TABLE 1. Field Coordinates and Adopted Reddening Values

Field Name	α (1950)	δ (1950)	A_K	$E_{(H-K)}$	$E_{(J-K)}$	A_V	$E_{(V-I)}$
BW4a	18:00:12	-29:59:54	0.14	0.09	0.26	—	—
BW4b	18:00:33	-30:02:36	0.14	0.09	0.26	1.46	0.65
BW6	18:08:41	-31:51:55	0.12	0.08	0.22	—	—

TABLE 2. Journal of Observations

Field	Exposure Set	Date	Scale ″/pix	# of Frames × Exposure (sec)			Calibration Uncertainty		
				J	H	K	J	H	K
BW4a		1993 July 05	0.348	5 × 3	5 × 3	5 × 3	0.004	0.005	0.004
BW4b		”	”	5 × 3	5 × 3	5 × 3	0.005	0.004	0.004
BW4a	1	1993 July 07	0.348	4 × 3	5 × 3	5 × 3	0.030	0.029	0.061
BW4a	2	”	”	—	—	5 × 1	—	—	0.052
BW4b	1	1993 July 07	0.348	5 × 3	5 × 3	5 × 3	0.056	0.048	0.097
BW4b	2	”	”	5 × 3	5 × 3	4 × 3	0.046	0.051	0.045
BW4b	3	”	”	9 × 60	18 × 30	41 × 20	0.028	0.051	0.037
BW4b	4	”	”	10 × 60	—	29 × 20	0.034	—	0.016
BW4b	5	”	”	—	—	18 × 20	—	—	0.031
BW6	1	1991 July 22	0.52	10 × 10	10 × 10	3 × 10	0.024	0.021	0.028
BW6	2	”	”	15 × 150	15 × 150	50 × 45	0.041	0.038	0.042

TABLE 3. BW4a Data

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
1	59.9	116.4	8.363	1.064	0.332	B38
2	110.2	181.1	8.546	0.677	—	B31
3	255.8	151.4	8.616	0.788	0.232	
4	67.5	207.1	8.805	0.982	0.254	B36
5	111.1	65.2	9.040	0.973	0.164	B28
6	186.3	186.8	10.076	0.946	0.243	B20
7	126.4	178.7	10.175	0.765	0.113	
8	217.1	217.4	10.516	0.838	0.209	
9	189.9	119.0	10.937	0.834	0.212	B18
10	74.0	10.9	10.977	0.394	-0.198	
11	29.3	179.3	11.241	0.602	0.072	
12	50.5	130.9	11.290	0.737	0.172	
13	242.3	148.0	11.328	0.660	0.134	
14	171.1	96.4	11.459	0.728	0.162	
15	52.2	12.5	11.506	0.652	0.139	
16	72.4	10.2	11.665	—	—	
17	85.6	169.6	11.889	0.820	0.169	
18	138.2	225.2	12.098	0.553	0.071	
19	77.3	102.1	12.235	0.662	0.137	
20	258.9	121.8	12.416	0.637	—	
21	176.4	214.1	12.423	0.632	0.088	
22	101.2	112.9	12.447	0.696	0.137	
23	231.2	59.5	12.453	0.601	0.063	
24	224.2	224.4	12.596	0.773	0.195	
25	224.1	37.4	12.635	0.653	0.154	
26	162.9	182.6	12.641	0.580	0.062	IV-167
27	163.7	227.6	12.654	0.594	0.059	
28	92.1	70.1	12.665	0.400	0.005	
29	210.0	233.7	12.666	0.667	0.203	
30	96.1	137.6	12.689	0.714	0.124	
31	244.1	220.5	12.699	0.741	0.185	
32	10.1	112.7	12.718	0.495	0.198	
33	231.5	148.5	12.729	0.627	0.136	
34	184.6	31.6	12.731	0.533	0.073	
35	129.9	66.5	12.743	0.680	0.194	
36	236.2	140.2	12.745	0.624	0.092	
37	167.2	232.5	12.794	0.677	0.218	
38	156.8	54.8	12.807	0.531	0.054	
39	110.3	138.6	12.826	0.469	0.087	
40	146.6	10.5	12.832	0.506	0.037	
41	76.8	35.4	12.841	0.557	0.099	
42	237.0	248.8	12.870	—	—	
43	31.7	233.3	12.877	0.597	0.108	
44	138.6	236.1	12.883	0.752	0.224	
45	217.7	80.3	12.892	0.497	0.062	
46	196.8	100.5	12.900	0.583	0.130	
47	106.0	140.8	12.901	0.544	0.096	
48	19.4	220.0	12.928	0.625	0.176	

TABLE 3. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
49	51.0	28.6	12.945	0.705	0.097	
50	254.4	160.7	12.969	0.584	0.107	
51	23.2	135.3	12.990	0.572	0.139	
52	210.9	228.8	13.023	0.667	0.177	
53	108.4	187.3	13.029	—	—	
54	78.2	79.7	13.051	0.629	-0.066	
55	73.1	37.7	13.062	0.117	-0.074	
56	152.8	78.9	13.075	0.431	-0.142	
57	201.7	172.2	13.085	0.571	0.043	
58	227.3	46.9	13.088	0.592	0.033	
59	31.4	257.8	13.109	—	—	
60	212.1	98.7	13.114	0.594	0.083	
61	104.4	62.3	13.117	0.417	-0.037	
62	246.4	196.7	13.124	0.608	0.119	
63	19.5	134.8	13.146	0.756	0.234	
64	158.2	27.6	13.146	0.445	0.028	
65	163.1	163.6	13.150	0.466	—	
66	245.1	56.1	13.154	0.541	0.182	
67	108.8	173.9	13.163	—	—	
68	254.9	144.9	13.170	—	—	
69	94.8	110.5	13.170	0.709	0.103	
70	55.7	48.8	13.212	0.599	0.178	
71	141.8	82.8	13.243	0.565	0.202	
72	151.1	128.1	13.246	0.556	0.089	
73	59.4	109.1	13.247	—	—	
74	254.0	95.8	13.261	0.698	0.190	
75	52.2	71.2	13.302	0.582	0.162	
76	73.0	163.4	13.302	0.653	-0.002	
77	240.3	155.9	13.324	0.443	-0.007	
78	260.0	23.6	13.368	0.423	—	
79	199.9	207.8	13.368	0.621	0.125	
80	144.2	180.1	13.396	0.670	0.032	
81	45.6	88.6	13.407	0.719	0.089	
82	109.2	127.2	13.416	0.517	0.008	
83	107.0	38.5	13.427	0.456	0.075	
84	135.3	105.7	13.467	0.517	0.072	
85	226.6	153.9	13.480	0.523	0.078	
86	174.1	204.9	13.486	0.671	0.035	
87	258.2	114.5	13.497	0.488	0.119	
88	233.5	10.8	13.528	0.694	0.013	
89	237.2	210.3	13.575	0.781	0.309	
90	67.0	200.6	13.584	—	—	
91	203.0	94.9	13.590	0.712	0.065	
92	59.4	123.4	13.593	—	0.076	
93	14.3	191.8	13.611	0.536	-0.029	
94	154.9	29.1	13.613	0.702	-0.060	
95	155.0	79.1	13.630	—	—	
96	200.7	203.1	13.643	0.502	0.053	

TABLE 3. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
97	86.9	25.4	13.655	0.543	0.061	
98	182.4	216.1	13.676	0.476	-0.146	
99	28.3	164.2	13.685	0.262	0.165	
100	190.7	246.7	13.734	—	—	
101	75.3	79.3	13.740	0.523	—	
102	173.3	255.6	13.744	—	—	
103	37.1	66.8	13.760	0.628	0.158	
104	49.7	215.4	13.783	0.570	0.017	
105	176.3	51.7	13.793	0.832	0.189	
106	99.3	83.8	13.808	0.553	0.179	
107	110.3	59.1	13.815	—	—	
108	73.1	18.8	13.831	0.648	0.315	
109	44.1	248.0	13.833	—	—	
110	164.8	167.7	13.835	0.249	-0.167	
111	66.8	214.7	13.846	—	0.456	
112	152.1	10.2	13.864	—	0.016	
113	193.9	10.0	13.866	0.451	-0.004	
114	55.2	108.6	13.889	0.830	—	
115	252.0	114.2	13.931	0.051	-0.195	
116	44.5	241.8	13.977	0.559	0.326	
117	110.0	71.4	13.981	—	—	
118	235.9	199.0	14.001	0.648	0.131	
119	41.4	134.2	14.018	0.683	0.172	
120	45.3	176.4	14.069	0.447	0.015	
121	129.1	219.4	14.073	0.467	0.005	
122	215.0	212.0	14.126	0.659	0.256	
123	22.7	48.7	14.164	0.552	-0.129	
124	157.6	156.8	14.184	0.475	-0.009	
125	68.6	234.4	14.200	—	0.012	
126	87.5	199.9	14.226	0.424	0.055	
127	21.3	2.8	14.235	0.527	0.309	
128	109.8	190.6	14.255	—	—	
129	172.8	251.4	14.257	—	—	
130	39.3	37.9	14.271	0.409	0.096	
131	235.9	223.4	14.293	0.807	0.159	
132	185.9	3.0	14.300	0.970	0.297	
133	68.3	72.5	14.303	0.479	0.521	
134	138.8	21.7	14.305	0.511	-0.042	
135	213.8	19.9	14.306	0.899	0.011	
136	123.2	29.0	14.323	0.409	-0.149	
137	56.3	138.8	14.324	0.154	-0.013	
138	110.4	73.2	14.336	—	—	
139	183.5	252.0	14.341	—	—	
140	67.4	65.9	14.348	0.531	0.180	
141	127.8	90.1	14.363	0.508	0.180	
142	75.3	4.9	14.363	—	—	
143	45.1	39.1	14.393	0.173	-0.216	
144	256.9	2.5	14.413	—	—	

TABLE 3. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
145	118.5	185.6	14.422	0.289	—	
146	256.8	174.4	14.428	—	0.057	
147	180.2	246.1	14.443	—	0.060	
148	237.5	52.9	14.482	—	—	
149	180.2	226.5	14.488	—	0.032	
150	199.1	220.9	14.497	0.610	0.151	
151	105.4	149.0	14.501	—	0.007	
152	198.1	179.6	14.511	0.788	-0.239	
153	152.9	140.7	14.518	—	—	
154	90.3	49.1	14.520	0.398	0.147	
155	129.1	83.8	14.531	0.243	0.131	
156	173.7	242.8	14.550	—	—	
157	85.5	219.9	14.563	—	—	
158	140.5	35.6	14.564	—	0.136	
159	186.9	218.3	14.572	—	-0.033	
160	108.6	9.0	14.575	—	—	
161	43.6	105.6	14.587	—	0.219	
162	72.6	76.3	14.599	0.293	-0.020	
163	23.8	128.4	14.632	—	—	
164	243.3	35.9	14.639	—	—	
165	62.4	82.5	14.734	—	—	
166	257.2	36.3	14.743	—	—	
167	194.2	220.8	14.761	—	—	
168	225.4	219.4	14.821	—	—	
169	250.6	166.0	14.837	—	—	
170	105.4	135.5	14.917	—	-0.455	
171	78.3	212.4	15.105	—	—	
172	257.1	255.3	15.163	—	—	

TABLE 4. BW4b Data

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
1	20.8	140.1	9.651	0.881	0.239	16.830	3.555	
2	109.3	77.4	9.790	0.871	0.150	15.918	3.011	B162
3	153.4	152.9	10.009	0.687	0.165	14.356	1.938	
4	246.0	125.0	10.017	0.920	0.227	15.476	2.498	B144
5	133.5	69.8	10.177	0.816	0.169	15.097	2.233	B159
6	137.3	207.7	10.218	0.927	0.174	15.508	2.437	B153
7	86.1	185.7	10.236	0.784	0.072	14.711	1.988	B166
8	227.4	244.1	10.288	—	—	15.753	2.384	
9	213.8	149.2	10.372	0.829	0.212	15.456	2.315	
10	247.9	5.6	10.396	0.854	0.170	16.126	2.754	B143
11	101.9	35.2	10.798	0.718	0.111	15.682	2.229	
12	55.7	130.2	10.925	0.685	0.098	15.118	1.859	B169
13	174.2	77.6	11.003	0.678	0.128	15.479	1.963	
14	207.1	213.9	11.111	0.877	0.170	16.218	2.384	B150
15	228.4	106.9	11.157	0.735	0.122	15.942	2.112	B145
16	99.9	117.2	11.228	0.773	0.199	15.906	2.094	
17	83.3	230.7	11.356	1.229	0.141	16.449	2.328	
18	228.5	235.0	11.453	1.138	0.822	16.646	2.309	
19	255.1	225.1	11.496	1.199	0.787	15.932	1.843	
20	92.8	50.2	11.532	1.252	0.548	16.390	2.164	
21	169.3	11.4	11.610	0.577	0.116	15.793	1.828	
22	204.9	67.5	11.627	1.123	0.519	16.437	2.140	
23	166.3	193.6	11.648	0.780	0.515	16.187	1.984	
24	249.3	68.6	11.713	—	1.341	16.989	1.663	
25	151.7	9.7	11.726	0.528	0.058	15.547	1.677	
26	112.4	246.0	11.902	0.635	—	16.134	1.894	
27	212.2	101.1	12.004	0.865	0.164	16.496	1.911	
28	77.0	60.8	12.004	0.755	0.161	16.403	1.875	
29	194.9	226.7	12.039	0.556	0.247	16.017	1.817	
30	58.5	189.2	12.089	0.642	0.094	16.097	1.769	
31	211.2	26.8	12.100	0.695	0.004	—	—	
32	91.3	-4.9	12.143	1.041	0.577	16.740	1.866	
33	68.4	6.4	12.148	1.129	0.606	16.666	1.772	
34	66.9	168.1	12.150	0.736	0.021	16.294	1.851	
35	30.7	208.9	12.229	0.719	0.074	16.652	1.978	
36	169.5	85.6	12.240	0.822	0.281	16.565	1.795	
37	3.9	55.7	12.265	—	0.195	16.301	1.517	
38	98.6	203.0	12.322	0.678	0.085	16.567	1.948	
39	260.4	188.1	12.326	0.563	-0.150	16.428	1.864	
40	34.7	77.9	12.497	0.511	0.074	16.114	1.591	
41	26.6	11.9	12.541	0.356	-0.112	15.880	1.552	
42	252.8	229.0	12.556	1.795	0.006	17.675	1.694	
43	68.5	198.1	12.559	0.619	0.135	16.714	1.870	
44	156.1	-2.0	12.588	—	0.139	16.663	1.650	
45	46.8	146.4	12.602	0.660	0.106	16.774	1.846	
46	74.9	175.9	12.607	—	0.320	16.562	1.749	
47	130.2	36.6	12.634	0.576	0.067	16.438	1.662	
48	84.1	90.1	12.647	0.594	0.130	16.774	1.874	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
49	161.0	180.6	12.655	0.729	0.173	16.955	1.905	
50	139.1	176.3	12.704	0.605	0.123	16.594	1.757	
51	97.5	86.8	12.753	0.628	0.098	16.764	1.737	
52	4.6	57.8	12.759	—	0.133	16.714	1.773	
53	269.2	120.2	12.815	0.555	0.013	16.986	1.889	
54	71.0	183.2	12.820	0.170	0.007	14.514	0.793	
55	102.1	122.6	12.828	1.000	0.099	16.727	1.718	
56	147.7	62.1	12.837	—	-0.122	17.120	1.869	
57	7.4	72.3	12.855	—	0.135	16.755	1.724	
58	254.0	146.3	12.863	0.620	0.077	16.843	1.742	
59	211.2	-12.3	12.887	—	0.004	17.053	1.916	
60	18.5	241.2	12.912	0.641	0.098	16.767	1.704	
61	224.9	59.0	12.919	0.592	0.124	16.956	1.741	
62	10.3	90.7	12.932	—	0.115	16.877	1.752	
63	23.1	-6.8	12.941	—	-0.061	16.781	1.772	
64	121.2	253.8	12.948	0.567	—	16.840	1.758	
65	95.5	8.7	12.952	0.586	0.058	16.715	1.665	
66	52.8	101.7	12.953	0.596	0.111	16.979	1.784	
67	78.4	151.8	12.976	0.673	0.162	17.293	1.902	
68	208.2	29.5	12.980	0.682	0.083	—	—	
69	229.0	162.7	12.989	0.558	-0.042	16.976	1.728	
70	271.4	101.1	13.000	0.643	—	16.732	1.620	
71	43.9	115.5	13.006	—	0.077	16.773	1.617	
72	37.5	48.1	13.023	0.518	0.018	16.487	1.533	
73	165.1	145.5	13.047	0.670	0.153	17.083	1.748	
74	73.4	163.7	13.047	0.585	0.096	17.005	1.750	
75	253.2	-9.8	13.065	—	-0.618	17.273	1.924	
76	233.8	53.4	13.089	0.701	0.147	17.356	1.860	
77	77.7	252.8	13.115	0.382	—	16.443	1.554	
78	37.6	140.9	13.131	0.661	0.118	17.076	1.748	
79	274.8	31.6	13.138	0.660	—	16.947	1.646	
80	197.3	231.6	13.162	0.598	0.129	16.982	1.698	
81	44.8	220.9	13.167	0.625	0.129	17.300	1.853	
82	276.4	161.3	13.169	—	—	17.049	1.671	
83	171.1	136.6	13.175	0.516	0.117	16.775	1.673	
84	199.7	175.1	13.189	0.594	0.120	—	—	
85	13.9	251.1	13.256	—	—	16.812	1.604	
86	17.4	192.6	13.262	0.474	0.082	16.693	1.594	
87	271.6	10.5	13.274	0.548	—	17.032	1.635	
88	84.4	194.6	13.275	-0.001	0.073	15.137	0.828	
89	112.3	187.8	13.330	0.607	0.134	17.199	1.710	
90	207.3	75.3	13.332	0.371	-0.085	16.851	1.589	
91	278.0	-6.8	13.335	—	—	16.961	1.634	
92	200.0	163.5	13.344	0.345	0.065	15.944	1.119	
93	207.4	26.1	13.374	0.502	-0.067	—	—	
94	37.4	195.4	13.385	0.433	0.105	—	—	
95	167.1	185.2	13.391	0.647	—	17.171	1.628	
96	49.0	80.6	13.400	0.590	0.098	17.365	1.746	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
97	108.2	4.2	13.411	—	0.095	17.470	1.746	
98	177.4	241.7	13.445	0.119	0.058	15.309	0.862	
99	137.1	79.8	13.461	—	—	—	—	
100	262.6	123.8	13.469	0.586	—	16.836	1.247	
101	86.0	57.8	13.487	—	—	—	—	
102	192.5	158.0	13.491	0.633	0.140	17.547	1.731	
103	117.8	256.1	13.500	0.519	—	17.405	1.750	
104	102.3	106.7	13.515	0.588	0.095	17.217	1.609	
105	96.0	61.3	13.517	—	0.073	15.554	0.923	
106	149.5	258.6	13.533	0.076	—	15.362	0.901	
107	188.6	166.2	13.549	0.643	0.111	17.346	1.645	
108	122.1	69.8	13.552	0.631	—	17.524	1.760	
109	213.9	57.9	13.553	—	—	—	—	
110	248.7	25.0	13.560	0.612	0.138	17.664	1.788	
111	176.6	149.4	13.589	0.278	0.070	15.922	1.004	
112	214.5	241.9	13.589	0.443	0.121	16.914	1.483	
113	148.3	48.7	13.607	0.425	0.058	16.808	1.401	
114	41.8	225.9	13.613	0.536	0.075	17.287	1.651	
115	131.8	107.9	13.665	0.653	0.189	17.660	1.769	
116	47.8	243.1	13.667	0.292	—	16.058	1.047	
117	73.5	11.6	13.672	0.593	0.086	17.804	1.843	
118	261.9	125.5	13.709	0.600	—	—	—	
119	188.2	73.3	13.713	0.621	0.092	17.681	1.696	
120	256.1	-0.0	13.714	—	-0.444	17.386	1.852	
121	99.2	147.8	13.743	—	-0.549	16.636	1.580	
122	228.0	200.6	13.751	0.490	0.054	17.111	1.508	
123	116.6	171.2	13.755	0.618	0.127	17.685	1.759	
124	121.6	76.8	13.772	0.660	—	17.920	1.866	
125	29.7	72.0	13.777	0.582	0.095	17.691	1.728	
126	190.1	51.0	13.784	0.287	0.039	16.200	1.063	
127	203.2	129.9	13.791	0.596	0.088	17.586	1.640	
128	90.7	14.7	13.797	0.606	-0.051	—	—	
129	28.6	65.5	13.820	0.552	0.071	17.443	1.470	
130	141.5	-5.4	13.884	—	0.102	17.794	1.736	
131	117.7	125.4	13.884	—	—	—	—	
132	191.3	29.6	13.898	0.597	0.075	17.654	1.636	
133	130.7	-2.5	13.899	—	0.142	17.984	1.746	
134	39.6	193.6	13.925	0.515	0.074	—	—	
135	107.9	124.5	13.952	0.547	0.082	17.573	1.605	
136	9.9	12.5	13.957	—	-0.119	17.011	1.478	
137	276.3	171.8	13.981	—	—	16.588	1.113	
138	115.6	128.9	14.004	0.516	0.161	17.602	1.563	
139	164.8	236.0	14.008	0.122	0.003	16.018	0.960	
140	141.3	13.8	14.013	0.555	0.047	17.561	1.591	
141	237.8	247.8	14.025	0.430	—	15.900	0.987	
142	163.3	19.7	14.031	0.547	0.022	17.713	1.634	
143	32.2	172.7	14.033	0.579	0.086	17.830	1.729	
144	88.9	203.6	14.045	0.588	0.104	17.835	1.661	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
145	256.9	17.8	14.055	0.609	—	17.997	1.756	
146	203.2	75.8	14.061	0.546	0.082	17.736	1.596	
147	188.3	249.4	14.103	0.199	—	16.550	1.128	
148	273.6	115.4	14.134	0.277	—	16.254	0.917	
149	59.9	54.4	14.162	0.552	0.096	17.880	1.686	
150	233.7	230.1	14.168	—	—	—	—	
151	205.7	225.3	14.172	0.131	-0.012	16.083	0.499	
152	242.3	99.2	14.182	0.376	0.065	16.905	1.193	
153	9.2	79.9	14.214	—	—	—	—	
154	85.9	-7.1	14.248	—	0.054	18.090	1.756	
155	106.5	228.9	14.260	0.301	0.071	16.540	0.906	
156	77.8	19.5	14.268	0.227	0.035	16.663	1.072	
157	43.8	137.2	14.282	0.596	0.213	18.264	—	
158	203.5	172.4	14.382	0.616	0.141	18.190	1.683	
159	19.4	119.5	14.391	0.518	0.053	17.896	1.572	
160	175.2	139.0	14.401	0.434	0.103	17.804	1.503	
161	223.9	53.0	14.429	0.516	0.062	18.007	1.516	
162	69.8	224.8	14.441	0.543	0.112	18.020	1.603	
163	84.0	120.1	14.449	0.273	—	18.246	1.667	
164	152.9	141.5	14.450	0.494	0.079	17.929	1.440	
165	123.2	235.4	14.459	0.111	-0.045	16.429	0.979	
166	255.9	259.5	14.469	0.449	—	17.188	1.148	
167	214.7	124.3	14.476	—	0.494	—	—	
168	25.3	263.0	14.492	0.521	—	—	—	
169	154.4	251.9	14.494	0.357	—	17.676	1.499	
170	237.2	245.8	14.494	0.214	—	—	—	
171	254.0	240.3	14.544	0.504	0.204	17.988	1.480	
172	240.3	29.6	14.560	0.468	0.087	18.067	1.562	
173	172.1	46.1	14.567	0.132	0.008	16.759	1.041	
174	25.5	153.0	14.576	2.662	-0.113	—	—	
175	43.6	61.9	14.585	0.516	0.070	18.379	1.633	
176	112.6	18.7	14.593	0.476	0.070	18.150	—	
177	83.3	124.1	14.600	0.295	0.133	17.253	1.174	
178	237.1	205.4	14.602	—	0.558	—	—	
179	218.8	4.5	14.606	0.257	0.038	17.137	1.099	
180	148.8	176.5	14.613	0.472	0.113	17.929	1.471	
181	139.4	91.9	14.624	0.578	0.199	18.307	1.570	
182	10.0	65.8	14.625	—	0.055	17.845	1.455	
183	228.1	257.9	14.631	0.524	—	18.250	1.524	
184	237.2	77.4	14.656	3.061	-0.010	—	—	
185	25.4	25.2	14.659	1.856	-0.276	—	—	
186	105.3	230.4	14.676	0.214	0.149	17.438	1.184	
187	192.1	217.3	14.685	0.574	0.156	18.655	1.777	
188	49.7	199.0	14.691	0.536	0.135	18.474	—	
189	76.8	41.8	14.693	0.230	0.016	17.206	1.162	
190	183.5	-5.3	14.700	—	0.125	18.500	1.671	
191	145.1	68.1	14.722	—	—	—	—	
192	113.5	66.8	14.745	0.657	—	18.286	1.494	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
193	5.0	143.7	14.752	—	—	17.109	1.099	
194	161.3	249.2	14.752	0.399	—	18.215	1.526	
195	265.3	246.4	14.764	0.771	—	18.679	1.707	
196	49.6	49.7	14.778	0.441	0.112	18.078	1.479	
197	43.5	151.6	14.781	0.225	0.009	17.223	1.101	
198	157.6	46.7	14.791	0.298	0.082	17.327	1.138	
199	14.2	196.6	14.801	—	0.146	18.325	—	
200	34.5	196.0	14.805	0.679	—	—	—	
201	99.0	243.9	14.811	1.321	—	—	—	
202	27.7	89.1	14.813	0.420	0.053	18.027	1.447	
203	176.2	119.2	14.816	0.562	0.151	18.752	1.744	
204	153.3	25.4	14.817	—	-0.343	—	—	
205	127.4	184.6	14.826	—	0.483	—	—	
206	129.6	185.1	14.848	—	0.724	—	—	
207	127.8	56.7	14.858	—	—	—	—	
208	109.0	205.6	14.869	—	0.087	—	—	
209	23.1	220.0	14.873	0.560	0.118	18.431	1.512	
210	53.6	106.4	14.878	0.594	0.196	18.654	1.594	
211	20.8	35.1	14.878	0.326	—	17.885	1.386	
212	21.2	78.7	14.883	0.546	0.070	18.294	1.554	
213	234.8	61.8	14.894	0.535	0.039	—	—	
214	127.9	255.8	14.897	0.371	—	17.854	1.319	
215	165.5	45.6	14.905	0.191	0.089	17.294	1.058	
216	277.4	134.0	14.906	—	—	18.314	1.464	
217	73.1	49.6	14.929	0.527	0.083	18.278	1.378	
218	101.1	-0.7	14.963	—	0.077	17.597	1.237	
219	223.6	214.8	14.968	0.342	0.044	17.759	1.297	
220	204.8	176.9	14.970	0.568	0.228	18.381	1.324	
221	257.5	167.7	14.981	0.491	—	18.270	1.434	
222	226.5	-2.2	14.982	—	0.109	18.223	1.379	
223	109.7	88.7	15.005	0.610	0.213	18.811	1.633	
224	213.2	125.6	15.011	—	-0.176	—	—	
225	115.4	-10.0	15.018	—	—	18.149	1.335	
226	111.9	59.4	15.021	0.357	0.115	17.867	1.236	
227	205.4	227.8	15.022	0.566	0.394	—	—	
228	132.7	234.4	15.031	0.539	0.236	—	—	
229	227.2	119.1	15.043	0.279	0.061	17.827	1.215	
230	122.3	78.5	15.065	—	—	18.745	1.736	
231	207.1	178.6	15.070	0.167	0.029	17.435	1.191	
232	149.1	182.1	15.092	0.565	0.162	18.597	1.581	
233	90.2	237.9	15.107	1.169	—	—	—	
234	9.4	211.7	15.111	—	—	18.297	—	
235	190.1	75.4	15.129	—	—	18.348	1.477	
236	262.9	143.1	15.151	0.316	—	17.984	1.296	
237	66.6	239.9	15.166	0.514	0.211	18.925	1.683	
238	8.0	3.4	15.177	—	0.154	18.590	1.513	
239	68.4	193.5	15.184	0.414	0.034	—	—	
240	58.9	261.8	15.186	0.433	—	19.086	1.737	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
241	140.8	150.7	15.203	0.425	—	18.788	1.605	
242	237.7	254.0	15.215	0.554	—	18.470	1.357	
243	239.6	195.1	15.222	0.552	0.173	19.243	1.755	
244	240.9	65.6	15.232	—	—	—	—	
245	222.7	115.1	15.234	0.335	0.144	17.784	1.147	
246	173.9	192.3	15.241	0.638	0.304	19.063	1.630	
247	81.7	1.3	15.243	—	0.110	17.843	1.187	
248	243.7	244.8	15.245	0.426	—	18.130	1.230	
249	169.4	133.7	15.252	0.482	0.090	18.201	1.359	
250	130.2	57.3	15.262	—	—	—	—	
251	205.2	20.3	15.264	0.375	0.125	18.177	1.300	
252	275.3	214.5	15.271	—	—	19.044	1.637	
253	32.6	232.8	15.272	—	—	—	—	
254	110.2	259.9	15.273	0.264	—	17.879	1.208	
255	41.1	257.0	15.275	0.347	—	17.676	1.208	
256	120.1	180.4	15.277	0.661	0.201	—	—	
257	172.1	222.9	15.291	0.287	0.099	18.133	1.222	
258	182.0	169.0	15.292	0.256	0.071	18.074	1.225	
259	144.8	155.0	15.301	0.678	—	—	—	
260	248.4	222.5	15.306	0.560	0.199	19.114	1.652	
261	227.0	250.7	15.313	—	—	19.313	1.919	
262	49.4	233.0	15.325	0.203	0.039	17.743	1.133	
263	55.0	9.3	15.331	0.449	0.003	18.787	1.687	
264	208.0	224.0	15.335	—	—	—	—	
265	256.9	70.6	15.345	—	—	—	—	
266	50.7	183.8	15.365	0.040	0.039	17.322	0.939	
267	250.9	180.8	15.377	0.416	0.143	18.318	1.326	
268	86.5	149.6	15.377	—	—	—	—	
269	182.7	96.2	15.382	0.507	0.186	18.914	1.545	
270	202.1	246.7	15.391	0.350	—	18.229	1.307	
271	218.6	118.9	15.405	0.265	-0.007	18.335	1.210	
272	185.7	112.1	15.411	0.522	0.121	18.972	1.461	
273	272.1	134.4	15.412	0.720	—	19.138	1.460	
274	133.7	256.4	15.416	0.286	—	18.124	1.379	
275	250.6	243.1	15.424	0.349	—	18.245	1.272	
276	54.3	255.5	15.425	0.290	—	17.881	1.081	
277	182.4	200.0	15.440	0.398	0.142	18.784	1.533	
278	40.2	78.5	15.442	0.433	0.166	18.501	1.323	
279	109.5	64.9	15.461	0.625	0.220	18.667	1.201	
280	24.6	66.8	15.463	0.559	0.174	18.881	—	
281	178.9	30.6	15.464	0.340	0.140	18.603	1.386	
282	222.7	125.2	15.481	0.335	0.197	18.376	1.381	
283	55.3	121.6	15.493	0.540	0.117	18.867	1.408	
284	114.0	100.5	15.498	0.303	0.106	18.285	1.238	
285	213.6	22.1	15.498	0.541	-0.532	—	—	
286	21.2	123.8	15.500	0.306	0.000	18.690	1.478	
287	169.2	100.2	15.504	0.570	0.182	—	—	
288	226.8	115.3	15.510	0.321	—	—	—	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
289	189.8	261.3	15.515	0.387	—	18.584	1.430	
290	96.7	21.0	15.516	0.323	0.101	18.511	1.326	
291	109.7	20.2	15.525	0.403	0.133	18.921	1.571	
292	81.7	86.4	15.526	—	—	—	—	
293	136.6	194.4	15.527	—	—	—	—	
294	9.6	141.0	15.529	—	0.081	18.798	—	
295	191.4	0.3	15.537	—	0.122	18.435	1.302	
296	167.8	33.2	15.546	0.473	0.138	18.896	1.422	
297	224.0	137.0	15.575	0.249	0.048	18.219	1.289	
298	133.9	33.1	15.575	0.411	0.077	19.073	1.645	
299	142.2	187.8	15.589	1.865	—	—	—	
300	67.6	151.7	15.613	0.524	0.141	18.807	—	
301	31.5	226.5	15.632	0.331	0.137	18.678	—	
302	89.2	105.1	15.639	0.183	0.070	18.457	1.406	
303	210.1	122.7	15.639	0.452	0.186	—	—	
304	56.9	1.8	15.653	—	0.048	19.189	1.553	
305	275.4	48.3	15.655	—	—	—	—	
306	91.8	-9.9	15.658	—	—	19.001	1.785	
307	41.7	16.9	15.664	0.234	0.013	18.038	1.066	
308	220.9	230.7	15.669	0.525	—	18.520	1.176	
309	252.6	173.4	15.670	0.230	0.098	18.011	1.187	
310	90.5	130.5	15.675	0.436	0.190	18.791	1.393	
311	19.3	73.0	15.690	0.140	-0.108	17.883	1.094	
312	173.7	214.9	15.692	0.384	0.143	—	—	
313	217.5	54.1	15.693	0.322	-0.023	19.044	1.459	
314	266.6	9.0	15.699	0.318	—	—	—	
315	96.5	144.7	15.701	—	—	—	—	
316	194.0	63.2	15.703	0.222	0.073	18.477	1.367	
317	64.0	-6.8	15.708	—	0.187	18.683	1.422	
318	171.8	100.5	15.708	0.506	0.172	—	—	
319	95.6	14.6	15.712	0.348	0.063	18.711	1.372	
320	257.0	-4.6	15.719	—	—	—	—	
321	66.0	75.5	15.720	0.275	0.150	18.493	1.235	
322	93.7	223.7	15.723	—	—	18.714	—	
323	192.1	201.3	15.724	0.296	0.179	18.700	1.316	
324	145.0	7.2	15.724	—	-0.353	—	—	
325	47.0	101.3	15.725	—	—	—	—	
326	31.9	157.4	15.734	0.377	0.197	18.727	1.371	
327	59.4	241.2	15.734	0.668	0.504	19.554	1.548	
328	130.7	218.1	15.736	0.437	—	—	—	
329	32.0	227.6	15.741	—	—	—	—	
330	41.1	29.5	15.748	0.140	-0.030	18.255	1.315	
331	276.3	52.8	15.755	—	—	—	—	
332	54.5	214.1	15.764	0.587	0.198	—	—	
333	170.2	181.1	15.764	0.485	0.042	—	—	
334	165.2	56.8	15.782	0.446	0.024	—	—	
335	205.9	48.4	15.783	0.255	0.190	18.267	1.206	
336	262.6	108.5	15.789	0.472	—	19.366	1.456	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
337	24.7	177.2	15.791	0.808	0.216	19.401	1.709	
338	39.1	-4.5	15.793	—	0.022	18.599	1.292	
339	6.6	19.7	15.801	—	0.246	—	—	
340	257.2	121.3	15.813	0.509	—	—	—	
341	191.2	-4.3	15.819	—	0.174	18.699	1.288	
342	60.5	41.1	15.822	0.192	-0.028	18.865	1.400	
343	47.9	33.8	15.829	0.417	—	18.599	—	
344	165.8	130.2	15.829	0.383	0.110	18.654	1.345	
345	80.2	215.7	15.832	0.330	—	18.682	—	
346	230.3	7.1	15.833	0.169	0.124	18.338	1.170	
347	185.4	32.4	15.841	0.638	0.282	19.515	1.571	
348	160.9	97.0	15.843	0.497	—	—	—	
349	124.5	115.9	15.845	0.299	0.217	18.725	1.405	
350	150.6	-4.1	15.846	—	—	—	—	
351	167.8	67.3	15.848	0.456	0.078	19.377	1.596	
352	220.4	125.2	15.861	0.690	0.359	—	—	
353	179.3	180.8	15.863	0.407	0.140	18.874	1.377	
354	15.1	112.8	15.865	—	0.278	—	—	
355	129.7	-7.2	15.867	—	0.039	18.964	—	
356	190.0	139.4	15.869	0.235	0.122	18.330	1.071	
357	175.2	218.0	15.870	0.475	0.342	18.554	1.458	
358	127.1	104.1	15.872	0.552	0.289	19.074	1.278	
359	90.9	44.7	15.873	0.803	—	19.456	1.518	
360	15.9	118.2	15.873	0.438	-0.007	—	—	
361	169.4	63.6	15.874	0.495	0.155	19.079	1.267	
362	181.7	40.1	15.880	0.254	0.170	18.659	—	
363	266.0	222.9	15.906	0.879	—	—	—	
364	273.3	-1.5	15.917	—	—	—	—	
365	275.2	149.0	15.921	—	—	18.648	1.280	
366	231.6	66.4	15.927	0.336	—	—	—	
367	197.1	134.0	15.935	0.242	0.019	18.653	1.264	
368	183.6	139.9	15.939	0.473	0.306	19.191	1.479	
369	50.6	114.3	15.939	—	0.373	19.414	1.414	
370	221.7	233.2	15.941	—	—	—	—	
371	96.2	188.7	15.951	0.331	0.168	19.173	1.591	
372	230.2	65.7	15.951	—	—	18.843	1.424	
373	78.9	86.9	15.955	0.058	-0.168	18.511	1.062	
374	241.1	179.9	15.956	0.347	0.205	18.834	1.268	
375	220.0	218.4	15.956	0.249	0.045	19.034	—	
376	83.9	137.9	15.958	0.444	0.159	19.143	1.458	
377	217.0	64.5	15.959	—	—	—	—	
378	97.7	222.8	15.965	0.349	0.187	—	—	
379	173.1	111.8	15.969	0.345	0.229	18.891	1.269	
380	200.9	3.6	15.979	—	0.076	—	—	
381	147.5	214.1	15.999	0.364	0.150	18.765	—	
382	9.2	176.4	16.004	—	0.292	19.237	—	
383	163.9	256.3	16.005	0.327	—	18.856	1.321	
384	196.5	146.7	16.014	0.284	0.125	—	—	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
385	141.9	126.7	16.017	0.327	—	—	—	
386	90.3	97.5	16.019	0.273	0.207	18.619	1.279	
387	197.1	-6.8	16.023	—	0.199	19.152	1.475	
388	137.2	190.8	16.027	—	—	—	—	
389	193.5	75.0	16.029	0.343	-0.013	—	—	
390	29.0	232.6	16.030	—	—	—	—	
391	78.3	124.1	16.034	0.395	0.095	19.017	1.381	
392	206.0	102.7	16.041	0.184	—	18.748	1.293	
393	163.1	209.5	16.044	0.271	0.106	18.720	1.214	
394	122.3	45.9	16.045	0.272	0.294	18.713	1.371	
395	45.0	128.3	16.046	0.556	—	19.440	1.553	
396	109.2	132.9	16.046	0.317	0.146	—	—	
397	167.1	-5.0	16.047	—	0.261	—	—	
398	101.4	172.5	16.052	0.454	0.139	19.663	1.761	
399	111.2	161.1	16.058	0.655	0.194	18.937	—	
400	43.9	88.6	16.064	0.287	0.077	18.776	—	
401	179.8	197.0	16.064	0.510	0.294	18.903	1.131	
402	255.5	33.2	16.065	0.374	—	—	—	
403	105.5	221.2	16.069	0.319	0.100	19.276	—	
404	90.6	91.2	16.070	0.344	0.247	18.798	1.307	
405	101.7	125.5	16.076	—	0.170	—	—	
406	111.0	117.0	16.077	0.540	0.199	—	—	
407	5.2	47.8	16.080	—	-0.115	—	—	
408	201.6	198.6	16.082	0.476	0.226	19.331	1.401	
409	259.2	6.7	16.082	0.571	—	—	—	
410	25.9	79.9	16.083	0.266	0.218	18.789	1.285	
411	14.8	200.3	16.084	—	—	20.060	1.676	
412	106.2	132.4	16.084	0.472	0.266	—	—	
413	153.4	111.2	16.089	0.632	—	—	—	
414	197.8	3.8	16.091	—	0.141	—	—	
415	19.7	198.1	16.097	-0.005	-0.012	18.828	1.409	
416	136.9	216.7	16.098	0.748	—	—	—	
417	254.0	232.2	16.098	0.593	—	—	—	
418	192.4	209.1	16.100	0.527	0.413	19.115	1.334	
419	220.4	65.6	16.100	0.860	—	—	—	
420	44.9	86.0	16.105	0.437	0.038	18.975	—	
421	77.9	145.2	16.123	0.426	0.176	19.658	1.538	
422	216.3	214.9	16.123	0.689	0.400	—	—	
423	53.2	180.3	16.124	0.314	0.128	19.052	1.371	
424	48.5	31.5	16.126	0.628	—	19.082	—	
425	77.6	210.3	16.128	0.240	-0.066	19.351	1.619	
426	146.3	187.5	16.128	—	—	—	—	
427	25.1	114.8	16.133	0.349	0.205	—	—	
428	44.6	17.8	16.138	0.539	0.384	—	—	
429	175.6	230.5	16.141	0.295	0.234	18.744	1.151	
430	97.2	171.5	16.143	—	—	—	—	
431	143.3	242.1	16.147	0.259	0.362	—	—	
432	127.6	197.3	16.153	0.315	0.295	19.266	—	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
433	127.3	172.6	16.160	0.209	0.045	18.867	1.213	
434	130.0	229.6	16.161	0.427	0.244	19.190	—	
435	123.8	12.1	16.166	0.386	0.175	—	—	
436	169.1	178.6	16.167	0.473	0.251	—	—	
437	166.8	166.4	16.168	0.270	0.111	19.072	1.296	
438	239.6	95.2	16.171	0.622	0.338	—	—	
439	130.6	48.0	16.173	0.475	0.346	—	—	
440	110.2	174.9	16.174	0.228	0.202	18.293	—	
441	226.6	74.5	16.174	0.803	0.398	19.235	—	
442	201.1	133.6	16.176	0.282	—	—	—	
443	86.9	222.4	16.187	0.670	0.514	—	—	
444	245.2	138.6	16.190	0.725	—	—	—	
445	93.4	225.5	16.190	0.104	0.116	—	—	
446	201.7	135.7	16.191	1.180	0.149	19.148	1.406	
447	250.0	93.1	16.194	0.752	0.262	—	—	
448	239.7	20.7	16.195	0.294	0.048	19.301	—	
449	72.7	190.0	16.195	0.189	—	—	—	
450	85.0	217.6	16.198	0.606	—	19.212	1.394	
451	122.1	248.2	16.202	—	—	—	—	
452	188.6	67.3	16.213	0.776	0.404	—	—	
453	124.3	229.4	16.216	0.635	0.380	—	—	
454	96.2	235.4	16.220	0.600	0.231	—	—	
455	5.4	214.3	16.221	—	0.107	—	—	
456	33.4	228.9	16.223	—	-0.444	—	—	
457	223.3	169.7	16.229	0.478	—	—	—	
458	202.8	60.6	16.229	0.297	0.037	—	—	
459	250.2	198.2	16.240	—	-0.271	—	—	
460	154.4	125.8	16.240	0.622	0.361	—	—	
461	76.5	204.8	16.245	0.271	0.048	—	—	
462	86.7	107.2	16.246	0.527	0.258	—	—	
463	179.4	22.6	16.248	0.368	—	—	—	
464	90.4	124.4	16.255	0.231	0.106	18.769	1.255	
465	161.7	12.5	16.258	0.553	0.315	—	—	
466	244.0	145.1	16.269	0.382	0.244	—	—	
467	262.8	176.9	16.270	0.394	—	19.098	1.251	
468	264.2	171.1	16.271	0.341	—	19.321	1.479	
469	32.9	254.5	16.281	—	—	—	—	
470	162.9	86.4	16.297	0.436	—	—	—	
471	238.5	87.6	16.298	0.416	0.267	—	—	
472	151.2	1.6	16.299	—	—	—	—	
473	122.0	89.1	16.310	0.571	—	19.212	1.332	
474	172.2	157.1	16.313	0.254	0.225	19.113	—	
475	127.7	134.3	16.322	0.501	—	—	—	
476	210.9	201.9	16.326	-0.083	0.007	—	—	
477	77.6	204.3	16.330	0.656	0.370	18.969	—	
478	239.8	45.5	16.334	0.291	-0.085	19.171	1.380	
479	196.1	192.0	16.335	0.352	0.136	19.372	1.345	
480	146.1	17.8	16.338	0.573	0.327	—	—	

TABLE 4. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	V_0	$(V-I)_0$	Notes:
481	150.6	220.2	16.341	0.591	0.251	—	—	
482	169.8	248.0	16.342	0.074	—	18.834	1.184	
483	208.0	46.9	16.342	0.326	0.182	—	—	
484	89.6	143.6	16.348	0.407	0.262	—	—	
485	269.1	1.4	16.355	—	—	—	—	
486	34.4	135.2	16.366	0.296	0.024	—	—	
487	250.0	207.3	16.370	0.155	0.092	19.187	1.072	
488	277.4	15.3	16.372	—	—	19.540	1.506	
489	262.4	40.6	16.372	0.906	—	—	—	
490	145.5	33.3	16.378	—	0.343	—	—	
491	96.3	130.5	16.382	0.657	0.182	—	—	
492	207.3	200.6	16.400	0.535	—	—	—	
493	260.5	132.9	16.402	0.438	—	19.166	—	
494	221.2	39.6	16.402	0.066	0.027	—	—	
495	51.2	215.0	16.428	0.277	0.117	—	—	
496	254.9	79.4	16.452	—	—	—	—	
497	122.8	-6.6	16.453	—	—	—	—	
498	29.3	161.9	16.464	0.463	0.169	19.007	1.366	
499	257.6	116.4	16.468	0.464	—	—	—	
500	218.3	63.9	16.497	0.490	—	19.067	—	
501	219.8	137.4	16.512	0.601	0.008	—	—	
502	251.2	93.4	16.553	0.254	-0.213	18.908	1.422	
503	193.5	140.1	16.565	0.453	0.302	—	—	
504	270.1	21.0	16.579	—	—	—	—	
505	16.2	124.4	16.610	0.106	-0.290	18.988	1.353	
506	127.9	48.3	16.620	-0.044	-0.213	—	—	
507	244.8	114.3	16.630	0.106	-0.126	—	—	
508	166.2	-8.1	16.714	—	-0.105	—	—	
509	164.0	170.2	16.739	0.404	0.196	19.640	1.349	

TABLE 5. BW6 Data

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
1	89.2	82.5	10.179	0.788	0.133	
2	25.7	103.8	11.350	0.802	0.183	
3	55.0	120.7	11.794	0.776	0.206	
4	38.3	95.4	12.118	0.681	0.166	
5	22.1	27.9	12.341	0.596	0.021	
6	99.3	119.4	12.351	0.706	0.177	
7	40.2	128.4	12.371	0.682	0.168	
8	113.8	114.2	12.372	0.666	0.106	
9	67.2	61.2	12.466	0.662	0.158	
10	115.6	52.7	12.679	0.693	0.106	
11	137.0	59.4	12.832	0.561	—	
12	29.2	89.6	12.920	0.685	0.127	
13	100.8	74.4	12.922	0.587	0.009	
14	64.1	81.1	12.957	0.187	-0.002	
15	100.8	11.6	13.015	1.186	—	
16	131.2	82.2	13.095	0.686	0.147	
17	111.3	126.2	13.146	0.555	0.136	
18	102.9	54.9	13.409	0.529	0.036	
19	104.4	50.8	13.453	0.684	0.145	
20	15.9	44.3	13.487	0.578	0.011	
21	7.9	63.0	13.526	0.534	—	
22	10.6	18.1	13.587	0.803	0.126	
23	43.8	51.2	13.782	0.703	0.147	
24	45.0	139.5	13.851	0.624	—	
25	130.6	115.1	13.921	0.594	0.182	
26	49.2	41.6	13.962	0.432	0.043	
27	84.5	64.3	14.107	0.313	0.056	
28	28.0	24.7	14.140	0.595	-0.012	
29	139.1	68.5	14.212	0.687	—	
30	31.7	62.6	14.311	0.602	0.081	
31	25.5	31.3	14.341	0.444	0.085	
32	22.5	53.7	14.449	0.636	0.137	
33	8.7	110.1	14.524	1.418	0.173	
34	38.4	13.9	14.549	0.529	0.040	
35	106.7	42.8	14.587	0.618	0.094	
36	16.3	33.8	14.623	-0.013	-0.249	
37	75.9	29.6	14.692	0.442	0.070	
38	100.1	30.9	14.693	0.638	0.107	
39	79.2	137.8	14.726	0.347	0.151	
40	120.5	114.0	14.778	0.461	-0.721	
41	59.9	67.6	14.785	0.354	0.072	
42	51.4	41.0	14.869	0.561	0.193	
43	51.0	93.7	14.896	0.543	0.086	
44	46.7	72.0	14.969	0.310	0.002	
45	87.7	45.2	14.978	0.435	0.090	
46	42.7	57.1	15.034	0.522	0.067	
47	52.4	7.2	15.119	—	—	
48	110.1	32.5	15.129	0.574	0.085	

TABLE 5. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
49	37.1	34.3	15.151	0.449	0.077	
50	113.6	117.3	15.158	0.309	—	
51	43.8	128.0	15.280	0.186	—	
52	141.4	100.3	15.332	0.489	0.089	
53	44.5	38.5	15.359	0.471	0.087	
54	100.6	23.6	15.392	0.657	0.142	
55	52.4	117.6	15.396	0.367	—	
56	125.3	95.0	15.416	0.543	0.157	
57	67.6	29.3	15.431	0.608	0.107	
58	96.8	116.9	15.510	0.518	—	
59	107.4	28.4	15.540	0.384	0.013	
60	98.4	77.0	15.572	—	—	
61	47.5	119.1	15.573	0.439	-0.004	
62	17.4	117.7	15.592	0.334	0.026	
63	55.5	51.1	15.601	0.730	0.218	
64	82.8	107.6	15.624	0.470	0.103	
65	89.5	137.0	15.637	0.738	0.322	
66	107.2	57.0	15.692	—	-0.115	
67	90.6	135.1	15.696	0.401	0.198	
68	42.4	93.9	15.704	0.269	—	
69	26.1	87.6	15.723	0.538	—	
70	16.4	126.4	15.726	0.903	0.519	
71	119.7	107.7	15.738	0.664	—	
72	42.8	117.4	15.741	0.494	0.161	
73	35.2	98.1	15.749	0.357	—	
74	120.6	44.1	15.752	0.553	0.052	
75	117.3	30.8	15.780	0.589	0.063	
76	29.0	56.6	15.833	0.595	—	
77	89.1	73.7	15.837	—	—	
78	101.9	69.4	15.898	0.790	—	
79	53.0	9.9	15.905	—	—	
80	119.0	71.2	15.917	0.475	0.149	
81	51.6	122.6	15.946	0.506	—	
82	51.3	24.0	15.982	—	-0.156	
83	22.7	91.2	15.984	—	—	
84	101.2	114.9	16.002	0.427	—	
85	43.6	23.5	16.013	1.107	0.311	
86	109.5	49.5	16.015	0.552	0.170	
87	100.8	85.8	16.023	0.318	-0.004	
88	137.1	47.0	16.038	0.482	-0.040	
89	115.4	72.0	16.052	0.617	0.225	
90	40.9	104.0	16.078	0.410	0.022	
91	142.7	77.5	16.079	0.628	0.051	
92	64.9	77.3	16.082	0.797	—	
93	67.4	20.1	16.083	0.518	-0.004	
94	20.6	50.1	16.091	0.368	-0.067	
95	81.8	27.4	16.102	0.470	0.028	
96	17.3	78.1	16.122	0.851	—	

TABLE 5. (continued)

ID	X(pixels)	Y(pixels)	K_0	$(J-K)_0$	$(H-K)_0$	Notes:
97	91.2	91.5	16.125	0.662	0.033	
98	28.4	12.4	16.127	0.293	-0.122	
99	107.7	107.1	16.154	0.437	0.185	
100	122.3	99.1	16.170	0.570	0.072	
101	104.9	97.6	16.174	1.009	0.394	
102	144.8	132.3	16.178	0.606	—	
103	35.7	27.9	16.199	0.431	0.087	
104	138.9	64.9	16.236	0.530	—	
105	99.5	95.5	16.237	0.677	0.057	
106	60.8	75.0	16.250	0.511	0.078	
107	140.9	110.8	16.265	0.533	0.214	
108	39.4	135.2	16.275	0.334	-0.011	
109	10.1	127.4	16.278	—	0.214	
110	58.8	116.7	16.293	0.225	—	
111	83.8	56.7	16.317	0.380	0.027	
112	133.0	62.7	16.367	0.830	—	
113	136.6	8.1	16.373	—	—	
114	52.1	78.9	16.386	0.318	-0.028	
115	37.6	101.2	16.386	0.178	—	
116	81.7	66.7	16.404	0.428	-0.048	
117	126.5	41.1	16.416	0.534	0.049	
118	79.7	41.2	16.427	0.656	-0.027	
119	50.4	131.7	16.433	0.367	0.120	
120	81.7	120.6	16.435	0.337	0.119	
121	40.3	52.5	16.474	0.299	-0.038	
122	124.3	10.2	16.482	0.503	—	
123	27.2	61.0	16.484	—	0.407	
124	113.5	98.5	16.511	0.452	0.068	
125	139.7	121.5	16.518	0.374	0.037	
126	9.5	90.7	16.534	—	0.327	
127	140.8	32.4	16.536	0.516	0.178	
128	100.4	136.5	16.590	0.990	0.546	
129	84.9	99.9	16.661	0.635	0.277	
130	41.4	23.1	16.679	0.361	0.110	
131	82.6	99.1	16.723	0.459	0.092	

TABLE 6. Summary of the BW4 Artificial Frame

K Range	Number of Stars Input	Number of Stars Detected	Percent Complete	Absolute Average K Mag. Difference	Average Reported K Error	Mean Difference	Error in Mean Difference
10.00 - 10.25	2	0	0.0	—	—	—	—
10.25 - 10.50	0	0	0.0	—	—	—	—
10.50 - 10.75	1	0	0.0	—	—	—	—
10.75 - 11.00	1	0	0.0	—	—	—	—
11.00 - 11.25	2	0	0.0	—	—	—	—
11.25 - 11.50	1	0	0.0	—	—	—	—
11.50 - 11.75	1	0	0.0	—	—	—	—
11.75 - 12.00	3	0	0.0	—	—	—	—
12.00 - 12.25	7	2	28.6	0.027	0.025	-0.027	0.013
12.25 - 12.50	7	7	100.0	0.031	0.025	-0.013	0.036
12.50 - 12.75	2	2	100.0	0.018	0.025	-0.018	0.018
12.75 - 13.00	7	7	100.0	0.041	0.026	-0.008	0.046
13.00 - 13.25	8	7	87.5	0.033	0.025	-0.019	0.035
13.25 - 13.50	12	11	91.7	0.061	0.027	0.013	0.095
13.50 - 13.75	11	10	90.9	0.039	0.028	-0.016	0.048
13.75 - 14.00	9	8	88.9	0.033	0.034	0.010	0.042
14.00 - 14.25	11	11	100.0	0.028	0.034	-0.008	0.037
14.25 - 14.50	7	6	85.7	0.051	0.035	-0.020	0.067
14.50 - 14.75	18	17	94.4	0.044	0.045	-0.008	0.058
14.75 - 15.00	18	18	100.0	0.056	0.046	-0.008	0.072
15.00 - 15.25	31	30	96.8	0.060	0.055	-0.016	0.077
15.25 - 15.50	23	20	87.0	0.101	0.075	0.005	0.130
15.50 - 15.75	26	22	84.6	0.088	0.081	0.041	0.103
15.75 - 16.00	28	25	89.3	0.087	0.091	0.006	0.113
16.00 - 16.25	39	30	76.9	0.134	0.121	-0.011	0.180
16.25 - 16.50	42	21	50.0	0.167	0.133	0.138	0.202
16.50 - 16.75	67	26	38.8	0.195	0.159	0.178	0.185
16.75 - 17.00	59	9	15.3	0.366	0.158	0.366	0.127
17.00 - 17.25	92	4	4.3	0.841	0.158	0.841	0.653
17.25 - 17.50	95	2	2.1	1.040	0.175	1.040	0.008
17.50 - 17.75	118	0	0.0	—	—	—	—
17.75 - 18.00	157	3	1.9	2.130	0.141	2.130	0.867
18.00 - 18.25	172	1	0.6	2.296	0.096	2.296	—
18.25 - 18.50	177	0	0.0	—	—	—	—
18.50 - 18.75	219	0	0.0	—	—	—	—
18.75 - 19.00	243	1	0.4	3.324	0.075	3.324	
19.00 - 19.25	297	0	0.0	—	—	—	—
19.25 - 19.50	370	1	0.3	5.624	0.055	5.624	—
19.50 - 19.75	408	0	0.0	—	—	—	—
19.75 - 20.00	453	0	0.0	—	—	—	—

TABLE 7. Giant Branch Slopes (Solutions to $(J-K) = b + a \times K$) and Derived [Fe/H]

Field	Intercept	Slope	[Fe/H]	|b|
Liller 1	—	-0.135 ± 0.009	0.26 ± 0.38	0.20
Terzan 2	3.200 ± 0.180	-0.127 ± 0.014	0.07 ± 0.42	2.30
BW3	1.972 ± 0.123	-0.108 ± 0.013	-0.42 ± 0.33	2.70
BW4	2.001 ± 0.052	-0.113 ± 0.005	-0.28 ± 0.16	3.90
BW6	1.867 ± 0.065	-0.098 ± 0.007	-0.65 ± 0.18	6.00
BW8	1.733 ± 0.092	-0.082 ± 0.010	-1.05 ± 0.30	8.00
BW10	1.766 ± 0.135	-0.086 ± 0.014	-0.96 ± 0.37	10.25
BW12	1.937 ± 0.105	-0.108 ± 0.011	-0.40 ± 0.27	12.50

TABLE 8. Metallicity for Various Latitudes

		Mean Metallicities ($\langle$[Fe/H]$\rangle$) from					
Field	|b|	This Study	Terndrup (1988)[a]	Frogel *et al.* (1990)[b]	Tyson (1991)[c]	McWilliam & Rich (1994)	Average[d]
Liller 1	0.20	0.26 ± 0.38	—	—	—	—	0.26 ± 0.38
Terzan 2	2.30	0.07 ± 0.42	—	—	—	—	0.07 ± 0.42
BW3	2.70	-0.42 ± 0.33	—	0.20 ± 0.20	-0.41 ± 0.76	—	-0.21 ± 0.17
BW4	3.90	-0.28 ± 0.16	-0.17 ± 0.13	0.04 ± 0.22	-0.19 ± 0.70	-0.27 ± 0.40	-0.17 ± 0.09
BW6	6.00	-0.65 ± 0.18	-0.40 ± 0.09	-0.09 ± 0.16	0.21 ± 0.60	—	-0.23 ± 0.07
BW8	8.00	-1.05 ± 0.30	-0.60 ± 0.11	-0.02 ± 0.23	-0.74 ± 1.00	—	-0.60 ± 0.09
BW10	10.25	-0.96 ± 0.37	-0.88 ± 0.12	-0.20 ± 0.21	-0.38 ± 0.71	—	-0.61 ± 0.10
BW12	12.50	-0.40 ± 0.27	—	-0.22 ± 0.22	-1.02 ± 0.54	—	-0.55 ± 0.16
BW17	17.30	—	—	—	-1.35 ± 0.30	—	-1.35 ± 0.30
Slope[e]		-0.060 ± 0.033	-0.113 ± 0.004	-0.038 ± 0.010	-0.094 ± 0.019	—	-0.071 ± 0.017

[a] $\langle$[Fe/H]$\rangle$ values have been lowered by -0.15 to correct to $R_0 = 8.0$ Kpc (as suggested in Terndrup 1988.)

[b] $\langle$[Fe/H]$\rangle$ values have had the 30% correction applied as suggested in Frogel *et al.* (1990).

[c] Tyson (1991) calibrated his values using a subset of the bulge stars from Rich (1988). McWilliam & Rich (1994) has since recalibrated these stars, lowering the average [Fe/H] by -0.32. This correction was applied to the values from Tyson (1991).

[d] The Average is an unweighted mean since the uncertainties from the studies were not calculated identically. The uncertainty in the Average is the formal standard deviation in the mean.

[e] (dex/degree) Slopes and associated uncertainties were calculated by least squares fits through the data points. The Average is a least squares fit through all of the data points combined.

TABLE 9. Studies Determining Y for Bulge Stars

Reference	Y	Notes
This Study	0.30 ± 0.03	Without first ascent bump correction (R' method)
	0.27 ± 0.03	With first ascent bump correction (R' method)
Terndrup (1988)	0.32 ± 0.05	Including blue HB stars (R method)
	0.30 ± 0.05	Excluding blue HB stars (R method)
Minniti (1995)	0.28 ± 0.02	Including an AGB Correction (R' method)
Renzini (1994)	0.30 - 0.35	(R_c method)
Davidge (1991)	$\sim$0.12	Davidge only reports an R and R' value not a Y.