TABLE 1

Deep Multicolor Survey Fields

| Field | RA (1950.0) | Dec (1950.0) | l(II) | b(II) | Area[a] | E(B-V)[b] |
|---|---|---|---|---|---|---|
| 01e | 01:00:16 | −00:57:52 | 129.3069 | −63.4266 | 292.4 | 0.0192 |
| 01w | 00:59:21 | −00:57:55 | 128.7997 | −63.4488 | 224.9 | 0.0273 |
| 10e | 10:34:19 | −00:44:40 | 248.4348 | 47.1235 | 286.0 | 0.0302 |
| 14n | 13:58:40 | −00:37:06 | 336.7107 | 57.3613 | 288.5 | 0.0283 |
| 14s | 13:58:40 | −00:54:24 | 336.4456 | 57.1110 | 272.8 | 0.0263 |
| 17n | 17:14:43 | +50:16:47 | 76.9826 | 35.5101 | 266.0 | 0.0082 |
| 17s | 17:14:45 | +50:00:01 | 76.6398 | 35.4963 | 285.9 | 0.0093 |
| 21e | 21:39:57 | −04:00:06 | 51.8119 | −39.2835 | 247.0 | 0.0243 |
| 21w | 21:39:01 | −04:00:01 | 51.6505 | −39.0849 | 290.0 | 0.0203 |
| 22e | 22:47:04 | −02:09:11 | 68.6033 | −51.4310 | 286.9 | 0.0542 |
| 22w | 22:46:07 | −02:09:14 | 68.3400 | −51.2595 | 249.7 | 0.0492 |

[a]Units of square arcminutes.

[b]Calculated with a program supplied by D. Burstein, using data given in Burstein & Heiles 1978 and Burstein & Heiles 1982.

TABLE 2

Observations

| Field | Filter | Frame | Exposure[a] | UT Date | UT Time | Airmass | Seeing($''$) | Zeropoint[b] |
|---|---|---|---|---|---|---|---|---|
| 01e | U | 1. | 1350 | 90/8/24 | 11:13 | 1.219 | 1.60 | -20.69 |
| | B | 1. | 1080 | 90/8/23 | 11:00 | 1.194 | 1.21 | -21.66 |
| | V | 1. | 540 | 90/8/23 | 10:45 | 1.177 | 1.10 | -22.37 |
| | R | 1. | 540 | 90/8/23 | 11:22 | 1.216 | 1.22 | -22.02 |
| | I75 | 1. | 540 | 90/8/23 | 11:35 | 1.239 | 1.28 | -21.98 |
| | I86 | 1. | 1080 | 90/8/24 | 11:41 | 1.268 | 2.03 | -21.48 |
| 01w | U | 1. | 1350 | 90/8/22 | 10:15 | 1.170 | 1.15 | -20.85 |
| | U | 2. | 1350 | 90/8/22 | 10:41 | 1.178 | 1.24 | -20.82 |
| | B | 1. | 1080 | 90/8/23 | 10:09 | 1.170 | 1.53 | -21.77 |
| | B | 2. | 1080 | 90/8/21 | 10:42 | 1.175 | 1.39 | -22.79 |
| | V | 1. | 540 | 90/8/23 | 10:31 | 1.172 | 1.26 | -22.46 |
| | V | 2. | 540 | 90/8/21 | 10:29 | 1.170 | 1.14 | -22.47 |
| | R | 1. | 540 | 90/8/22 | 9:48 | 1.181 | 0.93 | -22.02 |
| | R | 2. | 540 | 90/8/21 | 11:04 | 1.187 | 1.06 | -21.03 |
| | I75 | 1. | 540 | 90/8/21 | 10:02 | 1.173 | 1.00 | -21.96 |
| | I75 | 2. | 540 | 90/8/21 | 11:18 | 1.201 | 0.99 | -21.99 |
| | I86 | 1. | 1080 | 90/8/22 | 11:31 | 1.228 | 1.39 | -21.44 |
| | I86 | 2. | 1080 | 90/8/22 | 11:14 | 1.207 | 0.95 | -21.41 |
| 10e | U | 1. | 1350 | 91/4/15 | 6:07 | 1.338 | 1.36 | -20.74 |
| | U | 2. | 1350 | 91/4/15 | 6:43 | 1.475 | 1.37 | -20.75 |
| | B | 1. | 1080 | 91/4/15 | 7:10 | 1.615 | 1.29 | -21.73 |
| | V | 1. | 540 | 91/4/14 | 4:34 | 1.191 | 1.41 | -22.49 |
| | V | 2. | 540 | 91/4/14 | 4:47 | 1.195 | 1.62 | -22.48 |
| | R | 1. | 675 | 91/4/14 | 5:02 | 1.204 | 1.57 | -22.06 |
| | R | 2. | 675 | 91/4/14 | 5:17 | 1.218 | 1.66 | -22.06 |
| | I75 | 1. | 540 | 91/4/14 | 5:32 | 1.237 | 1.69 | -22.05 |
| | I75 | 2. | 540 | 91/4/14 | 5:45 | 1.258 | 1.72 | -22.05 |
| | I86 | 1. | 1080 | 91/4/14 | 6:00 | 1.302 | 1.65 | -21.48 |
| | I86 | 2. | 1080 | 91/4/15 | 5:43 | 1.244 | 1.02 | -21.50 |
| 14n | U | 1. | 1350 | 91/4/14 | 9:08 | 1.269 | 2.35 | -20.71 |
| | U | 2. | 1350 | 91/4/14 | 9:35 | 1.336 | 2.66 | -20.77 |
| | B | 1. | 1080 | 91/4/15 | 7:45 | 1.190 | 1.10 | -21.77 |
| | B | 2. | 1080 | 91/4/15 | 8:07 | 1.195 | 1.16 | -21.76 |
| | V | 1. | 540 | 91/4/14 | 7:12 | 1.210 | 1.54 | -22.50 |
| | V | 2. | 540 | 91/4/14 | 6:59 | 1.225 | 1.48 | -22.50 |
| | R | 1. | 675 | 91/4/14 | 7:26 | 1.198 | 1.74 | -22.06 |
| | R | 2. | 675 | 91/4/14 | 7:41 | 1.191 | 1.70 | -22.06 |
| | I75 | 1. | 540 | 91/4/14 | 8:09 | 1.192 | 1.95 | -22.06 |
| | I75 | 2. | 540 | 91/4/14 | 7:56 | 1.189 | 2.03 | -21.06 |
| | I86 | 1. | 1080 | 91/4/14 | 8:23 | 1.202 | 1.87 | -21.48 |
| | I86 | 2. | 1080 | 91/4/14 | 8:45 | 1.225 | 1.91 | -21.48 |
| 14s | U | 1. | 1350 | 91/4/16 | 9:59 | 1.459 | 1.69 | -20.61 |
| | U | 2. | 1350 | 91/4/16 | 8:45 | 1.244 | 1.43 | -20.57 |
| | B | 1. | 1080 | 91/4/15 | 7:10 | 1.208 | 1.07 | -21.77 |
| | B | 2. | 1080 | 91/4/17 | 9:48 | 1.420 | 1.88 | -21.77 |
| | V | 1. | 540 | 91/4/16 | 8:01 | 1.196 | 1.31 | -22.30 |
| | V | 2. | 540 | 91/4/15 | 8:51 | 1.238 | 1.02 | -22.50 |
| | R | 1. | 675 | 91/4/16 | 8:31 | 1.203 | 1.40 | -21.33 |

TABLE 2—*Continued*

| Field | Filter | Frame | Exposure[a] | UT Date | UT Time | Airmass | Seeing(″) | Zeropoint[b] |
|---|---|---|---|---|---|---|---|---|
| | R | 2. | 675 | 91/4/15 | 9:05 | 1.263 | 1.08 | -22.06 |
| | I75 | 1. | 540 | 91/4/17 | 8:31 | 1.221 | 2.12 | -22.03 |
| | I75 | 2. | 540 | 91/4/16 | 8:31 | 1.216 | 1.44 | -21.71 |
| | I86 | 1. | 1080 | 91/4/14 | 6:00 | 1.297 | 1.17 | -21.46 |
| | I86 | 2. | 1080 | 91/4/16 | 9:35 | 1.259 | 1.27 | -21.44 |
| 17n | U | 1. | 1350 | 91/4/16 | 10:47 | 1.053 | 1.57 | -20.38 |
| | U | 2. | 1350 | 91/4/15 | 11:01 | 1.053 | 1.06 | -20.65 |
| | B | 1. | 1080 | 91/4/15 | 10:37 | 1.056 | 0.97 | -21.73 |
| | B | 2. | 1080 | 91/4/16 | 11:14 | 1.055 | 1.40 | -21.52 |
| | V | 1. | 540 | 91/4/14 | 10:21 | 1.066 | 1.47 | -22.50 |
| | V | 2. | 540 | 91/4/14 | 10:36 | 1.059 | 1.47 | -22.50 |
| | R | 1. | 675 | 91/4/14 | 10:50 | 1.055 | 1.34 | -22.06 |
| | R | 2. | 675 | 91/4/14 | 11:06 | 1.053 | 1.25 | -22.06 |
| | I75 | 1. | 540 | 91/4/14 | 11:21 | 1.054 | 1.20 | -22.06 |
| | I75 | 2. | 540 | 91/4/14 | 11:33 | 1.056 | 1.16 | -22.06 |
| | I86 | 1. | 1080 | 91/4/15 | 11:29 | 1.058 | 0.90 | -21.48 |
| | I86 | 2. | 1080 | 91/4/15 | 10:14 | 1.065 | 0.90 | -21.48 |
| 17s | U | 1. | 1350 | 90/8/21 | 5:42 | 1.289 | 1.27 | -20.76 |
| | U | 2. | 1350 | 90/8/24 | 4:20 | 1.137 | 1.26 | -20.75 |
| | B | 1. | 1080 | 90/8/21 | 4:53 | 1.169 | 1.39 | -21.79 |
| | B | 2. | 1080 | 90/8/23 | 4:04 | 1.107 | 1.44 | -21.77 |
| | V | 1. | 540 | 90/8/21 | 4:40 | 1.139 | 1.11 | -22.49 |
| | V | 2. | 540 | 90/8/23 | 4:26 | 1.129 | 1.15 | -22.49 |
| | R | 1. | 540 | 90/8/23 | 4:45 | 1.159 | 1.21 | -22.02 |
| | R | 2. | 540 | 90/8/21 | 5:16 | 1.205 | 1.23 | -22.05 |
| | I75 | 1. | 540 | 90/8/21 | 5:29 | 1.234 | 1.06 | -21.99 |
| | I75 | 2. | 540 | 90/8/23 | 4:57 | 1.183 | 1.35 | -21.95 |
| | I86 | 1. | 1080 | 90/8/23 | 3:41 | 1.083 | 1.25 | -21.40 |
| | I86 | 2. | 1080 | 90/8/23 | 6:10 | 1.371 | 1.30 | -21.41 |
| 21e | U | 1. | 1350 | 90/8/24 | 5:27 | 1.318 | 1.71 | -20.83 |
| | U | 2. | 1350 | 90/8/24 | 5:53 | 1.271 | 1.48 | -20.83 |
| | B | 1. | 1080 | 90/8/23 | 5:57 | 1.274 | 1.25 | -21.81 |
| | B | 2. | 1080 | 90/8/24 | 6:44 | 1.233 | 1.78 | -21.81 |
| | V | 1. | 540 | 90/8/24 | 7:06 | 1.234 | 1.54 | -22.50 |
| | V | 2. | 540 | 90/8/23 | 5:42 | 1.308 | 1.28 | -22.49 |
| | R | 1. | 540 | 90/8/24 | 7:19 | 1.240 | 1.57 | -22.03 |
| | R | 2. | 540 | 90/8/23 | 6:20 | 1.251 | 1.21 | -22.02 |
| | I75 | 1. | 540 | 90/8/24 | 7:32 | 1.250 | 1.38 | -22.00 |
| | I75 | 2. | 540 | 90/8/23 | 6:33 | 1.241 | 1.34 | -21.99 |
| | I86 | 1. | 1080 | 90/8/23 | 7:13 | 1.237 | 1.11 | -21.44 |
| | I86 | 2. | 1080 | 90/8/24 | 6:21 | 1.243 | 1.28 | -21.44 |
| 21w | U | 1. | 1350 | 90/8/21 | 7:41 | 1.256 | 1.86 | -20.66 |
| | U | 2. | 1350 | 90/8/22 | 6:23 | 1.246 | 1.44 | -20.72 |
| | B | 1. | 1080 | 90/8/21 | 6:51 | 1.234 | 1.86 | -21.77 |
| | B | 2. | 1080 | 90/8/22 | 5:34 | 1.321 | 1.19 | -21.77 |
| | V | 1. | 540 | 90/8/21 | 6:38 | 1.242 | 1.55 | -22.49 |
| | V | 2. | 540 | 90/8/22 | 5:21 | 1.366 | 1.17 | -22.48 |
| | R | 1. | 540 | 90/8/22 | 5:57 | 1.285 | 1.02 | -22.02 |

TABLE 2—*Continued*

| Field | Filter | Frame | Exposure[a] | UT Date | UT Time | Airmass | Seeing($''$) | Zeropoint[b] |
|---|---|---|---|---|---|---|---|---|
| | R | 2. | 540 | 90/8/21 | 7:15 | 1.234 | 1.56 | -22.06 |
| | I75 | 1. | 540 | 90/8/21 | 7:28 | 1.239 | 1.52 | -22.01 |
| | I75 | 2. | 540 | 90/8/22 | 6:09 | 1.266 | 1.00 | -21.99 |
| | I86 | 1. | 1080 | 90/8/21 | 6:08 | 1.291 | 1.64 | -21.48 |
| | I86 | 2. | 1080 | 90/8/22 | 6:50 | 1.233 | 1.54 | -21.46 |
| 22e | U | 1. | 1350 | 90/8/24 | 8:27 | 1.218 | 1.80 | -20.62 |
| | U | 2. | 1350 | 90/8/24 | 8:54 | 1.248 | 1.38 | -20.66 |
| | B | 1. | 1080 | 90/8/24 | 9:42 | 1.349 | 2.32 | -21.68 |
| | B | 2. | 1080 | 90/8/23 | 8:30 | 1.215 | 1.06 | -21.69 |
| | V | 1. | 540 | 90/8/23 | 8:15 | 1.206 | 1.09 | -22.44 |
| | V | 2. | 540 | 90/8/24 | 10:04 | 1.407 | 1.86 | -22.45 |
| | R | 1. | 540 | 90/8/23 | 8:51 | 1.230 | 0.98 | -22.07 |
| | R | 2. | 540 | 90/8/24 | 10:17 | 1.461 | 2.05 | -22.00 |
| | I75 | 1. | 540 | 90/8/23 | 9:04 | 1.246 | 1.11 | -22.01 |
| | I75 | 2. | 540 | 90/8/24 | 10:30 | 1.522 | 1.83 | -22.03 |
| | I86 | 1. | 1080 | 90/8/24 | 9:21 | 1.293 | 1.63 | -21.48 |
| | I86 | 2. | 1080 | 90/8/23 | 9:44 | 1.343 | 1.09 | -21.46 |
| 22w | U | 1. | 1350 | 90/8/24 | 7:59 | 1.206 | 1.57 | -20.52 |
| | U | 2. | 1350 | 90/8/22 | 9:06 | 1.257 | 1.23 | -20.46 |
| | B | 1. | 1080 | 90/8/22 | 8:18 | 1.207 | 1.24 | -21.62 |
| | B | 2. | 1080 | 90/8/21 | 9:09 | 1.250 | 1.59 | -21.67 |
| | V | 1. | 540 | 90/8/21 | 8:55 | 1.227 | 1.52 | -22.45 |
| | V | 2. | 540 | 90/8/22 | 8:05 | 1.205 | 1.12 | -22.42 |
| | R | 1. | 540 | 90/8/22 | 8:40 | 1.217 | 1.01 | -22.02 |
| | R | 2. | 540 | 90/8/21 | 9:40 | 1.302 | 1.45 | -22.04 |
| | I75 | 1. | 540 | 90/8/22 | 8:53 | 1.229 | 1.07 | -21.98 |
| | I75 | 2. | 540 | 90/8/21 | 9:53 | 1.334 | 1.54 | -22.00 |
| | I86 | 1. | 1080 | 90/8/23 | 7:47 | 1.207 | 1.11 | -21.47 |
| | I86 | 2. | 1080 | 90/8/22 | 7:14 | 1.234 | 1.57 | -21.47 |

[a]Units of seconds.
[b]See §5.3.

TABLE 3

Average Magnitude Limits

| Filter | Threshold Magnitude | $5\sigma$ Limiting Magnitude[a] | $3\sigma$ Limiting Magnitude[b] | Upper Limit Magnitude | $G(m_{5\sigma})$[c] |
|---|---|---|---|---|---|
| U | 21.0 | 22.8 | 23.45 | 16.0 | 25.2% |
| B | 21.5 | 23.8 | 24.30 | 16.5 | 22.2% |
| V | 21.0 | 23.5 | 24.00 | 16.5 | 27.8% |
| R | 20.0 | 23.0 | 23.50 | 16.5 | 33.0% |
| I75 | 20.0 | 22.4 | 23.05 | 16.0 | 19.5% |
| I86 | 19.5 | 22.1 | 22.70 | 16.0 | 21.5% |

[a]Also 90% completeness magnitude.

[b]Also 50% completeness magnitude.

[c]The percentage of misclassified galaxies in the stellar object catalog at the $5\sigma$ limiting magnitude.

TABLE 4

Photometric Calibration Parameters

| Filter | Color Term | Extinction Coefficient | 1991 Base Zeropoint | 1991 Average Zeropoint | 1990 Base Zeropoint | 1990 Average Zeropoint |
|---|---|---|---|---|---|---|
| U | $-0.043\pm0.011$ | $0.530\pm0.023$ | -20.64 | -20.69 | -20.78 | -20.71 |
| B | $-0.063\pm0.016$ | $0.275\pm0.015$ | -21.71 | -21.75 | -21.80 | -21.74 |
| V | $-0.092\pm0.018$ | $0.113\pm0.007$ | -22.45 | -22.50 | -22.51 | -22.46 |
| R | $-0.098\pm0.020$ | $0.087\pm0.017$ | -22.06 | -22.06 | -22.16 | -22.03 |
| I75 | ... | $0.078\pm0.014$ | -22.03 | -22.05 | -22.08 | -21.99 |
| I86 | ... | $0.039\pm0.008$ | -21.48 | -21.48 | -21.53 | -21.45 |