

How Are Stars Like People?

Data Sheets

This document contains the following handouts:

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- Data Sheet #2 (3 pages)
- Data Sheet #3 (3 pages)
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Each data sheet contains a table listing information about 4-5 stars from the Pleiades cluster and 100 stars from the M3 cluster. Each group of students should receive its own data sheet and plot the stars listed there on their graph.

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	11.06	10.44	0.62
2	8.63	8.27	0.36
3	6.84	6.82	0.02
4	4.12	4.18	-0.06
5	8.05	7.85	0.20

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	16.11	15.63	0.48
2	20.24	19.83	0.41
3	19.85	19.44	0.41
4	20.87	20.39	0.48
5	20.50	20.01	0.49
6	20.95	20.42	0.53
7	20.46	20.02	0.44
8	20.45	20.01	0.44
9	21.96	21.47	0.49
10	19.64	19.23	0.41
11	21.21	20.72	0.49
12	20.03	19.60	0.43
13	20.44	20.00	0.44
14	20.44	19.99	0.45
15	20.50	20.04	0.46
16	20.79	20.38	0.42
17	20.78	20.20	0.58
18	20.42	19.93	0.49
19	19.02	18.54	0.48
20	20.44	19.98	0.46
21	19.61	19.20	0.41
22	20.53	20.04	0.49
23	20.57	20.10	0.47
24	21.10	20.60	0.50

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	21.28	20.80	0.49
26	20.87	20.46	0.41
27	20.45	19.92	0.54
28	20.56	20.04	0.52
29	19.24	18.79	0.45
30	20.49	20.00	0.49
31	19.49	19.02	0.47
32	21.40	20.88	0.52
33	19.79	19.38	0.41
34	21.24	20.70	0.54
35	20.00	19.57	0.43
36	19.99	19.58	0.41
37	20.76	20.28	0.48
38	21.66	21.03	0.63
39	17.83	17.20	0.62
40	21.75	21.08	0.67
41	18.34	17.65	0.69
42	18.62	17.94	0.67
43	19.27	18.80	0.47
44	21.60	20.98	0.63
45	18.29	17.59	0.71
46	21.29	20.78	0.51
47	18.95	18.33	0.62
48	22.42	21.80	0.62
49	20.23	19.79	0.44
50	20.19	19.75	0.44
51	21.83	21.29	0.55
52	20.59	20.12	0.47
53	19.85	19.44	0.41
54	21.32	20.72	0.60
55	21.63	21.00	0.63
56	21.29	20.81	0.48
57	22.25	21.67	0.58
58	18.39	17.72	0.68
59	22.18	21.65	0.52
60	20.76	20.23	0.52
61	20.72	20.23	0.48
62	19.95	19.53	0.42
63	21.60	21.08	0.52
64	21.09	20.47	0.62

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	20.73	20.24	0.49
66	21.84	21.20	0.63
67	22.09	21.51	0.59
68	17.85	17.19	0.66
69	19.08	18.55	0.53
70	20.76	20.22	0.55
71	21.49	20.95	0.55
72	20.09	19.65	0.44
73	19.08	18.50	0.58
74	20.43	19.87	0.56
75	20.27	19.81	0.46
76	21.44	20.83	0.61
77	22.24	21.55	0.69
78	20.26	19.78	0.48
79	19.97	19.56	0.42
80	21.60	20.98	0.63
81	18.05	17.34	0.72
82	21.40	20.85	0.55
83	21.74	21.10	0.63
84	21.83	21.19	0.64
85	20.16	19.75	0.42
86	21.62	21.02	0.60
87	19.99	19.51	0.47
88	20.26	19.82	0.44
89	21.73	21.02	0.71
90	21.08	20.49	0.58
91	19.00	18.38	0.62
92	16.59	15.77	0.82
93	20.44	19.96	0.48
94	19.99	19.58	0.41
95	21.33	20.68	0.65
96	21.15	20.66	0.49
97	21.67	20.97	0.70
98	21.17	20.53	0.64
99	20.77	20.29	0.48
100	21.36	20.86	0.51

The Pleiades data included here were taken from an activity on the website of the Australia Telescope Outreach and Education program (http://outreach.atnf.csiro.au/education/senior/astrophysics/stellarevolution_pleiadesact.html), copyright © 2004 CSIRO Australia. The M3 data were taken from a catalog published by F.R. Ferraro, et al. (1997), *Astronomy and Astrophysics*, Vol. 320, p. 757 and are reprinted here with permission of the author.

Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	7.62	7.52	0.10
2	9.80	9.25	0.55
3	13.79	12.61	1.18
4	10.25	9.70	0.55
5	4.20	4.31	-0.11

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	22.52	21.76	0.76
2	21.11	20.62	0.48
3	19.06	18.57	0.49
4	19.41	18.99	0.42
5	21.14	20.37	0.77
6	20.07	19.61	0.46
7	20.12	19.67	0.45
8	20.27	19.84	0.43
9	21.92	21.34	0.59
10	20.44	20.07	0.37
11	19.58	19.15	0.43
12	21.41	20.81	0.60
13	20.97	20.41	0.56
14	20.72	20.19	0.53
15	17.99	17.72	0.26
16	18.98	18.46	0.51
17	19.48	19.05	0.43
18	20.50	19.93	0.57
19	20.86	20.32	0.54
20	20.02	19.53	0.49
21	19.86	19.42	0.44
22	21.61	21.00	0.62
23	21.19	20.72	0.47
24	21.36	20.77	0.58

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.63	20.22	0.41
26	19.49	19.05	0.45
27	19.41	18.97	0.44
28	19.89	19.46	0.43
29	21.21	20.71	0.50
30	21.69	21.17	0.52
31	20.04	19.63	0.41
32	21.19	20.86	0.33
33	21.15	20.64	0.51
34	21.36	20.86	0.51
35	20.83	20.27	0.56
36	20.10	19.62	0.48
37	19.45	18.96	0.49
38	20.26	19.81	0.45
39	20.73	20.25	0.48
40	20.03	19.53	0.50
41	20.52	20.00	0.52
42	21.68	21.16	0.52
43	19.98	19.35	0.62
44	21.35	20.79	0.56
45	21.38	20.80	0.58
46	21.67	21.07	0.60
47	21.24	20.64	0.60
48	21.51	20.78	0.73
49	20.90	20.33	0.57
50	21.72	21.08	0.63
51	21.46	20.84	0.62
52	21.60	20.97	0.63
53	20.36	19.91	0.45
54	19.37	19.02	0.35
55	21.38	20.81	0.57
56	21.47	20.89	0.58
57	22.64	21.96	0.68
58	21.11	20.49	0.62
59	21.19	20.57	0.62
60	20.84	20.34	0.50
61	21.62	21.00	0.62
62	20.49	19.82	0.67
63	20.23	19.74	0.49
64	21.60	21.00	0.60

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	19.80	19.35	0.44
66	22.32	21.62	0.70
67	18.74	18.39	0.35
68	21.93	21.24	0.69
69	21.66	20.96	0.69
70	20.46	20.00	0.46
71	19.95	19.51	0.44
72	20.07	19.61	0.46
73	20.74	20.25	0.49
74	19.05	18.52	0.53
75	20.36	19.86	0.50
76	21.82	21.22	0.60
77	20.64	20.13	0.50
78	20.01	19.55	0.46
79	19.26	18.81	0.46
80	18.16	17.49	0.67
81	20.71	20.15	0.56
82	19.59	18.92	0.66
83	21.62	21.03	0.59
84	20.45	19.97	0.48
85	19.67	19.17	0.50
86	20.34	19.87	0.47
87	20.91	20.04	0.88
88	21.91	21.33	0.58
89	19.80	19.37	0.43
90	21.55	20.78	0.77
91	20.64	20.07	0.57
92	22.46	21.73	0.73
93	21.30	20.78	0.52
94	21.11	20.55	0.56
95	22.02	21.27	0.75
96	20.15	19.73	0.43
97	19.97	19.49	0.47
98	19.28	18.77	0.51
99	21.37	20.85	0.52
100	21.55	20.86	0.69

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	6.57	6.60	-0.03
2	10.42	9.88	0.54
3	9.93	9.46	0.47
4	5.72	5.76	-0.04
5	11.02	10.39	0.63

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	21.91	21.30	0.61
2	20.65	20.18	0.47
3	19.56	19.13	0.43
4	18.39	17.73	0.66
5	21.75	21.11	0.64
6	19.92	19.51	0.41
7	21.29	20.67	0.62
8	20.61	20.08	0.54
9	20.76	20.24	0.53
10	19.44	18.73	0.72
11	20.71	20.26	0.45
12	21.66	20.89	0.77
13	20.40	19.89	0.50
14	20.78	20.26	0.51
15	19.30	18.73	0.57
16	19.99	19.55	0.44
17	20.09	19.59	0.50
18	21.12	20.54	0.58
19	21.83	21.05	0.77
20	22.00	21.45	0.55
21	20.59	20.08	0.51
22	20.30	19.74	0.56
23	17.82	17.09	0.73
24	14.68	13.84	0.84

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.39	19.90	0.49
26	20.05	19.68	0.37
27	20.49	19.90	0.59
28	20.95	20.18	0.77
29	18.99	18.60	0.40
30	20.39	19.92	0.47
31	20.10	19.64	0.46
32	19.97	19.51	0.46
33	20.22	19.78	0.44
34	21.52	20.90	0.61
35	20.73	20.20	0.52
36	19.41	18.97	0.44
37	19.94	19.45	0.49
38	18.99	18.37	0.62
39	21.13	20.56	0.57
40	20.50	19.98	0.53
41	18.60	18.15	0.45
42	21.46	20.76	0.70
43	20.88	20.35	0.53
44	19.89	19.42	0.47
45	19.00	18.38	0.62
46	17.35	16.57	0.79
47	18.02	17.79	0.24
48	21.50	20.78	0.72
49	19.77	19.33	0.44
50	19.08	18.54	0.54
51	20.88	20.30	0.58
52	21.39	20.76	0.62
53	20.12	19.66	0.46
54	21.78	21.08	0.70
55	20.36	19.88	0.48
56	18.97	18.35	0.61
57	20.60	20.11	0.49
58	21.45	20.97	0.48
59	20.73	20.13	0.60
60	21.18	20.62	0.56
61	19.92	19.46	0.46
62	19.95	19.51	0.44
63	20.39	19.94	0.45
64	21.24	20.57	0.67

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	21.38	20.76	0.61
66	21.63	20.97	0.66
67	18.93	18.33	0.60
68	20.76	20.22	0.54
69	22.03	21.38	0.65
70	21.67	20.72	0.94
71	20.34	19.87	0.47
72	19.51	19.08	0.43
73	19.59	19.11	0.48
74	20.73	20.20	0.52
75	21.50	20.86	0.64
76	21.09	20.58	0.52
77	20.10	19.61	0.49
78	21.49	20.91	0.58
79	21.61	21.02	0.59
80	19.82	19.36	0.45
81	19.40	18.92	0.47
82	19.56	19.09	0.48
83	21.24	20.74	0.50
84	20.21	19.74	0.47
85	15.20	14.31	0.89
86	20.74	20.24	0.50
87	21.72	21.10	0.61
88	21.36	20.76	0.61
89	19.99	19.54	0.45
90	21.74	21.20	0.55
91	19.10	18.63	0.47
92	19.85	19.42	0.43
93	21.70	21.02	0.68
94	22.19	21.50	0.70
95	19.43	18.98	0.45
96	20.66	20.07	0.59
97	19.72	19.29	0.42
98	20.54	20.00	0.54
99	21.08	20.51	0.57
100	21.14	20.63	0.51

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	8.15	7.97	0.18
2	7.87	7.66	0.21
3	8.67	8.37	0.30
4	6.41	6.43	-0.02
5	5.42	5.46	-0.04

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	18.06	17.36	0.70
2	19.92	19.30	0.62
3	20.53	20.00	0.53
4	21.41	20.81	0.60
5	21.69	21.18	0.51
6	18.87	18.25	0.63
7	21.80	21.26	0.54
8	19.59	19.19	0.40
9	21.18	20.45	0.72
10	20.59	20.06	0.54
11	18.95	18.38	0.58
12	20.49	20.03	0.46
13	16.18	15.73	0.46
14	21.64	21.22	0.42
15	19.54	19.12	0.42
16	16.12	15.66	0.47
17	21.86	21.26	0.60
18	19.44	18.97	0.47
19	21.55	20.96	0.59
20	22.30	21.56	0.75
21	21.12	20.56	0.56
22	21.42	20.89	0.53
23	20.11	19.64	0.47
24	20.08	19.50	0.57

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	21.00	20.42	0.58
26	21.81	20.97	0.85
27	21.57	20.93	0.64
28	20.26	19.78	0.48
29	21.80	21.13	0.67
30	21.53	20.72	0.80
31	20.58	19.66	0.91
32	21.61	20.98	0.63
33	19.65	19.16	0.48
34	21.12	20.61	0.50
35	21.87	21.25	0.62
36	20.86	20.40	0.46
37	21.11	20.51	0.60
38	20.12	19.67	0.45
39	18.91	18.30	0.61
40	21.30	20.75	0.55
41	20.63	20.18	0.45
42	19.08	18.43	0.65
43	20.03	19.29	0.73
44	19.34	18.88	0.47
45	21.14	20.75	0.38
46	21.78	21.14	0.63
47	20.10	19.67	0.44
48	21.37	20.83	0.54
49	19.12	18.67	0.45
50	19.96	19.44	0.53
51	20.42	19.96	0.46
52	21.44	20.81	0.63
53	20.74	20.19	0.56
54	19.41	18.95	0.46
55	17.94	17.23	0.71
56	20.75	20.24	0.50
57	19.27	18.81	0.46
58	21.11	20.54	0.57
59	21.20	20.65	0.56
60	20.17	19.56	0.61
61	20.71	20.28	0.43
62	21.22	20.71	0.51
63	21.09	20.53	0.56
64	20.94	20.24	0.69

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	21.28	20.66	0.63
66	20.91	20.32	0.58
67	20.56	19.93	0.62
68	21.85	21.21	0.64
69	21.49	20.90	0.59
70	21.61	21.06	0.55
71	20.00	19.54	0.46
72	21.42	20.92	0.51
73	19.55	18.96	0.59
74	20.38	19.84	0.55
75	22.28	21.59	0.69
76	20.97	20.44	0.52
77	19.10	18.60	0.50
78	21.79	21.25	0.55
79	20.99	20.48	0.51
80	21.96	21.36	0.60
81	19.64	19.19	0.45
82	16.90	16.12	0.79
83	19.62	19.21	0.42
84	20.98	20.10	0.88
85	20.35	19.75	0.59
86	18.49	17.80	0.69
87	20.08	19.63	0.45
88	21.38	20.76	0.63
89	19.73	19.33	0.40
90	20.22	19.68	0.54
91	22.57	21.82	0.75
92	20.35	19.88	0.47
93	18.88	18.33	0.55
94	21.85	21.17	0.68
95	20.90	20.41	0.49
96	20.63	20.15	0.48
97	21.30	20.69	0.61
98	21.60	20.98	0.63
99	21.04	20.49	0.55
100	20.11	19.68	0.43

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	5.01	5.09	-0.08
2	11.12	10.48	0.64
3	9.75	9.29	0.46
4	8.95	8.60	0.35
5	8.92	8.58	0.34

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	21.90	21.28	0.62
2	22.27	21.31	0.96
3	20.20	19.80	0.41
4	20.87	20.46	0.41
5	20.04	19.52	0.52
6	21.12	20.61	0.52
7	20.81	20.27	0.54
8	19.41	18.91	0.50
9	19.95	19.48	0.47
10	21.20	20.60	0.60
11	20.87	20.36	0.50
12	21.57	20.84	0.74
13	20.31	19.87	0.44
14	21.53	20.78	0.75
15	20.17	19.62	0.56
16	20.49	20.04	0.45
17	21.40	20.90	0.49
18	21.81	21.15	0.67
19	20.72	20.22	0.49
20	15.22	14.61	0.61
21	19.34	18.90	0.44
22	21.44	20.81	0.64
23	20.37	19.85	0.53
24	21.50	20.85	0.65

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	21.20	20.60	0.60
26	21.80	21.14	0.66
27	20.39	19.91	0.48
28	20.70	20.22	0.48
29	19.53	19.00	0.53
30	20.81	20.32	0.49
31	20.01	19.40	0.62
32	20.76	20.23	0.54
33	19.59	19.12	0.47
34	19.99	19.47	0.52
35	19.98	19.49	0.48
36	21.39	20.77	0.61
37	19.75	19.35	0.40
38	19.40	18.82	0.58
39	22.27	21.95	0.32
40	22.08	21.65	0.43
41	21.50	20.94	0.56
42	19.46	19.02	0.45
43	18.61	17.94	0.67
44	20.41	19.98	0.43
45	20.28	19.77	0.51
46	20.55	20.13	0.42
47	20.68	20.11	0.57
48	20.42	19.93	0.49
49	21.57	21.03	0.54
50	21.81	21.09	0.72
51	21.51	20.92	0.59
52	21.89	21.26	0.62
53	21.80	21.17	0.62
54	20.15	19.72	0.43
55	21.48	20.82	0.66
56	22.68	21.93	0.75
57	19.40	18.90	0.51
58	18.85	18.24	0.61
59	21.33	20.63	0.69
60	20.42	19.93	0.49
61	21.50	20.96	0.54
62	20.28	19.86	0.42
63	21.41	20.78	0.62
64	18.95	18.40	0.56

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	22.00	21.40	0.61
66	21.38	20.69	0.68
67	19.74	19.28	0.46
68	19.83	19.39	0.43
69	21.50	20.98	0.52
70	20.48	19.97	0.51
71	21.01	20.47	0.54
72	19.75	19.31	0.44
73	20.59	20.04	0.55
74	20.67	20.17	0.50
75	19.15	18.66	0.49
76	21.00	20.58	0.41
77	21.65	21.00	0.65
78	22.11	21.69	0.42
79	21.04	20.47	0.57
80	20.22	19.65	0.57
81	21.28	20.71	0.57
82	20.85	20.36	0.49
83	19.36	18.94	0.43
84	19.54	19.12	0.42
85	19.38	18.91	0.47
86	20.68	20.19	0.49
87	19.22	18.79	0.44
88	21.82	21.17	0.65
89	22.20	21.66	0.53
90	20.73	20.19	0.53
91	21.00	20.76	0.24
92	21.30	20.60	0.70
93	19.50	19.06	0.44
94	15.88	15.20	0.68
95	20.41	19.94	0.47
96	21.68	21.07	0.61
97	22.69	21.93	0.76
98	21.56	21.01	0.55
99	21.72	21.09	0.64
100	19.31	18.85	0.45

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	3.56	3.64	-0.08
2	6.87	6.81	0.06
3	13.14	12.12	1.02
4	12.19	11.27	0.92
5	12.25	11.40	0.85

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	19.59	19.11	0.48
2	21.04	20.47	0.57
3	20.07	19.64	0.43
4	20.85	20.34	0.51
5	21.81	21.25	0.56
6	20.82	20.25	0.57
7	21.20	20.66	0.55
8	19.40	19.02	0.38
9	20.67	20.16	0.51
10	21.61	21.03	0.58
11	20.71	20.20	0.50
12	20.87	20.38	0.49
13	21.39	20.90	0.50
14	21.05	20.51	0.54
15	20.38	19.92	0.46
16	21.00	20.56	0.44
17	19.24	18.77	0.47
18	16.99	16.23	0.76
19	20.97	20.50	0.47
20	21.57	20.89	0.67
21	16.15	15.57	0.58
22	19.83	19.36	0.46
23	21.63	20.95	0.68
24	21.52	20.79	0.73

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	18.82	18.21	0.61
26	19.58	19.18	0.39
27	19.97	19.42	0.55
28	18.92	18.31	0.62
29	21.84	21.44	0.41
30	19.85	19.40	0.46
31	23.08	22.27	0.81
32	22.16	21.93	0.23
33	21.20	20.58	0.62
34	14.55	13.33	1.23
35	20.93	20.50	0.43
36	21.05	20.56	0.50
37	20.20	19.72	0.48
38	19.95	19.52	0.43
39	19.98	19.53	0.45
40	21.18	20.62	0.56
41	20.72	20.19	0.52
42	21.95	21.42	0.53
43	20.18	19.74	0.44
44	19.41	18.95	0.46
45	20.23	19.55	0.68
46	20.76	20.23	0.53
47	20.61	20.08	0.54
48	22.57	21.72	0.85
49	21.56	20.94	0.62
50	21.67	21.07	0.59
51	22.72	21.90	0.82
52	20.93	20.36	0.57
53	19.45	19.02	0.43
54	20.92	20.10	0.82
55	19.30	18.83	0.47
56	19.92	19.55	0.36
57	20.81	19.83	0.98
58	21.48	20.64	0.85
59	21.02	20.44	0.58
60	21.80	20.91	0.89
61	19.14	18.64	0.50
62	16.57	15.77	0.80
63	20.28	19.81	0.47
64	22.47	21.46	1.01

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	20.96	20.44	0.52
66	21.40	20.84	0.56
67	20.89	20.43	0.46
68	19.35	18.94	0.41
69	15.41	14.58	0.83
70	21.47	20.79	0.68
71	21.74	20.80	0.94
72	20.41	19.89	0.53
73	21.50	20.86	0.64
74	17.80	17.11	0.69
75	21.63	21.00	0.64
76	21.65	21.00	0.65
77	20.75	20.23	0.51
78	19.08	18.50	0.58
79	21.53	20.85	0.67
80	21.75	21.16	0.59
81	20.33	19.76	0.57
82	17.06	16.31	0.75
83	19.04	18.47	0.57
84	20.06	19.58	0.48
85	21.09	20.49	0.60
86	21.05	20.04	1.01
87	20.50	19.91	0.59
88	20.37	19.92	0.45
89	20.16	19.67	0.49
90	16.14	15.58	0.56
91	21.86	21.35	0.51
92	19.53	19.09	0.44
93	20.99	20.50	0.50
94	21.48	20.70	0.78
95	17.47	16.74	0.73
96	20.98	20.38	0.59
97	21.41	20.87	0.54
98	18.41	17.99	0.43
99	17.58	16.82	0.75
100	21.10	20.55	0.55

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	8.34	8.12	0.22
2	2.78	2.87	-0.09
3	12.58	11.71	0.87
4	3.81	3.88	-0.07
5	3.60	3.71	-0.11

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	20.41	19.95	0.46
2	21.20	20.57	0.62
3	21.18	20.60	0.58
4	18.98	18.46	0.51
5	20.97	20.53	0.44
6	21.09	20.61	0.47
7	20.85	20.33	0.51
8	22.01	21.27	0.74
9	19.44	18.99	0.46
10	20.09	19.59	0.50
11	16.28	15.47	0.81
12	22.50	21.66	0.84
13	21.77	21.03	0.73
14	19.78	19.29	0.49
15	18.42	17.61	0.80
16	20.23	19.77	0.46
17	21.22	20.61	0.61
18	21.62	21.10	0.52
19	19.12	18.62	0.50
20	20.12	19.63	0.49
21	20.61	20.19	0.43
22	18.31	17.61	0.70
23	19.98	19.53	0.45
24	21.33	20.75	0.58

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.39	19.90	0.49
26	20.15	19.70	0.45
27	18.28	17.61	0.67
28	21.48	20.88	0.60
29	18.53	18.04	0.49
30	21.88	21.31	0.57
31	21.33	20.72	0.62
32	20.22	19.78	0.44
33	21.48	20.79	0.69
34	18.35	17.64	0.71
35	17.41	16.71	0.70
36	15.75	15.59	0.16
37	21.72	21.14	0.58
38	21.75	21.11	0.63
39	22.16	21.33	0.83
40	20.43	19.83	0.60
41	16.79	16.00	0.79
42	21.80	20.95	0.84
43	20.34	19.87	0.47
44	21.20	20.69	0.50
45	20.98	20.54	0.44
46	20.98	20.49	0.50
47	20.13	19.47	0.66
48	20.69	20.19	0.49
49	21.02	20.37	0.65
50	21.22	20.62	0.60
51	20.43	19.88	0.55
52	20.25	19.74	0.51
53	20.92	20.34	0.58
54	17.93	17.21	0.72
55	21.01	20.47	0.54
56	21.17	20.56	0.61
57	21.35	20.81	0.54
58	21.69	20.99	0.69
59	20.20	19.61	0.59
60	22.28	21.57	0.72
61	20.28	19.81	0.47
62	21.46	20.92	0.55
63	19.75	19.30	0.45
64	21.64	20.97	0.67

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	18.22	17.91	0.30
66	15.29	14.34	0.95
67	15.77	14.87	0.90
68	19.90	19.40	0.50
69	21.61	21.02	0.59
70	21.15	20.18	0.97
71	20.28	19.79	0.49
72	20.59	20.30	0.30
73	20.30	19.79	0.50
74	21.02	20.52	0.51
75	21.86	21.25	0.61
76	19.76	19.25	0.51
77	18.49	17.76	0.73
78	21.34	20.72	0.63
79	21.95	21.43	0.52
80	21.74	21.10	0.65
81	21.58	21.02	0.56
82	21.89	21.31	0.58
83	16.40	15.59	0.80
84	21.45	20.88	0.57
85	20.52	20.00	0.53
86	21.99	21.33	0.66
87	19.86	19.40	0.46
88	22.03	21.03	1.00
89	20.41	19.79	0.61
90	19.87	19.47	0.40
91	16.33	16.25	0.08
92	21.67	21.05	0.63
93	22.14	21.42	0.72
94	16.17	15.58	0.59
95	21.69	21.27	0.42
96	19.84	19.39	0.45
97	22.39	21.70	0.70
98	19.83	19.38	0.44
99	19.63	19.23	0.40
100	21.16	20.50	0.66

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	12.13	11.35	0.78
2	6.31	6.29	0.02
3	11.06	10.42	0.64
4	7.34	7.18	0.16
5	11.61	10.81	0.80

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	20.53	20.02	0.51
2	22.18	21.51	0.66
3	20.96	20.34	0.62
4	21.41	20.66	0.75
5	19.90	19.51	0.38
6	21.75	21.11	0.63
7	18.52	17.79	0.73
8	18.51	18.08	0.43
9	16.08	15.26	0.82
10	22.25	21.65	0.60
11	20.91	20.39	0.52
12	21.04	20.57	0.46
13	19.34	18.90	0.44
14	22.08	21.40	0.68
15	21.16	20.62	0.54
16	21.72	21.08	0.63
17	21.23	20.78	0.45
18	16.21	15.41	0.80
19	21.29	20.76	0.53
20	20.31	19.81	0.49
21	21.88	21.16	0.72
22	18.01	17.33	0.68
23	18.13	17.42	0.70
24	19.62	19.23	0.39

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.63	20.12	0.51
26	20.78	20.18	0.60
27	22.09	21.24	0.85
28	18.48	17.78	0.70
29	21.28	20.70	0.58
30	20.78	20.23	0.56
31	19.78	19.36	0.42
32	19.73	19.31	0.42
33	20.52	20.00	0.53
34	21.28	20.62	0.66
35	16.24	15.44	0.80
36	20.44	19.83	0.61
37	21.21	20.58	0.63
38	21.61	21.00	0.61
39	15.88	15.00	0.88
40	20.18	19.69	0.49
41	18.54	17.80	0.74
42	18.24	17.54	0.70
43	15.85	15.70	0.15
44	20.15	19.73	0.42
45	20.93	20.31	0.63
46	16.52	15.81	0.72
47	16.56	15.80	0.76
48	18.17	17.55	0.62
49	21.77	21.20	0.57
50	18.15	17.56	0.59
51	20.47	20.04	0.43
52	21.26	20.76	0.50
53	20.41	19.91	0.49
54	20.89	20.36	0.53
55	17.06	16.36	0.70
56	21.20	20.57	0.62
57	21.34	20.72	0.62
58	20.74	20.24	0.50
59	18.15	17.47	0.68
60	20.75	20.21	0.55
61	21.39	20.83	0.56
62	20.08	19.63	0.45
63	20.23	19.77	0.46
64	16.82	16.25	0.57

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	21.81	21.12	0.69
66	19.34	18.89	0.45
67	21.66	20.97	0.69
68	21.82	21.18	0.63
69	21.45	20.70	0.75
70	21.73	21.08	0.66
71	19.89	19.43	0.46
72	21.25	20.62	0.63
73	21.65	21.04	0.61
74	21.61	20.96	0.65
75	17.62	16.86	0.75
76	20.30	19.85	0.45
77	22.75	22.02	0.73
78	21.30	20.80	0.51
79	17.48	16.78	0.70
80	18.35	17.65	0.70
81	20.53	20.02	0.51
82	18.78	18.13	0.65
83	19.96	19.34	0.62
84	21.26	20.56	0.70
85	18.44	17.74	0.70
86	21.54	20.88	0.66
87	20.47	19.96	0.51
88	21.80	21.16	0.64
89	19.85	19.44	0.41
90	20.74	20.21	0.52
91	22.63	21.50	1.13
92	14.76	13.69	1.07
93	21.17	20.63	0.54
94	19.73	19.31	0.41
95	21.00	20.27	0.72
96	19.99	19.55	0.44
97	19.42	18.96	0.46
98	20.32	19.83	0.49
99	20.42	19.99	0.44
100	19.31	18.92	0.39

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	7.07	6.95	0.12
2	8.51	8.25	0.26
3	12.20	11.34	0.86
4	9.97	9.45	0.52
5	12.87	11.93	0.94

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	20.92	20.37	0.55
2	19.70	19.28	0.41
3	20.43	19.85	0.58
4	20.40	19.93	0.47
5	21.64	20.97	0.67
6	21.76	21.05	0.71
7	19.19	18.75	0.44
8	19.90	19.47	0.43
9	20.69	20.14	0.55
10	17.75	17.02	0.73
11	20.68	20.23	0.45
12	18.55	18.02	0.53
13	20.76	20.33	0.43
14	19.05	18.51	0.54
15	21.16	20.67	0.49
16	21.67	20.95	0.71
17	16.35	16.31	0.04
18	21.38	20.82	0.56
19	20.65	20.19	0.46
20	18.33	17.68	0.64
21	20.41	19.85	0.56
22	19.32	18.87	0.44
23	21.06	20.50	0.56
24	17.12	16.39	0.74

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.02	19.56	0.46
26	16.35	15.45	0.90
27	21.66	21.11	0.55
28	21.71	21.11	0.60
29	21.91	21.08	0.83
30	20.77	20.22	0.56
31	16.92	16.20	0.73
32	15.85	15.70	0.15
33	19.35	18.94	0.40
34	20.83	20.33	0.50
35	18.03	17.33	0.70
36	21.85	21.26	0.59
37	21.34	20.74	0.59
38	18.59	18.05	0.54
39	20.25	19.75	0.49
40	18.97	18.37	0.60
41	21.83	21.17	0.66
42	19.39	18.97	0.43
43	20.96	20.45	0.51
44	21.65	21.01	0.64
45	17.43	16.70	0.73
46	21.68	21.12	0.56
47	16.10	15.58	0.51
48	20.30	19.60	0.70
49	17.91	17.18	0.73
50	15.38	14.44	0.94
51	15.22	14.40	0.82
52	22.17	21.57	0.61
53	21.19	20.52	0.67
54	19.35	18.95	0.40
55	20.71	20.15	0.56
56	20.17	19.72	0.45
57	20.65	19.63	1.02
58	20.90	20.40	0.50
59	16.99	16.22	0.78
60	17.54	16.77	0.78
61	20.14	19.70	0.44
62	22.10	21.48	0.62
63	19.85	19.29	0.56
64	20.76	20.20	0.57

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	18.23	17.63	0.60
66	16.72	15.92	0.79
67	21.25	20.94	0.32
68	20.36	19.96	0.40
69	19.97	19.51	0.46
70	17.57	16.83	0.74
71	18.32	17.78	0.54
72	18.07	17.40	0.67
73	20.78	20.26	0.51
74	21.22	20.66	0.56
75	22.01	21.40	0.61
76	21.56	20.97	0.59
77	18.05	17.35	0.70
78	19.58	19.17	0.41
79	17.55	16.79	0.76
80	21.39	20.75	0.65
81	22.33	21.57	0.76
82	18.56	18.47	0.09
83	21.92	21.31	0.61
84	19.90	19.35	0.54
85	20.48	20.00	0.48
86	17.35	16.61	0.74
87	18.03	17.39	0.64
88	21.45	20.79	0.66
89	20.21	19.68	0.52
90	14.72	13.66	1.06
91	16.31	15.55	0.76
92	18.57	17.95	0.62
93	21.55	20.89	0.66
94	20.09	19.61	0.48
95	21.46	20.88	0.58
96	20.38	19.94	0.44
97	16.38	15.64	0.73
98	22.02	21.36	0.65
99	18.09	17.43	0.65
100	20.19	19.75	0.44

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	11.77	10.91	0.86
2	9.15	8.69	0.46
3	13.68	12.89	0.79
4	11.22	10.55	0.67

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	21.86	21.17	0.69
2	21.57	20.94	0.63
3	17.01	16.32	0.69
4	17.72	16.99	0.73
5	19.90	19.14	0.76
6	21.39	20.76	0.64
7	19.88	19.44	0.44
8	18.41	18.16	0.26
9	15.21	14.36	0.84
10	15.98	15.53	0.45
11	18.60	17.91	0.68
12	17.91	17.24	0.67
13	15.70	15.49	0.21
14	16.70	15.92	0.78
15	17.55	16.71	0.84
16	18.38	17.67	0.71
17	20.64	20.13	0.51
18	20.82	20.10	0.72
19	21.81	21.23	0.58
20	19.68	19.25	0.42
21	21.26	20.75	0.51
22	22.18	21.40	0.78
23	20.84	20.34	0.50
24	15.84	15.69	0.15

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	17.28	16.57	0.71
26	18.54	18.15	0.39
27	16.53	15.77	0.76
28	21.08	20.50	0.58
29	18.31	17.56	0.75
30	22.93	22.05	0.88
31	14.31	13.05	1.27
32	21.58	20.86	0.73
33	18.40	17.98	0.42
34	19.66	19.24	0.42
35	20.27	19.76	0.50
36	19.27	18.81	0.46
37	21.33	20.70	0.64
38	21.68	21.10	0.58
39	17.06	16.29	0.78
40	17.71	17.11	0.60
41	18.39	17.72	0.67
42	18.81	18.19	0.62
43	20.25	19.83	0.43
44	21.47	20.81	0.66
45	21.79	21.16	0.63
46	19.55	19.10	0.44
47	18.46	18.30	0.16
48	17.98	17.62	0.35
49	17.71	17.03	0.68
50	16.98	16.25	0.73
51	20.92	20.42	0.51
52	20.19	19.68	0.50
53	21.08	20.54	0.55
54	17.85	17.11	0.75
55	14.94	13.91	1.02
56	18.48	18.35	0.12
57	18.53	17.98	0.55
58	21.54	20.92	0.62
59	16.81	16.03	0.78
60	18.33	17.70	0.64
61	20.96	20.44	0.52
62	20.94	20.43	0.51
63	15.20	14.37	0.83
64	21.07	20.50	0.57

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	16.95	16.31	0.64
66	16.82	16.06	0.76
67	20.35	19.90	0.45
68	15.67	14.75	0.92
69	18.56	17.94	0.62
70	14.20	12.88	1.33
71	21.87	21.22	0.65
72	21.46	20.83	0.63
73	18.58	17.97	0.61
74	16.14	16.11	0.03
75	18.12	17.49	0.63
76	18.09	17.42	0.67
77	19.07	18.59	0.49
78	20.18	19.70	0.48
79	17.08	16.33	0.75
80	21.18	20.66	0.52
81	18.05	17.47	0.58
82	21.32	20.84	0.48
83	21.00	20.52	0.48
84	21.83	21.15	0.68
85	21.06	20.48	0.58
86	21.01	20.52	0.49
87	16.49	15.76	0.73
88	22.15	21.45	0.71
89	21.56	20.36	1.20
90	21.47	20.92	0.55
91	18.15	17.46	0.69
92	18.59	18.01	0.58
93	18.19	17.32	0.86
94	18.04	17.37	0.67
95	18.19	17.49	0.70
96	21.86	21.21	0.65
97	17.85	17.60	0.25
98	17.78	17.42	0.36
99	20.37	19.75	0.61
100	20.02	19.52	0.50

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	9.54	9.05	0.49
2	7.31	7.26	0.05
3	7.45	7.35	0.10
4	10.75	10.13	0.62

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	20.96	20.38	0.57
2	18.45	17.83	0.63
3	17.50	16.68	0.82
4	15.93	15.73	0.20
5	17.99	17.01	0.98
6	21.20	20.82	0.37
7	22.34	21.63	0.71
8	21.62	21.05	0.57
9	17.94	17.60	0.34
10	15.39	14.61	0.78
11	15.79	15.49	0.30
12	18.37	17.82	0.55
13	17.29	16.51	0.78
14	22.17	21.48	0.68
15	20.24	19.78	0.46
16	19.06	18.53	0.53
17	17.96	18.09	-0.14
18	18.55	18.16	0.39
19	21.35	20.80	0.55
20	20.84	20.29	0.56
21	20.38	19.89	0.48
22	16.19	15.69	0.50
23	17.92	16.99	0.93
24	16.15	15.68	0.46

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	20.25	19.72	0.53
26	21.27	20.75	0.52
27	20.17	19.71	0.46
28	14.02	12.87	1.15
29	18.10	17.53	0.57
30	16.06	15.95	0.11
31	20.12	19.61	0.51
32	21.72	21.35	0.38
33	15.87	15.63	0.24
34	16.74	15.92	0.81
35	17.51	16.76	0.75
36	15.88	15.78	0.09
37	16.41	15.90	0.51
38	16.08	15.28	0.79
39	18.32	18.24	0.08
40	21.58	21.04	0.54
41	18.44	17.79	0.65
42	16.67	15.83	0.84
43	17.25	16.48	0.77
44	18.47	17.67	0.80
45	17.91	17.11	0.79
46	18.12	18.10	0.02
47	17.32	16.70	0.61
48	16.61	16.58	0.02
49	18.51	18.12	0.39
50	20.55	20.02	0.54
51	17.08	16.37	0.71
52	15.72	14.82	0.90
53	18.08	17.33	0.75
54	18.22	17.64	0.58
55	19.87	19.34	0.53
56	18.26	17.92	0.34
57	18.33	17.85	0.48
58	19.89	19.45	0.44
59	16.12	15.66	0.47
60	17.80	16.94	0.87
61	18.05	17.50	0.55
62	18.37	18.05	0.32
63	17.07	16.31	0.77
64	16.19	15.38	0.81

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	14.50	13.33	1.17
66	21.68	20.72	0.96
67	19.47	19.01	0.46
68	19.52	19.08	0.44
69	20.19	19.76	0.44
70	18.26	17.54	0.72
71	17.86	17.61	0.26
72	15.90	15.66	0.24
73	18.83	18.15	0.68
74	19.05	18.52	0.52
75	17.83	17.24	0.59
76	18.44	17.45	0.98
77	16.51	15.67	0.84
78	17.65	16.98	0.67
79	20.67	20.15	0.52
80	21.61	20.92	0.70
81	19.73	19.34	0.39
82	17.08	16.63	0.46
83	17.53	16.79	0.74
84	17.07	16.27	0.80
85	20.70	20.33	0.36
86	18.20	17.60	0.60
87	19.41	18.97	0.44
88	18.49	18.03	0.47
89	17.66	16.94	0.72
90	18.38	17.97	0.40
91	17.23	16.44	0.79
92	17.54	16.91	0.64
93	15.67	14.87	0.80
94	21.23	20.63	0.60
95	21.31	20.67	0.64
96	16.09	15.60	0.50
97	18.18	18.07	0.10
98	21.27	20.67	0.61
99	17.97	17.16	0.82
100	18.24	18.04	0.20

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Pleiades Data (open cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	10.58	10.02	0.56
2	7.02	6.99	0.03
3	8.28	7.96	0.32
4	8.25	8.04	0.21

Remember, the magnitude scale runs backwards! The larger the number for B or V, the *fainter* the star is. The larger the number for B-V, the *redder* the star is.

M3 Data (globular cluster)

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
1	16.69	15.85	0.85
2	21.59	20.94	0.65
3	21.01	20.48	0.53
4	15.78	15.13	0.66
5	15.84	15.64	0.20
6	16.19	15.66	0.53
7	15.83	15.65	0.18
8	19.20	18.76	0.44
9	20.65	20.23	0.43
10	21.41	20.73	0.68
11	15.55	14.70	0.84
12	15.23	14.26	0.97
13	18.36	17.57	0.80
14	15.43	14.52	0.90
15	14.57	13.47	1.10
16	16.02	15.94	0.09
17	18.58	18.11	0.47
18	20.88	20.32	0.56
19	21.69	21.13	0.56
20	21.80	21.00	0.80
21	20.77	20.26	0.50
22	18.28	17.94	0.33
23	17.59	16.89	0.71
24	17.33	16.58	0.74

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
25	15.05	14.16	0.89
26	15.42	14.67	0.75
27	18.15	17.87	0.28
28	21.80	21.28	0.52
29	20.61	20.08	0.54
30	20.76	20.22	0.55
31	21.92	21.32	0.60
32	16.87	16.22	0.64
33	21.30	20.52	0.78
34	20.39	19.87	0.52
35	19.91	19.48	0.43
36	21.88	21.29	0.59
37	15.43	14.52	0.91
38	16.30	15.46	0.84
39	15.91	15.79	0.12
40	17.66	16.89	0.78
41	17.04	16.32	0.72
42	18.52	17.91	0.61
43	16.11	15.54	0.57
44	17.19	17.35	-0.16
45	17.83	17.11	0.72
46	17.37	16.69	0.69
47	20.50	19.92	0.58
48	15.80	15.60	0.20
49	18.59	18.28	0.31
50	18.37	17.94	0.43
51	17.81	17.04	0.76
52	18.19	17.96	0.23
53	17.16	16.22	0.94
54	19.92	19.47	0.45
55	19.09	18.55	0.53
56	20.92	20.45	0.47
57	21.17	20.55	0.62
58	21.52	20.84	0.68
59	16.32	16.30	0.02
60	17.91	17.23	0.68
61	14.63	13.53	1.10
62	17.07	16.28	0.79
63	20.90	20.40	0.50
64	19.69	19.26	0.43

Star Number	Brightness Through Blue Filter (B)	Brightness Through Green/Visible Filter (V)	Color (B-V)
65	15.99	15.59	0.40
66	18.55	17.81	0.74
67	18.91	18.28	0.62
68	21.74	21.02	0.71
69	21.12	20.60	0.53
70	21.06	20.48	0.58
71	19.80	19.30	0.49
72	20.62	20.15	0.47
73	18.38	17.53	0.85
74	18.39	17.78	0.61
75	18.92	18.30	0.62
76	19.45	19.02	0.43
77	20.12	19.71	0.42
78	20.90	20.40	0.50
79	19.24	18.77	0.47
80	18.49	18.29	0.20
81	17.28	16.56	0.72
82	22.20	21.50	0.71
83	21.82	21.09	0.73
84	17.13	16.19	0.93
85	20.57	20.13	0.44
86	20.17	19.75	0.41
87	21.38	20.76	0.61
88	21.29	20.69	0.60
89	18.06	17.67	0.38
90	18.54	17.82	0.72
91	16.43	15.57	0.86
92	21.67	21.06	0.62
93	17.73	17.07	0.66
94	18.11	17.39	0.72
95	21.09	20.25	0.84
96	17.90	17.18	0.72
97	21.96	21.38	0.59
98	19.16	18.64	0.52
99	18.31	17.38	0.94
100	17.90	17.22	0.68

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