–	1.56		942	964.3	99.6	18.25	1.82:	–	1.99	
890	836.3	786.1	18.03::	1.56::	–	–		943	773.7	424.9	18.25	1.51:	–	2.12	
891	71.1	545.5	18.03	1.59	–	2.04::		944	235.8	405.5	18.25	1.60	–	1.44	
892	589.9	93.7	18.04	1.57	–	1.85		945	181.2	246.3	18.26	1.76	–	2.10	
893	220.8	704.3	18.05	1.73	–	1.96		946	275.7	438.0	18.26	1.93:	–	2.21	
894	856.9	325.2	18.05	1.76	–	2.05		947	1015.1	1201.3	18.27	1.80:	–	1.98	
895	165.7	313.8	18.05	1.89	–	2.17::		948	990.8	535.6	18.27:	0.58::	–	–	
896	1090.1	396.7	18.05	1.85:	–	1.85		949	572.8	27.4	18.28	1.55	–	2.13	
897	405.3	133.8	18.05	1.39	–	1.84:		950	161.2	829.8	18.28	1.45	–	1.46	
898	58.5	919.6	18.09	1.26	–	1.63		951	221.5	754.4	18.30	1.28	–	2.16	
899	990.9	402.1	18.09	1.70:	–	1.95		952	910.7	480.7	18.30	2.40::	–	2.22	
900	282.0	211.9	18.09	1.62:	–	1.91		953	387.0	71.6	18.31	1.58	–	2.04	
901	336.5	786.6	18.09	1.56	–	1.62		954	589.8	44.5	18.31	1.30	–	1.88	
902	212.6	474.1	18.09	1.70	–	2.16		955	156.3	463.7	18.32	1.45	–	1.60	
903	69.1	722.3	18.10	1.54	–	1.89		956	721.1	72.1	18.32	1.92:	–	2.05	
904	166.4	701.5	18.10	1.79::	–	1.91		957	595.8	373.6	18.32	1.77:	–	1.66	
905	821.2	216.6	18.10	1.84	–	1.96		958	827.4	212.7	18.32	1.88:	–	2.00::	

Table 2. Continued

#	x	y	V	$B-V$	$U-B$	$V-I$	*Rem*	#	x	y	V	$B-V$	$U-B$	$V-I$	*Re*
959	452.5	59.5	18.33	1.25	–	1.86		1012	462.3	153.9	18.72	1.91:	–	1.58	
960	135.3	321.0	18.34	1.50	–	1.66		1013	246.6	98.0	18.73	1.38:	–	–	
961	1348.7	1482.1	18.34	1.61	–	1.99		1014	632.3	1337.1	18.74	1.94::	–	2.27::	
962	837.3	507.3	18.34	0.97:	–	1.26::		1015	791.5	351.0	18.75::	-0.91::	–	–	
963	1460.1	1470.9	18.35	1.57::	–	1.84		1016	1263.1	1259.5	18.75	1.68:	–	1.75	
964	458.0	79.7	18.36	1.61:	–	2.22		1017	1017.2	1539.4	18.76:	1.78::	–	2.01::	
965	1079.0	749.0	18.36:	1.20::	–	1.95		1018	449.6	220.1	18.82	2.19::	–	–	
966	705.5	290.6	18.37	1.63:	–	2.19		1019	386.3	195.9	18.82	2.03::	–	2.10:	
967	982.2	1137.1	18.38	1.49:	–	1.48::		1020	603.8	508.1	18.83	1.39:	–	1.96	
968	143.4	231.8	18.39	1.28	–	1.63		1021	208.7	107.0	18.85	1.69:	–	2.13	
969	94.6	748.5	18.39	1.64:	–	1.65		1022	698.1	63.2	18.86	1.87:	–	2.31	
970	400.2	247.5	18.39	1.47	–	2.37		1023	489.6	204.0	18.87	1.44:	–	1.81::	
971	1146.4	1117.3	18.40::	-0.31::	–	–		1024	386.3	358.8	18.88	1.75:	–	2.36	
972	1058.6	466.3	18.41:	1.58::	–	–		1025	527.3	325.3	18.89	1.22:	–	2.10	
973	866.8	846.0	18.41	1.40:	–	2.13		1026	852.5	1367.5	18.90	1.89::	–	2.17:	
974	863.4	260.5	18.42	1.44:	–	1.85:		1027	664.4	1075.2	18.92	1.41::	–	1.77	
975	953.0	1394.7	18.42	1.92::	–	2.07		1028	646.7	247.9	18.93	1.32:	–	2.01	
976	860.0	499.4	18.43	1.49:	–	1.73		1029	539.9	469.3	18.93	1.68:	–	2.25:	
977	1190.0	802.5	18.44	0.86::	–	1.66		1030	825.2	388.1	18.96	1.56:	–	2.62	
978	915.4	348.1	18.45	1.84:	–	2.04		1031	446.7	197.2	18.96	1.23:	–	1.72	
979	311.3	362.4	18.45	1.39	–	1.68		1032	568.9	1048.8	18.97	1.40	–	2.21::	
980	589.2	251.2	18.46	1.56:	–	1.67		1033	668.9	451.1	18.98	1.14:	–	1.61	
981	187.7	351.5	18.48:	1.63	–	1.97::		1034	583.1	75.3	19.02	1.50:	–	2.09	
982	783.5	156.8	18.48	1.60:	–	2.00::		1035	344.3	145.5	19.04	1.20:	–	1.88	
983	1423.2	439.9	18.49	0.56:	–	1.54		1036	464.8	687.6	19.08	1.73::	–	2.24:	
984	566.2	311.4	18.50	1.57:	–	2.06		1037	806.5	836.0	19.10::	-1.12::	–	–	
985	510.6	214.1	18.50	1.85:	–	2.21		1038	990.5	461.1	19.11	1.44::	–	2.18	
986	1254.7	1212.3	18.52	1.61:	–	1.63		1039	169.6	293.9	19.14	1.72::	–	–	
987	255.0	155.7	18.52	1.70	–	2.12::		1040	989.6	374.5	19.20	1.29:	–	1.69	
988	606.9	818.6	18.53:	1.18::	–	–		1041	972.5	206.6	19.21	0.99:	–	1.74	
989	806.0	721.0	18.53::	5.47::	–	1.59:		1042	1216.3	1138.7	19.23:	-0.32::	–	–	
990	355.2	541.9	18.53	1.58:	–	2.37		1043	71.4	574.5	19.23	1.84::	–	1.96	
991	492.3	245.0	18.54	1.60:	–	2.13		1044	978.3	536.9	19.25::	-0.91::	–	–	
992	250.0	20.5	18.55	1.45	–	2.06		1045	740.6	776.8	19.34::	-0.47::	–	2.83	
993	592.1	54.9	18.56	1.91:	–	2.25		1046	1415.4	1128.0	19.36	1.43::	–	2.64	
994	616.1	301.4	18.58	1.20:	–	2.13		1047	498.4	413.0	19.39	1.52::	–	1.93	
995	1016.5	300.2	18.60	1.59:	–	1.72		1048	1287.7	1288.5	19.40	0.77::	–	2.22:	
996	229.9	116.0	18.60	1.85:	–	2.20		1049	779.8	952.0	19.50::	1.93::	–	2.81	
997	202.4	483.5	18.61	1.43	–	2.29		1050	864.1	359.0	19.52	1.56::	–	1.90	
998	756.7	366.8	18.61	1.67:	–	1.65		1051	890.7	128.6	19.65	0.82::	–	1.91	
999	1120.2	1307.1	18.62:	1.36::	–	2.58		1052	1078.1	807.6	19.75::	-1.06::	–	–	
1000	588.6	862.1	18.63:	1.11::	–	2.70		1053	111.9	684.6	19.77	1.95::	–	–	
1001	1266.7	1362.7	18.67	1.41:	–	2.26		1054	820.8	556.0	19.89::	-0.34::	–	2.52	
1002	322.9	63.1	18.67	1.36	–	1.59		1055	1082.0	847.2	19.91::	-0.80::	–	–	
1003	840.8	704.2	18.68:	0.57::	–	2.48		1056	1000.6	287.2	20.09:	2.30::	–	–	
1004	559.7	99.2	18.68	1.49	–	1.88		1057	929.1	705.5	20.17::	-0.72::	–	–	
1005	979.6	475.9	18.68	1.26:	–	1.73::		1058	580.9	549.1	20.43::	-1.46::	–	–	
1006	1050.9	1426.4	18.70::	-0.70::	–	2.28		1059	837.3	551.4	20.63::	-0.90::	–	3.64::	
1007	1261.1	1584.3	18.70:	2.02::	–	1.62:		1060	907.7	466.8	21.81::	0.02::	–	–	

Remarks:
lm, likely member; nm, non-member; pm, probable member.
(1), suspected variable in view of the photometric differences between our data and the PHC's. ΔV in relation to PHC V mag are: #13 = −0.16. #38 = −0.18. Also probable β Ceph according to PHC. #41 = 0.13. #69 = −0.17. #72 = −0.12. #148 = −0.12. #153 = −0.15. #166 = −0.16. Also probable variable according to PHC. #169 = −0.11.

(2) variable star according to Balona & Laney (1995).
(3) variable according to Feinstein & Ferrer (1968) and Raboud et al (1997).
(4) β Ceph according to Balona & Laney (1995).

(:) errors from 0.10 to 0.20; (::) errors larger than 0.20

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