

# Robert J. Smyth - SSO 41-cm and 61-cm WBVRI 1980-81

| Name   | T   | Log A | V                  | B-V                  | U-B                | V-R   | V-I    | Date      | Notes    |
|--------|-----|-------|--------------------|----------------------|--------------------|-------|--------|-----------|----------|
| (1)    | (2) | (3)   | (4)                | (5)                  | (6)                | (7)   | (8)    | (9)       | (10)     |
| N7814  | 2   | 1.64  | 10.64 <sub>5</sub> | 1.04 <sub>5</sub>    | 0.56               | 0.66  | 1.32   | 80-11-29  |          |
| N0024  | 5   | 1.64  | 11.64              | 0.58                 | -0.20              | 0.45  | 0.78   | 80-12-04  | -1*      |
| N0045  | 8   | 1.64  | 11.22              | 0.53 <sub>5</sub>    | -0.01              | 0.37  | 0.76   | 80-10-09  | -1*      |
| N0055  | 9:  | 1.64  | 9.38               | 0.48                 | -0.25              | 0.32  | ...    | 80-10-01  |          |
|        |     | 1.64  | 9.32 <sub>5</sub>  | 0.48:                | -0.22 <sub>5</sub> | 0.33: | 0.72:  | 80-10-10  |          |
| N0134  | 4   | 1.64  | (10.48)            | (0.89)               | 0.26               | 0.62  | 1.31   | 80-12-08  | -2*      |
|        |     | 1.48  | (10.66)            | 0.91                 | 0.18               | 0.52  | 1.24   | 81-10-02* | -1*      |
| N0150  | 3:  | 1.48  | (11.41)            | 0.66                 | -0.01              | 0.47  | 1.05   | 81-10-02* | +1*      |
| N0157  | 4   | 1.64  | (10.48)            | 0.64                 | -0.02              | 0.39  | 0.80   | 81-08-25  | -1*, +1* |
| N0210  | 3   | 1.64  | 11.17              | 0.74                 | 0.08               | 0.44  | 0.99   | 80-11-11  | -1*      |
| N0247  | 7   | 1.64  | 10.28              | 0.57                 | -0.02              | 0.43  | 0.85   | 80-10-14  |          |
| N0289  | 4   | 1.64  | (10.98:)           | (0.74 <sub>5</sub> ) | 0.17               | 0.49  | (1.07) | 80-12-09  | -1*      |
|        |     | 1.48  | (11.05)            | 0.77 <sub>5</sub>    | 0.08               | 0.50  | 1.09   | 81-10-01* | -1*      |
| N0300  | 7   | 1.64  | 9.73               | 0.65                 | 0.03               | 0.44  | 0.96   | 80-10-05  | -1*      |
|        |     | 1.48  | 10.29              | 0.68                 | -0.01              | 0.45  | 0.95   | 80-11-10* | -1*      |
| N0337A | 8   | 1.64  | 12.34              | 0.59                 | -0.16              | 0.25  | 0.84:  | 80-11-11  | -1*      |
|        |     | 1.35  | 13.13              | 0.66                 | 0.10               | 0.47  | 0.89   | 81-09-01  |          |

| Name  | T   | log A | V                   | B-V               | U-B                | V-R                 | V-I                 | Date      | Notes     |
|-------|-----|-------|---------------------|-------------------|--------------------|---------------------|---------------------|-----------|-----------|
| (1)   | (2) | (3)   | (4)                 | (5)               | (6)                | (7)                 | (8)                 | (9)       | (10)      |
| N0474 | -2  | 1.64  | 11.50               | 0.80              | 0.17               | 0.56                | 1.27                | 80-11-12  |           |
| N0488 | 3   | 1.48  | 10.50               | 0.92              | 0.35               | 0.58                | 1.17 <sub>5</sub>   | 80-11-09* | +1*       |
| N0520 | 0:  | 1.64  | 11.49               | 0.79 <sub>5</sub> | 0.06               | 0.45                | 1.09                | 80-12-11  |           |
| N0613 | 4   | 1.64  | 10.13               | 0.73              | 0.07               | 0.54                | 1.04                | 81-08-28  | see Notes |
|       |     | 1.53  | 10.27               | 0.72              | 0.12               | 0.53                | 1.11                | 80-10-04  |           |
|       |     | 1.35  | 10.67               | 0.76              | 0.11 <sub>5</sub>  | 0.55                | 1.12                | 81-08-28  |           |
| N0625 | 9   | 1.64  | 11.26               | 0.52              | -0.10              | 0.43                | 0.91                | 80-10-12  | see Notes |
|       |     | 1.37  | (11.43)             | 0.55              | -0.10 <sub>5</sub> | 0.36                | 0.79                | 81-10-01* |           |
| N0628 | 5   | 1.64  | (9.92) <sub>5</sub> | 0.6 <sub>5</sub>  | 0.00               | (0.50) <sub>1</sub> | (1.05) <sub>5</sub> | 81-08-25  | -1*       |
| N0685 | 5   | 1.48  | (11.60)             | 0.53              | -0.13              | (0.38)              | 0.84                | 81-09-29* |           |
| N0720 | -5  | 1.64  | 10.41 <sub>5</sub>  | 0.96:             | 0.44:              | 0.56:               | 1.25:               | 80-12-07  |           |
| N0772 | 3   | 1.48  | (10.84)             | (0.87)            | 0.15               | (0.58)              | 1.17 <sub>5</sub>   | 81-10-04* |           |
| N0908 | 5   | 1.64  | 10.39               | (0.68)            | 0.03               | 0.51                | 1.09                | 80-10-09  | +1*       |
| N0936 | -1  | 1.64  | ...                 | 0.99:             | 0.50:              | ...                 | ...                 | 80-10-03  |           |
|       |     | 1.64  | 10.25               | 0.99              | 0.60               | 0.60                | 1.24                | 80-10-04  |           |
|       |     | 1.35  | ...                 | 0.99:             | 0.56:              | 0.53 <sub>5</sub> : | 0.80:               | 80-10-03  |           |
| N0988 | 6   | 1.64  | (9.81:)             | (0.29:)           | 0.18:              | 0.26:               | 0.28:               | 80-12-08  | -1*       |
| N1024 | 2   | 1.37  | (12.45)             | (1.07)            | 0.54 <sub>5</sub>  | (0.71)              | 1.38                | 81-10-04* | -1*       |
| N1042 | 6   | 1.64  | 11.50               | 0.55              | -0.10              | 0.50                | 0.84                | 80-11-29  | -1*       |

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|-------|-----|-------|---------|--------|--------------------|-------------------|-------|------------|-------|
| (1)   | (2) | (3)   | (4)     | (5)    | (6)                | (7)               | (8)   | (9)        | (10)  |
| N1055 | 3:  | 1.64  | 10.74   | 0.75   | -0.06              | 0.57              | 1.26  | 80-12-10   | -1*   |
| N1068 | 3   | 1.64  | ...     | 0.73:  | 0.04:              | 0.50:             | 0.93: | 80-10-03   | +1*   |
| N1073 | 5   | 1.64  | (11.27) | (0.57) | -0.18              | 0.50              | 1.25  | 80-12-09   |       |
| N1084 | 5   | 1.53  | (10.79) | 0.56   | -0.08 <sub>5</sub> | 0.44              | 0.89  | 81-08-27   |       |
| N1097 | 3   | 1.64  | 9.74    | 0.77   | 0.22               | 0.52              | 1.09  | 80-10-05   |       |
|       |     | 1.64  | 9.75    | 0.78   | 0.17               | 0.53              | 1.11  | 80-10-08   |       |
| N1179 | 6   | 1.64  | 11.95   | 0.68   | -0.03              | 0.36 <sub>5</sub> | 0.95  | 81-02-01   | -1*   |
|       |     | 1.64  | 12.17   | 0.70   | 0.07 <sub>5</sub>  | 0.62              | 1.64: | 81-02-02   | -1*   |
| N1187 | 5   | 1.64  | 10.86   | 0.62   | -0.04              | 0.39              | 0.86  | 80-12-11   |       |
|       |     | 1.64  | 10.84   | 0.60   | -0.06:             | 0.50              | 1.11  | 81-02-26   |       |
| N1232 | 5   | 1.64  | 10.33   | (0.67) | 0.02               | 0.47              | 0.96  | 80-10-09   |       |
|       |     | 1.35  | 11.12   | 0.75   | 0.17               | 0.53 <sub>5</sub> | 1.11  | 80-10-14   |       |
| N1249 | 6   | 1.64  | 11.78   | 0.46   | (-0.25)            | 0.30              | ...   | 81-01-30   |       |
|       |     | 1.37  | (12.06) | 0.47   | -0.14              | (0.38)            | 0.66  | 81-09-29 * |       |
| N1253 | 6   | 1.64  | (11.68) | (0.60) | -0.15              | 0.44              | 1.09  | 80-12-08   | -1*   |
| N1291 | 0   | 1.64  | 9.18    | 0.95   | 0.50 <sub>5</sub>  | 0.55              | 1.18  | 80-10-12   | -1*   |
|       |     | 1.37  | (9.46)  | 0.99   | 0.53               | 0.57              | 1.20  | 81-10-02 * |       |
| N1300 | 4   | 1.64  | 10.76   | 0.77   | 0.15               | 0.56              | 1.19  | 80-10-08   |       |
| N1313 | 7   | 1.64  | 9.97    | 0.46   | -0.19              | 0.39              | 0.78  | 80-10-15   | -1*   |
|       |     | 1.64  | 10.03   | 0.47   | -0.24              | 0.40              | 0.82  | 80-11-13   | -1*   |

| Name  | T   | log A | V                  | B-V               | U-B               | V-R    | V-I               | Date      | Notes     |
|-------|-----|-------|--------------------|-------------------|-------------------|--------|-------------------|-----------|-----------|
| (1)   | (2) | (3)   | (4)                | (5)               | (6)               | (7)    | (8)               | (9)       | (10)      |
| N1316 | -2  | 1.64  | 8.93               | 0.91              | 0.46              | 0.54   | 1.13              | 80-10-05  |           |
|       |     | 1.37  | (9.34)             | 0.94 <sub>5</sub> | 0.54              | 0.60   | 1.18              | 81-10-02* |           |
| N1332 | -3  | 1.64  | 10.35              | 1.00              | 0.66              | 0.57   | 1.20 <sub>5</sub> | 80-12-04  |           |
| N1337 | 6   | 1.64  | 12.14 <sub>5</sub> | 0.62              | -0.02             | 0.43   | 1.14              | 80-11-29  |           |
|       |     | 1.48  | (12.21)            | 0.65              | 0.08 <sub>5</sub> | 0.42   | 0.83 <sub>5</sub> | 81-09-28* |           |
| N1350 | 2   | 1.64  | 10.39              | 0.88              | 0.36              | 0.51   | 1.02              | 80-10-12  |           |
| N1365 | 3   | 1.64  | 9.82               | 0.73              | 0.07              | 0.48   | 0.97              | 80-11-11  | -1*       |
| N1371 | 1   | 1.37  | (11.11)            | (0.93)            | 0.47              | (0.57) | 1.16              | 81-10-04* | see Notes |
| N1380 | -2  | 1.64  | 10.04              | 0.94              | 0.45              | 0.56   | 1.18              | 80-10-15  | -1*       |
| N1398 | 2   | 1.64  | 9.94               | 0.93              | 0.45              | 0.58   | 1.25              | 80-10-04  |           |
|       |     | 1.64  | 9.91               | 0.91              | 0.38              | 0.55   | 1.20              | 81-09-01  |           |
| N1399 | -4  | 1.64  | (9.63)             | 0.97              | 0.48              | 0.56   | 1.23              | 80-12-06  | +1*       |
| N1425 | 3   | 1.64  | 10.74              | 0.73              | 0.14 <sub>5</sub> | 0.44   | 0.94              | 80-10-04  | -1*, +2*  |
|       |     | 1.64  | 10.65              | 0.70              | 0.15              | 0.44   | 0.89              | 80-10-14  | -1*, +2*  |
| N1433 | 1   | 1.64  | 10.27              | 0.80              | 0.31              | 0.49   | 1.03              | 80-10-05  |           |
| N1448 | 6   | 1.64  | 10.94              | 0.75              | 0.04              | 0.58   | 1.30              | 80-11-12  | -1*       |
| N1487 | 0   | 1.48  | 11.83              | 0.45              | -0.21             | 0.31   | 0.57              | 80-11-10* | -2*       |
| N1512 | 1   | 1.64  | 10.67              | 0.83              | 0.28 <sub>5</sub> | 0.46   | 0.62              | 80-10-01  | -1*, +1*  |

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|-------|-----|-------|---------|-------------------|-------------------|------|-------------------|-----------|-----------|
| (1)   | (2) | (3)   | (4)     | (5)               | (6)               | (7)  | (8)               | (9)       | (10)      |
| N1515 | 4   | 1.64  | (11.20) | 0.87              | 0.41              | 0.58 | 1.32              | 80-12-05  |           |
|       |     | 1.64  | 11.02   | 0.90              | 0.26              | 0.56 | 1.22              | 81-02-28  |           |
|       |     | 1.35  | 11.34   | 0.92              | 0.30              | 0.58 | 1.25              | 81-02-28  |           |
| N1531 | -5: | 1.16  | 12.46   | 0.69              | 0.19              | 0.47 | 1.00              | 81-03-04  | see Notes |
|       |     | 0.96  | 12.58   | 0.73              | 0.20              | 0.47 | 1.03 <sub>5</sub> | 80-12-10  |           |
| N1532 | 2   | 1.64  | 10.27   | 0.86              | 0.17              | 0.55 | 1.14              | 80-10-08  | see Notes |
|       |     | 1.64  | 10.26   | 0.86              | 0.22              | 0.54 | 1.20              | 80-12-10  | see Notes |
|       |     | 1.64  | 10.24   | 0.86              | 0.18              | 0.57 | 1.26 <sub>5</sub> | 81-03-04  | see Notes |
| N1543 | -2  | 1.48  | (10.69) | 0.96              | 0.49 <sub>5</sub> | 0.58 | 1.18              | 81-10-01* |           |
| N1549 | -3  | 1.64  | 9.93    | 0.97              | 0.53              | 0.56 | 1.18              | 80-11-29  | -1*       |
|       |     | 1.64  | 9.85    | 0.94              | 0.50              | 0.53 | 1.15              | 81-03-07  | -1*       |
|       |     | 1.35  | 10.15   | 0.95              | 0.49              | 0.54 | (1.17)            | 81-03-01  |           |
| N1553 | -2  | 1.64  | 9.38    | 0.89              | 0.43              | 0.52 | 1.11              | 80-10-15  | -2*, +1*  |
|       |     | 1.37  | (9.66)  | 0.92              | 0.48              | 0.56 | 1.12              | 81-10-02* | see Notes |
| N1566 | 4   | 1.64  | 9.84    | (0.63)            | -0.03             | 0.45 | 0.93              | 80-10-09  | -2*       |
|       |     | 1.64  | 9.85    | 0.64 <sub>5</sub> | 0.03              | 0.48 | 1.01              | 81-03-06  | -2*       |
|       |     | 1.35  | 10.29   | 0.70              | 0.04              | 0.49 | (1.02)            | 81-03-01  |           |
| N1617 | 1   | 1.64  | 10.23   | 0.85              | 0.29              | 0.57 | 1.41              | 80-11-13  | see Notes |
| N1672 | 3   | 1.64  | 9.96    | 0.64              | 0.01              | 0.42 | 0.82              | 80-10-12  | -2*       |
|       |     | 1.64  | 9.94    | 0.65              | 0.02              | 0.45 | 1.00              | 81-03-07  | -2*       |

| Name             | T   | log A        | V                     | B-V                       | U-B               | V-R               | V-I               | Date                 | Notes     |
|------------------|-----|--------------|-----------------------|---------------------------|-------------------|-------------------|-------------------|----------------------|-----------|
| (1)              | (2) | (3)          | (4)                   | (5)                       | (6)               | (7)               | (8)               | (9)                  | (10)      |
| N1672<br>(cont.) | 3   | 1.53<br>1.35 | 10.15<br>10.49        | 0.65 <sub>5</sub><br>0.70 | 0.01<br>0.04      | 0.47<br>0.49      | 0.97<br>1.04      | 80-11-11<br>81-02-27 | -1*       |
| N1744            | 7   | 1.64         | 11.53                 | 0.47                      | -0.13             | 0.36              | 0.64              | 80-10-14             | +2*       |
|                  |     | 1.64         | (11.29)               | (0.58)                    | -0.12             | 0.26              | (0.60)            | 80-12-09             | +2*       |
| N1792            | 4   | 1.64         | 10.20 <sub>5</sub>    | 0.70                      | 0.06              | 0.49              | 0.99 <sub>5</sub> | 80-10-05             |           |
|                  |     | 1.64         | 10.19                 | 0.73                      | 0.07 <sub>5</sub> | 0.53              | 1.09              | 80-12-11             |           |
| N1808            | 1   | 1.64         | 10.13                 | (0.86)                    | 0.23              | 0.55              | 1.18              | 80-10-09             | -1*       |
|                  |     | 1.64         | 10.18                 | 0.84                      | 0.28              | 0.61              | 1.19              | 80-11-13             | -1*       |
| N1964            | 3   | 1.64         | 10.86:                | 0.76:                     | -0.02:            | 0.51:             | 1.06:             | 80-10-08             | see Notes |
|                  |     | 1.64         | 10.80                 | 0.75                      | ...               | 0.49              | 1.03              | 81-01-31             | see Notes |
|                  |     | 1.53         | (10.69 <sub>5</sub> ) | (0.81 <sub>5</sub> )      | 0.16              | 0.39              | 0.92              | 80-12-08             | see Notes |
| N2090            | 5   | 1.64         | 10.84                 | 0.70                      | 0.21              | 0.55 <sub>5</sub> | 1.15              | 80-12-04             | -2*, +2*  |
|                  |     | 1.35         | 11.27                 | 0.80 <sub>5</sub>         | 0.15              | 0.56              | 1.10              | 80-11-13             | -1*       |
|                  |     | 1.35         | (11.31)               | (0.82)                    | 0.26              | 0.55              | (1.21)            | 80-12-09             | -1*       |
|                  |     | 1.35         | 11.24 <sub>5</sub>    | 0.82                      | 0.18 <sub>5</sub> | 0.51              | 1.09              | 81-02-01             | -1*       |
| N2280            | 6   | 1.64         | 11.21                 | 0.66                      | 0.26              | 0.31              | 0.55              | 81-02-08             | -3*       |
|                  |     | 1.35         | 12.01                 | 0.67                      | 0.01              | 0.50              | 1.12              | 80-11-12             | -1*       |
|                  |     | 1.35         | (11.79)               | (0.76)                    | 0.11              | 0.56 <sub>5</sub> | 1.21              | 80-12-08             | -1*       |
| N2427            | 8   | 1.64         | 11.49:                | 0.81:                     | -0.32:            | 0.75:             | 1.57:             | 80-12-04             | see Notes |
|                  |     | 1.64         | 11.46                 | 0.93                      | 0.15:             | 0.69              | 1.21              | 80-12-11             | see Notes |

| Name  | T   | log A | V                  | B-V                  | U-B                | V-R               | V-I               | Date     | Notes     |
|-------|-----|-------|--------------------|----------------------|--------------------|-------------------|-------------------|----------|-----------|
| (1)   | (2) | (3)   | (4)                | (5)                  | (6)                | (7)               | (8)               | (9)      | (10)      |
| N2442 | 3   | 1.64  | (10.78)            | 0.80                 | 0.27               | 0.68              | 1.45              | 80-12-05 | see Notes |
|       |     | 1.64  | 10.75              | 0.79                 | 0.27               | 0.55              | 1.17              | 81-02-01 |           |
|       |     | 1.35  | (11.41)            | (0.93 <sub>5</sub> ) | 0.33 <sub>5</sub>  | 0.66 <sub>5</sub> | (1.39)            | 80-12-09 |           |
|       |     | 1.35  | 11.32              | 0.92                 | 0.35 <sub>5</sub>  | 0.62              | (1.32)            | 81-03-01 |           |
| N2613 | 3   | 1.64  | (10.57)            | (0.95)               | 0.49               | 0.60              | 1.29              | 80-12-08 | -4*       |
|       |     | 1.64  | 10.50              | 0.92                 | 0.63               | 0.58              | 1.28              | 81-02-28 | -4*       |
|       |     | 1.35  | 11.01              | 1.01                 | 0.43               | 0.65              | 1.36              | 81-02-27 |           |
| N2784 | 0   | 1.64  | 10.17              | 1.17                 | 0.79               | 0.69              | 1.46              | 81-01-31 |           |
|       |     | 1.64  | 10.22:             | 1.15 <sub>5</sub> :  | 0.91:              | 0.69:             | 1.46:             | 81-02-26 |           |
|       |     | 1.35  | 10.42              | 1.15                 | 0.73               | 0.69              | 1.44              | 81-03-03 |           |
| N2835 | 5   | 1.64  | 10.82              | 0.53                 | -0.08              | 0.43              | 0.97              | 81-02-26 | -1*       |
|       |     | 1.64  | 10.79              | 0.54                 | -0.07              | 0.43              | (0.92)            | 81-03-01 | -1*       |
|       |     | 1.35  | 11.45              | 0.63                 | -0.04              | 0.46              | 0.89              | 81-03-06 |           |
| N2911 | 0   | 1.64  | 11.72              | 1.10                 | 0.51               | 0.61              | 1.18              | 81-02-28 | -1*       |
|       |     | 1.35  | 12.05              | 1.02                 | 0.52               | 0.64              | 1.29              | 81-03-07 |           |
| N2997 | 5   | 1.64  | 9.78 <sub>5</sub>  | 0.80                 | 0.29               | 0.51              | 1.03              | 81-01-31 |           |
|       |     | 1.35  | 10.89              | 0.87                 | 0.27               | 0.56              | 1.22 <sub>5</sub> | 81-03-03 |           |
| N3044 | 5   | 1.64  | 12.06 <sub>5</sub> | 0.53 <sub>5</sub>    | -0.34              | 0.41              | 1.08              | 81-02-28 |           |
| N3109 | 9   | 1.64  | 10.78              | 0.51 <sub>5</sub>    | -0.13              | 0.42              | 0.91              | 81-03-02 | see Notes |
| N3115 | -3  | 1.64  | 9.27               | 0.98                 | 0.56               | 0.59              | 1.24              | 81-03-06 | -1*       |
| N3137 | 6   | 1.53  | 11.84 <sub>5</sub> | 0.63                 | -0.09 <sub>5</sub> | 0.29              | 0.88              | 81-02-09 | -1*       |

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|-------|-----|-------|----------------------|-------------------|-------------------|-------|-------|----------|-----------|
| (1)   | (2) | (3)   | (4)                  | (5)               | (6)               | (7)   | (8)   | (9)      | (10)      |
| N3166 | 0   | 1.64  | (10.50)              | 0.95              | 0.34              | 0.57  | 1.25  | 81-05-02 |           |
| N3169 | 1   | 1.64  | 10.45                | 0.87              | 0.27              | 0.59  | 1.29  | 81-04-08 | -1*       |
| N3175 | 1   | 1.64  | 11.24                | 0.90 <sub>5</sub> | 0.27              | 0.57  | 1.29  | 81-05-01 |           |
| N3200 | 2   | 1.64  | (11.98)              | 0.70              | -0.20             | 0.41  | ...   | 81-06-28 | see Notes |
| N3239 | 9   | 1.64  | 11.34                | 0.41              | -0.16             | 0.41  | 1.10  | 81-04-29 | see Notes |
| N3256 |     | 1.64  | ...                  | 0.63              | -0.10             | 0.40  | ...   | 81-06-29 |           |
| N3263 | 5   | 1.53  | 12.00                | 0.62 <sub>5</sub> | 0.31              | ...   | ...   | 81-07-26 | see Notes |
| N3268 | -3  | 1.64  | (10.85)              | 0.88              | 0.46 <sub>5</sub> | 0.51  | 1.08  | 81-03-04 | see Notes |
| N3351 | 3   | 1.64  | 9.96:                | 0.82:             | ...               | 0.55: | 1.17: | 81-04-05 |           |
| N3365 | 6:  | 1.64  | 12.7:                | 0.6:              | -0.5:             | 0.8:  | 1.6:  | 81-04-07 |           |
| N3368 | 2   | 1.64  | (9.59 <sub>5</sub> ) | 0.95              | 0.37              | 0.56  | 1.24  | 81-05-04 |           |
| N3511 | 5   | 1.64  | 11.19                | 0.61              | -0.09             | 0.46  | 1.06  | 81-04-06 | -2*       |
| N3521 | 4   | 1.64  | (9.31)               | 0.83              | 0.21              | 0.55  | 1.22  | 81-05-02 |           |
| N3573 | -1? | 1.53  | 12.29                | 1.08              | 0.32              | 0.54  | 1.22  | 81-05-03 |           |
| N3593 | 0   | 1.64  | 10.98                | 1.03              | 0.30              | 0.59  | 1.34  | 81-05-01 | see Notes |
| N3621 | 7   | 1.53  | 10.01                | 0.69              | -0.03             | 0.50  | 1.07  | 81-04-30 |           |
| N3627 | 3   | 1.64  | 9.16:                | 0.74:             | ...               | 0.53: | 1.10: | 81-04-05 |           |
| N3705 | 2   | 1.64  | 10.98                | 0.81              | 0.11              | 0.50  | 1.11  | 81-04-08 |           |

| Name  | T   | log A | V                    | B-V               | U-B                | V-R               | V-I               | Date     | Notes     |
|-------|-----|-------|----------------------|-------------------|--------------------|-------------------|-------------------|----------|-----------|
| (1)   | (2) | (3)   | (4)                  | (5)               | (6)                | (7)               | (8)               | (9)      | (10)      |
| N3717 | 3:  | 1.64  | 11.27                | 1.00 <sub>5</sub> | 0.50               | 0.62              | 1.31              | 81-02-09 | -1*       |
| N4038 | 9   | 1.64  | 10.37                | 0.65              | -0.13              | 0.50              | 1.03              | 81-03-06 | see Notes |
| N4124 | -1  | 1.64  | 11.50                | 0.91              | -0.21              | 0.56              | 0.98              | 81-04-29 | see Notes |
| N4178 | 8   | 1.64  | 11.57 <sub>5</sub>   | 0.47              | -0.03              | 0.41              | 0.68              | 81-04-07 | see Notes |
| N4192 | 2   | 1.64  | (10.44)              | 0.90              | 0.24               | 0.55              | 1.13              | 81-05-02 | +1*       |
| N4216 | 3   | 1.64  | 10.28                | 1.02 <sub>5</sub> | 0.44               | 0.62              | 1.36              | 81-05-01 | -1*       |
| N4293 | 0   | 1.64  | 10.66                | 0.94 <sub>5</sub> | 0.24               | 0.55              | 1.31              | 81-04-30 | -2*       |
| N4303 | 4   | 1.64  | 9.81                 | 0.59              | -0.07              | 0.48              | 1.02              | 81-03-02 | +1*       |
| N4321 | 4   | 1.64  | (9.79 <sub>5</sub> ) | 0.69              | -0.02 <sub>5</sub> | 0.50              | 1.05              | 81-03-03 |           |
| N4365 | -5  | 1.64  | 10.01                | 1.00              | 0.43               | 0.57              | 1.26              | 81-03-07 |           |
| N4382 | -1  | 1.64  | 9.38                 | 0.88 <sub>5</sub> | 0.37               | 0.62              | 1.16              | 81-04-10 |           |
| N4388 | 3:  | 1.64  | (11.11)              | 0.84              | 0.10               | 0.51              | 1.25              | 81-05-04 | +1*       |
| N4429 | -1  | 1.53  | 10.26 <sub>5</sub>   | 0.97              | 0.52               | 0.56 <sub>5</sub> | 1.22              | 81-04-29 |           |
| N4438 | 0   | 1.64  | 10.56                | 0.91              | 0.40               | 0.55              | 1.12              | 81-04-08 |           |
| N4472 | -5  | 1.64  | 8.99 <sub>5</sub>    | 0.97              | 0.58               | 0.60              | 1.26              | 81-03-06 | -1*       |
| N4486 | -5  | 1.64  | (9.20)               | 0.99              | 0.49               | 0.58              | 1.23              | 81-03-04 |           |
| N4526 | -2  | 1.64  | ...                  | 1.02              | 0.44               | 0.58              | 1.21              | 81-06-29 | +1*       |
| N4527 | 4   | 1.64  | (10.83)              | 0.90              | 0.23               | 0.63              | 1.24 <sub>5</sub> | 81-06-28 | +2*       |

| Name  | T   | Log A | V                     | B-V               | U-B               | V-R   | V-I   | Date     | Notes     |
|-------|-----|-------|-----------------------|-------------------|-------------------|-------|-------|----------|-----------|
| (1)   | (2) | (3)   | (4)                   | (5)               | (6)               | (7)   | (8)   | (9)      | (10)      |
| N4536 | 4   | 1.64  | 11.26                 | 0.61              | -0.14             | 0.57  | 1.25  | 81-04-06 | see Notes |
| N4594 | 1   | 1.64  | 8.59                  | 1.02              | 0.50 <sub>5</sub> | 0.58  | 1.29  | 81-05-03 | -1*       |
| N4636 | -5  | 1.64  | (9.82)                | 0.98              | 0.45              | 0.53  | 1.23  | 81-05-04 |           |
| N4697 | -5  | 1.64  | 9.58                  | 0.93              | 0.42              | 0.55  | 1.15  | 81-04-08 | see Notes |
| N4731 | 6   | 1.64  | (11.63)               | 0.41              | -0.21             | 0.32  | 0.82  | 81-05-02 | -1*, +2*  |
| N4754 | -3  | 1.64  | 10.73                 | 0.88              | 0.32              | 0.62  | 1.35  | 81-04-07 |           |
| N4753 | 0   | 1.64  | (10.30)               | 0.93              | 0.17 <sub>5</sub> | 0.63  | 1.36  | 81-03-04 | see Notes |
| N4845 | 2   | 1.35  | 11.44                 | 0.98              | 0.51              | ...   | ...   | 81-07-26 | -1*       |
| N4866 | -1  | 1.64  | (11.12)               | 0.93              | 0.50              | 0.48  | 1.05  | 81-03-03 | -1*       |
| N4930 | 5   | 1.64  | (11.31 <sub>5</sub> ) | 0.95:             | 0.32:             | 0.59: | 1.09: | 81-08-01 | see Notes |
| N4939 | 4   | 1.64  | 11.35                 | 0.66 <sub>5</sub> | 0.16              | 0.58  | 1.18  | 81-04-29 | see Notes |
| N5054 | 4   | 1.64  | 10.88                 | 0.82              | 0.06              | 0.54  | 1.15  | 81-04-30 | -2*, +2*  |
| N5061 | -3  | 1.64  | 10.32                 | 0.91              | 0.36              | 0.52  | 1.11  | 81-04-10 | +1*       |
| N5068 | 6   | 1.64  | 10.25                 | 0.65              | -0.14             | 0.47  | 1.07  | 81-08-23 | -1*       |
| N5084 | 3   | 1.64  | 10.75                 | 1.13              | 0.53              | 0.68  | 1.42  | 81-03-07 | -1*, +2*  |
| N5101 | 0   | 1.35  | 10.86 <sub>5</sub>    | 1.05              | 0.62              | 0.63  | 1.33  | 81-09-01 |           |
| N5102 | -3  | 1.64  | (9.57)                | 0.52              | 0.21              | 0.37  | 0.82  | 81-04-09 |           |
| N5161 | 5   | 1.64  | (11.32)               | 0.82              | 0.10:             | 0.36  | 0.84  | 81-08-30 |           |

| Name  | T   | log A | V                  | B-V   | U-B               | V-R               | V-I               | Date     | Notes     |
|-------|-----|-------|--------------------|-------|-------------------|-------------------|-------------------|----------|-----------|
| (1)   | (2) | (3)   | (4)                | (5)   | (6)               | (7)               | (8)               | (9)      | (10)      |
| N5170 | 5:  | 1.64  | 11.43              | 0.92  | -0.07             | 0.57              | 1.30              | 81-03-02 |           |
| N5236 | 5   | 1.64  | (8.54)             | 0.69  | -0.07             | 0.51              | 1.07              | 81-05-02 |           |
| N5247 | 4   | 1.64  | 10.61              | 0.58  | -0.05             | 0.49              | 1.07              | 81-03-06 |           |
| N5364 | 4   | 1.64  | (10.88)            | 0.68  | 0.08              | 0.50 <sub>5</sub> | 1.14              | 81-03-04 | -2*       |
| N5530 | 5   | 1.64  | (11.23)            | 0.72: | 0.23:             | 0.47:             | 1.16:             | 81-08-01 | see Notes |
| N5566 | 2   | 1.35  | 10.94              | 0.94  | 0.48              | 0.61              | 1.29              | 81-04-06 |           |
| N5643 | 5   | 1.64  | (10.23)            | 0.79  | 0.17              | 0.60              | 1.20              | 81-06-28 | see Notes |
| N5688 | 5   | 1.35  | (12.14)            | 0.98  | 0.40 <sub>5</sub> | 0.59              | 1.32              | 81-05-02 |           |
| N5701 | 0   | 1.64  | (11.09)            | 0.90  | 0.26              | 0.57              | 0.96:             | 81-03-06 | -2*, +1*  |
| N5746 | 3   | 1.64  | (10.43)            | 0.58  | 0.25              | 0.50              | 1.13              | 81-03-03 |           |
| N5792 | 3   | 1.64  | 11.35:             | 0.84: | 0.20:             | 0.71:             | 0.66:             | 81-03-07 | -1*       |
| N5921 | 4   | 1.64  | 11.05              | 0.71  | -0.02             | 0.49              | 1.13              | 81-05-05 | -2*       |
|       |     | 1.35  | 11.23              | 0.78  | 0.11              | 0.51              | 1.05              | 81-04-06 | see Notes |
| N6118 | 6   | 1.64  | (11.77)            | 0.75  | 0.39              | 0.43              | 1.23              | 81-04-29 | see Notes |
|       |     | 1.64  | 11.88              | 0.82  | 0.02              | 0.53              | 1.29              | 81-05-03 | see Notes |
| N6221 | 5   | 1.53  | 10.24              | 0.79  | 0.15              | 0.61              | 1.22 <sub>5</sub> | 81-05-03 | see Notes |
| N6300 | 3   | 1.53  | 10.17 <sub>5</sub> | 0.76  | 0.16              | 0.58              | 1.14              | 81-04-08 | see Notes |
| N6384 | 4   | 1.64  | (10.96)            | 0.74  | 0.23              | 0.55              | 1.20              | 81-04-09 | see Notes |

| Name             | T   | log A | V                    | B-V               | U-B               | V-R   | V-I                 | Date      | Notes     |
|------------------|-----|-------|----------------------|-------------------|-------------------|-------|---------------------|-----------|-----------|
| (1)              | (2) | (3)   | (4)                  | (5)               | (6)               | (7)   | (8)                 | (9)       | (10)      |
| N6384<br>(cont.) | 4   | 1.35  | 11.43 <sub>5</sub>   | 0.94              | 0.29 <sub>5</sub> | 0.59  | 1.20                | 81-04-06  |           |
| N6744            | 4   | 1.64  | (9.54)               | 0.77              | 0.15              | 0.50  | 1.03                | 81-05-02  | see Notes |
|                  |     | 1.64  | 9.58                 | 0.74              | 0.16              | 0.59  | 1.09                | 81-05-05  | see Notes |
| N6822            | 9   | 1.64  | (10.63:)             | 0.72:             | 0.07:             | 0.52: | 1.21:               | 81-06-28  | see Notes |
| N6872            | 3   | 1.64  | 11.89:               | 0.93:             | 0.35:             | 0.29: | 0.79:               | 81-06-07  | see Notes |
|                  |     | 1.64  | ...                  | 1.10              | 0.95              | 0.68  | 1.41 <sub>5</sub>   | 81-06-27  | see Notes |
|                  |     | 1.64  | (11.73)              | 0.90:             | 0.47:             | 0.27: | 0.49:               | 81-08-01  | see Notes |
|                  |     | 1.19  | (12.00)              | 1.02              | 0.44              | 0.65  | 1.29                | 81-10-01* |           |
| N6887            | 4:  | 1.53  | 12.10                | 0.80 <sub>5</sub> | 0.51              | ...   | ...                 | 81-07-26  | +1*       |
| N6902            | 4   | 1.64  | ...                  | 0.74:             | ...               | ...   | ...                 | 80-10-03  | see Notes |
|                  |     | 1.64  | 11.25                | 0.72:             | 0.10 <sub>5</sub> | 0.48  | 0.90                | 80-10-05  | see Notes |
|                  |     | 1.64  | (11.23)              | 0.77              | 0.11 <sub>5</sub> | 0.52  | 1.18                | 81-06-07  | see Notes |
|                  |     | 1.35  | 11.69                | 0.82              | 0.54              | 0.49  | 1.12                | 81-06-08  | +1*       |
| N6925            | 4   | 1.64  | 11.34                | 0.76              | ...               | 0.56  | 1.26                | 81-08-23  | see Notes |
| N6943            | 6:  | 1.64  | 11.40                | 0.76              | 0.12              | ...   | ...                 | 81-07-26  | +3*       |
|                  |     | 1.64  | 11.41                | 0.74              | ...               | 0.48  | 0.88                | 81-08-23  | +3*       |
| N7020            | -1  | 1.64  | 11.74                | 0.99              | 0.24              | ...   | ...                 | 81-07-26  |           |
|                  |     | 1.35  | ...                  | 0.95              | 0.56:             | 0.63  | 1.23                | 81-08-30  |           |
| N7041            | -3  | 1.53  | 11.30                | 0.91              | 0.39              | 0.55  | 1.13                | 81-08-28  |           |
| N7064            | 5?  | 1.64  | 11.96 <sub>5</sub> : | 0.61:             | 0.11:             | 0.55: | 0.55 <sub>5</sub> : | 81-08-28  | see Notes |

| Name  | T   | log A | V                     | B-V               | U-B                 | V-R                 | V-I                 | Date      | Notes     |
|-------|-----|-------|-----------------------|-------------------|---------------------|---------------------|---------------------|-----------|-----------|
| (1)   | (2) | (3)   | (4)                   | (5)               | (6)                 | (7)                 | (8)                 | (9)       | (10)      |
| N7083 | 4   | 1.64  | 11.36                 | 0.59              | 0.02                | ...                 | ...                 | 81-07-26  | +1*       |
|       |     | 1.64  | 11.32 <sub>5</sub>    | 0.63              | 0.32                | 0.43                | 0.71 <sub>5</sub>   | 81-09-01  | +1*       |
|       |     | 1.37  | (11.47)               | 0.71              | 0.07                | (0.51)              | 1.00                | 81-09-29* |           |
| N7090 | 6:  | 1.64  | 11.01                 | 0.58 <sub>5</sub> | 0.01                | 0.41                | 0.90                | 80-10-05  | -1*, +1*  |
|       |     | 1.64  | 11.10                 | 0.61              | -0.12               | 0.46                | 1.00                | 81-06-28  | -1*, +1*  |
|       |     | 1.35  | 11.55                 | 0.59              | 0.00                | 0.42                | 0.94                | 80-10-09  | +1*       |
| N7098 | 1   | 1.64  | 11.48                 | 0.89              | 0.31                | 0.57                | 1.25:               | 80-10-08  |           |
|       |     | 1.53  | 11.56:                | 0.98:             | 0.44 <sub>5</sub> : | 0.54:               | 1.16 <sub>5</sub> : | 80-10-10  |           |
| N7141 | 4   | 1.64  | 11.65:                | 0.70: (-0.37:)    | 0.48:               | 1.22 <sub>5</sub> : |                     | 80-10-12  | +1*       |
|       |     | 1.64  | ...                   | 0.71              | 0.21:               | 0.60 <sub>5</sub>   | 1.17                | 81-08-30  | see Notes |
|       |     | 1.37  | ...                   | 0.78 <sub>5</sub> | 0.12                | 0.51                | 1.12                | 81-09-30* | +1*       |
| N7184 | 5   | 1.64  | 11.17                 | 0.80              | 0.22                | 0.49                | 1.05                | 80-10-08  |           |
|       |     | 1.37  | (11.44)               | 0.92              | 0.20                | (0.53)              | 1.22                | 81-09-28* |           |
| N7205 | 4   | 1.64  | 10.98                 | 0.60 <sub>5</sub> | -0.02               | ...                 | ...                 | 81-07-26  |           |
|       |     | 1.64  | (11.00)               | 0.65              | -0.05               | 0.48                | 1.04                | 81-08-27  |           |
| N7307 | 5:  | 1.64  | (12.48 <sub>5</sub> ) | 0.49              | 0.03                | 0.43                | 0.99                | 81-08-27  | -1*, +2*  |
| N7314 | 4   | 1.64  | 11.02                 | 0.63              | -0.04               | ...                 | ...                 | 81-07-26  | -1*       |
| N7329 | 3   | 1.48  | (11.75)               | 0.85              | 0.23                | (0.50)              | 1.07                | 81-09-29* | +1*       |
| N7377 | -1  | 1.35  | (11.54)               | 0.96              | 0.44                | 0.55                | 1.14                | 81-06-28  |           |
| N7410 | 1   | 1.64  | 10.34                 | 0.92              | 0.43                | 0.51 <sub>5</sub>   | 1.14                | 80-10-09  | +1*       |

| Name   | T   | log A | V                  | B-V               | U-B               | V-R                  | V-I                 | Date      | Notes     |
|--------|-----|-------|--------------------|-------------------|-------------------|----------------------|---------------------|-----------|-----------|
| (1)    | (2) | (3)   | (4)                | (5)               | (6)               | (7)                  | (8)                 | (9)       | (10)      |
| N7412  | 3   | 1.64  | 10.97 <sub>5</sub> | 0.74              | (0.05:)           | 0.49                 | 0.99                | 80-10-12  | +3*       |
| N7412A | 8:  | 1.48  | (13.95)            | 0.57              | ...               | 0.15                 | 0.79                | 81-10-02* |           |
| N7424  | 6   | 1.64  | 11.04:             | 0.53:             | -0.08:            | 0.42 <sub>5</sub> :  | 0.92:               | 80-10-10  |           |
|        |     | 1.48  | (11.45)            | (0.56)            | -0.05             | (0.51)               | 0.92                | 81-10-04* |           |
| N7456  | 6   | 1.64  | 11.99              | 0.54              | -0.13             | 0.47                 | 0.59 <sub>5</sub>   | 81-09-01  | -1*       |
|        |     | 1.37  | (12.21)            | 0.58              | -0.15:            | (0.41 <sub>5</sub> ) | 0.99                | 81-09-28* |           |
| N7462  | 5?  | 1.48  | ...                | 0.88              | 0.34              | 0.46                 | 0.95                | 81-09-30* | +1*       |
| N7479  | 5   | 1.37  | ...                | 0.85              | 0.16              | 0.56 <sub>5</sub>    | 1.11                | 81-09-30* | +1*       |
| N7531  | 4   | 1.53  | (11.46)            | 0.72              | 0.00              | 0.47                 | 0.95                | 81-06-28  |           |
| N7582  | 2   | 1.37  | (10.87)            | 0.82              | 0.27              | 0.51                 | 1.13                | 81-10-01* |           |
| N7606  | 3   | 1.64  | 10.98              | 0.72              | 0.21 <sub>5</sub> | 0.57                 | 1.03                | 80-11-12  | see Notes |
|        |     | 1.37  | (11.17)            | 0.84 <sub>5</sub> | 0.13              | 0.50                 | 1.14 <sub>5</sub>   | 81-10-01* |           |
| N7702  | -1  | 1.37  | (12.21)            | 0.94              | 0.36              | 0.56                 | 1.18                | 81-09-28* |           |
| N7713  | 7   | 1.64  | 11.22              | 0.33              | -0.11             | 0.35                 | 0.71                | 81-09-01  | -1*       |
| N7793  | 7   | 1.64  | 9.66               | 0.50              | -0.16             | 0.38 <sub>5</sub>    | 0.87                | 80-10-08  | see Notes |
| I0983  | 4   | 1.64  | 11.78:             | 0.90:             | -0.6:             | 0.36:                | 1.24 <sub>5</sub> : | 81-03-02  | -1*, +1*  |
| I1613  | 9   | 1.64  | 11.49              | 0.53              | -0.25             | 0.26                 | 0.29                | 80-12-10  | see Notes |

| Name   | T   | log A | V                  | B-V   | U-B     | V-R               | V-I               | Date      | Notes     |
|--------|-----|-------|--------------------|-------|---------|-------------------|-------------------|-----------|-----------|
| (1)    | (2) | (3)   | (4)                | (5)   | (6)     | (7)               | (8)               | (9)       | (10)      |
| I1914  | 7   | 1.37  | (13.15)            | 0.48  | -0.01   | 0.45              | 0.80              | 81-09-28* |           |
| I2531  | 5   | 1.64  | 12.02              | 0.91  | -0.57:  | 0.61 <sub>5</sub> | 0.76              | 81-02-09  |           |
| I4351  | 3   | 1.64  | (11.72)            | 0.94  | -0.02   | 0.64 <sub>5</sub> | 1.15              | 81-04-09  | -1*, +1*  |
| I4402  | 3:  | 1.48  | (11.61)            | 0.46  | -0.30   | 0.40              | 0.94              | 81-07-02* | see Notes |
| I4710  | 9   | 1.53  | 12.39 <sub>5</sub> | 0.52  | -0.13   | ...               | ...               | 81-07-26  | see Notes |
|        |     | 1.53  | (11.84)            | 0.59: | ...     | 0.42:             | 0.64:             | 81-08-01  | see Notes |
| I4721  | 6   | 1.64  | 11.72              | 0.72  | 0.21    | 0.62 <sub>5</sub> | 1.45              | 81-05-01  | see Notes |
| I4810  | 7:  | 1.53  | 12.77              | 0.59  | 0.24    | ...               | ...               | 81-07-26  | see Notes |
| I4837A | 2   | 1.64  | 12.00:             | 0.64  | 0.16    | 0.37              | 0.56              | 81-06-27  | +1*       |
| I4901  | 5   | 1.64  | (11.56)            | 0.46  | -0.04   | 0.37              | 1.38:             | 81-06-28  |           |
|        |     | 1.35  | ...                | 0.62  | 0.00:   | 0.50              | 1.08              | 81-08-30  |           |
| I4970  | -3  | 0.80  | (13.90)            | 0.89  | 0.48    | 0.59              | 1.14 <sub>5</sub> | 81-10-01* | see Notes |
| I5052  | 7:  | 1.64  | 11.43              | 0.62  | (-0.01) | 0.38              | 1.01              | 80-10-12  |           |
|        |     | 1.48  | (11.73)            | 0.62  | -0.03   | 0.38              | 0.76              | 81-07-02* | see Notes |
| I5152  | 9   | 1.64  | ...                | 0.24: | 0.05:   | 0.17:             | 0.34:             | 80-10-03  | +1*       |
|        |     | 1.64  | 8.42:              | 0.24  | ...     | 0.17              | 0.32              | 81-08-23  | see Notes |
|        |     | 1.37  | (11.02)            | 0.44  | -0.16:  | (0.30)            | 0.73              | 81-09-28* | see Notes |
| I5201  | 6   | 1.64  | 11.16              | 0.53  | 0.05    | 0.49              | 1.40              | 80-10-09  | +1*       |
|        |     | 1.64  | 11.45              | 0.50  | -0.17   | 0.36              | 1.01              | 81-09-01  | +1*       |

| Name             | T   | log A | V        | B-V               | U-B                | V-R                  | V-I                 | Date      | Notes     |
|------------------|-----|-------|----------|-------------------|--------------------|----------------------|---------------------|-----------|-----------|
| (1)              | (2) | (3)   | (4)      | (5)               | (6)                | (7)                  | (8)                 | (9)       | (10)      |
| IS201<br>(cont.) | 6   | 1.48  | ...      | 0.51 <sub>5</sub> | -0.12              | 0.32                 | 0.79 <sub>5</sub>   | 81-09-30* | see Notes |
|                  |     | 1.35  | 12.12:   | 0.55:             | 0.05:              | 0.44 <sub>5</sub> :  | 1.26:               | 80-10-10  |           |
|                  |     | 1.35  | 12.26    | 0.53              | -0.07 <sub>5</sub> | 0.44                 | 1.13                | 81-09-01  |           |
| IS267            | -2  | 1.53  | 10.72    | 0.91              | 0.35               | 0.55                 | 1.16                | 80-10-05  | -1*       |
|                  |     | 1.35  | 10.92:   | 0.95:             | 0.35:              | ...                  | ...                 | 80-10-01  | see Notes |
| IS269B           | 5   | 1.48  | (12.49)  | 0.79              | 0.13               | 0.43                 | 0.83                | 81-10-01* | +1*       |
| IS332            | 7   | 1.48  | (11.49)  | 0.59              | -0.06              | (0.44 <sub>5</sub> ) | 0.86                | 81-09-29* |           |
| A0137+15         | 9   | 1.53  | 13.47    | 0.63              | 0.21               | 0.39                 | ...                 | 81-09-01  | see Notes |
|                  |     | 1.37  | (14.06:) | (0.69:)           | -0.19:             | (0.02:)              | ...                 | 81-10-04* |           |
| A0142-43         | 9   | 1.64  | (13.13:) | -0.15:            | -0.10:             | -0.06:               | ...                 | 81-08-27  | -1*       |
|                  |     | 1.48  | (12.12)  | 0.65              | -0.4:              | 0.35                 | 0.96 <sub>5</sub>   | 81-09-28* |           |
| A0149-44         | 9   | 1.48  | (13.23)  | 0.61:             | -0.20:             | (0.38:)              | 0.86:               | 81-09-29* | -2*, +2*  |
|                  |     | 1.48  | (13.20)  | 0.62:             | -0.15:             | 0.49:                | 0.95:               | 81-10-01* | -2*, +2*  |
| A0236-61         | 8:  | 1.64  | 12.9:    | 0.52:             | -0.33:             | 0.26:                | ...                 | 80-10-14  |           |
|                  |     | 1.64  | (12.64)  | 0.64              | -0.26              | 0.45                 | 1.11                | 80-12-06  |           |
| A0245+03         | 9:  | 1.64  | 13.48:   | 0.39:             | 0.19:              | -0.17:               | ...                 | 81-09-01  | see Notes |
|                  |     | 1.48  | (13.53:) | 0.77:             | -0.27:             | 0.42:                | 1.21 <sub>5</sub> : | 81-10-01* |           |
| A0246+01         | 9   | 1.48  | (13.51)  | 0.55              | 0.11               | (0.26)               | 0.7:                | 81-09-29* | see Notes |
| A0249-01         | 9   | 1.35  | 13.82    | 0.57              | -0.28:             | 0.39                 | 1.21:               | 81-01-31  | see Notes |

| Name     | T   | log A        | V                     | B-V                         | U-B                           | V-R                       | V-I                          | Date                   | Notes                |
|----------|-----|--------------|-----------------------|-----------------------------|-------------------------------|---------------------------|------------------------------|------------------------|----------------------|
| (1)      | (2) | (3)          | (4)                   | (5)                         | (6)                           | (7)                       | (8)                          | (9)                    | (10)                 |
| A0255-54 | 7   | 1.64<br>1.37 | 12.65<br>(12.95)      | 0.35<br>0.45                | -0.09:<br>-0.13               | 0.25<br>0.28              | 0.89:<br>0.29                | 80-10-15<br>81-10-02*  | -1*                  |
| A0307-41 | 9   | 1.64         | 12.61:                | 0.64:                       | -0.23:                        | 0.34:                     | 0.63:                        | 80-12-07               |                      |
| A0344-35 | 9   | 1.48         | (12.03)               | 0.84:                       | 0.08                          | 0.45                      | 1.13                         | 81-10-05*              |                      |
| A0350-71 | 7   | 1.48<br>1.48 | (12.37)<br>(12.35)    | 0.50 <sub>5</sub><br>(0.43) | -0.21<br>-0.21                | (0.46)<br>(0.39)          | 0.94<br>1.10                 | 81-09-29*<br>81-10-04* |                      |
| A0419-21 | 6   | 1.64<br>1.64 | 12.20<br>12.18        | 0.61<br>0.60                | -0.20<br>-0.13                | 0.47<br>0.36 <sub>5</sub> | 1.8:<br>1.18                 | 80-11-12<br>81-03-02   | -1*, +1*<br>-1*, +1* |
|          |     | 1.37         | (12.60 <sub>5</sub> ) | 0.55:                       | -0.07                         | 0.35                      | 0.77                         | 81-10-05*              | -1*, +1*             |
| A0435-58 | 9   | 1.48         | 13.25                 | 0.67 <sub>5</sub>           | 0.30                          | 0.52                      | 1.14                         | 80-11-10*              | -1*                  |
| A0607-61 | 5   | 1.64         | 9.68:                 | 0.82:                       | 0.37:                         | 0.46:                     | 0.90:                        | 80-10-15               | +2*                  |
| A0739+16 | 9   | 1.17<br>1.17 | 15.07:<br>15.44:      | 0.33:<br>-0.04:             | (-0.43:)<br>-0.33:            | 0.39:<br>0.24:            | ...<br>1.45:                 | 81-01-30<br>81-01-31   | see Notes            |
| A0756-49 | 6   | 1.64<br>1.64 | (11.89)<br>11.32      | 0.62<br>0.58                | -0.46:<br>-0.54               | 0.75:<br>0.67             | 1.51:<br>1.02                | 80-12-05<br>80-12-10   | see Notes            |
|          |     | 1.35<br>1.35 | 12.61<br>12.60        | 0.95 <sub>5</sub><br>0.99:  | -0.13<br>-0.09 <sub>5</sub> : | 0.77<br>0.66 <sub>5</sub> | 1.50<br>1.41 <sub>5</sub>    | 81-02-27<br>81-03-03   |                      |
| A0908-08 | 3   | 1.64<br>1.64 | 11.51:<br>(11.20:)    | 0.85:<br>0.77:              | 0.10:<br>0.54:                | 0.71:<br>0.55:            | 1.34:<br>1.26 <sub>5</sub> : | 80-12-10<br>81-03-04   | -3*<br>-3*           |
| A0931-32 | 6   | 1.64         | 11.83                 | 0.83                        | 0.46                          | 0.42                      | 1.18                         | 81-03-02               | see Notes            |

| Name                | T   | log A | V                  | B-V               | U-B   | V-R                 | V-I    | Date      | Notes     |
|---------------------|-----|-------|--------------------|-------------------|-------|---------------------|--------|-----------|-----------|
| (1)                 | (2) | (3)   | (4)                | (5)               | (6)   | (7)                 | (8)    | (9)       | (10)      |
| A0931-32<br>(cont.) | 6   | 1.53  | (12.41)            | 0.72              | 0.03  | 0.58                | 1.17   | 81-02-27  | see Notes |
| A0957+05            | 9   | 1.64  | 11.82              | 0.52              | -0.15 | 0.29                | (0.48) | 81-03-01  | see Notes |
|                     |     | 1.64  | 11.78              | 0.43 <sub>5</sub> | -0.16 | 0.28                | 0.73   | 81-04-07  | -1*       |
| A1008-04            | 9   | 1.64  | 12.02              | 0.37              | -0.36 | -0.17               | 0.80   | 81-02-01  | see Notes |
|                     |     | 1.64  | 12.19              | 0.22              | -0.32 | -0.04               | 0.34   | 81-03-07  | -1*       |
| A1026-31            | -2  | 1.64  | 11.80:             | 0.88:             | 0.14: | 0.48:               | 0.99:  | 81-05-03  | see Notes |
| A1259-50            | 7   | 1.64  | 13.4:              | ...               | ...   | ...                 | ...    | 81-05-01  | see Notes |
| A1331-45            | 9   | 1.35  | (12.05)            | 1.20              | 0.29  | 0.15                | 0.20   | 81-05-04  | see Notes |
| A1348-33            | 9   | 1.64  | 11.97              | 0.65              | -0.22 | 0.63                | 1.58   | 81-04-07  | see Notes |
| A1409-65            | 3   | 1.17  | (11.16)            | 1.48              | 0.77  | 0.98 <sub>5</sub>   | 1.96   | 81-06-28  | see Notes |
| A1455-47            | 9   | 1.35  | 12.78              | 0.60              | 0.07  | 0.53                | 1.02   | 81-04-08  | see Notes |
| A1510-46            | 6:  | 1.64  | 11.12              | 0.97              | 0.49  | 0.59                | 1.40   | 81-05-01  | see Notes |
| A1611-00            | 6   | 1.64  | (13.2:)            | 1.2:              | ...   | 1.0:                | 1.1:   | 81-04-09  | see Notes |
| A1654-60            | 8   | 1.35  | (11.89)            | 0.84              | 0.20  | 0.57                | 1.11   | 81-05-02  | see Notes |
| A1929-58            | 3:  | 1.64  | 11.94 <sub>5</sub> | 1.21              | 0.86: | 0.61                | 1.4    | 81-05-03  | see Notes |
| A2143-21            |     | 1.64  | 12.57:             | 0.55:             | 0.55: | 0.37 <sub>5</sub> : | 0.98:  | 80-10-04  | see Notes |
|                     |     | 1.53  | 13.32:             | 0.85:             | ...   | 0.59:               | 0.61:  | 81-08-23  | -1*       |
|                     |     | 1.37  | (12.79)            | 0.83              | 0.48  | 0.53                | 0.97   | 81-07-02* |           |

| Name     | T   | log A | V                 | B-V               | U-B    | V-R   | V-I   | Date      | Notes     |
|----------|-----|-------|-------------------|-------------------|--------|-------|-------|-----------|-----------|
| (1)      | (2) | (3)   | (4)               | (5)               | (6)    | (7)   | (8)   | (9)       | (10)      |
| A2253-37 | 7   | 1.64  | 12.9 <sub>5</sub> | 0.7:              | -0.6:  | ...   | 1.7:  | 81-09-04  | see Notes |
|          |     | 1.48  | (14.4:)           | 0.0:              | -0.4:  | -0.3: | 1.0:  | 81-09-29* | see Notes |
| A2326+14 | 9   | 1.48  | (12.73)           | 0.73              | -0.16: | 0.50  | 1.17  | 81-09-28* | see Notes |
| A2335-47 | -2  | 1.53  | 11.79             | 0.94              | 0.44   | 0.55  | 1.24  | 80-10-05  | -1*       |
| A2335-48 | 5   | 1.64  | 12.46:            | 0.74:             | 0.57:  | 0.68: | 1.45: | 80-10-12  |           |
|          |     | 1.64  | 12.37             | 0.95 <sub>5</sub> | 0.09   | 0.62  | 1.47  | 80-10-14  |           |
| A2359-15 | 9   | 1.64  | (11.67)           | 0.40              | -0.23  | 0.28  | 0.58  | 81-08-27  | see Notes |

# Notes to Table

Field-star co-ordinates are with respect to the galaxy nucleus or, where no nucleus is visible, with respect to the approximate centre of symmetry (on PSS (O) prints or ESO (B) or SRC (J) plates or films). For stars photometered on  $n \geq 2$  nights, the quoted figures are mean values. Abbreviations as in RC2, Table 15, with, additionally, ap(s) = aperture(s), compens. = compensated, exclu. = excluded, inclu. = included, intermed. = intermediate, meas. = measurements, \*\* = stars, subtr. = subtracted; source HC = H. Corwin, Jr.

N0024 : \* 2'2 nf subtr. (V= 12.76, B-V= 0.91, U-B= 0.73, V-R= 0.52, V-I= 1.04).

N0045 : \* 1'5 s subtr. (V= 9.94 [n=1], B-V= 1.15, U-B= 1.15, V-R= 0.60, V-I= 1.12; n=2). =DDO 223.

N0134 : \* 0'6 np (V= 13.06, B-V= 0.99, U-B= 0.79, V-R= 0.53, V-I= 1.07) subtr. from both aps, and \* 1'7 sf (V= 13.35, B-V= 0.60, U-B= -0.03, V-R= 0.35, V-I= 0.67; n=2) subtr. from larger ap.

N0150 : \* 1'3 p inclu.

N0157 : \* 1'3 nf and \* 1'4 nf inclu. in ap, one nf \* (identif. uncertain) measured and subtr. (V= (13.60), B-V= 0.71, U-B= -0.02, V-R= 0.33, V-I= 0.72), other \* not measured.

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N0210 : * 1'3 p subtr. (V= 12.62, B-V= 0.51, U-B= -0.03, V-R= 0.33, V-I= 0.66).
N0289 : * 1'2 np (V= (13.70), B-V= 0.52, U-B= 0.01, V-R= 0.33, V-I= 0.67) subtr. from both aps.
N0300 : * 1'2 nf (V= 11.52g, B-V= 0.93, U-B= 0.61g, V-R= 0.54, V-I= 1.02; n=2) subtr. from both aps.
N0337A : * 1'3 sf (V= 12.74, B-V= 0.67, U-B= 0.06g, V-R= 0.40, V-I= 0.86) subtr. from larger ap.
N0613 : largest ap. offset to exclude B* 2'3 nf.
N0625 : double * 1'4 n (V= 13.68, B-V= 0.58, U-B= 0.07, V-R= 0.32, V-I= 0.63) subtr. from larger ap.;
      * 1'9 sf inclu. in larger ap.
N0628 : F* near N subtr. (V= 14.85, B-V= 0.49, U-B= -0.20, V-R= 0.12, V-I= -0.03; * meas. by HC).
N0908 : F* 2'0 f inclu.
N0988 : B* 0'8 np subtr. (V= 7.19; B-V= 0.01, U-B= 0.01, V-R= -0.02, V-I= -0.00g).
N1024 : * 0'7 nf subtr. (V= (12.25), B-V= (0.66), U-B= 0.08g, V-R= (0.37), V-I= 0.75).
N1042 : * 1'6 sf subtr. (V= 13.64, B-V= 0.70, U-B= 0.21, V-R= 0.39, V-I= 0.79; * meas. by HC).
N1055 : * 1'1 np subtr. (V= 11.31, B-V= 1.10, U-B= 1.00, V-R= 0.56, V-I= 1.08).
N1068 : * 1'4 sf inclu. (B-V= 0.64; U-B= 0.54; V-R= 0.40; V-I= 0.68;).
N1179 : * 1'2 sf subtr. (V= 13.76, B-V= 0.82, U-B= 0.35, V-R= 0.42, V-I= 0.93; n=2).
N1253 : * 0'9 p subtr. (V= 12.69, B-V= 0.67, U-B= 0.12, V-R= 0.46, V-I= 0.81g; * meas. by HC).
N1291 : * 1'7 n (V= 12.27, B-V= 0.53, U-B= -0.04g, V-R= 0.29, V-I= 0.62; n=2) subtr. from larger ap.
N1313 : * 1'8 n subtr. (V= 13.44, B-V= 1.05, U-B= 0.68, V-R= 0.52, V-I= 1.17).
N1365 : * 1'3 np subtr. (V= 13.56, B-V= 0.77, U-B= 0.11g, V-R= 0.45, V-I= 0.93).
N1371 : =N1367.
N1380 : F* 0'8 sp subtr. (V= 14.21, B-V= 0.55, U-B= -0.10g, V-R= 0.33, V-I= 0.85).
N1399 : F* 0'3 n inclu.
N1425 : * 1'4 nf subtr. (V= 14.08, B-V= 0.56, U-B= 0.07, V-R= 0.33, V-I= 0.49); * 1'9 nf and F* 2'1 sp
      inclu.
N1448 : * 1'4 sf subtr. (V= 12.75, B-V= 0.64, U-B= 0.10, V-R= 0.36, V-I= 0.75). =N1457.
N1487 : * 1'2 nf (V= 12.81, B-V= 0.90, U-B= 0.64, V-R= 0.49, V-I= 0.96) and * 1'4 np (V= 12.83, B-V= 0.70,
      U-B= 0.28, V-R= 0.43, V-I= 0.83) subtr.

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N1512 : \* 1'0 n subtr. (V= 14.49, B-V= 1.20<sub>g</sub>, U-B= 1.16, V-R= 0.72<sub>g</sub>, V-I= 1.37); \* 1'7 n inclu.  
 N1531 : 1'7 np N1532.  
 N1532 : 81-03-04 meas. of N1531 subtr. from all meas. of N1532. 81-03-04 meas. of N1532 also corr. for SN  
 1981 (JD= 2444667.96 :- V= (13.92), B-V= 0.61, U-B= 0.08, V-R= 0.21, V-I= 0.57). [Additional meas. of  
 SN 1981 : JD= 2444666.95 :- V= 13.96<sub>g</sub>, B-V= 0.48, U-B= 0.12, V-R= 0.27, V-I= 0.61; JD= 2444669.94 :-  
 V= 13.96, B-V= 0.88, U-B= 0.54, V-R= 0.22, V-I= 0.31].  
 N1549 : \* 1'8 p (V= 11.95, B-V= 0.81, U-B= 0.47, V-R= 0.45, V-I= 0.95) subtr. from larger ap.  
 N1553 : \* 1'6 sf (V= 12.70, B-V= 0.66, U-B= 0.16, V-R= 0.41, V-I= 0.78) and \* 1'7 p (V= 12.12, B-V= 0.48,  
 U-B= 0.00, V-R= 0.27, V-I= 0.57) subtr. from larger ap.; F\* 1'0 n inclu. in both aps. 81-10-02  
 meas. ended by clouds.  
 N1566 : \* 1'8 n (V= 13.64, B-V= 0.79<sub>g</sub>, U-B= -0.17, V-R= 0.23, V-I= 0.76) and \* 2'0 f (V= 11.84, B-V= 0.57,  
 U-B= 0.06, V-R= 0.33, V-I= 0.55) subtr. from larger ap.  
 N1617 : meas. inclu. scattered light from VB\* =HD29305 34' sf?  
 N1672 : \* 1'5 nf (V= 12.85, B-V= 0.58, U-B= 0.06, V-R= 0.32, V-I= 0.62; n=2) and \* 2'1 nf (V= 12.42, B-V=  
 0.83, U-B= 0.38, V-R= 0.46, V-I= 0.92) subtr. from largest ap.; \* 1'5 nf subtr. from intermed. ap.  
 N1744 : F\* 0'3 p and F\* 1'5 n inclu.  
 N1808 : \* 1'2 f subtr. (V= 14.04, B-V= 0.90, U-B= 0.46, V-R= 0.58, V-I= 0.99; n=2).  
 N1964 : \* 1'7 np (V= 10.23<sub>g</sub>, B-V= 0.17, U-B= 0.09, V-R= 0.09, V-I= 0.18) subtr. from larger ap.; smaller ap.  
 offset to exclude this \*. 4 F\*\* inclu. in both aps.  
 N2090 : \* 0'6 p (V= 13.66, B-V= 1.09, U-B= 0.46, V-R= 0.58, V-I= 1.24; n=2) and \* 1'3 n (V= 14.10, B-V= 0.66,  
 U-B= 0.31, V-R= 0.36, V-I= 0.80) subtr. from larger ap. which includes unmeas. \* 1'1 sf and \* 2'0 n;  
 \* 0'6 p subtr. from smaller ap.  
 N2280 : \* 1'0 nf (V= 13.14, B-V= 0.53, U-B= -0.03<sub>g</sub>, V-R= 0.33, V-I= 0.72; n=2) subtr. from smaller ap.;  
 \* 1'0 nf, \* 1'2 np (V= 12.87, B-V= 1.20, U-B= 1.32, V-R= 0.65, V-I= 1.23) and \* 1'8 sf (V= 11.93, B-V=  
 0.12, U-B= 0.11, V-R= 0.07, V-I= 0.14) subtr. from larger ap. \* 2'2 s (V= 12.00, B-V= 0.91<sub>g</sub>, U-B= 0.55,  
 V-R= 0.49, V-I= 0.94) exclu.  
 N2427 : centring uncertain, \* 1'9 p prob. inclu., compens. in sky fields; \* 0'8 f subtr. (V= 13.73, B-V=

1.15, U-B= 1.6, V-R= 0.69, V-I= 1.39).

N2442 : =N2443.

N2613 : \* 1'3 sp (V= 13.00, B-V= 1.20<sub>g</sub>, U-B= 0.90, V-R= 0.70, V-I= 1.30), \* 1'4 s (V= 13.02, B-V= 1.06, U-B= 0.61, V-R= 0.59, V-I= 1.08), \* 1'4 n (V= 12.05, B-V= -0.08, U-B= -0.46, V-R= 0.00, V-I= -0.02; n=2) and \* 2'0 s (V= 12.74<sub>g</sub>, B-V= 0.49, U-B= 0.09, V-R= 0.24, V-I= 0.51) subtr. from larger ap.

N2835 : \* 1'4 f (V= 11.90, B-V= 1.12, U-B= 0.90, V-R= 0.59, V-I= (1.16<sub>g</sub>)) subtr. from larger ap.

N2911 : \* 1'7 f inclu. in larger ap.

N3109 : centred 0'5 nff of \*. =DDO 236.

N3115 : \* 1'2 s subtr. (V= 13.88, B-V= 0.65, U-B= 0.14, V-R= 0.40, V-I= 0.71; \* meas. by HC).

N3137 : \* 0'3 p subtr. (V= 13.21, B-V= 0.41, U-B= -0.04, V-R= 0.26, V-I= 0.58).

N3169 : \* 1'5 f subtr. (V= 11.24, B-V= 0.54, U-B= 0.09, V-R= 0.34, V-I= 0.60).

N3200 : \* 1'9 p subtr. (V= (12.12), B-V= 0.67, U-B= 0.28, V-R= 0.41, V-I= 0.82); sev. unmeas. F\*\* inclu.

N3239 : B\* 0'4 s (V= 9.89, B-V= 0.55, U-B= 0.01, V-R= 0.29, V-I= 0.64) subtr.; ap. offset to exclude \* 2'0 np.

N3263 : many \*\* inclu, compens. in sky fields.

N3268 : bright V, small B-V, U-B conflict with results of other observers. Part of N3267 2'4 p inclu., \* 2'2 sp prob. inclu.

N3511 : \* 1'7 f (V= 12.95, B-V= 0.49, U-B= 0.02<sub>g</sub>, V-R= 0.36, V-I= 0.69) and \* 2'1 sp (V= 14.09, B-V= 0.55, U-B= 0.27, V-R= 0.45, V-I= 0.86) subtr.

N3593 : sev. F\*\* inclu.

N3717 : \* 0'5 nf subtr. (V= 12.52, B-V= 1.25, U-B= 1.12, V-R= 0.66, V-I= 1.28).

N4038 : N4039 inclu. in ap.; \* 1'4 np subtr. (V= 14.19, B-V= 0.49, U-B= 0.00, V-R= 0.41, V-I= 0.72; \* meas. by HC).

N4124 : =I3011.

N4178 : =I3042.

N4192 : F\* 1'7 f inclu.

N4216 : F\* 0'6 f subtr. (V= 14.88, B-V= 0.60, U-B= 0.53, V-R= 0.33, V-I= 0.73; \* meas. by HC).

N4293 : \* 1'3 sp (V= 14.89, B-V= 0.79, U-B= 0.21, V-R= 0.32<sub>5</sub>, V-I= 0.69) and \* 2'0 n (V= 13.84, B-V= 0.70, U-B= -0.01, V-R= 0.31, V-I= 0.73) subtr. (\*\* meas. by HC).  
 N4303 : F\* 1'2 p inclu.  
 N4388 : \* 1'3 nf inclu.  
 N4472 : \* 0'8 f subtr. (V= 12.43, B-V= 0.93, U-B= 0.51, V-R= 0.45, V-I= 0.91).  
 N4526 : \* 1'4 s inclu. (B-V= 1.11, U-B= 0.78, V-R= 0.55, V-I= 0.97).  
 N4527 : F\* 1'9 sf and F\* 2'0 sp inclu.  
 N4536 : SN 1981 subtr. (JD= 2444701.09 :- V= 13.39, B-V= 1.35, U-B= 0.08, V-R= 0.51, V-I= 0.63).  
 N4594 : F\* 1'4 n subtr. (V= 13.60, B-V= 0.69, U-B= 0.12, V-R= 0.36, V-I= 0.76).  
 N4697 : \* 1'4 np subtr. (V= 12.81, B-V= 0.61, U-B= 0.14, V-R= 0.36, V-I= 0.67); sev. F\*\* inclu.  
 N4731 : \* 0'5 sp subtr. (V= (14.10), B-V= 1.08, U-B= 0.77, V-R= 0.64, V-I= 1.22); \* 0'9 nf and \* 1'7 nf inclu.  
 N4753 : faint V, small U-B conflict with published results of other observers.  
 N4845 : \* 0'4 f subtr. (V= 15.29, B-V= 1.11, U-B= 0.38, V-R= 0.45, V-I= 1.30; \* meas. by HC).  
 N4866 : \* 0'8 p subtr. (V= (13.54), B-V= 0.58, U-B= 0.16<sub>5</sub>, V-R= 0.42, V-I= 0.79).  
 N4930 : sev. \*\* inclu, compens. in sky fields.  
 N5054 : \* 1'3 nf (V= 13.44<sub>5</sub>, B-V= 0.99, U-B= 0.03, V-R= 0.58, V-I= 1.18) and \* 2'2 np (V= 14.3, B-V= 0.6, U-B= 0.0, V-R= 0.1<sub>5</sub>, V-I= 0.9) subtr.; F\* 1'7 n and \* 1'9 f inclu.  
 N5061 : \* 0'7 nf inclu.  
 N5068 : \* 1'7 n subtr. (V= 13.52, B-V= 0.65, V-R= 0.46, V-I= 0.67).  
 N5084 : \* 2'2 nf subtr. (V= 12.96, B-V= 0.72, U-B= 0.01, V-R= 0.34, V-I= 0.72); F\*\* 1'5 n and 1'7 sf inclu.  
 N5364 : \* 1'6 n (V= 14.18, B-V= 0.54, U-B= 0.18, V-R= 0.39<sub>5</sub>, V-I= -0.18) and \* 1'6 np (V= 14.33, B-V= 0.91, U-B= -0.31, V-R= 0.64<sub>5</sub>, V-I= 1.02) subtr. (\*\* meas. by HC).  
 N5530 : \* 0'1 nf subtr. (V= (12.08), B-V= 1.11:, U-B= 0.63:, V-R= 0.63:, V-I= 1.23:); many F\*\* inclu., compens. in sky fields.  
 N5643 : \* 2'1 n subtr. (V= (13.00), B-V= 1.29, U-B= 0.60, V-R= 0.70, V-I= 1.40); many other \*\* inclu., partly compens. in sky fields.

N5688 : many F\*\* inclu., compens. in sky fields.  
 N5701 : \* 1'3 nf (V= 14.74, B-V= 0.74, U-B= 0.65, V-R= 0.14, V-I= 0.52) and \* 2'0 sp (V= 14.54, B-V= 1.05, U-B= -0.56, V-R= 0.22, V-I= 1.11) subtr. (\*\* meas. by HC); F\* 0'8 n inclu.  
 N5792 : B\* 1'0 np subtr. (V= 9.60<sub>5</sub>, B-V= 1.59, U-B= 1.85, V-R= 0.96, V-I= 2.15).  
 N5921 : \* 1'1 sp (V= 12.04, B-V= 1.22, U-B= 0.97, V-R= 0.61, V-I= 1.29) and \* 2'0 p (V= 14.07, B-V= 0.5<sub>5</sub>, U-B= 0.0, V-R= 0.4, V-I= 0.8) subtr. from larger ap.; smaller ap. offset to exclude \* 1'1 sp.  
 N6118 : \* 1'5 f (V= 14.72, B-V= 1.13, U-B= 0.65, V-R= 0.38, V-I= 0.75) and \* 1'6 s (V= 14.62, B-V= 0.74, U-B= 0.58, V-R= 0.46<sub>5</sub>, V-I= 0.78) subtr. (\*\* meas. by HC); sev. F\*\* inclu., compens. in sky fields.  
 N6221 : \* 1'3 nf subtr. (V= 13.43, B-V= 0.65, U-B= 0.01, V-R= 0.08, V-I= 0.51); many other \* inclu., compens. in sky fields.  
 N6300 : many \* inclu., partly compens. in sky fields.  
 N6384 : \* 1'3 sf (V= (13.27), B-V= 0.97, U-B= -0.14, V-R= 0.52, V-I= 0.88) and \* 1'7 nf (V= (12.62), B-V= 1.18, U-B= 0.87<sub>5</sub>, V-R= 0.59, V-I= 1.11) subtr. from larger ap.; many F\*\* inclu. in larger ap., compens. in sky fields.  
 N6744 : many F\*\* inclu., partly compens. in sky fields.  
 N6822 : =I4895 =DDO 209.  
 N6872 : 81-06-27 meas. include I4970 1'0 n and B\* 1'0 p (V= (10.31), B-V= 1.20, U-B= 1.17, V-R= 0.68, V-I= 1.28; n=2); 81-06-07 and 81-08-01 meas. corr. for B\* 1'0 p and for 81-10-01 meas. of I4970 (W F\* 0'1 f I4970).  
 N6887 : \* 1'1 sf inclu.  
 N6902 : sev. F\*\* inclu. in larger ap., compens. in sky fields; F\* 0'7 p inclu. in smaller ap.  
 N6925 : sev. F\*\* inclu., compens. in sky fields.  
 N6943 : F\*\* 0'9 n, 1'5 n, and 1'7 p inclu.  
 N7064 : B\* 1'3 s subtr. (V= 10.19, B-V= 0.89, U-B= 0.53, V-R= 0.45, V-I= 0.90); sev. F\*\* inclu., compens. in sky fields.  
 N7083 : F\* 1'7 s inclu. in larger ap.

N7090 : \* 1'6 p (V= 12.59, B-V= 0.58<sub>5</sub>, U-B= 0.06, V-R= 0.34, V-I= 0.69) subtr. from larger ap.; F\* 0'8 sf  
 inclu. in both aps.  
 N7141 : F\* 0'7 p inclu. (B-V= 0.93, U-B= 0.66, V-R= 0.45, V-I= 0.96). Remainder of 81-08-30 cloudy.  
 N7307 : \* 1'9 sp subtr. (V= (13.79), B-V= 0.51, U-B= -0.02, V-R= 0.49, V-I= 0.70); F\* 1'4 f and F\* 2'1 s  
 inclu.  
 N7314 : \* 2'0 p subtr. (V= 12.20, B-V= 0.53, U-B= -0.04).  
 N7329 : F\* 0'8 np inclu.  
 N7410 : \* 1'7 n inclu.  
 N7412 : \* 1'8 p, \* 2'0 sf and \* 2'1 sf inclu.  
 N7456 : 1'2 sp (V= 14.47, B-V= 0.65, U-B= 0.01, V-R= 0.34, V-I= 0.72; n=2) subtr. from larger ap.  
 N7462 : B\* 1'2 p inclu. (B-V= 1.07, U-B= 0.96, V-R= 0.55, V-I= 1.01).  
 N7479 : \* 0'9 sp inclu. (B-V= 1.01, U-B= 0.44, V-R= 0.42, V-I= 0.94).  
 N7606 : \* 2'7 s exclu. (V= 12.15, B-V= 0.56, U-B= 0.10, V-R= 0.31, V-I= 0.67).  
 N7713 : \* 1'8 p subtr. (V= 11.39, B-V= 0.44, U-B= -0.08<sub>5</sub>, V-R= 0.28, V-I= 0.45<sub>5</sub>).  
 N7793 : \* 2'8 n exclu. (V= 12.26, B-V= 0.49, U-B= -0.02, V-R= 0.29, V-I= 0.62).  
 I0983 : B\* 1'6 sf subtr. (V= 9.00<sub>5</sub>, B-V= 0.55, U-B= 0.11, V-R= 0.32, V-I= 0.60, meas. using 44-arcsec ap.  
 prob. including F\* 0'3 sp B\*); F\* 1'5 sp inclu.  
 I1613 : =DDO 8.  
 I4351 : \* 0'8 sf subtr. (V= (13.15), B-V= 0.92, U-B= 0.55, V-R= 0.53, V-I= 1.00); \* 1'0 sp inclu.  
 I4402 : \* 0'8 nf subtr. (V= (13.91), B-V= 0.60, U-B= -0.05, V-R= 0.29, V-I= 0.66); many other \*\* inclu.,  
 compens. in sky fields.  
 I4710 : ap. offset to exclude 2 \*\* 1'7 s; sev. F\*\* inclu., compens. in sky fields.  
 I4721 : \* 1'7 nf subtr. (V= 13.52<sub>5</sub>, B-V= 0.51<sub>5</sub>, U-B= -0.10, V-R= 0.29, V-I= 0.69); sev. F\*\* inclu.,  
 compens. in sky fields.  
 I4810 : \* 1'1 n subtr. (V= 13.11, B-V= 1.14, U-B= 0.88); many other \*\* inclu., compens. in sky fields.  
 I4837A : \* 0'2 s inclu. (B-V= 0.52, U-B= 0.03, V-R= 0.15, V-I= 0.53).

I4901 : \* 2'2 f (V= (11.74), B-V= 0.68, U-B= 0.17, V-R= 0.36, V-I= 0.76) subtr. from larger ap.; sev. F\*\*  
 inclu., compens. in sky fields.  
 I4970 : \* 0'1 f inclu.. N6872 1'0 s.  
 I5052 : 81-07-02 meas. interrupted by clouds.  
 I5152 : B\* 1'1 np =HD209142 (B-V= 0.26; U-B= 0.11; V-R= 0.13; V-I= 0.30;) inclu. in larger ap.; smaller  
 ap. offset to exclude B\*. 81-08-23 meas. ended by clouds.  
 I5201 : F\* 1'4 n (B-V= 0.85, U-B= 0.64, V-R= 0.65, V-I= 1.33) inclu. in largest ap. and prob. inclu. in  
 intermed. ap.  
 I5267 : \* 1'7 f (V= 14.50, B-V= 1.47, U-B= 1.73, V-R= 0.82, V-I= 1.64) subtr. from larger ap.. 80-10-01  
 meas. ended by clouds.  
 I5269B : F\* 0'7 sp inclu.  
 A0137+15 : larger ap. offset to exclude \* 1'4 sp. =DDO 13.  
 A0142-43 : \* 1'5 p (V= (11.51), B-V= 0.65, U-B= 0.06, V-R= 0.39, V-I= 0.74; n=3) subtr. from larger ap.  
 A0149-44 : \* 1'2 p (V= (14.8;), B-V= 0.95, U-B= 0.15, V-R= 0.22, V-I= 0.91) and \* 1'3 n (V= (15.5), B-V=  
 0.50, U-B= 0.49, V-R= (0.54), V-I= 1.06) subtr.; \* 1'1 sp and \* 1'4 p inclu.  
 A0245+03 : =DDO 28.  
 A0246+01 : =DDO 29.  
 A0249-01 : =DDO 30.  
 A0255-54 : \* 2'2 sp (V= 13.60, B-V= 0.66, U-B= 0.17, V-R= 0.33, V-I= 0.73<sub>5</sub>) subtr. from larger ap.  
 A0419-21 : \* 0'7 p (V= 13.28, B-V= 0.53, U-B= -0.02, V-R= 0.32, V-I= 0.61) subtr. from both aps; F\* 0'9 sf  
 inclu. in both aps.  
 A0435-58 : \* 0'4 f subtr. (V= 13.45, B-V= 0.69, U-B= -0.01, V-R= 0.31, V-I= 0.64).  
 A0607-61 : \* 0'1 f and B\* 1'3 p inclu.  
 A0739+16 : =DDO 47.  
 A0756-49 : 80-12-10 meas. may include scattered light from HD66005 and HD66006 12' sf.  
 A0908-08 : B\* 0'5 p (V= 9.05, B-V= 0.21, U-B= 0.10, V-R= 0.12, V-I= 0.23; n=3), \* 0'8 nf (V= (13.6), B-V=

0.8, U-B= 0.1, V-R= 0.4, V-I= 0.7), and \* 1'1 p (V= (13.5), B-V= 1.1, U-B= 0.9, V-R= 0.6, V-I= 1.1) subtr.

A0931-32 : \* 1'2 s (V= 13.28<sub>5</sub>, B-V= 0.55<sub>5</sub>, U-B= 0.04, V-R= 0.34, V-I= 0.66) subtr. from both aps; many other \*\* inclu. in larger ap., compens. in sky fields; sev. other \*\* inclu. in smaller ap., compens. in sky fields.

A0957+05 : \* 0'9 n subtr. (V= 14.63, B-V= 0.61, U-B= 0.01, V-R= 0.42, V-I= 0.80; n=2). =Sextans B =DDO 70.

A1008-04 : B\* 1'1 nf subtr. (V= 11.45, B-V= 1.34, U-B= 1.31, V-R= 0.74, V-I= 1.40; n=2). =Sextans A =DDO 75.

A1026-31 : B\* 2'2 p subtr. (V= 10.35, B-V= 1.08, U-B= 1.02, V-R= 0.57, V-I= 1.09); sev. F\*\* inclu., compens. in sky fields.

A1259-50 : many \*\* inclu., compens. in sky fields.

A1331-45 : B\* 0'1 p subtr. (V= (11.16), B-V= 0.67, U-B= 0.17, V-R= 0.41, V-I= 0.79); UBV meas. of \* by HC agree, UBV of \* by Fourcade (1981) are discrepant. Ap. offset to sf to exclude B\*\* 1'0 np and 1'2 sp. =Fourcade-Figueroa Galaxy.

A1348-33 : many \*\* inclu., compens. in sky fields.

A1409-65 : sev. \*\* inclu., compens. in sky fields.

A1455-47 : many \*\* inclu., compens. in sky fields.

A1510-46 : B central \* subtr. (V= 13.11, B-V= 0.78, U-B= 0.08, V-R= 0.46, V-I= 0.97); many other \*\* inclu., compens. in sky fields.

A1611-00 : sev. \*\* inclu., compens. in sky fields.

A1654-60 : many F\*\* inclu., compens. in sky fields.

A1929-58 : sev. \*\* inclu., compens. in sky fields.

A2143-21 : B\* 1'4 s (V= 11.19, B-V= 0.78, U-B= 0.40, V-R= 0.42, V-I= 0.82; n=3) subtr. from largest and intermed. aps; B\* 1'9 s (V= 12.35, B-V= 0.56, U-B= 0.05, V-R= 0.35, V-I= 0.54) and B\* 2'1 sf (V= 11.63, B-V= 0.90, U-B= 0.60, V-R= 0.49, V-I= 0.95) subtr. from largest ap.. A Galactic globular \* cluster, in Capricorn.

A2253-37 : \* 1'0 s (V= (15.43), B-V= 0.92, U-B= 0.31, V-R= (0.43), V-I= 0.90) and \* pair 1'5 sp (V= 14.41,

B-V= 0.81, U-B= 0.51, V-R= 0.43, V-I= 0.89; n=2) subtr. from both aps. =N7418A.  
 A2326+14 : 3 F\*\* inclu.. =Pegasus dwarf =DDO 216.  
 A2335-47 : \* 1'1 n subtr. (V= 14.64, B-V= 0.52, U-B= 0.03, V-R= 0.34, V-I= 0.77).  
 A2359-15 : \* 2'2 p (n of 2 \*) subtr. (V= (14.5), B-V= 1.0, U-B= -0.1, V-R= 0.3, V-I= 1.0); F central \*  
 and \* 2'0 p inclu.. =WLM nebula =DDO 221.