

# LYNDS DARK NEBULAE CATALOGUE

## LYNDS' DARK NEBULA CATALOGUE



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| LDN | Barnard   | RA (2000) | Dec(2000) | Gal Long | Gal Lat | Area  | Opacity 1-6 |
|-----|-----------|-----------|-----------|----------|---------|-------|-------------|
| 1   |           | 16:28.9   | -16:07    | 0.18     | 21.82   | 0.054 | 3           |
| 2   |           | 18:07.2   | -31:30    | 0.13     | -5.32   | 1.24  | 2           |
| 3   |           | 18:03.2   | -31:00    | 0.15     | -4.33   | 5.6   | 2           |
| 4   |           | 17:02.5   | -22:12    | 0.18     | 11.82   | 0.004 | 5           |
| 5   |           | 17:16.3   | -24:25    | 0.2      | 7.96    | 0.012 | 4           |
| 6   |           | 17:09.0   | -23:14    | 0.23     | 9.99    | 0.052 | 3           |
| 7   |           | 17:28.6   | -26:17    | 0.22     | 4.6     | 0.036 | 6           |
| 8   |           | 16:46.4   | -19:15    | 0.3      | 16.59   | 0.084 | 4           |
| 9   |           | 17:10.0   | -23:14    | 0.36     | 9.81    | 0.07  | 3           |
| 10  |           | 17:57.8   | -30:06    | 0.35     | -2.88   | 0.003 | 4           |
| 11  | 57        | 17:08.1   | -22:54    | 0.38     | 10.36   | 0.012 | 6           |
| 12  |           | 17:58.2   | -30:07    | 0.38     | -2.96   | 0.003 | 4           |
| 13  |           | 17:04.0   | -22:10    | 0.42     | 11.55   | 0.012 | 3           |
| 14  | 260       | 17:25.1   | -25:33    | 0.4      | 5.67    | 0.02  | 4           |
| 15  | 51        | 17:04.4   | -22:10    | 0.47     | 11.48   | 0.043 | 6           |
| 16  |           | 17:16.1   | -24:03    | 0.48     | 8.2     | 0.12  | 3           |
| 17  | 246; ; 60 | 17:08.0   | -22:44    | 0.5      | 10.47   | 0.404 | 3           |
| 18  |           | 17:09.0   | -22:54    | 0.5      | 10.19   | 0.01  | 4           |
| 19  | 265; 264  | 17:29.1   | -26:02    | 0.49     | 4.64    | 0.642 | 4           |
| 20  |           | 17:08.5   | -22:44    | 0.57     | 10.38   | 0.047 | 4           |
| 21  |           | 17:29.1   | -25:56    | 0.57     | 4.7     | 0.023 | 5           |
| 22  |           | 16:46.9   | -18:55    | 0.65     | 16.7    | 0.28  | 3           |
| 23  |           | 17:17.2   | -23:58    | 0.71     | 8.03    | 0.002 | 5           |
| 24  |           | 17:17.5   | -24:01    | 0.7      | 7.94    | 0.004 | 5           |
| 25  |           | 17:32.5   | -26:11    | 0.78     | 3.92    | 0.007 | 6           |
| 26  |           | 18:05.2   | -30:30    | 0.79     | -4.46   | 0.034 | 3           |
| 27  |           | 16:27.8   | -15:07    | 0.85     | 22.64   | 3.46  | 1           |
| 28  |           | 17:19.1   | -24:03    | 0.87     | 7.64    | 2.22  | 2           |
| 29  |           | 18:06.8   | -30:38    | 0.85     | -4.83   | 0.03  | 3           |
| 30  |           | 17:13.0   | -23:04    | 0.91     | 9.34    | 0.215 | 1           |
| 31  |           | 16:49.9   | -19:05    | 0.96     | 16.04   | 0.022 | 6           |
| 32  |           | 17:11.0   | -22:39    | 0.98     | 9.96    | 0.111 | 4           |
| 33  |           | 16:41.4   | -17:26    | 1.05     | 18.65   | 0.312 | 2           |
| 34  |           | 17:48.2   | -28:01    | 1.08     | 0       | 25    | 3           |
| 35  | 289       | 17:56.5   | -29:04    | 1.1      | -2.11   | 0.02  | 4           |
| 36  | 267       | 17:28.7   | -25:12    | 1.13     | 5.18    | 0.004 | 5           |
| 37  |           | 17:20.0   | -23:53    | 1.14     | 7.55    | 0.014 | 3           |
| 38  |           | 17:11.3   | -22:29    | 1.16     | 10      | 0.008 | 5           |
| 39  | 317       | 17:11.6   | -22:30    | 1.19     | 9.93    | 0.017 | 5           |
| 40  |           | 17:57.2   | -29:04    | 1.17     | -2.24   | 0.029 | 4           |
| 41  |           | 18:05.2   | -30:00    | 1.23     | -4.22   | 0.009 | 3           |
| 42  | 78        | 17:33.1   | -25:42    | 1.26     | 4.08    | 1.45  | 4           |
| 43  |           | 16:34.5   | -15:50    | 1.31     | 20.94   | 0.07  | 6           |
| 44  |           | 17:20.0   | -23:43    | 1.28     | 7.64    | 0.036 | 1           |
| 45  |           | 17:31.1   | -25:22    | 1.29     | 4.64    | 0.348 | 4           |
| 46  |           | 17:13.0   | -22:34    | 1.32     | 9.63    | 0.348 | 3           |
| 47  |           | 16:49.9   | -18:35    | 1.37     | 16.34   | 0.28  | 3           |
| 48  |           | 17:58.2   | -29:00    | 1.34     | -2.4    | 6.14  | 1           |
| 49  |           | 18:02.2   | -29:30    | 1.35     | -3.4    | 1.04  | 3           |
| 50  | 76; ; 73  | 17:25.1   | -24:23    | 1.37     | 6.32    | 0.018 | 4           |
| 51  |           | 17:12.6   | -22:21    | 1.45     | 9.83    | 0.034 | 4           |
| 52  |           | 17:32.2   | -25:21    | 1.44     | 4.44    | 0.006 | 6           |
| 53  | 71        | 17:23.1   | -23:55    | 1.52     | 6.94    | 0.001 | 6           |
| 54  | 70        | 17:23.5   | -23:58    | 1.53     | 6.84    | 0.002 | 4           |
| 55  | 69        | 17:23.0   | -23:53    | 1.53     | 6.98    | 0.003 | 6           |
| 56  |           | 17:15.0   | -22:33    | 1.59     | 9.25    | 0.462 | 3           |
| 57  | 68        | 17:22.6   | -23:44    | 1.61     | 7.14    | 0.003 | 6           |
| 58  |           | 17:30.5   | -24:55    | 1.6      | 5       | 0.004 | 5           |
| 59  | 255       | 17:20.6   | -23:23    | 1.64     | 7.72    | 0.007 | 3           |
| 60  |           | 17:12.0   | -21:59    | 1.67     | 10.16   | 0.035 | 4           |
| 61  |           | 17:31.4   | -24:55    | 1.71     | 4.83    | 0.008 | 5           |
| 62  |           | 16:49.9   | -18:05    | 1.79     | 16.64   | 1.74  | 1           |
| 63  |           | 16:49.9   | -18:05    | 1.79     | 16.64   | 0.037 | 6           |
| 64  |           | 17:40.1   | -26:02    | 1.83     | 2.57    | 0.995 | 4           |
| 65  |           | 17:13.0   | -21:54    | 1.88     | 10.01   | 0.088 | 6           |
| 66  | 72        | 17:24.0   | -23:33    | 1.94     | 6.98    | 0.009 | 6           |
| 67  |           | 17:14.0   | -21:53    | 2.01     | 9.82    | 0.088 | 5           |

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|-----|----------|-----------|-----------|----------|---------|-------|-------------|
| 68  |          | 18:07.1   | -29:22    | 1.99     | -4.27   | 0.006 | 3           |
| 69  | 77; 269  | 17:28.1   | -24:02    | 2.03     | 5.94    | 2.19  | 3           |
| 70  |          | 17:25.0   | -23:33    | 2.07     | 6.79    | 0.01  | 4           |
| 71  |          | 17:14.0   | -21:43    | 2.15     | 9.92    | 0.142 | 4           |
| 72  |          | 17:20.0   | -22:33    | 2.25     | 8.3     | 0.308 | 2           |
| 73  |          | 17:31.1   | -24:12    | 2.27     | 5.28    | 0.278 | 2           |
| 74  |          | 17:38.1   | -25:12    | 2.3      | 3.4     | 0.038 | 6           |
| 75  |          | 18:08.2   | -29:10    | 2.28     | -4.38   | 0.068 | 1           |
| 76  |          | 17:37.1   | -25:02    | 2.31     | 3.68    | 0.531 | 3           |
| 77  |          | 17:19.0   | -22:15    | 2.37     | 8.66    | 0.005 | 2           |
| 78  | 294      | 18:01.2   | -28:11    | 2.38     | -2.56   | 0.001 | 3           |
| 79  |          | 17:15.0   | -21:28    | 2.49     | 9.87    | 0.3   | 4           |
| 80  |          | 17:39.1   | -25:07    | 2.49     | 3.25    | 0.005 | 5           |
| 81  | 74       | 17:25.0   | -23:01    | 2.52     | 7.08    | 0.009 | 5           |
| 82  |          | 17:46.1   | -26:01    | 2.55     | 1.43    | 2.26  | 2           |
| 83  |          | 16:34.3   | -14:16    | 2.62     | 21.92   | 0.056 | 5           |
| 84  |          | 17:36.1   | -24:32    | 2.61     | 4.14    | 0.328 | 4           |
| 85  | 261      | 17:26.0   | -23:01    | 2.64     | 6.89    | 0.036 | 4           |
| 86  |          | 17:21.0   | -22:13    | 2.66     | 8.3     | 0.063 | 2           |
| 87  |          | 17:18.6   | -21:48    | 2.7      | 8.99    | 0.001 | 5           |
| 88  |          | 17:20.5   | -22:03    | 2.74     | 8.49    | 0.027 | 2           |
| 89  |          | 17:18.5   | -21:42    | 2.77     | 9.07    | 0.005 | 5           |
| 90  |          | 17:39.6   | -24:52    | 2.76     | 3.29    | 0.036 | 5           |
| 91  | 262      | 17:23.5   | -22:28    | 2.78     | 7.68    | 0.016 | 4           |
| 92  |          | 17:19.0   | -21:43    | 2.82     | 8.96    | 0.005 | 5           |
| 93  | 86       | 18:02.7   | -27:50    | 2.86     | -2.69   | 0.007 | 5           |
| 94  |          | 17:20.0   | -21:46    | 2.91     | 8.74    | 0.041 | 2           |
| 95  |          | 17:20.0   | -21:41    | 2.98     | 8.79    | 0.01  | 5           |
| 96  |          | 18:08.2   | -28:20    | 3.01     | -3.97   | 0.03  | 1           |
| 97  |          | 18:07.4   | -28:11    | 3.06     | -3.75   | 0.011 | 3           |
| 98  |          | 16:35.8   | -13:57    | 3.13     | 21.83   | 0.011 | 4           |
| 99  | 63       | 17:19.0   | -21:23    | 3.1      | 9.15    | 0.09  | 3           |
| 100 | 62       | 17:16.0   | -20:53    | 3.11     | 10.01   | 0.075 | 6           |
| 101 |          | 17:21.8   | -21:48    | 3.12     | 8.38    | 0.002 | 5           |
| 102 | 67A      | 17:22.5   | -21:53    | 3.14     | 8.2     | 0.035 | 6           |
| 103 |          | 17:21.5   | -21:43    | 3.15     | 8.48    | 0.009 | 3           |
| 104 |          | 17:16.0   | -20:48    | 3.18     | 10.06   | 0.019 | 6           |
| 105 |          | 16:36.4   | -13:57    | 3.22     | 21.72   | 0.001 | 5           |
| 106 |          | 16:36.7   | -13:57    | 3.27     | 21.66   | 0.001 | 5           |
| 107 |          | 17:26.0   | -22:18    | 3.25     | 7.29    | 0.023 | 5           |
| 108 |          | 18:10.2   | -28:19    | 3.22     | -4.36   | 0.003 | 6           |
| 109 | 83       | 17:39.1   | -24:07    | 3.33     | 3.79    | 0.007 | 5           |
| 110 | 82; ; 81 | 16:49.9   | -16:05    | 3.47     | 17.84   | 0.354 | 3           |
| 111 | 61       | 17:15.2   | -20:21    | 3.45     | 10.47   | 0.007 | 6           |
| 112 | 75       | 17:25.0   | -21:53    | 3.47     | 7.71    | 0.034 | 5           |
| 113 |          | 17:38.5   | -23:52    | 3.48     | 4.02    | 0.041 | 2           |
| 114 |          | 17:40.1   | -24:02    | 3.53     | 3.64    | 0.496 | 2           |
| 115 |          | 16:53.9   | -16:40    | 3.57     | 16.72   | 0.142 | 3           |
| 116 |          | 18:06.5   | -27:30    | 3.57     | -3.26   | 0.002 | 3           |
| 117 |          | 17:25.0   | -21:43    | 3.61     | 7.81    | 0.172 | 2           |
| 118 |          | 16:54.9   | -16:45    | 3.65     | 16.47   | 0.054 | 4           |
| 119 |          | 18:03.1   | -27:00    | 3.63     | -2.35   | 0.342 | 2           |
| 120 | 299      | 18:06.4   | -27:25    | 3.63     | -3.2    | 0.01  | 3           |
| 121 |          | 16:39.8   | -14:01    | 3.7      | 21.02   | 0.017 | 5           |
| 122 |          | 16:55.2   | -16:45    | 3.69     | 16.42   | 0.02  | 6           |
| 123 |          | 18:07.6   | -27:25    | 3.76     | -3.43   | 0.002 | 4           |
| 124 |          | 18:13.2   | -27:59    | 3.84     | -4.78   | 4.32  | 2           |
| 125 | 272      | 17:36.0   | -23:02    | 3.88     | 4.95    | 0.975 | 3           |
| 126 |          | 17:43.1   | -24:01    | 3.89     | 3.06    | 0.361 | 1           |
| 127 |          | 18:08.1   | -27:19    | 3.9      | -3.48   | 0.007 | 4           |
| 128 |          | 17:31.0   | -22:12    | 3.96     | 6.37    | 0.81  | 2           |
| 129 |          | 16:55.0   | -16:20    | 4.01     | 16.7    | 0.009 | 6           |
| 130 | 281      | 17:45.1   | -24:11    | 3.99     | 2.58    | 0.296 | 2           |
| 131 |          | 17:25.0   | -21:13    | 4.03     | 8.08    | 0.362 | 3           |
| 132 |          | 16:54.9   | -16:15    | 4.07     | 16.77   | 0.052 | 4           |
| 133 |          | 17:59.1   | -26:00    | 4.05     | -1.08   | 0.117 | 4           |
| 134 |          | 15:53.6   | -04:39    | 4.18     | 35.75   | 0.22  | 5           |

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|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 135        |                | 18:02.1          | -26:20           | 4.1             | -1.83          | 0.008       | 4                  |
| 136        |                | 17:29.0          | -21:42           | 4.12            | 7.03           | 0.151       | 1                  |
| 137        |                | 16:50.9          | -15:25           | 4.18            | 18.04          | 0.896       | 4                  |
| 138        |                | 17:24.0          | -20:53           | 4.18            | 8.46           | 1.03        | 1                  |
| 139        | 251            | 17:16.8          | -19:43           | 4.2             | 10.52          | 0.115       | 3                  |
| 140        |                | 17:53.1          | -25:01           | 4.22            | 0.59           | 1.01        | 2                  |
| 141        |                | 16:50.9          | -15:15           | 4.32            | 18.14          | 0.077       | 5                  |
| 142        | 279            | 17:43.0          | -23:31           | 4.32            | 3.32           | 1.48        | 3                  |
| 143        |                | 18:10.1          | -26:59           | 4.39            | -3.71          | 0.5         | 3                  |
| 144        | 277            | 17:40.5          | -23:02           | 4.44            | 4.07           | 0.029       | 4                  |
| 145        |                | 16:35.3          | -12:16           | 4.49            | 22.95          | 0.145       | 1                  |
| 146        |                | 16:56.4          | -16:00           | 4.5             | 16.62          | 0.066       | 5                  |
| 147        |                | 18:04.1          | -26:10           | 4.46            | -2.14          | 0.047       | 4                  |
| 148        |                | 16:46.4          | -14:10           | 4.58            | 19.64          | 0.012       | 5                  |
| 149        | 266            | 17:27.0          | -20:53           | 4.57            | 7.88           | 0.518       | 3                  |
| 150        |                | 17:57.1          | -25:00           | 4.68            | -0.19          | 13.55       | 3                  |
| 151        |                | 18:06.1          | -26:10           | 4.68            | -2.53          | 0.398       | 2                  |
| 152        |                | 16:49.8          | -14:35           | 4.74            | 18.72          | 1.04        | 3                  |
| 153        |                | 17:40.0          | -22:37           | 4.73            | 4.39           | 0.511       | 3                  |
| 154        |                | 17:42.0          | -22:51           | 4.76            | 3.87           | 0.497       | 1                  |
| 155        |                | 17:38.0          | -22:17           | 4.76            | 4.96           | 1.61        | 2                  |
| 156        |                | 16:37.3          | -12:16           | 4.81            | 22.56          | 0.127       | 1                  |
| 157        |                | 18:09.1          | -26:24           | 4.8             | -3.24          | 0.008       | 4                  |
| 158        |                | 16:47.8          | -14:05           | 4.86            | 19.41          | 0.056       | 6                  |
| 159        |                | 17:48.5          | -23:41           | 4.83            | 2.16           | 0.071       | 1                  |
| 160        |                | 17:45.0          | -23:11           | 4.84            | 3.11           | 0.054       | 2                  |
| 161        |                | 17:51.1          | -24:01           | 4.85            | 1.5            | 0.117       | 2                  |
| 162        |                | 16:49.1          | -14:15           | 4.92            | 19.06          | 0.124       | 6                  |
| 163        |                | 16:49.8          | -14:20           | 4.95            | 18.87          | 0.032       | 2                  |
| 164        |                | 17:37.0          | -21:52           | 4.99            | 5.38           | 0.063       | 3                  |
| 165        |                | 18:16.1          | -26:59           | 5.04            | -4.89          | 0.054       | 1                  |
| 166        |                | 18:02.1          | -25:10           | 5.11            | -1.25          | 0.008       | 5                  |
| 167        |                | 18:06.1          | -25:40           | 5.12            | -2.28          | 0.144       | 1                  |
| 168        | 80             | 17:33.0          | -21:02           | 5.2             | 6.61           | 1.05        | 3                  |
| 169        |                | 15:52.6          | -03:19           | 5.28            | 36.77          | 0.86        | 4                  |
| 170        |                | 17:47.0          | -23:01           | 5.23            | 2.8            | 0.479       | 1                  |
| 171        |                | 18:03.1          | -25:10           | 5.22            | -1.44          | 0.316       | 2                  |
| 172        | 274            | 17:38.0          | -21:37           | 5.33            | 5.32           | 0.026       | 4                  |
| 173        | 64             | 17:17.2          | -18:23           | 5.39            | 11.17          | 0.02        | 6                  |
| 174        |                | 17:39.0          | -21:42           | 5.38            | 5.08           | 0.02        | 3                  |
| 175        |                | 17:18.3          | -18:31           | 5.43            | 10.88          | 0.016       | 5                  |
| 176        |                | 18:10.1          | -25:49           | 5.42            | -3.15          | 0.308       | 2                  |
| 177        | 259            | 17:22.9          | -19:13           | 5.45            | 9.58           | 0.034       | 4                  |
| 178        | 268            | 17:32.0          | -20:32           | 5.49            | 7.08           | 0.672       | 4                  |
| 179        |                | 17:23.9          | -19:18           | 5.51            | 9.34           | 0.047       | 1                  |
| 180        |                | 18:03.1          | -24:45           | 5.58            | -1.24          | 2.76        | 1                  |
| 181        |                | 18:31.2          | -28:05           | 5.59            | -8.35          | 0.008       | 3                  |
| 182        |                | 17:33.0          | -20:32           | 5.62            | 6.88           | 1.11        | 2                  |
| 183        |                | 15:53.9          | -03:09           | 5.7             | 36.62          | 0.24        | 5                  |
| 185        | 270            | 17:32.0          | -20:17           | 5.7             | 7.22           | 0.108       | 5                  |
| 186        |                | 17:44.0          | -22:01           | 5.72            | 3.92           | 0.3         | 1                  |
| 187        |                | 18:12.1          | -25:44           | 5.71            | -3.5           | 0.694       | 2                  |
| 188        |                | 17:53.0          | -23:11           | 5.8             | 1.53           | 0.298       | 4                  |
| 189        |                | 17:43.0          | -21:41           | 5.88            | 4.29           | 0.596       | 1                  |
| 190        |                | 16:48.3          | -12:55           | 5.94            | 20             | 0.022       | 4                  |
| 191        |                | 16:47.8          | -12:45           | 6.01            | 20.2           | 0.158       | 5                  |
| 192        |                | 17:31.0          | -19:47           | 6               | 7.68           | 0.278       | 5                  |
| 193        |                | 17:36.0          | -20:32           | 6               | 6.29           | 0.104       | 4                  |
| 194        |                | 18:13.1          | -25:29           | 6.04            | -3.58          | 0.316       | 3                  |
| 195        | 306            | 18:15.9          | -25:44           | 6.12            | -4.25          | 0.003       | 3                  |
| 196        |                | 18:10.1          | -24:59           | 6.15            | -2.74          | 0.002       | 5                  |
| 197        |                | 18:13.1          | -25:20           | 6.17            | -3.51          | 0.014       | 2                  |
| 198        |                | 18:13.6          | -25:22           | 6.19            | -3.62          | 0.01        | 4                  |
| 199        |                | 18:15.1          | -25:27           | 6.28            | -3.96          | 0.001       | 5                  |
| 200        |                | 18:10.1          | -24:49           | 6.29            | -2.66          | 1.05        | 2                  |
| 201        |                | 18:20.1          | -25:59           | 6.35            | -5.2           | 3.45        | 2                  |
| 202        |                | 17:38.5          | -20:22           | 6.46            | 5.88           | 0.122       | 2                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 203        |                | 18:14.4          | -25:10           | 6.45            | -3.68          | 0.004       | 4                  |
| 204        |                | 16:47.8          | -12:05           | 6.59            | 20.58          | 0.167       | 6                  |
| 205        |                | 18:26.1          | -26:23           | 6.6             | -6.59          | 0.026       | 2                  |
| 206        |                | 17:30.9          | -19:02           | 6.64            | 8.09           | 3.56        | 3                  |
| 207        | 280            | 17:45.0          | -21:01           | 6.69            | 4.24           | 2           | 3                  |
| 208        |                | 18:13.1          | -24:39           | 6.77            | -3.18          | 0.032       | 1                  |
| 209        |                | 17:38.0          | -19:52           | 6.82            | 6.25           | 0.013       | 4                  |
| 210        | 303            | 18:09.2          | -24:07           | 6.8             | -2.14          | 0.001       | 5                  |
| 211        |                | 18:09.6          | -24:09           | 6.82            | -2.24          | 0.008       | 5                  |
| 212        |                | 18:11.1          | -24:19           | 6.84            | -2.62          | 0.093       | 5                  |
| 213        | 302            | 18:09.1          | -24:00           | 6.89            | -2.07          | 0.001       | 5                  |
| 214        |                | 18:09.1          | -23:58           | 6.92            | -2.05          | 0.001       | 5                  |
| 215        |                | 17:58.0          | -22:30           | 6.96            | 0.88           | 8.83        | 2                  |
| 216        | 79             | 17:38.0          | -19:40           | 6.99            | 6.36           | 0.011       | 6                  |
| 217        |                | 18:28.1          | -26:08           | 7.03            | -6.87          | 0.009       | 2                  |
| 218        |                | 17:55.0          | -21:58           | 7.06            | 1.75           | 0.025       | 3                  |
| 219        |                | 17:39.5          | -19:47           | 7.08            | 5.99           | 0.084       | 6                  |
| 220        |                | 17:30.9          | -18:28           | 7.12            | 8.4            | 0.007       | 4                  |
| 221        |                | 18:11.1          | -23:59           | 7.13            | -2.46          | 1.62        | 3                  |
| 222        |                | 17:41.2          | -19:46           | 7.29            | 5.65           | 0.001       | 6                  |
| 223        |                | 17:40.8          | -19:43           | 7.3             | 5.77           | 0.001       | 6                  |
| 224        |                | 18:08.5          | -23:29           | 7.29            | -1.71          | 0.015       | 5                  |
| 225        |                | 17:32.9          | -18:32           | 7.32            | 7.96           | 0.088       | 2                  |
| 226        |                | 17:40.6          | -19:40           | 7.32            | 5.84           | 0.003       | 6                  |
| 227        | 90             | 18:10.1          | -23:39           | 7.31            | -2.09          | 0.05        | 5                  |
| 228        |                | 17:40.8          | -19:38           | 7.37            | 5.81           | 0.002       | 6                  |
| 229        |                | 17:40.2          | -19:31           | 7.39            | 6              | 0.002       | 6                  |
| 230        |                | 18:09.0          | -23:27           | 7.37            | -1.8           | 0.003       | 5                  |
| 231        | 83A            | 17:40.4          | -19:32           | 7.4             | 5.95           | 0.001       | 6                  |
| 232        |                | 18:05.0          | -22:50           | 7.47            | -0.68          | 0.086       | 1                  |
| 233        |                | 17:45.1          | -20:01           | 7.56            | 4.74           | 0.001       | 6                  |
| 234        |                | 16:48.8          | -11:05           | 7.61            | 20.96          | 1.41        | 3                  |
| 235        | 84             | 17:46.5          | -20:11           | 7.59            | 4.38           | 0.038       | 6                  |
| 236        |                | 18:26.1          | -25:18           | 7.57            | -6.09          | 0.029       | 3                  |
| 237        |                | 18:01.0          | -22:10           | 7.59            | 0.45           | 0.524       | 1                  |
| 238        |                | 16:35.7          | -08:46           | 7.66            | 24.93          | 0.054       | 3                  |
| 239        | 98             | 18:33.4          | -26:01           | 7.68            | -7.88          | 0.018       | 6                  |
| 240        |                | 18:37.1          | -26:22           | 7.73            | -8.79          | 0.022       | 3                  |
| 241        |                | 18:11.5          | -23:19           | 7.77            | -2.23          | 0.021       | 4                  |
| 242        |                | 18:12.1          | -23:24           | 7.76            | -2.39          | 0.01        | 4                  |
| 243        |                | 18:12.0          | -23:19           | 7.83            | -2.33          | 0.524       | 3                  |
| 244        |                | 16:51.8          | -11:15           | 7.92            | 20.27          | 0.086       | 4                  |
| 245        |                | 18:31.1          | -25:28           | 7.94            | -7.17          | 0.44        | 1                  |
| 246        |                | 17:45.0          | -19:31           | 7.98            | 5.02           | 10          | 3                  |
| 247        |                | 18:24.1          | -24:33           | 8.03            | -5.34          | 0.034       | 1                  |
| 248        |                | 18:36.1          | -25:47           | 8.15            | -8.33          | 0.052       | 1                  |
| 249        |                | 18:10.0          | -22:29           | 8.33            | -1.53          | 0.19        | 1                  |
| 250        |                | 18:23.4          | -24:08           | 8.32            | -5             | 0.002       | 3                  |
| 251        |                | 18:29.1          | -24:48           | 8.33            | -6.46          | 0.185       | 1                  |
| 252        |                | 18:23.2          | -24:03           | 8.38            | -4.93          | 0.004       | 3                  |
| 253        |                | 18:40.1          | -25:57           | 8.41            | -9.21          | 0.689       | 1                  |
| 254        |                | 17:50.0          | -19:41           | 8.44            | 3.93           | 0.235       | 2                  |
| 255        |                | 16:47.7          | -09:55           | 8.48            | 21.84          | 0.032       | 6                  |
| 256        |                | 18:15.0          | -22:59           | 8.45            | -2.78          | 0.377       | 2                  |
| 257        |                | 18:11.0          | -22:24           | 8.52            | -1.69          | 0.075       | 2                  |
| 258        |                | 17:44.9          | -18:51           | 8.55            | 5.37           | 0.18        | 2                  |
| 259        |                | 18:25.1          | -23:59           | 8.64            | -5.28          | 0.023       | 3                  |
| 260        |                | 16:47.7          | -09:35           | 8.78            | 22.03          | 0.074       | 6                  |
| 261        |                | 17:35.9          | -17:12           | 8.84            | 8.07           | 0.268       | 2                  |
| 262        |                | 18:03.0          | -21:00           | 8.84            | 0.63           | 0.009       | 6                  |
| 263        |                | 18:36.1          | -24:57           | 8.91            | -7.95          | 2.43        | 2                  |
| 264        |                | 17:48.9          | -18:51           | 9.04            | 4.56           | 0.142       | 2                  |
| 265        |                | 18:17.0          | -22:29           | 9.11            | -2.94          | 0.33        | 2                  |
| 266        |                | 18:31.1          | -24:08           | 9.14            | -6.56          | 0.418       | 2                  |
| 267        |                | 18:23.5          | -23:08           | 9.23            | -4.58          | 0.005       | 2                  |
| 268        |                | 18:23.5          | -23:08           | 9.23            | -4.58          | 0.005       | 4                  |
| 269        | 276            | 18:29.5          | -23:48           | 9.28            | -6.11          | 0.041       | 2                  |

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| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 271        |                | 18:11.0          | -21:19           | 9.46            | -1.16          | 0.016       | 3                  |
| 272        | 308            | 18:18.0          | -22:09           | 9.51            | -2.99          | 0.07        | 3                  |
| 273        |                | 17:44.4          | -17:36           | 9.56            | 6.12           | 0.007       | 3                  |
| 274        |                | 18:09.3          | -20:57           | 9.59            | -0.64          | 0.02        | 4                  |
| 275        |                | 18:12.0          | -21:11           | 9.69            | -1.3           | 0.001       | 3                  |
| 276        |                | 17:43.9          | -17:21           | 9.71            | 6.35           | 0.043       | 3                  |
| 277        |                | 17:45.4          | -17:29           | 9.78            | 5.98           | 0.005       | 3                  |
| 278        |                | 16:58.8          | -10:15           | 9.83            | 19.41          | 1.15        | 3                  |
| 279        |                | 17:52.9          | -18:31           | 9.81            | 3.92           | 0.462       | 2                  |
| 280        |                | 16:58.7          | -10:05           | 9.98            | 19.51          | 0.251       | 4                  |
| 281        |                | 18:05.0          | -20:00           | 9.94            | 0.72           | 1.28        | 2                  |
| 282        |                | 18:13.0          | -20:59           | 9.98            | -1.41          | 0.052       | 4                  |
| 283        |                | 17:38.9          | -16:02           | 10.23           | 8.07           | 4.78        | 2                  |
| 284        |                | 18:36.0          | -23:27           | 10.26           | -7.28          | 0.199       | 1                  |
| 285        |                | 17:55.9          | -18:20           | 10.32           | 3.39           | 0.214       | 4                  |
| 286        |                | 18:01.9          | -19:10           | 10.31           | 1.74           | 0.115       | 2                  |
| 287        |                | 17:22.8          | -13:23           | 10.43           | 12.77          | 0.158       | 1                  |
| 288        |                | 17:57.9          | -18:30           | 10.41           | 2.9            | 0.05        | 5                  |
| 289        |                | 18:00.9          | -18:50           | 10.48           | 2.11           | 0.027       | 2                  |
| 290        |                | 17:42.9          | -16:01           | 10.73           | 7.25           | 1.32        | 1                  |
| 291        |                | 18:20.0          | -20:59           | 10.76           | -2.84          | 0.274       | 4                  |
| 292        |                | 17:57.7          | -18:00           | 10.82           | 3.19           | 0.05        | 4                  |
| 293        |                | 17:57.9          | -18:00           | 10.85           | 3.15           | 2.02        | 1                  |
| 294        |                | 18:32.0          | -22:18           | 10.88           | -5.93          | 0.002       | 3                  |
| 295        |                | 18:32.8          | -22:21           | 10.92           | -6.12          | 0.002       | 3                  |
| 296        |                | 18:32.5          | -22:18           | 10.94           | -6.03          | 0.002       | 3                  |
| 297        |                | 18:47.0          | -23:57           | 10.93           | -9.76          | 0.176       | 1                  |
| 298        |                | 17:58.9          | -18:00           | 10.97           | 2.94           | 0.106       | 3                  |
| 299        |                | 17:00.7          | -09:14           | 11              | 19.56          | 0.208       | 2                  |
| 300        |                | 18:51.1          | -24:16           | 11.03           | -10.72         | 0.37        | 1                  |
| 301        |                | 18:35.4          | -22:30           | 11.06           | -6.72          | 0.018       | 2                  |
| 302        | 84A            | 17:57.5          | -17:40           | 11.09           | 3.4            | 0.04        | 5                  |
| 303        | 304; 301; 297  | 18:07.9          | -19:00           | 11.16           | 0.59           | 18          | 3                  |
| 304        |                | 18:35.0          | -22:08           | 11.35           | -6.47          | 0.02        | 2                  |
| 305        |                | 17:49.9          | -16:16           | 11.39           | 5.68           | 4.17        | 2                  |
| 306        |                | 18:23.2          | -20:38           | 11.41           | -3.34          | 0.025       | 4                  |
| 307        |                | 18:06.2          | -18:27           | 11.44           | 1.21           | 0.001       | 6                  |
| 308        |                | 18:06.7          | -18:26           | 11.51           | 1.12           | 0.001       | 6                  |
| 309        |                | 18:31.0          | -21:28           | 11.52           | -5.34          | 0.014       | 4                  |
| 310        |                | 18:06.9          | -18:22           | 11.59           | 1.11           | 0.004       | 6                  |
| 311        |                | 18:49.5          | -23:27           | 11.64           | -10.06         | 0.224       | 2                  |
| 312        |                | 17:50.9          | -16:01           | 11.73           | 5.6            | 2.61        | 1                  |
| 313        | 99             | 18:33.5          | -21:33           | 11.71           | -5.9           | 0.018       | 3                  |
| 314        |                | 18:21.0          | -19:59           | 11.76           | -2.57          | 3.6         | 3                  |
| 315        |                | 18:18.0          | -19:29           | 11.86           | -1.71          | 6           | 2                  |
| 316        |                | 18:44.7          | -22:37           | 11.91           | -8.7           | 0.108       | 1                  |
| 317        |                | 17:00.7          | -08:04           | 12.04           | 20.2           | 1.6         | 4                  |
| 318        |                | 17:59.9          | -16:50           | 12.1            | 3.32           | 0.009       | 4                  |
| 319        |                | 18:01.9          | -16:50           | 12.34           | 2.9            | 0.043       | 1                  |
| 320        |                | 17:59.9          | -16:30           | 12.39           | 3.48           | 1.42        | 2                  |
| 321        |                | 18:50.3          | -22:38           | 12.45           | -9.88          | 0.025       | 3                  |
| 322        |                | 18:19.9          | -18:59           | 12.53           | -1.89          | 1.29        | 2                  |
| 323        | 92             | 18:15.5          | -18:11           | 12.73           | -0.59          | 0.016       | 6                  |
| 324        |                | 17:21.8          | -10:23           | 12.91           | 14.58          | 5.8         | 1                  |
| 325        |                | 17:53.9          | -15:01           | 12.96           | 5.49           | 0.9         | 3                  |
| 326        |                | 17:49.8          | -14:26           | 12.97           | 6.62           | 0.03        | 4                  |
| 327        | 93             | 18:16.9          | -18:04           | 12.99           | -0.83          | 0.011       | 4                  |
| 328        |                | 18:16.9          | -18:00           | 13.05           | -0.8           | 0.001       | 6                  |
| 329        |                | 18:40.5          | -20:52           | 13.06           | -7.05          | 0.052       | 2                  |
| 330        | 284            | 17:50.4          | -14:17           | 13.18           | 6.57           | 0.011       | 6                  |
| 331        |                | 18:16.9          | -17:49           | 13.21           | -0.71          | 0.005       | 4                  |
| 332        |                | 18:20.9          | -18:09           | 13.37           | -1.7           | 0.014       | 3                  |
| 333        |                | 18:10.9          | -16:49           | 13.39           | 1.03           | 0.498       | 1                  |
| 334        |                | 18:40.0          | -20:27           | 13.38           | -6.76          | 0.075       | 1                  |
| 335        | 307            | 18:19.1          | -17:49           | 13.46           | -1.17          | 0.004       | 3                  |
| 336        |                | 18:19.9          | -17:54           | 13.48           | -1.38          | 0.047       | 3                  |
| 337        |                | 17:57.9          | -14:51           | 13.58           | 4.73           | 0.022       | 4                  |

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| LDN | Barnard | RA (2000) | Dec(2000) | Gal Long | Gal Lat | Area  | Opacity 1-6 |
|-----|---------|-----------|-----------|----------|---------|-------|-------------|
| 339 |         | 17:56.6   | -14:35    | 13.65    | 5.13    | 0.016 | 4           |
| 340 |         | 17:58.9   | -14:36    | 13.92    | 4.64    | 0.035 | 3           |
| 341 |         | 17:59.3   | -14:40    | 13.92    | 4.5     | 0.011 | 4           |
| 342 |         | 18:21.9   | -17:39    | 13.92    | -1.68   | 0.795 | 1           |
| 343 |         | 18:28.9   | -18:24    | 14.03    | -3.5    | 0.987 | 3           |
| 344 | 315     | 18:42.0   | -19:57    | 14.04    | -6.95   | 0.016 | 3           |
| 345 |         | 17:53.8   | -13:41    | 14.12    | 6.16    | 0.24  | 2           |
| 346 |         | 18:43.0   | -19:57    | 14.15    | -7.16   | 0.016 | 3           |
| 347 |         | 18:07.9   | -15:30    | 14.21    | 2.31    | 0.19  | 2           |
| 348 |         | 18:09.9   | -15:39    | 14.3     | 1.81    | 0.027 | 2           |
| 349 |         | 17:51.1   | -13:01    | 14.37    | 7.06    | 0.011 | 4           |
| 350 | 310     | 18:27.9   | -17:48    | 14.45    | -3.01   | 0.145 | 3           |
| 351 |         | 18:23.9   | -17:13    | 14.52    | -1.9    | 0.029 | 4           |
| 352 |         | 17:45.8   | -12:01    | 14.58    | 8.68    | 5.25  | 1           |
| 353 |         | 18:32.9   | -18:18    | 14.56    | -4.3    | 3.33  | 1           |
| 354 |         | 18:24.9   | -17:15    | 14.6     | -2.13   | 0.029 | 4           |
| 355 |         | 17:51.8   | -12:41    | 14.74    | 7.08    | 0.075 | 4           |
| 356 | 311     | 18:30.4   | -17:43    | 14.8     | -3.5    | 0.011 | 4           |
| 357 |         | 18:15.9   | -15:44    | 14.92    | 0.5     | 0.151 | 1           |
| 358 |         | 17:52.8   | -12:31    | 15.01    | 6.95    | 0.75  | 3           |
| 359 |         | 18:22.9   | -16:28    | 15.07    | -1.33   | 5     | 3           |
| 360 |         | 17:51.7   | -12:16    | 15.09    | 7.31    | 0.009 | 5           |
| 361 |         | 17:52.0   | -12:11    | 15.2     | 7.29    | 0.012 | 5           |
| 362 |         | 18:29.9   | -17:08    | 15.26    | -3.13   | 0.465 | 2           |
| 363 |         | 17:58.8   | -13:00    | 15.31    | 5.44    | 2.19  | 2           |
| 364 |         | 18:34.9   | -17:38    | 15.37    | -4.41   | 0.102 | 3           |
| 365 |         | 18:42.9   | -18:27    | 15.5     | -6.49   | 0.093 | 1           |
| 367 |         | 17:49.8   | -11:01    | 15.95    | 8.34    | 0.8   | 4           |
| 368 |         | 18:05.3   | -13:10    | 15.95    | 3.98    | 1.55  | 4           |
| 369 |         | 18:46.1   | -18:12    | 16.06    | -7.05   | 0.016 | 2           |
| 370 |         | 18:30.6   | -16:13    | 16.15    | -2.85   | 0.009 | 4           |
| 371 |         | 17:17.7   | -06:03    | 16.2     | 17.7    | 1.02  | 2           |
| 372 |         | 18:30.6   | -16:04    | 16.29    | -2.78   | 0.001 | 6           |
| 373 |         | 17:25.7   | -07:03    | 16.38    | 15.48   | 0.395 | 1           |
| 374 |         | 18:29.9   | -15:48    | 16.44    | -2.5    | 0.348 | 3           |
| 375 |         | 18:08.8   | -12:59    | 16.51    | 3.32    | 0.118 | 4           |
| 376 |         | 18:22.9   | -14:38    | 16.68    | -0.47   | 0.73  | 4           |
| 377 |         | 19:32.3   | -22:24    | 16.74    | -18.64  | 0.002 | 3           |
| 378 |         | 18:36.9   | -15:57    | 17.08    | -4.07   | 0.088 | 3           |
| 379 | 312     | 18:30.9   | -15:08    | 17.15    | -2.41   | 0.181 | 4           |
| 380 |         | 18:22.8   | -13:58    | 17.27    | -0.15   | 0.258 | 4           |
| 381 |         | 18:37.4   | -15:47    | 17.28    | -4.1    | 0.005 | 4           |
| 382 |         | 17:47.7   | -09:01    | 17.45    | 9.77    | 0.219 | 4           |
| 383 |         | 18:02.8   | -11:00    | 17.54    | 5.57    | 0.754 | 3           |
| 384 |         | 18:02.8   | -10:45    | 17.76    | 5.69    | 7.16  | 1           |
| 385 |         | 18:34.9   | -14:51    | 17.85    | -3.13   | 0.011 | 3           |
| 386 |         | 18:12.8   | -11:59    | 17.86    | 2.95    | 18.7  | 3           |
| 387 |         | 17:18.6   | -04:03    | 18.14    | 18.51   | 0.548 | 2           |
| 388 |         | 18:32.8   | -14:13    | 18.18    | -2.41   | 5.89  | 1           |
| 389 |         | 18:32.8   | -14:08    | 18.26    | -2.37   | 0.121 | 3           |
| 390 |         | 18:35.8   | -14:28    | 18.3     | -3.17   | 0.147 | 3           |
| 391 |         | 17:15.6   | -03:03    | 18.65    | 19.67   | 0.393 | 3           |
| 392 |         | 17:53.7   | -08:31    | 18.64    | 8.73    | 0.01  | 5           |
| 393 |         | 17:44.7   | -07:11    | 18.69    | 11.33   | 20    | 2           |
| 394 |         | 18:21.8   | -12:14    | 18.69    | 0.89    | 1.5   | 1           |
| 395 |         | 18:38.8   | -14:07    | 18.93    | -3.66   | 0.416 | 3           |
| 396 |         | 18:32.0   | -13:13    | 18.98    | -1.77   | 0.004 | 3           |
| 397 |         | 18:02.7   | -09:20    | 19.01    | 6.39    | 0.283 | 4           |
| 398 |         | 18:32.8   | -13:18    | 19       | -1.98   | 0.011 | 3           |
| 399 |         | 18:26.8   | -12:28    | 19.05    | -0.3    | 1.05  | 1           |
| 400 |         | 17:55.7   | -08:15    | 19.1     | 8.43    | 0.095 | 4           |
| 401 | 102     | 18:38.1   | -13:47    | 19.15    | -3.36   | 0.007 | 5           |
| 402 |         | 18:29.8   | -12:43    | 19.17    | -1.06   | 0.006 | 5           |
| 403 |         | 18:36.8   | -13:27    | 19.3     | -2.92   | 0.011 | 4           |
| 404 |         | 18:29.8   | -12:28    | 19.39    | -0.95   | 0.013 | 2           |
| 405 |         | 18:22.8   | -11:28    | 19.47    | 1.03    | 10.5  | 3           |
| 406 | 95      | 18:25.8   | -11:48    | 19.52    | 0.23    | 0.746 | 5           |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 408        |                | 18:10.7          | -09:29           | 19.82           | 4.58           | 0.474       | 4                  |
| 409        |                | 18:41.8          | -13:27           | 19.86           | -4             | 1.46        | 4                  |
| 410        |                | 18:42.8          | -13:27           | 19.97           | -4.22          | 5           | 3                  |
| 411        |                | 18:27.8          | -11:28           | 20.05           | -0.05          | 0.01        | 5                  |
| 412        |                | 18:31.8          | -11:58           | 20.06           | -1.15          | 0.018       | 4                  |
| 413        |                | 18:26.6          | -11:13           | 20.13           | 0.33           | 0.01        | 5                  |
| 414        |                | 18:24.3          | -10:50           | 20.2            | 1.01           | 0.01        | 5                  |
| 415        | 96; ; 94       | 18:24.8          | -10:38           | 20.44           | 1              | 0.14        | 4                  |
| 416        |                | 18:25.3          | -10:38           | 20.49           | 0.89           | 0.005       | 6                  |
| 417        |                | 18:25.3          | -10:36           | 20.52           | 0.9            | 0.003       | 5                  |
| 418        |                | 18:14.7          | -09:09           | 20.59           | 3.87           | 0.16        | 3                  |
| 419        |                | 18:12.7          | -08:39           | 20.79           | 4.55           | 0.108       | 4                  |
| 420        |                | 18:25.8          | -10:18           | 20.85           | 0.94           | 0.01        | 5                  |
| 421        |                | 17:54.3          | -05:49           | 21.1            | 9.93           | 0.02        | 5                  |
| 422        |                | 18:11.7          | -08:09           | 21.11           | 5              | 0.007       | 6                  |
| 423        |                | 18:27.8          | -10:13           | 21.15           | 0.54           | 0.012       | 5                  |
| 424        |                | 18:14.7          | -08:29           | 21.17           | 4.19           | 0.131       | 3                  |
| 425        |                | 17:46.8          | -04:41           | 21.19           | 12.09          | 0.017       | 5                  |
| 426        |                | 18:11.5          | -07:57           | 21.26           | 5.14           | 0.001       | 3                  |
| 427        |                | 18:26.8          | -09:48           | 21.4            | 0.95           | 0.004       | 5                  |
| 428        |                | 17:47.6          | -04:31           | 21.43           | 12             | 0.37        | 3                  |
| 429        |                | 18:16.7          | -08:19           | 21.56           | 3.84           | 0.068       | 6                  |
| 430        |                | 18:11.7          | -07:37           | 21.58           | 5.26           | 0.003       | 5                  |
| 431        |                | 18:13.7          | -07:49           | 21.64           | 4.73           | 0.093       | 4                  |
| 432        |                | 17:58.7          | -05:45           | 21.68           | 9              | 0.008       | 6                  |
| 433        |                | 18:42.8          | -11:27           | 21.75           | -3.3           | 1.71        | 1                  |
| 434        |                | 18:42.8          | -11:27           | 21.75           | -3.3           | 1.11        | 4                  |
| 435        | 97             | 18:32.8          | -09:58           | 21.95           | -0.43          | 8.4         | 4                  |
| 436        |                | 18:14.7          | -07:24           | 22.13           | 4.71           | 0.006       | 6                  |
| 437        |                | 18:20.2          | -07:59           | 22.26           | 3.23           | 0.163       | 5                  |
| 438        |                | 18:14.2          | -07:09           | 22.29           | 4.94           | 0.008       | 6                  |
| 439        |                | 17:59.7          | -05:00           | 22.47           | 9.14           | 0.181       | 3                  |
| 440        |                | 18:19.7          | -07:29           | 22.65           | 3.58           | 0.014       | 4                  |
| 441        |                | 18:03.7          | -05:20           | 22.65           | 8.11           | 2.56        | 2                  |
| 442        |                | 17:57.7          | -04:30           | 22.67           | 9.82           | 0.014       | 4                  |
| 443        | 100; 101       | 18:32.7          | -09:08           | 22.69           | -0.04          | 0.045       | 5                  |
| 444        |                | 18:02.7          | -05:00           | 22.83           | 8.48           | 1.03        | 4                  |
| 445        | 314            | 18:37.7          | -09:37           | 22.82           | -1.37          | 0.086       | 5                  |
| 446        |                | 18:30.7          | -08:38           | 22.9            | 0.63           | 0.14        | 4                  |
| 447        |                | 18:15.7          | -06:39           | 22.91           | 4.85           | 0.546       | 4                  |
| 448        |                | 18:36.7          | -09:17           | 23              | -0.99          | 0.027       | 4                  |
| 449        |                | 18:51.8          | -11:06           | 23.06           | -5.11          | 0.05        | 2                  |
| 450        |                | 18:32.7          | -08:38           | 23.13           | 0.19           | 0.048       | 4                  |
| 451        |                | 18:21.7          | -07:09           | 23.17           | 3.3            | 0.022       | 5                  |
| 452        |                | 18:56.8          | -11:36           | 23.17           | -6.43          | 1.27        | 3                  |
| 453        |                | 18:24.7          | -07:28           | 23.23           | 2.49           | 2.43        | 3                  |
| 454        |                | 18:28.7          | -07:58           | 23.25           | 1.38           | 0.14        | 4                  |
| 455        |                | 18:37.7          | -09:07           | 23.26           | -1.13          | 0.018       | 5                  |
| 456        | 321            | 18:52.8          | -10:56           | 23.32           | -5.26          | 0.032       | 3                  |
| 458        |                | 18:56.8          | -11:26           | 23.32           | -6.36          | 1.27        | 3                  |
| 459        |                | 18:42.8          | -09:37           | 23.38           | -2.46          | 3           | 3                  |
| 460        |                | 17:58.6          | -03:45           | 23.46           | 9.96           | 0.006       | 6                  |
| 461        |                | 18:09.7          | -05:09           | 23.52           | 6.87           | 0.117       | 4                  |
| 462        |                | 18:06.7          | -04:40           | 23.61           | 7.77           | 0.041       | 6                  |
| 463        |                | 18:31.7          | -07:58           | 23.6            | 0.72           | 1           | 3                  |
| 464        |                | 18:52.8          | -10:36           | 23.62           | -5.11          | 0.034       | 3                  |
| 466        |                | 18:19.7          | -06:09           | 23.82           | 4.21           | 0.012       | 6                  |
| 467        |                | 18:19.0          | -05:59           | 23.89           | 4.44           | 0.006       | 5                  |
| 468        |                | 18:00.6          | -03:30           | 23.92           | 9.64           | 0.016       | 5                  |
| 469        |                | 18:13.5          | -05:06           | 24.02           | 6.07           | 0.003       | 5                  |
| 470        |                | 18:18.7          | -05:44           | 24.07           | 4.63           | 0.007       | 6                  |
| 471        |                | 18:19.7          | -05:49           | 24.12           | 4.37           | 0.056       | 4                  |
| 472        |                | 18:14.2          | -04:59           | 24.21           | 5.97           | 0.032       | 4                  |
| 473        |                | 18:37.7          | -07:57           | 24.29           | -0.59          | 0.224       | 3                  |
| 474        |                | 18:51.8          | -09:41           | 24.33           | -4.47          | 1.76        | 1                  |
| 475        |                | 18:19.2          | -05:29           | 24.35           | 4.63           | 0.029       | 4                  |
| 476        |                | 18:18.7          | -05:24           | 24.37           | 4.78           | 0.004       | 3                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i>                  | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|---------------------------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 478        |                                 | 18:12.7          | -04:29           | 24.47           | 6.53           | 0.104       | 4                  |
| 479        |                                 | 18:19.2          | -05:09           | 24.65           | 4.79           | 0.003       | 5                  |
| 480        |                                 | 18:44.7          | -08:27           | 24.65           | -2.36          | 0.44        | 1                  |
| 481        |                                 | 18:25.7          | -05:58           | 24.67           | 2.97           | 7.26        | 2                  |
| 482        |                                 | 18:19.2          | -05:07           | 24.68           | 4.81           | 0.014       | 5                  |
| 483        |                                 | 18:17.7          | -04:49           | 24.77           | 5.28           | 0.038       | 6                  |
| 484        |                                 | 18:39.7          | -07:27           | 24.97           | -0.8           | 1.87        | 2                  |
| 485        |                                 | 18:36.7          | -06:57           | 25.06           | 0.09           | 0.665       | 4                  |
| 486        |                                 | 18:06.6          | -03:00           | 25.09           | 8.56           | 1.53        | 3                  |
| 487        |                                 | 18:16.8          | -04:19           | 25.12           | 5.69           | 0.004       | 4                  |
| 488        |                                 | 18:16.6          | -04:14           | 25.17           | 5.77           | 0.004       | 4                  |
| 489        |                                 | 18:28.7          | -05:38           | 25.32           | 2.47           | 0.238       | 3                  |
| 490        |                                 | 18:15.1          | -03:49           | 25.36           | 6.3            | 0.002       | 6                  |
| 491        |                                 | 18:27.7          | -05:28           | 25.35           | 2.77           | 0.262       | 3                  |
| 492        |                                 | 18:15.6          | -03:49           | 25.42           | 6.19           | 0.008       | 6                  |
| 493        |                                 | 18:12.6          | -03:19           | 25.51           | 7.08           | 0.081       | 4                  |
| 494        |                                 | 18:37.0          | -06:27           | 25.54           | 0.25           | 0.011       | 4                  |
| 495        |                                 | 18:38.9          | -06:39           | 25.58           | -0.26          | 0.002       | 6                  |
| 496        | 109                             | 18:47.7          | -07:47           | 25.58           | -2.72          | 1.24        | 2                  |
| 497        | 103                             | 18:39.2          | -06:37           | 25.65           | -0.31          | 0.027       | 6                  |
| 498        |                                 | 18:40.0          | -06:39           | 25.71           | -0.5           | 0.004       | 5                  |
| 499        |                                 | 18:40.7          | -06:27           | 25.97           | -0.56          | 0.05        | 4                  |
| 500        |                                 | 18:16.6          | -03:19           | 25.98           | 6.2            | 0.004       | 5                  |
| 501        |                                 | 18:17.6          | -03:19           | 26.1            | 5.98           | 0.022       | 5                  |
| 502        |                                 | 18:07.5          | -01:52           | 26.21           | 8.9            | 0.005       | 6                  |
| 503        |                                 | 18:29.1          | -04:38           | 26.26           | 2.83           | 0.008       | 6                  |
| 504        |                                 | 18:18.6          | -03:09           | 26.36           | 5.84           | 0.002       | 5                  |
| 505        |                                 | 18:19.6          | -03:14           | 26.41           | 5.58           | 0.007       | 5                  |
| 506        | 105                             | 18:47.7          | -06:52           | 26.4            | -2.29          | 0.001       | 4                  |
| 507        |                                 | 18:15.0          | -02:37           | 26.41           | 6.89           | 0.016       | 5                  |
| 508        |                                 | 18:09.6          | -01:39           | 26.63           | 8.53           | 0.036       | 3                  |
| 509        | 118; 117                        | 18:53.7          | -07:18           | 26.68           | -3.82          | 0.003       | 6                  |
| 510        |                                 | 18:14.6          | -02:14           | 26.71           | 7.15           | 0.05        | 5                  |
| 511        |                                 | 18:25.6          | -03:38           | 26.74           | 4.06           | 0.812       | 3                  |
| 512        | 116                             | 18:53.2          | -07:06           | 26.8            | -3.62          | 0.066       | 3                  |
| 513        |                                 | 18:10.6          | -01:33           | 26.84           | 8.36           | 0.127       | 6                  |
| 514        | 114                             | 18:52.9          | -06:56           | 26.92           | -3.48          | 0.005       | 5                  |
| 515        |                                 | 18:37.7          | -04:57           | 26.95           | 0.8            | 8.44        | 3                  |
| 516        |                                 | 18:51.4          | -06:36           | 27.04           | -3             | 0.027       | 4                  |
| 517        |                                 | 18:45.2          | -05:37           | 27.22           | -1.17          | 0.265       | 1                  |
| 518        | 115                             | 18:53.2          | -06:36           | 27.25           | -3.39          | 0.003       | 5                  |
| 519        |                                 | 18:12.6          | -01:09           | 27.44           | 8.1            | 0.138       | 4                  |
| 520        |                                 | 18:21.6          | -02:19           | 27.46           | 5.57           | 0.097       | 5                  |
| 521        |                                 | 18:52.5          | -05:54           | 27.79           | -2.92          | 0.014       | 5                  |
| 522        | 320                             | 18:51.7          | -05:46           | 27.82           | -2.68          | 0.176       | 4                  |
| 523        |                                 | 18:49.2          | -05:27           | 27.83           | -1.98          | 0.061       | 4                  |
| 524        |                                 | 18:45.7          | -04:57           | 27.87           | -0.97          | 0.59        | 1                  |
| 525        |                                 | 18:38.6          | -03:57           | 27.95           | 1.04           | 2.16        | 2                  |
| 526        |                                 | 18:26.6          | -02:18           | 28.04           | 4.46           | 0.905       | 3                  |
| 527        |                                 | 18:46.5          | -04:47           | 28.11           | -1.07          | 0.005       | 4                  |
| 528        |                                 | 18:47.1          | -04:47           | 28.19           | -1.23          | 0.267       | 3                  |
| 529        |                                 | 18:45.6          | -04:27           | 28.32           | -0.74          | 0.258       | 2                  |
| 530        | 107; 106; 110                   | 18:49.7          | -04:47           | 28.48           | -1.78          | 0.124       | 6                  |
| 531        | 133                             | 19:06.1          | -06:50           | 28.49           | -6.36          | 0.005       | 6                  |
| 532        | 104                             | 18:47.1          | -04:22           | 28.56           | -1.03          | 0.016       | 5                  |
| 533        |                                 | 18:23.6          | -01:18           | 28.58           | 5.59           | 0.022       | 4                  |
| 534        | 111;; 108; 119A; 117A; 323; 325 | 18:52.7          | -04:56           | 28.67           | -2.52          | 3.185       | 3                  |
| 535        |                                 | 18:37.1          | -02:53           | 28.73           | 1.86           | 0.029       | 1                  |
| 536        |                                 | 18:34.6          | -02:33           | 28.75           | 2.58           | 0.253       | 3                  |
| 537        |                                 | 18:22.6          | -00:58           | 28.76           | 5.97           | 0.534       | 1                  |
| 538        |                                 | 18:36.6          | -02:47           | 28.76           | 2.02           | 0.133       | 4                  |
| 539        |                                 | 18:24.0          | -01:04           | 28.83           | 5.61           | 0.022       | 6                  |
| 540        |                                 | 19:06.1          | -06:25           | 28.86           | -6.17          | 0.113       | 3                  |
| 541        |                                 | 18:36.3          | -02:27           | 29.02           | 2.24           | 0.043       | 4                  |
| 542        | 130                             | 19:01.7          | -05:36           | 29.11           | -4.82          | 0.075       | 3                  |
| 543        | 134                             | 19:06.7          | -06:10           | 29.15           | -6.19          | 0.007       | 6                  |
| 544        | 127                             | 19:01.6          | -05:26           | 29.24           | -4.72          | 0.007       | 5                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 546        |                | 18:57.6          | -04:46           | 29.38           | -3.53          | 0.007       | 4                  |
| 547        |                | 18:50.6          | -03:51           | 29.41           | -1.58          | 2.3         | 4                  |
| 548        | 113            | 18:49.6          | -03:42           | 29.44           | -1.28          | 1           | 5                  |
| 549        | 129            | 19:02.2          | -05:16           | 29.46           | -4.78          | 0.006       | 5                  |
| 550        |                | 19:07.7          | -05:45           | 29.64           | -6.22          | 3.11        | 1                  |
| 551        | 123            | 18:57.8          | -04:26           | 29.71           | -3.44          | 0.002       | 5                  |
| 552        | 327            | 19:04.4          | -05:15           | 29.71           | -5.26          | 0.032       | 3                  |
| 553        |                | 19:03.2          | -05:06           | 29.72           | -4.92          | 0.02        | 3                  |
| 554        |                | 19:08.1          | -05:40           | 29.76           | -6.27          | 0.029       | 3                  |
| 555        | 316            | 18:41.5          | -02:17           | 29.77           | 1.17           | 0.008       | 4                  |
| 556        | 126            | 18:59.1          | -04:31           | 29.79           | -3.77          | 0.13        | 4                  |
| 557        |                | 18:38.6          | -01:47           | 29.88           | 2.04           | 0.181       | 6                  |
| 558        |                | 18:37.6          | -01:37           | 29.91           | 2.34           | 0.432       | 3                  |
| 559        |                | 18:32.6          | -00:58           | 29.92           | 3.75           | 17          | 4                  |
| 560        |                | 18:41.6          | -01:57           | 30.07           | 1.3            | 0.043       | 3                  |
| 561        | 121; 120; 119  | 18:57.6          | -03:56           | 30.13           | -3.17          | 1.55        | 2                  |
| 562        | 131            | 19:02.6          | -04:31           | 30.19           | -4.54          | 0.02        | 5                  |
| 563        |                | 18:39.6          | -01:32           | 30.21           | 1.93           | 2.5         | 1                  |
| 564        |                | 18:37.6          | -01:12           | 30.28           | 2.53           | 0.208       | 5                  |
| 565        |                | 18:55.6          | -03:31           | 30.28           | -2.53          | 1.37        | 2                  |
| 566        |                | 18:50.6          | -02:46           | 30.37           | -1.08          | 0.05        | 5                  |
| 567        | 132; 328       | 19:04.1          | -04:28           | 30.39           | -4.86          | 0.024       | 6                  |
| 568        | 324            | 18:59.4          | -03:46           | 30.49           | -3.49          | 0.01        | 3                  |
| 569        |                | 18:18.5          | 01:31            | 30.52           | 8.01           | 31          | 2                  |
| 570        |                | 18:26.6          | -00:28           | 30.56           | 5.78           | 0.066       | 6                  |
| 571        |                | 18:30.6          | 00:02            | 30.58           | 4.66           | 0.142       | 3                  |
| 572        |                | 18:30.6          | 00:02            | 30.58           | 4.66           | 14          | 4                  |
| 573        |                | 18:28.6          | -00:23           | 30.72           | 5.3            | 0.026       | 3                  |
| 574        |                | 19:07.1          | -04:25           | 30.77           | -5.5           | 0.061       | 4                  |
| 575        |                | 18:28.1          | -00:38           | 30.88           | 5.52           | 0.078       | 3                  |
| 576        |                | 18:31.5          | -00:23           | 31.05           | 4.65           | 0.005       | 5                  |
| 577        |                | 19:05.6          | -03:55           | 31.05           | -4.94          | 0.784       | 3                  |
| 578        |                | 18:31.2          | -00:30           | 31.12           | 4.77           | 0.008       | 5                  |
| 579        |                | 18:55.6          | -02:26           | 31.24           | -2.04          | 1.71        | 3                  |
| 580        |                | 19:08.6          | -04:05           | 31.24           | -5.68          | 0.041       | 4                  |
| 581        | 136; 135       | 19:07.4          | -03:55           | 31.26           | -5.34          | 0.072       | 6                  |
| 582        |                | 18:52.6          | -01:56           | 31.34           | -1.14          | 0.283       | 5                  |
| 583        |                | 18:33.6          | 00:37            | 31.44           | 4.26           | 0.084       | 5                  |
| 584        |                | 18:56.6          | -02:16           | 31.5            | -2.18          | 0.077       | 4                  |
| 585        |                | 18:23.5          | 02:02            | 31.55           | 7.13           | 1.32        | 1                  |
| 586        |                | 18:39.1          | 00:03            | 31.56           | 2.77           | 0.034       | 3                  |
| 587        |                | 18:39.6          | 00:03            | 31.62           | 2.66           | 0.093       | 5                  |
| 588        |                | 18:36.1          | -00:27           | 31.66           | 3.67           | 0.034       | 6                  |
| 589        |                | 18:52.6          | -01:26           | 31.78           | -0.91          | 1.68        | 2                  |
| 590        | 326            | 19:06.6          | -03:00           | 31.98           | -4.75          | 10          | 2                  |
| 591        |                | 18:36.6          | -00:47           | 32.01           | 3.71           | 0.33        | 3                  |
| 592        |                | 18:28.5          | 02:02            | 32.13           | 6.02           | 0.011       | 4                  |
| 593        |                | 18:39.6          | -00:37           | 32.21           | 2.97           | 0.462       | 3                  |
| 594        |                | 19:00.6          | -01:46           | 32.41           | -2.84          | 0.005       | 3                  |
| 595        |                | 19:45.7          | -07:23           | 32.44           | -15.4          | 0.052       | 3                  |
| 596        |                | 18:48.2          | 00:13            | 32.76           | 0.83           | 0.061       | 4                  |
| 597        |                | 18:50.8          | 00:05            | 32.92           | 0.19           | 0.018       | 5                  |
| 598        |                | 18:46.7          | 00:43            | 33.04           | 1.37           | 0.001       | 5                  |
| 599        |                | 18:51.6          | 00:09            | 33.07           | 0.04           | 0.022       | 4                  |
| 600        |                | 18:30.5          | 02:52            | 33.11           | 5.96           | 0.029       | 4                  |
| 601        |                | 18:46.7          | 00:48            | 33.11           | 1.41           | 0.001       | 5                  |
| 602        |                | 18:51.6          | -00:04           | 33.12           | 0.06           | 0.003       | 4                  |
| 603        |                | 18:46.3          | 00:53            | 33.14           | 1.54           | 0.004       | 6                  |
| 604        |                | 18:51.6          | 00:14            | 33.15           | 0.08           | 0.152       | 5                  |
| 605        |                | 18:46.7          | 00:53            | 33.19           | 1.45           | 0.002       | 5                  |
| 606        |                | 18:51.6          | -00:11           | 33.22           | 0.12           | 0.002       | 4                  |
| 607        |                | 18:48.1          | -00:42           | 33.26           | 1.12           | 0.147       | 2                  |
| 608        |                | 18:51.6          | -00:26           | 33.44           | 0.23           | 0.004       | 4                  |
| 609        |                | 18:51.6          | -00:31           | 33.52           | 0.27           | 0.003       | 4                  |
| 610        |                | 18:49.6          | -00:52           | 33.58           | 0.87           | 0.129       | 2                  |
| 611        |                | 18:55.7          | -00:16           | 33.77           | -0.76          | 0.015       | 5                  |
| 612        |                | 18:56.0          | -00:26           | 33.95           | -0.75          | 0.003       | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| LDN | Barnard  | RA (2000) | Dec(2000) | Gal Long | Gal Lat | Area  | Opacity 1-6 |
|-----|----------|-----------|-----------|----------|---------|-------|-------------|
| 614 |          | 18:56.8   | -00:21    | 33.97    | -0.96   | 0.032 | 4           |
| 615 |          | 19:19.6   | -02:04    | 34.3     | -7.21   | 1.35  | 3           |
| 616 |          | 18:47.5   | 02:03     | 34.32    | 1.81    | 2.39  | 2           |
| 617 |          | 18:57.5   | 01:04     | 34.58    | -0.87   | 0.745 | 5           |
| 618 | 137      | 19:15.6   | -01:15    | 34.58    | -5.94   | 0.018 | 3           |
| 619 | 139      | 19:18.1   | -01:28    | 34.68    | -6.59   | 0.016 | 5           |
| 620 |          | 19:20.6   | -01:09    | 35.23    | -7.01   | 0.018 | 3           |
| 621 |          | 18:47.5   | 03:13     | 35.35    | 2.34    | 45    | 3           |
| 622 |          | 19:11.6   | -00:20    | 35.68    | -4.25   | 0.297 | 3           |
| 623 |          | 19:54.6   | -04:52    | 35.81    | -16.27  | 3.19  | 3           |
| 624 |          | 19:05.5   | 01:35     | 35.94    | -2.41   | 0.486 | 1           |
| 625 |          | 19:06.5   | 01:35     | 36.06    | -2.64   | 0.002 | 3           |
| 626 |          | 19:06.5   | 01:40     | 36.13    | -2.6    | 0.003 | 3           |
| 627 | 138      | 19:14.0   | 00:50     | 36.26    | -4.65   | 2.99  | 2           |
| 628 |          | 18:58.5   | 03:26     | 36.79    | 0       | 2     | 4           |
| 629 |          | 19:17.5   | 01:05     | 36.89    | -5.3    | 0.392 | 3           |
| 630 |          | 18:38.9   | 06:03     | 36.91    | 5.52    | 0.301 | 1           |
| 631 | 329      | 19:12.5   | 02:35     | 37.64    | -3.5    | 0.02  | 2           |
| 632 | 141      | 19:20.5   | 01:36     | 37.69    | -5.74   | 0.765 | 1           |
| 633 |          | 18:40.9   | 07:03     | 38.03    | 5.53    | 0.075 | 2           |
| 634 |          | 18:41.4   | 07:33     | 38.53    | 5.65    | 0.059 | 2           |
| 635 |          | 19:09.5   | 04:08     | 38.67    | -2.12   | 0.001 | 5           |
| 636 |          | 19:06.5   | 04:40     | 38.79    | -1.21   | 0.22  | 5           |
| 637 |          | 18:41.4   | 08:13     | 39.13    | 5.95    | 0.03  | 3           |
| 638 |          | 18:50.4   | 07:19     | 39.33    | 3.55    | 20    | 2           |
| 639 |          | 19:12.5   | 05:05     | 39.86    | -2.34   | 1.37  | 2           |
| 640 |          | 19:22.5   | 04:06     | 40.14    | -5.01   | 1.62  | 1           |
| 641 |          | 19:16.5   | 05:05     | 40.32    | -3.22   | 0.38  | 1           |
| 642 | 140      | 19:19.5   | 05:06     | 40.68    | -3.88   | 0.554 | 3           |
| 643 |          | 19:24.1   | 04:50     | 40.98    | -5.02   | 0.015 | 5           |
| 644 |          | 19:19.4   | 06:36     | 42       | -3.18   | 2.34  | 2           |
| 645 |          | 19:19.4   | 07:21     | 42.66    | -2.82   | 5     | 1           |
| 646 |          | 19:14.4   | 08:05     | 42.75    | -1.38   | 2.52  | 2           |
| 647 | 330      | 19:19.9   | 07:31     | 42.87    | -2.85   | 0.206 | 4           |
| 648 |          | 18:39.3   | 12:43     | 42.96    | 8.41    | 0.011 | 6           |
| 649 |          | 19:12.4   | 08:40     | 43.03    | -0.67   | 23    | 2           |
| 650 |          | 18:39.8   | 13:03     | 43.32    | 8.45    | 0.05  | 4           |
| 651 |          | 19:19.4   | 08:06     | 43.33    | -2.47   | 0.025 | 4           |
| 652 |          | 19:18.4   | 08:26     | 43.5     | -2.09   | 0.217 | 2           |
| 653 |          | 18:42.3   | 13:03     | 43.59    | 7.9     | 0.643 | 2           |
| 654 | 331; 332 | 19:29.4   | 07:06     | 43.62    | -5.13   | 4.56  | 1           |
| 655 |          | 19:20.3   | 08:33     | 43.83    | -2.45   | 0.02  | 5           |
| 656 |          | 19:21.3   | 08:28     | 43.87    | -2.71   | 0.001 | 5           |
| 657 |          | 19:21.4   | 08:54     | 44.27    | -2.53   | 0.075 | 5           |
| 658 |          | 19:20.9   | 09:06     | 44.38    | -2.33   | 0.016 | 4           |
| 659 |          | 18:41.3   | 14:03     | 44.39    | 8.56    | 1.46  | 3           |
| 660 |          | 18:37.3   | 14:33     | 44.41    | 9.65    | 2.28  | 1           |
| 661 |          | 19:21.8   | 09:06     | 44.49    | -2.52   | 0.008 | 4           |
| 662 |          | 18:57.3   | 12:24     | 44.65    | 4.34    | 0.416 | 1           |
| 663 | 335      | 19:36.9   | 07:34     | 44.91    | -6.54   | 0.005 | 6           |
| 664 |          | 19:20.9   | 09:46     | 44.97    | -2.01   | 0.183 | 4           |
| 665 |          | 18:39.8   | 14:53     | 44.99    | 9.26    | 0.077 | 3           |
| 666 |          | 18:40.8   | 15:03     | 45.25    | 9.11    | 0.131 | 4           |
| 667 |          | 19:05.3   | 12:05     | 45.25    | 2.45    | 2.63  | 3           |
| 668 | 338      | 19:43.4   | 07:22     | 45.53    | -8.05   | 0.037 | 3           |
| 669 | 128      | 19:02.3   | 12:49     | 45.58    | 3.44    | 1.28  | 4           |
| 670 |          | 19:42.4   | 07:37     | 45.62    | -7.71   | 0.168 | 2           |
| 671 |          | 19:37.4   | 08:27     | 45.75    | -6.23   | 0.102 | 2           |
| 672 |          | 19:47.4   | 07:07     | 45.79    | -9.04   | 0.687 | 1           |
| 673 |          | 19:20.9   | 11:16     | 46.29    | -1.3    | 0.199 | 6           |
| 674 |          | 19:28.4   | 10:26     | 46.44    | -3.32   | 0.458 | 1           |
| 675 |          | 19:24.0   | 11:06     | 46.51    | -2.05   | 0.003 | 6           |
| 676 |          | 19:21.5   | 11:31     | 46.6     | -1.33   | 0.006 | 6           |
| 677 |          | 19:22.3   | 11:34     | 46.73    | -1.48   | 0.006 | 6           |
| 678 |          | 19:44.4   | 08:37     | 46.75    | -7.66   | 0.05  | 4           |
| 679 |          | 19:13.3   | 12:45     | 46.75    | 1.03    | 0.936 | 3           |
| 680 |          | 19:44.7   | 08:38     | 46.8     | -7.71   | 0.007 | 5           |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 682        | 333            | 19:28.9          | 10:56            | 46.94           | -3.18          | 0.052       | 3                  |
| 683        |                | 19:21.3          | 11:56            | 46.94           | -1.09          | 0.104       | 3                  |
| 684        |                | 19:21.8          | 12:26            | 47.44           | -0.96          | 0.185       | 5                  |
| 685        |                | 19:29.9          | 11:26            | 47.49           | -3.16          | 0.037       | 2                  |
| 686        |                | 19:23.3          | 12:26            | 47.61           | -1.28          | 0.009       | 4                  |
| 687        |                | 19:38.6          | 10:25            | 47.63           | -5.53          | 0.006       | 5                  |
| 688        | 142            | 19:38.8          | 10:29            | 47.71           | -5.54          | 0.016       | 5                  |
| 689        |                | 19:40.4          | 10:17            | 47.73           | -5.98          | 0.057       | 4                  |
| 690        |                | 19:40.7          | 10:20            | 47.81           | -6.02          | 0.035       | 3                  |
| 691        |                | 19:29.3          | 11:56            | 47.87           | -2.81          | 0.063       | 2                  |
| 692        |                | 19:22.3          | 12:56            | 47.94           | -0.83          | 0.05        | 4                  |
| 693        |                | 19:10.3          | 14:30            | 47.96           | 2.49           | 17          | 2                  |
| 694        | 143            | 19:40.7          | 10:57            | 48.35           | -5.72          | 0.109       | 6                  |
| 695        |                | 19:44.4          | 10:27            | 48.36           | -6.76          | 0.351       | 1                  |
| 696        |                | 19:29.3          | 12:36            | 48.46           | -2.49          | 0.019       | 2                  |
| 697        |                | 19:02.3          | 16:04            | 48.48           | 4.93           | 0.561       | 2                  |
| 698        |                | 19:26.1          | 13:06            | 48.52           | -1.57          | 0.012       | 6                  |
| 699        |                | 19:29.3          | 12:46            | 48.61           | -2.41          | 0.02        | 2                  |
| 700        |                | 19:41.3          | 11:15            | 48.68           | -5.7           | 0.005       | 4                  |
| 701        | 334            | 19:34.9          | 12:17            | 48.83           | -3.85          | 0.016       | 4                  |
| 702        | 336            | 19:36.4          | 12:17            | 49.01           | -4.17          | 0.005       | 5                  |
| 703        |                | 19:47.6          | 10:50            | 49.09           | -7.25          | 0.02        | 2                  |
| 704        |                | 19:26.8          | 13:46            | 49.19           | -1.4           | 0.097       | 6                  |
| 705        | 337            | 19:36.8          | 12:27            | 49.2            | -4.17          | 0.086       | 4                  |
| 706        |                | 18:20.1          | 21:45            | 49.41           | 16.36          | 0.008       | 4                  |
| 707        | 340            | 19:48.7          | 11:28            | 49.76           | -7.18          | 0.024       | 5                  |
| 708        |                | 19:02.2          | 17:34            | 49.82           | 5.61           | 0.02        | 3                  |
| 709        |                | 19:14.3          | 16:25            | 50.11           | 2.53           | 0.002       | 6                  |
| 710        |                | 19:02.2          | 18:04            | 50.27           | 5.84           | 0.045       | 3                  |
| 711        |                | 19:02.2          | 18:04            | 50.27           | 5.84           | 6           | 1                  |
| 712        |                | 18:59.2          | 18:34            | 50.4            | 6.7            | 0.865       | 2                  |
| 713        |                | 19:12.2          | 17:05            | 50.48           | 3.26           | 4           | 3                  |
| 714        |                | 19:12.2          | 17:55            | 51.22           | 3.65           | 0.009       | 4                  |
| 715        |                | 19:05.2          | 19:05            | 51.49           | 5.66           | 0.115       | 3                  |
| 716        |                | 19:23.2          | 17:06            | 51.72           | 0.94           | 14          | 4                  |
| 717        |                | 19:16.2          | 18:00            | 51.73           | 2.84           | 0.147       | 5                  |
| 718        |                | 19:12.2          | 18:35            | 51.81           | 3.96           | 0.524       | 4                  |
| 719        |                | 19:03.2          | 19:44            | 51.87           | 6.38           | 0.088       | 2                  |
| 720        |                | 19:37.3          | 15:27            | 51.88           | -2.81          | 7           | 2                  |
| 721        |                | 19:31.3          | 16:41            | 52.27           | -0.94          | 19          | 3                  |
| 722        |                | 19:24.2          | 18:26            | 53              | 1.37           | 0.023       | 5                  |
| 723        |                | 19:18.2          | 19:14            | 53.03           | 3              | 0.01        | 5                  |
| 724        |                | 19:12.2          | 20:05            | 53.14           | 4.65           | 6           | 2                  |
| 725        |                | 19:28.2          | 18:10            | 53.22           | 0.4            | 0.005       | 5                  |
| 726        |                | 19:46.3          | 15:57            | 53.4            | -4.44          | 0.03        | 1                  |
| 727        |                | 19:31.2          | 18:16            | 53.65           | -0.17          | 0.018       | 4                  |
| 728        |                | 19:09.2          | 21:05            | 53.71           | 5.73           | 1           | 1                  |
| 729        |                | 19:40.3          | 17:17            | 53.85           | -2.55          | 0.023       | 5                  |
| 730        |                | 19:20.2          | 19:56            | 53.87           | 2.91           | 0.023       | 5                  |
| 731        |                | 19:38.2          | 17:37            | 53.89           | -1.95          | 0.27        | 4                  |
| 732        |                | 19:19.7          | 20:11            | 54.04           | 3.13           | 0.018       | 5                  |
| 733        |                | 19:44.3          | 17:07            | 54.17           | -3.44          | 0.398       | 2                  |
| 734        |                | 19:08.1          | 22:05            | 54.5            | 6.4            | 0.66        | 2                  |
| 735        |                | 19:22.2          | 20:26            | 54.54           | 2.73           | 0.019       | 5                  |
| 736        |                | 19:14.1          | 21:35            | 54.69           | 4.93           | 0.66        | 2                  |
| 737        |                | 19:40.2          | 18:17            | 54.7            | -2.03          | 0.077       | 4                  |
| 738        |                | 19:21.2          | 20:56            | 54.87           | 3.17           | 0.062       | 2                  |
| 739        |                | 19:24.2          | 20:36            | 54.91           | 2.4            | 0.384       | 3                  |
| 740        |                | 19:28.2          | 20:06            | 54.92           | 1.33           | 3.8         | 2                  |
| 741        |                | 19:21.2          | 21:06            | 55.01           | 3.25           | 7           | 4                  |
| 742        |                | 19:33.2          | 19:37            | 55.05           | 0.06           | 0.047       | 4                  |
| 743        |                | 19:38.4          | 18:57            | 55.07           | -1.33          | 0.014       | 4                  |
| 744        |                | 19:19.4          | 21:26            | 55.12           | 3.76           | 0.027       | 4                  |
| 745        |                | 19:48.2          | 17:48            | 55.23           | -3.93          | 0.49        | 2                  |
| 746        |                | 19:22.2          | 21:18            | 55.3            | 3.14           | 0.035       | 4                  |
| 747        |                | 19:41.2          | 18:52            | 55.33           | -1.95          | 0.017       | 4                  |
| 748        |                | 19:25.2          | 21:06            | 55.46           | 2.43           | 0.57        | 2                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 750        |                | 19:18.1          | 22:06            | 55.57           | 4.34           | 8           | 2                  |
| 751        |                | 19:21.0          | 21:45            | 55.58           | 3.58           | 0.003       | 4                  |
| 752        |                | 19:38.9          | 19:32            | 55.64           | -1.15          | 0.012       | 4                  |
| 753        |                | 19:48.2          | 18:18            | 55.66           | -3.68          | 0.005       | 5                  |
| 754        |                | 19:47.2          | 18:42            | 55.9            | -3.26          | 0.008       | 4                  |
| 755        |                | 19:27.2          | 21:26            | 55.97           | 2.18           | 0.167       | 3                  |
| 756        |                | 19:27.7          | 21:26            | 56.03           | 2.08           | 0.007       | 4                  |
| 757        |                | 19:42.2          | 19:34            | 56.05           | -1.81          | 0.033       | 4                  |
| 758        |                | 19:46.7          | 18:57            | 56.05           | -3.03          | 0.029       | 5                  |
| 759        |                | 19:10.1          | 24:05            | 56.5            | 6.89           | 0.358       | 1                  |
| 760        |                | 19:30.2          | 21:51            | 56.68           | 1.77           | 0.01        | 3                  |
| 761        |                | 19:36.2          | 21:07            | 56.7            | 0.18           | 0.116       | 5                  |
| 762        |                | 19:19.9          | 23:11            | 56.73           | 4.48           | 0.01        | 4                  |
| 763        |                | 19:18.6          | 23:26            | 56.81           | 4.86           | 0.008       | 6                  |
| 764        |                | 19:19.1          | 23:26            | 56.86           | 4.76           | 0.079       | 3                  |
| 765        |                | 19:44.2          | 20:17            | 56.91           | -1.85          | 0.04        | 4                  |
| 766        |                | 19:49.2          | 19:38            | 56.93           | -3.21          | 1.04        | 2                  |
| 767        |                | 19:25.1          | 22:46            | 56.93           | 3.22           | 0.201       | 3                  |
| 768        |                | 19:28.1          | 22:36            | 57.11           | 2.54           | 0.111       | 4                  |
| 769        |                | 19:24.1          | 23:06            | 57.11           | 3.59           | 0.016       | 6                  |
| 770        |                | 19:32.1          | 22:06            | 57.12           | 1.49           | 0.344       | 2                  |
| 771        |                | 19:20.7          | 23:32            | 57.12           | 4.48           | 0.005       | 6                  |
| 772        |                | 19:25.1          | 23:06            | 57.22           | 3.38           | 0.068       | 4                  |
| 773        |                | 19:22.5          | 23:26            | 57.23           | 4.07           | 0.004       | 4                  |
| 774        |                | 19:22.9          | 23:26            | 57.27           | 3.99           | 0.002       | 5                  |
| 775        |                | 19:23.6          | 23:26            | 57.35           | 3.85           | 0.025       | 4                  |
| 776        |                | 19:35.1          | 22:07            | 57.46           | 0.88           | 0.529       | 2                  |
| 777        |                | 19:12.1          | 25:05            | 57.61           | 6.94           | 0.226       | 1                  |
| 778        |                | 19:27.1          | 23:41            | 57.95           | 3.26           | 0.043       | 6                  |
| 779        |                | 19:30.1          | 23:21            | 57.99           | 2.49           | 0.14        | 3                  |
| 780        |                | 19:14.1          | 25:25            | 58.12           | 6.69           | 0.127       | 2                  |
| 781        |                | 19:28.1          | 23:46            | 58.14           | 3.1            | 0.047       | 3                  |
| 782        |                | 19:28.1          | 23:56            | 58.28           | 3.18           | 0.01        | 5                  |
| 783        |                | 19:27.1          | 24:06            | 58.32           | 3.46           | 0.05        | 3                  |
| 784        |                | 19:29.1          | 24:06            | 58.54           | 3.06           | 0.391       | 2                  |
| 785        |                | 19:34.1          | 24:07            | 59.09           | 2.06           | 0.007       | 3                  |
| 786        |                | 19:31.6          | 24:26            | 59.11           | 2.72           | 0.038       | 3                  |
| 787        |                | 19:53.2          | 22:08            | 59.56           | -2.73          | 24          | 2                  |
| 788        |                | 19:33.6          | 24:47            | 59.62           | 2.48           | 0.007       | 3                  |
| 789        |                | 19:49.6          | 23:38            | 60.43           | -1.26          | 0.014       | 3                  |
| 790        |                | 19:35.1          | 25:42            | 60.59           | 2.63           | 0.005       | 4                  |
| 791        |                | 19:49.6          | 23:58            | 60.72           | -1.09          | 0.095       | 4                  |
| 792        |                | 19:37.1          | 25:42            | 60.81           | 2.24           | 0.145       | 4                  |
| 793        |                | 19:39.6          | 25:27            | 60.87           | 1.63           | 0.066       | 3                  |
| 794        |                | 19:37.1          | 26:37            | 61.61           | 2.69           | 0.278       | 1                  |
| 795        |                | 19:37.1          | 26:37            | 61.61           | 2.69           | 0.278       | 1                  |
| 796        |                | 19:44.1          | 26:22            | 62.17           | 1.21           | 0.014       | 4                  |
| 797        |                | 20:05.6          | 23:29            | 62.22           | -4.48          | 0.013       | 3                  |
| 798        |                | 19:47.1          | 26:07            | 62.29           | 0.5            | 2.5         | 3                  |
| 799        |                | 19:42.6          | 26:57            | 62.5            | 1.79           | 0.026       | 4                  |
| 800        |                | 19:44.1          | 26:47            | 62.53           | 1.42           | 0.036       | 4                  |
| 801        |                | 20:03.4          | 24:19            | 62.65           | -3.61          | 0.041       | 3                  |
| 802        |                | 19:59.7          | 24:58            | 62.77           | -2.54          | 0.005       | 4                  |
| 803        |                | 19:42.3          | 27:17            | 62.77           | 1.99           | 0.019       | 4                  |
| 804        |                | 19:42.8          | 27:15            | 62.8            | 1.88           | 0.018       | 4                  |
| 805        |                | 20:01.6          | 24:45            | 62.81           | -3.02          | 0.005       | 4                  |
| 806        |                | 19:44.4          | 27:07            | 62.85           | 1.52           | 0.006       | 4                  |
| 807        |                | 19:43.6          | 27:22            | 62.99           | 1.79           | 0.025       | 4                  |
| 808        |                | 19:45.0          | 27:17            | 63.07           | 1.47           | 0.014       | 4                  |
| 809        |                | 20:04.1          | 25:09            | 63.44           | -3.3           | 2.2         | 1                  |
| 810        |                | 19:45.0          | 27:57            | 63.65           | 1.81           | 0.047       | 4                  |
| 811        |                | 19:40.0          | 28:52            | 63.89           | 3.22           | 0.253       | 1                  |
| 812        |                | 19:45.0          | 28:32            | 64.15           | 2.1            | 0.145       | 3                  |
| 813        |                | 19:43.0          | 29:07            | 64.44           | 2.78           | 0.224       | 3                  |
| 814        |                | 20:04.1          | 26:44            | 64.78           | -2.45          | 0.032       | 3                  |
| 815        |                | 19:47.0          | 29:07            | 64.88           | 2.02           | 2.32        | 3                  |
| 816        |                | 19:36.0          | 30:32            | 64.92           | 4.8            | 0.025       | 1                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 818        |                | 20:17.1          | 26:09            | 65.89           | -5.2           | 10          | 1                  |
| 819        |                | 19:48.0          | 30:23            | 66.07           | 2.47           | 0.118       | 2                  |
| 820        |                | 19:45.0          | 30:57            | 66.24           | 3.32           | 0.378       | 3                  |
| 821        |                | 19:37.1          | 32:27            | 66.73           | 5.51           | 0.007       | 3                  |
| 822        |                | 19:46.9          | 32:07            | 67.47           | 3.54           | 2.41        | 1                  |
| 823        |                | 20:09.0          | 30:09            | 68.25           | -1.52          | 1.44        | 2                  |
| 824        |                | 20:16.0          | 29:24            | 68.47           | -3.2           | 0.212       | 4                  |
| 825        |                | 19:51.9          | 33:08            | 68.87           | 3.14           | 2.05        | 3                  |
| 826        |                | 19:48.9          | 33:33            | 68.91           | 3.89           | 0.055       | 3                  |
| 827        |                | 20:18.0          | 29:42            | 68.96           | -3.4           | 0.055       | 4                  |
| 828        |                | 19:50.9          | 33:33            | 69.12           | 3.53           | 0.019       | 3                  |
| 829        |                | 19:53.2          | 33:27            | 69.28           | 3.07           | 0.011       | 4                  |
| 830        |                | 19:51.9          | 33:47            | 69.43           | 3.47           | 0.015       | 3                  |
| 831        |                | 19:53.9          | 33:43            | 69.59           | 3.08           | 0.012       | 4                  |
| 832        |                | 19:54.9          | 33:46            | 69.74           | 2.93           | 0.022       | 4                  |
| 833        |                | 19:54.9          | 33:48            | 69.77           | 2.95           | 1.5         | 2                  |
| 834        |                | 19:53.9          | 34:24            | 70.17           | 3.44           | 0.015       | 4                  |
| 835        |                | 19:53.4          | 34:41            | 70.36           | 3.67           | 0.014       | 3                  |
| 836        |                | 19:53.4          | 34:43            | 70.39           | 3.69           | 0.012       | 4                  |
| 837        |                | 20:23.9          | 30:47            | 70.57           | -3.84          | 0.008       | 4                  |
| 838        |                | 20:24.0          | 30:47            | 70.58           | -3.85          | 0.008       | 4                  |
| 839        |                | 19:59.9          | 34:08            | 70.59           | 2.24           | 1.4         | 1                  |
| 840        |                | 19:54.3          | 35:08            | 70.84           | 3.75           | 0.11        | 3                  |
| 841        |                | 20:11.0          | 33:09            | 70.99           | -0.23          | 30          | 3                  |
| 842        |                | 20:20.0          | 32:00            | 71.09           | -2.46          | 0.016       | 4                  |
| 843        |                | 20:20.7          | 31:56            | 71.12           | -2.62          | 0.007       | 4                  |
| 844        |                | 20:30.4          | 30:40            | 71.29           | -5.04          | 0.02        | 3                  |
| 845        |                | 20:05.0          | 34:22            | 71.34           | 1.46           | 0.2         | 2                  |
| 846        |                | 20:42.1          | 29:11            | 71.6            | -7.96          | 3           | 1                  |
| 847        | 341            | 20:01.9          | 35:08            | 71.66           | 2.42           | 3           | 3                  |
| 848        |                | 20:05.3          | 34:52            | 71.8            | 1.68           | 0.011       | 4                  |
| 849        |                | 20:04.6          | 35:07            | 71.93           | 1.94           | 0.011       | 4                  |
| 850        |                | 20:11.9          | 34:09            | 71.94           | 0.15           | 0.8         | 1                  |
| 851        |                | 20:30.3          | 31:40            | 72.09           | -4.44          | 0.02        | 3                  |
| 852        |                | 20:05.9          | 35:09            | 72.1            | 1.73           | 0.03        | 3                  |
| 853        | 147            | 20:06.9          | 35:14            | 72.28           | 1.6            | 0.002       | 5                  |
| 854        |                | 19:57.8          | 36:23            | 72.29           | 3.77           | 0.108       | 2                  |
| 855        |                | 19:58.5          | 36:23            | 72.37           | 3.65           | 0.008       | 3                  |
| 856        |                | 20:08.2          | 35:11            | 72.39           | 1.35           | 0.015       | 3                  |
| 857        | 144            | 20:01.9          | 36:08            | 72.51           | 2.95           | 0.8         | 1                  |
| 858        |                | 20:11.1          | 34:57            | 72.52           | 0.73           | 0.2         | 4                  |
| 859        |                | 20:31.4          | 32:20            | 72.77           | -4.23          | 0.015       | 4                  |
| 860        | 146            | 20:04.9          | 36:04            | 72.76           | 2.4            | 0.001       | 6                  |
| 861        |                | 20:00.4          | 36:46            | 72.9            | 3.53           | 0.005       | 3                  |
| 862        |                | 20:06.8          | 36:59            | 73.75           | 2.55           | 0.8         | 1                  |
| 863        |                | 20:07.7          | 37:07            | 73.96           | 2.47           | 0.005       | 4                  |
| 864        |                | 20:42.0          | 32:11            | 73.99           | -6.12          | 5           | 3                  |
| 865        | 145            | 20:04.2          | 37:47            | 74.15           | 3.42           | 0.075       | 4                  |
| 866        |                | 20:07.1          | 37:47            | 74.46           | 2.94           | 0.172       | 3                  |
| 867        |                | 19:59.9          | 38:43            | 74.51           | 4.64           | 0.011       | 3                  |
| 868        |                | 20:47.0          | 32:11            | 74.65           | -6.96          | 0.654       | 2                  |
| 869        |                | 19:59.8          | 39:28            | 75.14           | 5.05           | 0.034       | 1                  |
| 870        |                | 20:37.0          | 35:11            | 75.74           | -3.47          | 25          | 2                  |
| 871        |                | 20:05.8          | 39:49            | 76.04           | 4.25           | 0.068       | 2                  |
| 872        |                | 20:01.7          | 40:28            | 76.19           | 5.25           | 0.083       | 1                  |
| 873        |                | 20:41.0          | 35:11            | 76.24           | -4.12          | 0.98        | 1                  |
| 874        |                | 20:42.0          | 35:11            | 76.37           | -4.28          | 0.98        | 1                  |
| 875        |                | 20:07.8          | 39:59            | 76.38           | 4.01           | 0.004       | 3                  |
| 876        |                | 20:09.3          | 39:54            | 76.47           | 3.73           | 0.029       | 3                  |
| 877        |                | 20:14.3          | 39:54            | 77              | 2.93           | 0.007       | 6                  |
| 878        |                | 20:08.8          | 40:40            | 77.06           | 4.23           | 0.003       | 4                  |
| 879        |                | 20:20.8          | 39:20            | 77.23           | 1.56           | 0.004       | 5                  |
| 880        | 343            | 20:13.8          | 40:19            | 77.3            | 3.24           | 0.015       | 5                  |
| 881        |                | 20:17.8          | 39:49            | 77.31           | 2.32           | 0.005       | 6                  |
| 882        |                | 20:19.3          | 39:39            | 77.34           | 1.99           | 0.002       | 5                  |
| 883        |                | 20:19.8          | 39:40            | 77.39           | 1.91           | 0.003       | 5                  |
| 884        |                | 20:05.7          | 41:29            | 77.45           | 5.14           | 1.23        | 2                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 886        |                | 20:18.8          | 39:59            | 77.56           | 2.26           | 1.05        | 2                  |
| 887        |                | 20:03.7          | 42:29            | 78.1            | 5.99           | 0.019       | 4                  |
| 888        | 344            | 20:18.8          | 40:39            | 78.11           | 2.64           | 4.46        | 3                  |
| 889        |                | 20:24.8          | 40:10            | 78.35           | 1.41           | 0.8         | 4                  |
| 890        |                | 20:03.7          | 42:54            | 78.45           | 6.21           | 0.054       | 3                  |
| 891        |                | 20:13.7          | 41:59            | 78.69           | 4.16           | 0.011       | 4                  |
| 892        |                | 20:15.7          | 41:49            | 78.75           | 3.76           | 0.054       | 4                  |
| 893        |                | 20:12.7          | 42:14            | 78.79           | 4.45           | 0.034       | 3                  |
| 894        |                | 20:15.7          | 41:54            | 78.82           | 3.81           | 0.004       | 4                  |
| 895        |                | 20:15.7          | 42:39            | 79.45           | 4.22           | 5.64        | 2                  |
| 896        |                | 20:41.9          | 39:41            | 79.91           | -1.5           | 0.028       | 5                  |
| 897        |                | 20:24.7          | 42:10            | 79.98           | 2.57           | 0.111       | 4                  |
| 898        |                | 20:41.9          | 39:51            | 80.04           | -1.4           | 0.07        | 4                  |
| 899        |                | 20:23.7          | 42:40            | 80.29           | 3.01           | 0.018       | 4                  |
| 900        |                | 20:24.7          | 42:45            | 80.46           | 2.91           | 0.016       | 4                  |
| 901        |                | 20:21.5          | 43:20            | 80.6            | 3.72           | 0.006       | 4                  |
| 902        |                | 20:21.7          | 43:20            | 80.62           | 3.69           | 0.001       | 5                  |
| 903        |                | 20:08.6          | 45:04            | 80.78           | 6.61           | 0.005       | 5                  |
| 904        |                | 20:52.9          | 39:11            | 80.87           | -3.47          | 8           | 1                  |
| 905        |                | 20:09.6          | 45:19            | 81.09           | 6.59           | 0.018       | 4                  |
| 906        | 348; 346; 349  | 20:36.8          | 42:11            | 81.31           | 0.78           | 15.78       | 3                  |
| 907        |                | 20:45.2          | 41:01            | 81.36           | -1.18          | 0.047       | 3                  |
| 908        |                | 20:19.6          | 45:10            | 81.93           | 5.03           | 0.366       | 3                  |
| 909        |                | 20:19.6          | 45:10            | 81.93           | 5.03           | 3.84        | 3                  |
| 910        |                | 20:19.6          | 45:20            | 82.07           | 5.13           | 0.011       | 4                  |
| 911        |                | 20:40.8          | 42:56            | 82.35           | 0.65           | 0.013       | 4                  |
| 912        |                | 21:08.0          | 38:42            | 82.42           | -6             | 0.8         | 1                  |
| 913        |                | 20:24.3          | 45:20            | 82.53           | 4.46           | 0.011       | 4                  |
| 914        |                | 20:51.8          | 41:41            | 82.66           | -1.72          | 5.21        | 3                  |
| 915        |                | 20:45.4          | 43:06            | 83.01           | 0.09           | 0.007       | 6                  |
| 916        |                | 20:57.9          | 41:12            | 83.01           | -2.9           | 1.44        | 2                  |
| 917        |                | 20:40.2          | 44:09            | 83.26           | 1.47           | 0.001       | 6                  |
| 918        |                | 20:40.9          | 44:06            | 83.29           | 1.34           | 0.004       | 6                  |
| 919        |                | 20:32.7          | 45:17            | 83.36           | 3.23           | 0.001       | 5                  |
| 920        |                | 20:32.7          | 45:20            | 83.4            | 3.26           | 0.001       | 5                  |
| 921        |                | 20:33.2          | 45:16            | 83.4            | 3.15           | 0.002       | 5                  |
| 922        |                | 20:38.7          | 44:36            | 83.45           | 1.96           | 0.005       | 6                  |
| 923        |                | 20:34.7          | 45:10            | 83.48           | 2.88           | 0.054       | 3                  |
| 925        |                | 20:33.7          | 45:20            | 83.51           | 3.12           | 0.002       | 5                  |
| 926        |                | 20:35.4          | 45:19            | 83.67           | 2.87           | 0.002       | 5                  |
| 927        |                | 21:03.9          | 41:06            | 83.69           | -3.82          | 0.025       | 4                  |
| 928        |                | 20:41.0          | 44:36            | 83.7            | 1.63           | 0.003       | 6                  |
| 929        |                | 20:35.7          | 45:20            | 83.72           | 2.84           | 0.002       | 5                  |
| 930        |                | 20:36.9          | 45:21            | 83.85           | 2.67           | 0.002       | 5                  |
| 931        |                | 20:47.8          | 43:51            | 83.87           | 0.23           | 0.013       | 5                  |
| 932        |                | 21:05.9          | 41:52            | 84.51           | -3.58          | 0.004       | 4                  |
| 933        |                | 20:52.8          | 44:11            | 84.7            | -0.26          | 0.132       | 1                  |
| 934        |                | 21:07.1          | 42:07            | 84.85           | -3.58          | 0.011       | 4                  |
| 935        | 152            | 20:56.8          | 43:52            | 84.91           | -1.02          | 2.25        | 4                  |
| 936        |                | 20:51.7          | 45:11            | 85.35           | 0.52           | 0.914       | 2                  |
| 937        |                | 21:09.9          | 42:27            | 85.45           | -3.74          | 8.13        | 3                  |
| 938        |                | 21:08.9          | 42:42            | 85.5            | -3.43          | 0.316       | 3                  |
| 939        |                | 20:31.1          | 48:10            | 85.54           | 5.15           | 20          | 1                  |
| 940        |                | 20:53.7          | 45:35            | 85.88           | 0.51           | 0.151       | 2                  |
| 941        | 153            | 20:56.7          | 45:50            | 86.4            | 0.26           | 0.105       | 5                  |
| 942        |                | 21:16.4          | 43:13            | 86.82           | -4.08          | 0.006       | 5                  |
| 943        |                | 21:16.7          | 43:24            | 86.99           | -4             | 0.009       | 3                  |
| 944        |                | 21:17.7          | 43:18            | 87.04           | -4.2           | 0.002       | 6                  |
| 945        |                | 20:57.7          | 46:32            | 87.04           | 0.59           | 0.16        | 2                  |
| 946        |                | 21:19.0          | 43:28            | 87.33           | -4.25          | 0.001       | 5                  |
| 947        |                | 21:20.0          | 43:19            | 87.35           | -4.48          | 0.008       | 5                  |
| 948        |                | 21:20.7          | 43:15            | 87.4            | -4.62          | 0.001       | 5                  |
| 949        |                | 21:19.4          | 43:32            | 87.43           | -4.25          | 0.014       | 5                  |
| 950        | 356            | 21:00.5          | 46:37            | 87.42           | 0.28           | 0.112       | 5                  |
| 951        |                | 21:21.1          | 43:19            | 87.49           | -4.63          | 0.005       | 6                  |
| 952        |                | 21:20.5          | 43:28            | 87.52           | -4.44          | 0.001       | 5                  |
| 953        |                | 21:21.4          | 43:23            | 87.58           | -4.62          | 0.001       | 6                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 955        |                | 20:57.7          | 47:52            | 88.05           | 1.47           | 0.081       | 3                  |
| 956        |                | 21:11.6          | 45:58            | 88.23           | -1.56          | 0.003       | 5                  |
| 957        |                | 21:00.7          | 47:47            | 88.32           | 1.03           | 0.256       | 1                  |
| 958        |                | 20:59.0          | 48:07            | 88.38           | 1.47           | 0.012       | 5                  |
| 959        |                | 21:11.8          | 46:32            | 88.67           | -1.2           | 0.079       | 1                  |
| 960        |                | 21:08.5          | 47:10            | 88.75           | -0.36          | 0.003       | 5                  |
| 961        |                | 21:08.8          | 47:14            | 88.84           | -0.36          | 0.006       | 5                  |
| 962        |                | 21:01.7          | 48:22            | 88.87           | 1.29           | 0.666       | 2                  |
| 963        |                | 21:13.8          | 46:32            | 88.91           | -1.45          | 0.104       | 3                  |
| 964        |                | 21:09.5          | 47:22            | 89.02           | -0.35          | 0.006       | 5                  |
| 965        |                | 21:19.8          | 45:53            | 89.16           | -2.66          | 0.43        | 3                  |
| 966        |                | 21:00.2          | 49:02            | 89.2            | 1.92           | 0.172       | 4                  |
| 967        |                | 21:10.2          | 47:34            | 89.24           | -0.3           | 0.156       | 3                  |
| 968        |                | 21:22.5          | 45:33            | 89.26           | -3.23          | 0.014       | 2                  |
| 969        |                | 21:33.9          | 43:35            | 89.37           | -6.04          | 0.018       | 3                  |
| 970        | 361            | 21:12.8          | 47:22            | 89.39           | -0.75          | 0.123       | 4                  |
| 971        |                | 21:00.8          | 49:19            | 89.49           | 2.02           | 0.01        | 5                  |
| 972        |                | 21:21.3          | 46:08            | 89.52           | -2.67          | 0.05        | 4                  |
| 973        | 159            | 21:37.4          | 43:14            | 89.6            | -6.74          | 0.029       | 5                  |
| 974        |                | 21:19.3          | 46:38            | 89.63           | -2.07          | 0.192       | 4                  |
| 975        |                | 21:11.7          | 47:52            | 89.64           | -0.28          | 0.075       | 5                  |
| 976        |                | 21:24.1          | 46:01            | 89.79           | -3.09          | 0           | 2                  |
| 977        |                | 21:39.0          | 43:14            | 89.8            | -6.93          | 0.034       | 4                  |
| 978        |                | 21:01.1          | 49:42            | 89.81           | 2.24           | 0.2         | 5                  |
| 979        |                | 21:39.5          | 43:22            | 89.96           | -6.89          | 0.002       | 5                  |
| 980        |                | 21:24.8          | 46:13            | 90.02           | -3.03          | 0           | 1                  |
| 981        |                | 20:59.6          | 50:12            | 90.03           | 2.75           | 0.033       | 6                  |
| 982        |                | 21:02.4          | 49:55            | 90.11           | 2.23           | 0.019       | 5                  |
| 983        | 156; 155       | 21:32.4          | 45:03            | 90.17           | -4.78          | 0.068       | 3                  |
| 984        |                | 21:01.6          | 50:12            | 90.24           | 2.51           | 0.056       | 4                  |
| 985        |                | 20:59.1          | 50:35            | 90.26           | 3.06           | 0.033       | 4                  |
| 986        |                | 21:32.4          | 45:13            | 90.28           | -4.66          | 0.079       | 2                  |
| 987        |                | 21:00.8          | 50:41            | 90.52           | 2.93           | 0.009       | 5                  |
| 988        |                | 21:04.6          | 50:12            | 90.56           | 2.15           | 0.21        | 1                  |
| 989        |                | 21:21.8          | 47:33            | 90.58           | -1.72          | 1.4         | 3                  |
| 990        |                | 20:58.9          | 51:17            | 90.77           | 3.55           | 0.051       | 5                  |
| 991        |                | 21:02.3          | 50:53            | 90.82           | 2.88           | 0.016       | 5                  |
| 992        |                | 20:54.5          | 52:01            | 90.9            | 4.55           | 0.08        | 3                  |
| 993        |                | 21:26.6          | 47:25            | 91.07           | -2.38          | 0.001       | 4                  |
| 994        |                | 21:26.0          | 47:39            | 91.16           | -2.14          | 0.009       | 3                  |
| 995        |                | 21:26.7          | 47:31            | 91.15           | -2.32          | 0.001       | 4                  |
| 996        |                | 20:57.5          | 51:57            | 91.14           | 4.14           | 0.08        | 5                  |
| 997        |                | 21:26.6          | 47:41            | 91.26           | -2.19          | 0.001       | 5                  |
| 998        |                | 21:04.1          | 51:12            | 91.25           | 2.88           | 0.172       | 4                  |
| 999        |                | 21:07.6          | 50:42            | 91.25           | 2.14           | 7.2         | 1                  |
| 1000       |                | 21:06.6          | 50:52            | 91.27           | 2.37           | 0.255       | 1                  |
| 1001       |                | 21:27.3          | 47:41            | 91.34           | -2.27          | 0.001       | 5                  |
| 1002       |                | 20:56.5          | 52:42            | 91.61           | 4.74           | 1.97        | 2                  |
| 1003       |                | 20:59.5          | 52:22            | 91.66           | 4.18           | 0.079       | 5                  |
| 1004       |                | 21:01.5          | 52:22            | 91.86           | 3.95           | 0.174       | 4                  |
| 1005       |                | 21:13.7          | 50:42            | 91.91           | 1.44           | 7           | 3                  |
| 1006       |                | 21:31.3          | 47:48            | 91.91           | -2.65          | 0.039       | 3                  |
| 1007       | 363            | 21:25.3          | 48:53            | 91.93           | -1.17          | 0.153       | 3                  |
| 1008       |                | 21:26.8          | 49:03            | 92.22           | -1.22          | 0.013       | 5                  |
| 1009       |                | 21:33.8          | 47:53            | 92.28           | -2.87          | 0.061       | 4                  |
| 1010       |                | 21:38.9          | 47:04            | 92.36           | -4.06          | 0.182       | 4                  |
| 1011       |                | 21:06.6          | 52:22            | 92.38           | 3.38           | 0.078       | 4                  |
| 1012       |                | 21:34.1          | 48:06            | 92.47           | -2.74          | 0.021       | 4                  |
| 1013       |                | 21:00.5          | 53:22            | 92.51           | 4.72           | 0.048       | 5                  |
| 1014       |                | 21:24.0          | 50:00            | 92.57           | -0.23          | 0.004       | 6                  |
| 1015       |                | 21:00.5          | 53:32            | 92.64           | 4.83           | 0.049       | 5                  |
| 1016       |                | 21:19.8          | 51:01            | 92.8            | 0.96           | 0.003       | 5                  |
| 1017       | 362            | 21:25.3          | 50:10            | 92.83           | -0.26          | 0.027       | 5                  |
| 1018       |                | 21:04.5          | 53:17            | 92.85           | 4.22           | 0.016       | 5                  |
| 1019       |                | 21:21.0          | 50:57            | 92.89           | 0.78           | 0.003       | 5                  |
| 1020       |                | 21:42.9          | 47:14            | 92.98           | -4.38          | 0.136       | 3                  |
| 1021       |                | 21:21.6          | 51:02            | 93.01           | 0.77           | 0.001       | 6                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1023       |                | 20:58.5          | 54:22            | 93.08           | 5.6            | 0.28        | 2                  |
| 1024       |                | 21:42.3          | 47:32            | 93.1            | -4.09          | 0.011       | 5                  |
| 1026       |                | 21:01.5          | 54:02            | 93.11           | 5.05           | 0.048       | 5                  |
| 1027       |                | 21:06.5          | 53:22            | 93.12           | 4.05           | 0.026       | 5                  |
| 1028       |                | 21:05.5          | 53:32            | 93.14           | 4.28           | 0.055       | 4                  |
| 1029       |                | 21:01.5          | 54:12            | 93.24           | 5.16           | 10          | 3                  |
| 1030       |                | 21:46.5          | 47:06            | 93.37           | -4.88          | 0.031       | 4                  |
| 1031       |                | 21:45.9          | 47:14            | 93.37           | -4.71          | 0.02        | 5                  |
| 1032       |                | 21:03.5          | 54:07            | 93.37           | 4.89           | 0.043       | 4                  |
| 1033       |                | 20:37.2          | 57:11            | 93.44           | 9.69           | 0.714       | 3                  |
| 1034       |                | 21:05.5          | 54:02            | 93.51           | 4.61           | 0.045       | 4                  |
| 1035       |                | 21:44.7          | 47:44            | 93.54           | -4.2           | 0.109       | 5                  |
| 1036       |                | 20:38.2          | 57:11            | 93.52           | 9.58           | 0.088       | 5                  |
| 1037       |                | 20:54.4          | 55:26            | 93.53           | 6.75           | 0.591       | 3                  |
| 1038       |                | 20:46.3          | 56:21            | 93.53           | 8.2            | 0.66        | 2                  |
| 1039       |                | 20:42.3          | 56:51            | 93.58           | 8.94           | 0.079       | 4                  |
| 1040       |                | 21:46.6          | 47:44            | 93.79           | -4.4           | 0.016       | 4                  |
| 1041       |                | 20:38.2          | 57:31            | 93.79           | 9.78           | 0.022       | 5                  |
| 1042       |                | 21:49.2          | 47:24            | 93.92           | -4.94          | 0.015       | 5                  |
| 1043       |                | 21:39.8          | 49:14            | 93.92           | -2.54          | 1.148       | 2                  |
| 1044       |                | 20:41.2          | 57:21            | 93.9            | 9.35           | 0.006       | 5                  |
| 1045       |                | 21:48.4          | 47:39            | 93.97           | -4.66          | 0.018       | 4                  |
| 1046       |                | 21:43.3          | 48:44            | 94.03           | -3.3           | 0.088       | 3                  |
| 1047       |                | 21:48.1          | 47:52            | 94.07           | -4.46          | 0.005       | 5                  |
| 1048       |                | 21:35.3          | 50:20            | 94.11           | -1.22          | 0.069       | 3                  |
| 1049       |                | 20:42.2          | 57:31            | 94.12           | 9.35           | 0.005       | 6                  |
| 1050       |                | 21:05.5          | 54:52            | 94.13           | 5.17           | 0.09        | 4                  |
| 1051       |                | 20:42.7          | 57:31            | 94.16           | 9.29           | 0.01        | 5                  |
| 1052       |                | 21:47.9          | 48:08            | 94.21           | -4.24          | 0.018       | 5                  |
| 1053       | 357            | 20:59.4          | 55:42            | 94.18           | 6.37           | 0.033       | 5                  |
| 1054       |                | 21:34.8          | 50:43            | 94.31           | -0.88          | 6           | 2                  |
| 1055       | 168            | 21:53.2          | 47:12            | 94.32           | -5.53          | 0.199       | 3                  |
| 1056       |                | 20:58.4          | 56:02            | 94.35           | 6.69           | 0.036       | 2                  |
| 1057       |                | 21:43.8          | 49:34            | 94.63           | -2.71          | 0.053       | 4                  |
| 1058       |                | 21:02.4          | 56:02            | 94.72           | 6.27           | 0.869       | 3                  |
| 1059       |                | 21:40.8          | 50:44            | 95.02           | -1.51          | 0.059       | 3                  |
| 1060       |                | 21:11.5          | 55:17            | 95.02           | 4.82           | 0.031       | 4                  |
| 1061       | 354            | 20:58.3          | 57:22            | 95.36           | 7.56           | 0.618       | 2                  |
| 1062       |                | 21:13.5          | 55:32            | 95.4            | 4.79           | 0.003       | 5                  |
| 1063       | 360            | 21:07.4          | 56:22            | 95.44           | 5.97           | 0.025       | 5                  |
| 1064       |                | 21:13.5          | 55:37            | 95.46           | 4.85           | 0.001       | 5                  |
| 1065       | 151            | 21:07.4          | 56:32            | 95.56           | 6.09           | 0.023       | 5                  |
| 1066       |                | 21:47.8          | 50:44            | 95.87           | -2.23          | 0.208       | 3                  |
| 1067       |                | 21:09.4          | 56:42            | 95.87           | 6              | 0.012       | 5                  |
| 1068       | 359            | 21:06.3          | 57:07            | 95.89           | 6.59           | 0.027       | 5                  |
| 1069       |                | 21:08.4          | 56:52            | 95.9            | 6.21           | 0.018       | 4                  |
| 1070       | 164            | 21:46.8          | 51:04            | 95.96           | -1.87          | 0.05        | 5                  |
| 1071       |                | 20:58.3          | 58:12            | 96              | 8.1            | 0.092       | 5                  |
| 1072       |                | 21:16.5          | 56:13            | 96.18           | 4.95           | 1.51        | 2                  |
| 1073       |                | 21:48.3          | 51:24            | 96.36           | -1.77          | 0.162       | 2                  |
| 1074       | 364            | 21:34.7          | 53:53            | 96.43           | 1.47           | 0.027       | 5                  |
| 1075       | 157            | 21:31.6          | 54:23            | 96.44           | 2.14           | 0.145       | 4                  |
| 1076       | 149; 148       | 20:49.3          | 59:51            | 96.57           | 10.04          | 0.008       | 5                  |
| 1077       |                | 21:37.7          | 53:44            | 96.65           | 1.05           | 0.002       | 5                  |
| 1078       |                | 21:36.7          | 54:04            | 96.76           | 1.4            | 0.018       | 5                  |
| 1079       |                | 21:32.6          | 54:43            | 96.77           | 2.28           | 0.011       | 5                  |
| 1080       | 154            | 21:21.5          | 56:33            | 96.91           | 4.69           | 0.001       | 5                  |
| 1081       |                | 21:36.6          | 54:24            | 96.98           | 1.64           | 0.584       | 2                  |
| 1082       | 150            | 20:51.1          | 60:11            | 96.98           | 10.07          | 0.111       | 5                  |
| 1083       |                | 21:33.6          | 55:58            | 97.72           | 3.11           | 0.761       | 3                  |
| 1084       |                | 21:41.7          | 54:54            | 97.86           | 1.54           | 0.099       | 4                  |
| 1085       |                | 21:33.5          | 56:45            | 98.25           | 3.69           | 0.01        | 4                  |
| 1086       |                | 21:28.5          | 57:33            | 98.3            | 4.74           | 0.095       | 4                  |
| 1087       |                | 21:35.6          | 56:33            | 98.32           | 3.35           | 0.013       | 5                  |
| 1088       | 160            | 21:38.6          | 56:14            | 98.41           | 2.83           | 0.019       | 4                  |
| 1089       |                | 20:32.8          | 63:30            | 98.4            | 13.78          | 0.244       | 3                  |
| 1090       | 365            | 21:35.6          | 56:43            | 98.43           | 3.48           | 0.028       | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1092       |                | 21:37.6          | 56:59            | 98.81           | 3.48           | 0.014       | 3                  |
| 1093       |                | 21:33.5          | 57:38            | 98.85           | 4.34           | 0.034       | 4                  |
| 1094       |                | 20:32.8          | 64:00            | 98.83           | 14.06          | 0.002       | 5                  |
| 1095       | 162            | 21:42.6          | 56:19            | 98.89           | 2.52           | 0.012       | 4                  |
| 1096       |                | 21:31.5          | 58:03            | 98.93           | 4.83           | 0.001       | 3                  |
| 1097       |                | 21:46.7          | 55:44            | 98.94           | 1.72           | 0.003       | 4                  |
| 1098       |                | 21:34.5          | 57:38            | 98.95           | 4.25           | 0.025       | 3                  |
| 1099       |                | 21:36.5          | 57:24            | 98.98           | 3.88           | 0.008       | 5                  |
| 1100       |                | 20:34.8          | 64:00            | 98.96           | 13.88          | 0.007       | 5                  |
| 1101       |                | 21:39.6          | 56:59            | 99.01           | 3.3            | 0.095       | 3                  |
| 1102       |                | 21:32.5          | 58:03            | 99.03           | 4.74           | 0.008       | 5                  |
| 1103       | 161            | 21:41.7          | 56:44            | 99.07           | 2.92           | 0.003       | 6                  |
| 1104       |                | 21:42.1          | 56:44            | 99.11           | 2.89           | 0.006       | 4                  |
| 1105       |                | 21:37.1          | 57:34            | 99.15           | 3.95           | 0.008       | 4                  |
| 1106       | 163            | 21:42.6          | 56:54            | 99.27           | 2.97           | 0.009       | 4                  |
| 1107       |                | 21:56.8          | 54:29            | 99.29           | -0.16          | 11          | 1                  |
| 1108       |                | 21:26.4          | 59:33            | 99.49           | 6.37           | 0.046       | 3                  |
| 1109       |                | 21:51.7          | 55:49            | 99.55           | 1.33           | 0.15        | 2                  |
| 1110       |                | 21:39.5          | 57:54            | 99.62           | 3.99           | 0.007       | 4                  |
| 1111       |                | 21:39.5          | 57:54            | 99.62           | 3.99           | 0.002       | 6                  |
| 1112       |                | 21:38.5          | 58:04            | 99.63           | 4.2            | 0.013       | 4                  |
| 1113       | 367            | 21:44.6          | 57:12            | 99.67           | 3.02           | 0.002       | 5                  |
| 1114       |                | 21:49.7          | 56:24            | 99.69           | 1.96           | 0.016       | 4                  |
| 1115       |                | 21:46.6          | 56:59            | 99.74           | 2.68           | 0.002       | 5                  |
| 1116       |                | 21:36.5          | 58:34            | 99.76           | 4.75           | 0.034       | 3                  |
| 1117       |                | 21:38.5          | 58:19            | 99.79           | 4.39           | 0.004       | 5                  |
| 1118       |                | 21:46.6          | 57:13            | 99.89           | 2.86           | 0.001       | 5                  |
| 1119       |                | 21:13.2          | 61:42            | 99.91           | 9.03           | 0.01        | 5                  |
| 1120       |                | 21:47.6          | 57:09            | 99.96           | 2.72           | 0.001       | 5                  |
| 1121       |                | 21:40.5          | 58:17            | 99.97           | 4.19           | 0.008       | 5                  |
| 1122       |                | 20:32.7          | 65:20            | 99.97           | 14.81          | 0.041       | 4                  |
| 1123       |                | 21:39.5          | 58:29            | 100             | 4.43           | 0.003       | 5                  |
| 1124       |                | 21:41.5          | 58:14            | 100.04          | 4.07           | 0.015       | 5                  |
| 1125       |                | 21:14.7          | 61:43            | 100.04          | 8.9            | 0.01        | 5                  |
| 1126       |                | 21:39.5          | 58:34            | 100.06          | 4.49           | 0.006       | 5                  |
| 1127       |                | 21:40.9          | 58:34            | 100.2           | 4.37           | 0.004       | 5                  |
| 1128       |                | 21:41.5          | 58:34            | 100.26          | 4.32           | 0.015       | 5                  |
| 1129       |                | 21:46.6          | 57:54            | 100.33          | 3.38           | 0.041       | 3                  |
| 1130       |                | 21:44.6          | 58:19            | 100.4           | 3.87           | 0.012       | 4                  |
| 1131       | 366            | 21:40.0          | 59:34            | 100.77          | 5.2            | 0.046       | 3                  |
| 1132       |                | 21:46.6          | 58:44            | 100.87          | 4.02           | 0.003       | 4                  |
| 1133       |                | 22:02.7          | 56:15            | 101.02          | 0.72           | 0.248       | 3                  |
| 1134       |                | 21:41.5          | 60:14            | 101.35          | 5.58           | 2.63        | 1                  |
| 1135       |                | 21:39.4          | 60:39            | 101.44          | 6.06           | 0.054       | 3                  |
| 1136       |                | 21:45.5          | 59:59            | 101.57          | 5.06           | 0.012       | 5                  |
| 1137       | 368            | 21:51.6          | 59:04            | 101.58          | 3.87           | 0.018       | 5                  |
| 1138       |                | 21:51.6          | 59:04            | 101.58          | 3.87           | 0.018       | 4                  |
| 1139       |                | 21:55.6          | 58:34            | 101.68          | 3.15           | 0.015       | 5                  |
| 1140       |                | 21:40.4          | 60:54            | 101.7           | 6.16           | 0.24        | 2                  |
| 1141       |                | 21:55.6          | 58:44            | 101.78          | 3.28           | 0.01        | 4                  |
| 1142       |                | 21:56.6          | 59:04            | 102.09          | 3.47           | 0.002       | 5                  |
| 1143       |                | 21:57.6          | 58:59            | 102.14          | 3.32           | 0.02        | 6                  |
| 1144       | 166; 165; 167  | 21:50.5          | 60:07            | 102.14          | 4.77           | 0.027       | 5                  |
| 1145       |                | 21:31.3          | 62:43            | 102.14          | 8.24           | 0.183       | 3                  |
| 1146       |                | 21:31.3          | 62:43            | 102.14          | 8.24           | 0.183       | 3                  |
| 1147       |                | 20:40.5          | 67:21            | 102.14          | 15.29          | 0.127       | 3                  |
| 1148       |                | 20:40.5          | 67:21            | 102.14          | 15.29          | 0.015       | 6                  |
| 1149       | 170            | 21:57.6          | 59:07            | 102.22          | 3.43           | 0.015       | 4                  |
| 1150       | 369            | 22:15.8          | 56:00            | 102.37          | -0.53          | 0.007       | 3                  |
| 1151       | 169            | 21:59.6          | 59:04            | 102.4           | 3.23           | 0.027       | 3                  |
| 1152       |                | 20:34.4          | 68:00            | 102.37          | 16.14          | 0.025       | 5                  |
| 1153       | 171            | 22:00.6          | 58:59            | 102.45          | 3.09           | 0.079       | 5                  |
| 1154       |                | 22:16.8          | 56:13            | 102.61          | -0.43          | 0.007       | 3                  |
| 1155       |                | 20:43.5          | 67:41            | 102.6           | 15.25          | 0.006       | 6                  |
| 1156       |                | 22:19.9          | 55:45            | 102.71          | -1.05          | 0.043       | 2                  |
| 1157       |                | 20:39.5          | 68:01            | 102.65          | 15.75          | 0.005       | 5                  |
| 1158       |                | 20:44.5          | 67:41            | 102.66          | 15.17          | 0.111       | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1160       |                | 22:04.7          | 59:00            | 102.87          | 2.78           | 0.019       | 3                  |
| 1161       |                | 22:19.9          | 56:08            | 102.92          | -0.73          | 0.006       | 3                  |
| 1162       |                | 21:20.0          | 65:03            | 102.92          | 10.76          | 0.004       | 3                  |
| 1163       |                | 22:20.9          | 56:10            | 103.05          | -0.78          | 0.007       | 2                  |
| 1164       | 174            | 22:06.7          | 59:10            | 103.18          | 2.76           | 0.019       | 6                  |
| 1165       |                | 22:07.2          | 59:05            | 103.18          | 2.66           | 0.019       | 6                  |
| 1166       | 173            | 22:05.7          | 59:35            | 103.32          | 3.18           | 0.001       | 6                  |
| 1167       |                | 21:03.7          | 67:02            | 103.3           | 13.32          | 0.062       | 2                  |
| 1168       |                | 20:56.6          | 67:37            | 103.31          | 14.21          | 0.003       | 5                  |
| 1169       |                | 22:07.2          | 59:45            | 103.57          | 3.2            | 0.004       | 5                  |
| 1170       |                | 21:01.7          | 67:37            | 103.63          | 13.84          | 0.215       | 3                  |
| 1171       |                | 20:53.5          | 68:19            | 103.71          | 14.88          | 0.002       | 5                  |
| 1172       |                | 21:02.7          | 67:42            | 103.76          | 13.82          | 0.01        | 6                  |
| 1173       |                | 21:04.7          | 67:42            | 103.88          | 13.67          | 0.006       | 5                  |
| 1174       |                | 21:02.6          | 68:12            | 104.15          | 14.14          | 0.294       | 4                  |
| 1175       |                | 22:13.7          | 60:45            | 104.81          | 3.55           | 0.015       | 3                  |
| 1176       |                | 21:31.0          | 66:43            | 104.93          | 11.15          | 0.446       | 1                  |
| 1177       |                | 21:18.8          | 68:16            | 105.22          | 13.06          | 0.005       | 4                  |
| 1178       |                | 22:09.1          | 62:20            | 105.27          | 5.16           | 0.005       | 5                  |
| 1179       |                | 22:27.3          | 59:02            | 105.31          | 1.19           | 0.002       | 5                  |
| 1180       |                | 22:26.8          | 59:15            | 105.37          | 1.41           | 7           | 1                  |
| 1181       |                | 21:42.1          | 66:09            | 105.36          | 9.97           | 0.008       | 4                  |
| 1182       |                | 22:13.1          | 61:55            | 105.42          | 4.55           | 0.004       | 5                  |
| 1183       |                | 21:42.1          | 66:14            | 105.42          | 10.03          | 0.09        | 2                  |
| 1184       |                | 22:20.7          | 60:45            | 105.53          | 3.08           | 0.124       | 3                  |
| 1185       |                | 22:29.3          | 59:05            | 105.56          | 1.1            | 0.006       | 6                  |
| 1186       |                | 22:13.6          | 62:08            | 105.59          | 4.7            | 0.005       | 5                  |
| 1187       |                | 22:38.0          | 57:16            | 105.62          | -1.06          | 0.145       | 3                  |
| 1188       |                | 22:16.7          | 61:45            | 105.67          | 4.18           | 0.398       | 3                  |
| 1189       |                | 22:39.0          | 57:16            | 105.74          | -1.12          | 0.473       | 2                  |
| 1190       |                | 22:30.8          | 59:08            | 105.75          | 1.04           | 0.004       | 4                  |
| 1191       |                | 22:14.1          | 62:25            | 105.8           | 4.9            | 0.004       | 5                  |
| 1192       |                | 22:33.9          | 58:36            | 105.81          | 0.37           | 0.007       | 5                  |
| 1193       |                | 22:14.6          | 62:25            | 105.85          | 4.87           | 0.002       | 5                  |
| 1194       |                | 22:32.9          | 59:05            | 105.95          | 0.87           | 0.009       | 3                  |
| 1195       |                | 22:26.8          | 61:15            | 106.42          | 3.11           | 0.017       | 5                  |
| 1196       |                | 22:26.8          | 61:15            | 106.42          | 3.11           | 0.029       | 4                  |
| 1197       |                | 22:37.9          | 58:56            | 106.43          | 0.4            | 0.009       | 6                  |
| 1198       |                | 22:36.9          | 59:26            | 106.57          | 0.9            | 0.054       | 2                  |
| 1199       |                | 21:35.9          | 68:33            | 106.57          | 12.15          | 0.235       | 2                  |
| 1200       |                | 22:46.0          | 58:46            | 107.27          | -0.24          | 0.02        | 5                  |
| 1201       |                | 22:23.7          | 63:30            | 107.31          | 5.21           | 0.009       | 3                  |
| 1202       |                | 22:26.7          | 63:05            | 107.38          | 4.67           | 0.004       | 5                  |
| 1203       |                | 22:27.7          | 63:00            | 107.43          | 4.54           | 0.016       | 3                  |
| 1204       |                | 22:26.7          | 63:15            | 107.47          | 4.82           | 2.5         | 2                  |
| 1205       |                | 22:45.9          | 60:26            | 108.04          | 1.24           | 0.095       | 2                  |
| 1206       |                | 22:28.7          | 64:25            | 108.27          | 5.7            | 0.083       | 3                  |
| 1207       |                | 22:29.7          | 64:25            | 108.36          | 5.64           | 0.047       | 2                  |
| 1208       |                | 22:30.7          | 64:25            | 108.46          | 5.58           | 0.018       | 1                  |
| 1209       |                | 22:29.7          | 64:45            | 108.53          | 5.93           | 0.111       | 1                  |
| 1210       |                | 22:44.9          | 62:06            | 108.7           | 2.77           | 0.011       | 4                  |
| 1211       |                | 22:46.9          | 62:11            | 108.95          | 2.74           | 0.011       | 5                  |
| 1212       |                | 22:47.9          | 62:13            | 109.07          | 2.71           | 0.014       | 3                  |
| 1213       |                | 22:31.6          | 65:25            | 109.06          | 6.39           | 0.006       | 5                  |
| 1214       |                | 22:33.6          | 65:46            | 109.41          | 6.57           | 0.256       | 1                  |
| 1215       |                | 22:51.9          | 62:06            | 109.44          | 2.4            | 0.021       | 5                  |
| 1216       |                | 22:51.9          | 62:16            | 109.52          | 2.55           | 0.142       | 4                  |
| 1217       | 175            | 22:13.1          | 70:45            | 110.54          | 11.79          | 0.186       | 3                  |
| 1218       |                | 23:02.0          | 62:16            | 110.58          | 2.05           | 1.59        | 3                  |
| 1219       |                | 22:11.6          | 71:00            | 110.58          | 12.06          | 0.003       | 5                  |
| 1220       |                | 23:04.1          | 61:51            | 110.63          | 1.57           | 0.006       | 4                  |
| 1221       |                | 22:28.4          | 69:00            | 110.67          | 9.61           | 0.02        | 5                  |
| 1222       |                | 23:05.1          | 61:46            | 110.7           | 1.45           | 0.002       | 4                  |
| 1223       |                | 22:56.9          | 64:16            | 110.89          | 4.11           | 1.01        | 1                  |
| 1224       |                | 23:04.0          | 63:46            | 111.39          | 3.33           | 0.016       | 3                  |
| 1225       |                | 23:12.1          | 61:36            | 111.41          | 0.97           | 0.036       | 4                  |
| 1226       |                | 23:10.1          | 62:16            | 111.44          | 1.68           | 0.009       | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1228       |                | 20:59.0          | 77:32            | 111.67          | 20.1           | 0.086       | 1                  |
| 1229       |                | 23:14.1          | 61:59            | 111.78          | 1.24           | 0.004       | 5                  |
| 1230       |                | 23:14.1          | 62:01            | 111.79          | 1.27           | 0.002       | 5                  |
| 1231       |                | 23:18.2          | 61:16            | 111.97          | 0.4            | 0.013       | 5                  |
| 1232       |                | 23:17.2          | 61:46            | 112.03          | 0.91           | 0.004       | 4                  |
| 1233       |                | 23:16.5          | 62:20            | 112.15          | 1.47           | 0.001       | 6                  |
| 1234       |                | 23:17.2          | 62:24            | 112.25          | 1.51           | 0.004       | 6                  |
| 1235       |                | 22:14.9          | 73:25            | 112.24          | 13.88          | 0.037       | 6                  |
| 1236       |                | 22:52.7          | 68:56            | 112.56          | 8.49           | 0.044       | 4                  |
| 1237       |                | 23:22.6          | 62:36            | 112.91          | 1.48           | 0.004       | 4                  |
| 1238       |                | 23:32.3          | 59:47            | 113.12          | -1.58          | 14          | 2                  |
| 1239       |                | 23:12.3          | 66:04            | 113.11          | 5.11           | 0.005       | 5                  |
| 1240       |                | 23:11.0          | 66:26            | 113.12          | 5.5            | 0.126       | 2                  |
| 1241       |                | 21:50.0          | 76:44            | 113.08          | 17.48          | 1.38        | 1                  |
| 1242       |                | 22:31.2          | 73:15            | 113.15          | 13.11          | 0.793       | 3                  |
| 1243       |                | 22:10.6          | 75:20            | 113.16          | 15.6           | 0.081       | 3                  |
| 1244       |                | 23:25.2          | 62:46            | 113.25          | 1.53           | 0.007       | 4                  |
| 1245       |                | 23:32.3          | 60:47            | 113.42          | -0.63          | 0.07        | 3                  |
| 1246       |                | 23:25.2          | 63:36            | 113.52          | 2.32           | 0.002       | 6                  |
| 1247       |                | 22:20.8          | 75:15            | 113.66          | 15.17          | 0.167       | 4                  |
| 1248       |                | 23:32.3          | 62:17            | 113.87          | 0.8            | 4.26        | 2                  |
| 1249       |                | 23:44.4          | 58:57            | 114.37          | -2.81          | 0.047       | 1                  |
| 1250       |                | 23:22.1          | 67:16            | 114.45          | 5.89           | 2.63        | 1                  |
| 1251       |                | 22:36.0          | 75:16            | 114.51          | 14.65          | 0.195       | 5                  |
| 1252       |                | 23:45.4          | 63:17            | 115.59          | 1.35           | 0.181       | 3                  |
| 1253       |                | 23:56.5          | 58:32            | 115.8           | -3.58          | 0.009       | 6                  |
| 1254       |                | 23:56.5          | 58:47            | 115.85          | -3.34          | 0.152       | 3                  |
| 1255       |                | 23:53.5          | 60:32            | 115.86          | -1.55          | 0.001       | 5                  |
| 1256       |                | 23:55.5          | 60:02            | 116             | -2.09          | 0.161       | 3                  |
| 1257       |                | 23:57.5          | 59:40            | 116.17          | -2.5           | 0.029       | 5                  |
| 1258       |                | 23:59.0          | 59:37            | 116.34          | -2.59          | 0.01        | 2                  |
| 1259       |                | 23:22.9          | 74:16            | 116.93          | 12.44          | 0.035       | 2                  |
| 1260       |                | 23:57.0          | 64:57            | 117.21          | 2.68           | 0.004       | 4                  |
| 1261       |                | 23:27.0          | 74:17            | 117.2           | 12.35          | 0.03        | 4                  |
| 1262       |                | 23:27.0          | 74:17            | 117.2           | 12.35          | 0.066       | 6                  |
| 1263       |                | 23:57.5          | 64:51            | 117.24          | 2.57           | 0.002       | 5                  |
| 1264       |                | 23:52.5          | 68:17            | 117.5           | 6.03           | 0.102       | 2                  |
| 1265       |                | 00:09.6          | 58:52            | 117.54          | -3.57          | 0.003       | 3                  |
| 1266       |                | 23:57.5          | 67:17            | 117.75          | 4.95           | 2.54        | 2                  |
| 1267       |                | 00:00.6          | 66:47            | 117.94          | 4.4            | 0.019       | 3                  |
| 1268       |                | 23:59.5          | 67:27            | 117.97          | 5.07           | 0.158       | 4                  |
| 1269       |                | 00:00.6          | 67:10            | 118.01          | 4.78           | 0.025       | 4                  |
| 1270       |                | 00:01.6          | 67:10            | 118.11          | 4.76           | 0.009       | 4                  |
| 1271       |                | 00:01.6          | 67:17            | 118.13          | 4.87           | 0.01        | 5                  |
| 1272       |                | 00:02.6          | 67:17            | 118.23          | 4.85           | 8.69        | 1                  |
| 1273       |                | 00:02.6          | 68:32            | 118.46          | 6.08           | 0.199       | 2                  |
| 1274       |                | 23:57.5          | 70:57            | 118.52          | 8.54           | 0.032       | 4                  |
| 1275       |                | 00:06.6          | 67:27            | 118.64          | 4.95           | 0.02        | 5                  |
| 1276       |                | 00:12.7          | 64:02            | 118.7           | 1.48           | 0.004       | 2                  |
| 1277       |                | 00:13.7          | 64:02            | 118.81          | 1.46           | 0.007       | 3                  |
| 1278       |                | 00:15.7          | 63:52            | 119.01          | 1.26           | 0.017       | 3                  |
| 1279       |                | 00:17.7          | 63:47            | 119.22          | 1.15           | 0.025       | 4                  |
| 1280       |                | 00:19.7          | 62:40            | 119.3           | 0.01           | 0.019       | 4                  |
| 1281       |                | 00:18.7          | 63:57            | 119.35          | 1.3            | 0.006       | 4                  |
| 1282       |                | 00:21.7          | 61:47            | 119.43          | -0.89          | 0.016       | 4                  |
| 1283       |                | 00:22.8          | 61:43            | 119.54          | -0.97          | 0.008       | 3                  |
| 1284       |                | 00:21.8          | 63:12            | 119.59          | 0.51           | 0.01        | 2                  |
| 1285       |                | 00:24.8          | 63:12            | 119.93          | 0.48           | 0.013       | 2                  |
| 1286       |                | 00:34.8          | 58:57            | 120.79          | -3.86          | 0.06        | 2                  |
| 1287       |                | 00:35.9          | 63:27            | 121.2           | 0.62           | 0.021       | 4                  |
| 1288       |                | 00:38.0          | 66:06            | 121.57          | 3.27           | 0.342       | 2                  |
| 1289       |                | 21:31.4          | 88:24            | 121.56          | 26.09          | 0.012       | 2                  |
| 1290       |                | 00:41.9          | 61:06            | 121.78          | -1.74          | 0.013       | 5                  |
| 1291       |                | 00:42.2          | 62:01            | 121.85          | -0.83          | 0.004       | 5                  |
| 1292       |                | 21:40.5          | 88:34            | 121.75          | 26.16          | 0.466       | 1                  |
| 1293       |                | 00:41.9          | 63:06            | 121.86          | 0.26           | 0.011       | 4                  |
| 1294       |                | 00:42.3          | 62:16            | 121.87          | -0.58          | 0.002       | 5                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1296       |                | 00:44.8          | 52:46            | 121.92          | -10.09         | 0.032       | 3                  |
| 1297       |                | 00:43.0          | 62:46            | 121.96          | -0.08          | 0.061       | 4                  |
| 1298       |                | 00:43.4          | 61:06            | 121.96          | -1.75          | 0.015       | 5                  |
| 1299       |                | 00:45.1          | 55:44            | 122.03          | -7.12          | 0.005       | 5                  |
| 1300       |                | 00:43.9          | 61:26            | 122.04          | -1.42          | 0.008       | 5                  |
| 1301       |                | 00:43.8          | 62:27            | 122.04          | -0.4           | 0.002       | 5                  |
| 1302       |                | 00:43.9          | 61:51            | 122.05          | -1             | 0.005       | 4                  |
| 1303       |                | 00:43.0          | 65:16            | 122.05          | 2.42           | 0.7         | 2                  |
| 1304       |                | 00:43.1          | 69:46            | 122.21          | 6.91           | 4           | 1                  |
| 1305       |                | 01:03.3          | 67:46            | 124.06          | 4.92           | 2.68        | 1                  |
| 1306       |                | 01:03.1          | 62:16            | 124.29          | -0.57          | 11          | 1                  |
| 1307       |                | 01:05.2          | 65:16            | 124.37          | 2.43           | 2.28        | 3                  |
| 1308       |                | 01:13.7          | 72:56            | 124.59          | 10.13          | 1.57        | 1                  |
| 1309       |                | 01:07.2          | 62:16            | 124.76          | -0.55          | 0.432       | 2                  |
| 1310       |                | 01:07.1          | 59:16            | 124.93          | -3.54          | 1.11        | 2                  |
| 1311       |                | 11:24.6          | 84:44            | 125.23          | 32.01          | 1.66        | 1                  |
| 1312       |                | 01:14.2          | 62:06            | 125.59          | -0.66          | 0.111       | 4                  |
| 1313       |                | 01:16.2          | 61:41            | 125.87          | -1.05          | 0.036       | 3                  |
| 1314       |                | 01:17.2          | 61:26            | 126.01          | -1.29          | 0.008       | 4                  |
| 1315       |                | 01:20.3          | 63:06            | 126.19          | 0.41           | 0.282       | 3                  |
| 1316       |                | 01:19.2          | 61:26            | 126.25          | -1.26          | 0.045       | 3                  |
| 1317       |                | 01:23.1          | 61:51            | 126.66          | -0.8           | 0.002       | 5                  |
| 1319       |                | 01:23.3          | 61:16            | 126.75          | -1.37          | 0.206       | 3                  |
| 1320       |                | 04:15.2          | 85:38            | 126.65          | 24.33          | 0.465       | 1                  |
| 1321       |                | 10:36.7          | 84:14            | 126.69          | 31.87          | 1.76        | 1                  |
| 1322       |                | 01:24.3          | 61:16            | 126.87          | -1.36          | 0.004       | 5                  |
| 1323       |                | 01:25.3          | 61:26            | 126.97          | -1.18          | 0.024       | 4                  |
| 1324       |                | 01:26.3          | 61:36            | 127.07          | -1             | 0.036       | 4                  |
| 1325       |                | 01:29.9          | 63:05            | 127.27          | 0.54           | 0.003       | 5                  |
| 1326       |                | 01:30.7          | 63:05            | 127.36          | 0.56           | 0.003       | 5                  |
| 1327       |                | 01:34.5          | 65:25            | 127.4           | 2.92           | 0.054       | 1                  |
| 1328       |                | 01:38.6          | 67:15            | 127.48          | 4.8            | 1.53        | 1                  |
| 1329       |                | 01:35.5          | 65:15            | 127.53          | 2.78           | 0.034       | 3                  |
| 1330       |                | 01:36.5          | 65:15            | 127.63          | 2.8            | 0.019       | 4                  |
| 1331       |                | 01:38.5          | 64:30            | 127.97          | 2.09           | 0.063       | 1                  |
| 1332       |                | 01:42.5          | 62:03            | 128.87          | -0.23          | 0.009       | 4                  |
| 1333       |                | 02:26.1          | 75:29            | 128.88          | 13.71          | 0.007       | 6                  |
| 1334       |                | 01:43.5          | 61:57            | 129.01          | -0.31          | 0.011       | 3                  |
| 1335       |                | 01:51.7          | 66:05            | 129             | 3.92           | 0.615       | 3                  |
| 1336       |                | 01:53.8          | 66:45            | 129.04          | 4.62           | 1.37        | 3                  |
| 1337       |                | 01:45.5          | 61:55            | 129.24          | -0.29          | 0.012       | 4                  |
| 1338       |                | 01:54.6          | 62:43            | 130.1           | 0.72           | 0.003       | 4                  |
| 1339       |                | 01:54.6          | 62:31            | 130.14          | 0.53           | 0.003       | 5                  |
| 1340       |                | 02:30.7          | 72:57            | 130.15          | 11.49          | 0.001       | 5                  |
| 1341       |                | 01:55.8          | 62:42            | 130.24          | 0.74           | 0.002       | 4                  |
| 1343       |                | 01:56.1          | 62:25            | 130.34          | 0.47           | 0.021       | 5                  |
| 1345       |                | 01:57.1          | 62:39            | 130.39          | 0.73           | 0.015       | 5                  |
| 1346       |                | 01:57.1          | 62:38            | 130.4           | 0.71           | 0.015       | 5                  |
| 1347       |                | 01:58.1          | 62:20            | 130.58          | 0.45           | 0.045       | 3                  |
| 1348       |                | 01:58.6          | 62:25            | 130.62          | 0.54           | 0.045       | 3                  |
| 1349       |                | 02:13.9          | 66:14            | 131.12          | 4.68           | 1.18        | 1                  |
| 1350       |                | 02:09.5          | 60:59            | 132.26          | -0.46          | 0.004       | 4                  |
| 1351       |                | 02:10.7          | 60:49            | 132.45          | -0.58          | 0.003       | 5                  |
| 1352       |                | 02:35.2          | 67:23            | 132.68          | 6.5            | 0.017       | 1                  |
| 1353       |                | 02:44.4          | 68:13            | 133.14          | 7.61           | 2.51        | 1                  |
| 1354       |                | 02:19.7          | 61:44            | 133.18          | 0.63           | 0.016       | 4                  |
| 1355       |                | 02:52.7          | 69:02            | 133.46          | 8.68           | 0.007       | 6                  |
| 1356       |                | 02:22.8          | 61:44            | 133.52          | 0.75           | 0.079       | 4                  |
| 1357       |                | 02:52.5          | 68:52            | 133.52          | 8.53           | 0.004       | 6                  |
| 1358       |                | 02:55.6          | 69:22            | 133.53          | 9.09           | 0.006       | 6                  |
| 1359       |                | 02:25.8          | 62:04            | 133.74          | 1.18           | 0.061       | 5                  |
| 1360       |                | 02:26.8          | 61:13            | 134.15          | 0.45           | 0.011       | 4                  |
| 1361       |                | 02:28.3          | 61:38            | 134.17          | 0.9            | 0.011       | 4                  |
| 1362       |                | 02:27.8          | 61:13            | 134.26          | 0.49           | 0.004       | 4                  |
| 1363       |                | 02:27.8          | 61:03            | 134.32          | 0.33           | 0.011       | 4                  |
| 1364       |                | 02:29.8          | 61:33            | 134.36          | 0.89           | 0.015       | 4                  |
| 1365       |                | 02:28.8          | 60:48            | 134.52          | 0.14           | 0.093       | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1367       |                | 02:31.8          | 61:18            | 134.68          | 0.74           | 0.016       | 4                  |
| 1368       |                | 02:32.8          | 61:23            | 134.76          | 0.87           | 0.006       | 3                  |
| 1369       |                | 02:33.8          | 61:23            | 134.87          | 0.91           | 0.012       | 3                  |
| 1370       |                | 02:31.8          | 60:28            | 134.99          | -0.03          | 0.035       | 5                  |
| 1371       |                | 02:34.8          | 60:43            | 135.24          | 0.34           | 0.206       | 4                  |
| 1372       |                | 02:37.8          | 61:23            | 135.32          | 1.1            | 0.027       | 3                  |
| 1373       |                | 02:37.8          | 61:13            | 135.38          | 0.94           | 12          | 2                  |
| 1374       |                | 02:34.7          | 58:23            | 136.13          | -1.82          | 0.011       | 4                  |
| 1375       |                | 02:44.9          | 60:53            | 136.3           | 0.98           | 0.029       | 3                  |
| 1376       |                | 02:43.8          | 60:33            | 136.32          | 0.63           | 0.019       | 5                  |
| 1377       |                | 03:15.1          | 61:01            | 139.46          | 2.84           | 0.025       | 4                  |
| 1378       |                | 03:14.9          | 60:20            | 139.8           | 2.25           | 0.001       | 5                  |
| 1379       |                | 03:15.5          | 60:21            | 139.86          | 2.3            | 0.002       | 5                  |
| 1380       |                | 03:15.7          | 60:09            | 139.98          | 2.15           | 0.001       | 5                  |
| 1381       |                | 03:16.5          | 60:13            | 140.03          | 2.25           | 0.006       | 5                  |
| 1382       |                | 03:17.0          | 60:04            | 140.17          | 2.16           | 0.01        | 4                  |
| 1383       |                | 03:18.0          | 60:06            | 140.26          | 2.25           | 0.003       | 4                  |
| 1384       |                | 03:20.0          | 60:01            | 140.51          | 2.32           | 0.068       | 4                  |
| 1385       |                | 03:21.0          | 59:49            | 140.73          | 2.21           | 0.004       | 5                  |
| 1386       |                | 03:22.2          | 59:41            | 140.93          | 2.18           | 0.008       | 5                  |
| 1387       | 6              | 03:56.5          | 56:04            | 146.74          | 1.99           | 0.028       | 4                  |
| 1388       |                | 04:03.0          | 56:48            | 146.94          | 3.15           | 0.007       | 4                  |
| 1389       |                | 04:04.5          | 56:54            | 147.03          | 3.36           | 0.002       | 6                  |
| 1390       |                | 04:09.0          | 55:08            | 148.68          | 2.46           | 0.952       | 3                  |
| 1391       |                | 03:57.8          | 53:09            | 148.77          | -0.11          | 1.37        | 1                  |
| 1392       | 8              | 04:14.0          | 55:08            | 149.2           | 2.94           | 0.034       | 5                  |
| 1393       |                | 04:13.0          | 54:48            | 149.33          | 2.6            | 0.018       | 5                  |
| 1394       |                | 04:17.0          | 55:17            | 149.4           | 3.36           | 0.184       | 5                  |
| 1395       |                | 04:13.9          | 54:08            | 149.89          | 2.21           | 1.46        | 2                  |
| 1396       | 11             | 04:21.0          | 55:07            | 149.93          | 3.64           | 0.07        | 3                  |
| 1397       |                | 04:21.0          | 54:52            | 150.11          | 3.46           | 0.018       | 5                  |
| 1398       |                | 04:19.0          | 54:27            | 150.19          | 2.96           | 0.49        | 3                  |
| 1399       |                | 04:24.0          | 55:07            | 150.24          | 3.94           | 0.163       | 5                  |
| 1400       |                | 04:25.0          | 54:57            | 150.46          | 3.93           | 0.011       | 3                  |
| 1401       |                | 04:28.0          | 55:13            | 150.57          | 4.42           | 0.017       | 5                  |
| 1402       | 13             | 04:24.0          | 54:37            | 150.59          | 3.59           | 0.172       | 4                  |
| 1403       |                | 04:28.5          | 55:12            | 150.63          | 4.46           | 0.003       | 5                  |
| 1404       |                | 04:30.0          | 55:17            | 150.72          | 4.67           | 0.025       | 5                  |
| 1405       | 21             | 04:34.0          | 55:16            | 151.11          | 5.09           | 0.172       | 4                  |
| 1406       |                | 04:38.1          | 55:24            | 151.4           | 5.6            | 0.005       | 5                  |
| 1407       | 12             | 04:30.0          | 54:17            | 151.44          | 3.98           | 0.13        | 5                  |
| 1408       |                | 04:32.0          | 54:31            | 151.46          | 4.36           | 0.156       | 3                  |
| 1409       |                | 04:36.0          | 54:56            | 151.55          | 5.07           | 0.009       | 4                  |
| 1410       |                | 04:36.0          | 54:51            | 151.61          | 5.02           | 0.003       | 5                  |
| 1411       |                | 04:36.0          | 54:26            | 151.92          | 4.73           | 0.009       | 4                  |
| 1412       |                | 04:37.0          | 54:26            | 152.02          | 4.84           | 0.002       | 5                  |
| 1414       |                | 04:34.0          | 53:26            | 152.46          | 3.84           | 0.201       | 3                  |
| 1415       |                | 04:42.0          | 54:26            | 152.51          | 5.38           | 0.064       | 3                  |
| 1416       |                | 04:40.0          | 54:06            | 152.56          | 4.94           | 0.007       | 5                  |
| 1417       |                | 04:41.0          | 53:56            | 152.79          | 4.94           | 0.005       | 5                  |
| 1418       | 20             | 04:33.9          | 52:36            | 153.07          | 3.27           | 2.6         | 2                  |
| 1419       |                | 04:51.1          | 54:45            | 153.11          | 6.59           | 0.079       | 2                  |
| 1420       |                | 04:32.9          | 52:16            | 153.21          | 2.93           | 0.002       | 5                  |
| 1421       |                | 04:32.9          | 52:01            | 153.39          | 2.76           | 0.009       | 5                  |
| 1422       |                | 04:49.0          | 54:05            | 153.43          | 5.94           | 1.13        | 1                  |
| 1423       |                | 04:45.0          | 53:21            | 153.62          | 5.01           | 0.001       | 5                  |
| 1424       |                | 04:45.0          | 53:16            | 153.68          | 4.95           | 0.006       | 5                  |
| 1425       |                | 04:46.0          | 53:05            | 153.91          | 4.96           | 0.093       | 4                  |
| 1426       |                | 04:47.0          | 53:05            | 154.01          | 5.07           | 0.019       | 5                  |
| 1427       |                | 04:43.9          | 52:41            | 154.03          | 4.45           | 0.005       | 4                  |
| 1428       |                | 04:43.9          | 52:36            | 154.09          | 4.4            | 0.005       | 4                  |
| 1429       |                | 04:47.9          | 52:05            | 154.87          | 4.54           | 0.032       | 5                  |
| 1430       |                | 04:48.9          | 52:08            | 154.93          | 4.69           | 0.009       | 5                  |
| 1431       |                | 04:47.9          | 52:00            | 154.93          | 4.48           | 0.01        | 5                  |
| 1432       |                | 04:51.9          | 52:05            | 155.27          | 5.01           | 0.019       | 4                  |
| 1433       |                | 04:50.9          | 51:55            | 155.3           | 4.78           | 0.019       | 5                  |
| 1434       |                | 03:36.3          | 37:40            | 155.53          | -14.56         | 0.704       | 3                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i>                        | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|---------------------------------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1436       |                                       | 04:53.9          | 51:45            | 155.72          | 5.03           | 0.312       | 3                  |
| 1437       |                                       | 04:59.3          | 52:05            | 155.99          | 5.89           | 0.003       | 5                  |
| 1438       |                                       | 04:55.9          | 51:35            | 156.05          | 5.17           | 0.171       | 4                  |
| 1439       |                                       | 05:00.9          | 52:04            | 156.14          | 6.09           | 0.012       | 5                  |
| 1440       |                                       | 03:57.9          | 41:29            | 156.39          | -8.98          | 0.027       | 4                  |
| 1441       |                                       | 04:00.1          | 41:33            | 156.65          | -8.64          | 0.027       | 5                  |
| 1442       |                                       | 03:50.3          | 38:59            | 156.9           | -11.81         | 0.316       | 4                  |
| 1443       |                                       | 04:00.4          | 40:48            | 157.19          | -9.17          | 1.65        | 2                  |
| 1444       |                                       | 04:33.7          | 46:56            | 157.2           | -0.6           | 0.539       | 2                  |
| 1445       | 17; ; 16; ; 15                        | 04:32.1          | 46:36            | 157.27          | -1.02          | 0.084       | 5                  |
| 1446       |                                       | 03:46.3          | 37:09            | 157.47          | -13.73         | 0.294       | 3                  |
| 1447       |                                       | 04:03.4          | 40:48            | 157.62          | -8.79          | 0.653       | 4                  |
| 1448       | 203                                   | 03:26.1          | 30:40            | 158.18          | -21.41         | 0.053       | 4                  |
| 1449       |                                       | 03:53.3          | 37:39            | 158.24          | -12.46         | 2.3         | 3                  |
| 1450       | 205; 206                              | 03:29.6          | 31:20            | 158.4           | -20.43         | 0.009       | 5                  |
| 1451       | 202                                   | 03:26.1          | 30:10            | 158.5           | -21.82         | 0.14        | 4                  |
| 1452       |                                       | 03:28.1          | 30:40            | 158.55          | -21.16         | 1.66        | 3                  |
| 1453       |                                       | 02:56.0          | 20:17            | 158.66          | -33.8          | 0.066       | 4                  |
| 1454       |                                       | 02:56.8          | 20:12            | 158.9           | -33.77         | 0.86        | 3                  |
| 1455       | 204                                   | 03:28.1          | 30:10            | 158.87          | -21.56         | 0.025       | 5                  |
| 1456       |                                       | 03:55.3          | 37:09            | 158.88          | -12.58         | 0.044       | 3                  |
| 1457       |                                       | 02:55.8          | 19:32            | 159.11          | -34.45         | 0.262       | 4                  |
| 1458       |                                       | 02:57.8          | 20:12            | 159.14          | -33.64         | 0.056       | 4                  |
| 1459       |                                       | 04:08.4          | 39:38            | 159.13          | -9.02          | 9.73        | 1                  |
| 1460       |                                       | 05:44.0          | 52:21            | 159.59          | 11.74          | 0.181       | 3                  |
| 1461       |                                       | 04:41.9          | 44:56            | 159.66          | -0.88          | 0.05        | 3                  |
| 1462       |                                       | 04:00.3          | 36:58            | 159.77          | -12.05         | 0.03        | 5                  |
| 1463       |                                       | 04:01.3          | 36:53            | 159.98          | -11.98         | 0.027       | 3                  |
| 1464       |                                       | 04:00.7          | 36:40            | 160.03          | -12.22         | 0.004       | 5                  |
| 1465       | 25                                    | 04:52.7          | 46:00            | 160.06          | 1.25           | 0.077       | 3                  |
| 1466       |                                       | 05:48.0          | 52:11            | 160.04          | 12.19          | 0.124       | 4                  |
| 1467       |                                       | 05:49.0          | 52:11            | 160.12          | 12.32          | 0.029       | 3                  |
| 1468       |                                       | 03:40.1          | 31:25            | 160.23          | -18.98         | 0.12        | 5                  |
| 1469       |                                       | 04:03.1          | 36:38            | 160.42          | -11.92         | 0.006       | 4                  |
| 1470       | 4; ; ; 3                              | 03:43.1          | 31:49            | 160.47          | -18.26         | 0.403       | 5                  |
| 1471       | 5                                     | 03:48.0          | 32:54            | 160.56          | -16.78         | 0.097       | 5                  |
| 1472       | 2; ; ; 1                              | 03:41.1          | 31:10            | 160.57          | -19.04         | 3.58        | 4                  |
| 1473       |                                       | 04:11.3          | 38:08            | 160.6           | -9.71          | 0.148       | 4                  |
| 1474       |                                       | 04:48.6          | 44:05            | 161.07          | -0.53          | 4.64        | 1                  |
| 1475       |                                       | 05:03.6          | 45:04            | 161.98          | 2.18           | 0.368       | 2                  |
| 1476       |                                       | 05:03.6          | 44:34            | 162.38          | 1.87           | 0.106       | 3                  |
| 1477       |                                       | 05:03.6          | 44:04            | 162.77          | 1.56           | 0.278       | 4                  |
| 1478       |                                       | 04:23.3          | 37:07            | 163.03          | -8.76          | 4.44        | 3                  |
| 1479       |                                       | 04:38.4          | 39:36            | 163.23          | -4.9           | 1.53        | 1                  |
| 1480       |                                       | 05:05.6          | 43:34            | 163.39          | 1.54           | 0.097       | 2                  |
| 1481       |                                       | 04:39.4          | 38:16            | 164.35          | -5.64          | 0.553       | 3                  |
| 1482       |                                       | 04:28.3          | 35:37            | 164.83          | -9.07          | 0.13        | 1                  |
| 1483       |                                       | 04:35.3          | 36:26            | 165.19          | -7.46          | 0.217       | 4                  |
| 1484       |                                       | 04:03.1          | 29:08            | 165.72          | -17.4          | 0.445       | 1                  |
| 1485       |                                       | 04:37.3          | 35:41            | 166.02          | -7.66          | 0.316       | 1                  |
| 1486       |                                       | 04:08.1          | 29:08            | 166.55          | -16.64         | 0.48        | 1                  |
| 1487       |                                       | 04:39.3          | 34:56            | 166.86          | -7.86          | 0.94        | 3                  |
| 1488       |                                       | 04:53.4          | 36:42            | 167.35          | -4.54          | 0.568       | 2                  |
| 1489       |                                       | 04:04.7          | 26:28            | 167.96          | -19.05         | 0.027       | 5                  |
| 1490       |                                       | 04:52.0          | 35:40            | 167.98          | -5.4           | 0.075       | 4                  |
| 1491       |                                       | 04:04.6          | 26:17            | 168.08          | -19.2          | 0.004       | 5                  |
| 1492       |                                       | 04:49.3          | 35:05            | 168.08          | -6.19          | 1.25        | 1                  |
| 1493       |                                       | 04:54.3          | 35:40            | 168.28          | -5.03          | 0.463       | 2                  |
| 1494       |                                       | 04:54.2          | 35:13            | 168.62          | -5.33          | 0.011       | 4                  |
| 1495       | 7; ; 10; 211; 209; 216; 213; 218; 217 | 04:18.1          | 27:37            | 169.27          | -16.13         | 2.6         | 5                  |
| 1496       |                                       | 04:43.2          | 32:06            | 169.58          | -9.08          | 0.71        | 3                  |
| 1497       |                                       | 04:27.1          | 28:37            | 169.92          | -13.99         | 0.725       | 2                  |
| 1498       |                                       | 04:11.0          | 24:58            | 170.14          | -19.11         | 0.118       | 5                  |
| 1499       |                                       | 04:10.5          | 24:48            | 170.18          | -19.3          | 0.072       | 3                  |
| 1500       | 219                                   | 04:33.1          | 29:26            | 170.19          | -12.46         | 0.972       | 3                  |
| 1501       |                                       | 04:15.0          | 25:07            | 170.68          | -18.34         | 1.2         | 2                  |
| 1502       |                                       | 05:03.3          | 34:04            | 170.68          | -4.57          | 0.484       | 1                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i>      | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|---------------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1504       |                     | 04:41.2          | 29:56            | 170.97          | -10.82         | 0.336       | 1                  |
| 1505       |                     | 04:48.2          | 31:05            | 171.05          | -8.91          | 1.05        | 1                  |
| 1506       |                     | 04:20.0          | 25:17            | 171.37          | -17.4          | 0.334       | 6                  |
| 1507       | 24                  | 04:43.2          | 29:46            | 171.38          | -10.6          | 0.09        | 5                  |
| 1508       |                     | 04:41.1          | 29:06            | 171.62          | -11.36         | 0.183       | 3                  |
| 1509       |                     | 05:34.2          | 37:17            | 171.66          | 2.41           | 0.108       | 3                  |
| 1510       |                     | 05:16.3          | 34:48            | 171.68          | -1.97          | 0.252       | 3                  |
| 1511       |                     | 04:20.0          | 24:47            | 171.75          | -17.74         | 0.3         | 3                  |
| 1512       |                     | 05:03.8          | 32:47            | 171.76          | -5.27          | 0.016       | 6                  |
| 1513       |                     | 04:52.2          | 30:50            | 171.79          | -8.41          | 0.057       | 4                  |
| 1514       |                     | 04:42.6          | 29:06            | 171.83          | -11.11         | 0.05        | 4                  |
| 1515       |                     | 04:53.2          | 30:55            | 171.87          | -8.19          | 0.147       | 3                  |
| 1516       |                     | 05:23.3          | 35:03            | 172.31          | -0.65          | 5.62        | 1                  |
| 1517       | 28; ; 27; ; 26      | 04:55.2          | 30:35            | 172.4           | -8.06          | 0.051       | 6                  |
| 1518       |                     | 05:39.4          | 37:02            | 172.43          | 3.15           | 4.6         | 1                  |
| 1519       |                     | 04:55.7          | 30:35            | 172.47          | -7.98          | 0.063       | 4                  |
| 1520       |                     | 04:44.1          | 28:26            | 172.57          | -11.29         | 0.398       | 1                  |
| 1521       | 22; ; 19; ; 14; 220 | 04:33.1          | 26:06            | 172.76          | -14.66         | 4.1         | 4                  |
| 1522       | 222                 | 05:07.2          | 32:04            | 172.79          | -5.11          | 0.018       | 4                  |
| 1523       | 29                  | 05:06.2          | 31:44            | 172.92          | -5.48          | 0.017       | 6                  |
| 1524       | 215; 212; 210       | 04:28.0          | 24:37            | 173.16          | -16.5          | 0.324       | 5                  |
| 1525       |                     | 05:42.0          | 36:19            | 173.3           | 3.22           | 0.006       | 4                  |
| 1526       |                     | 05:28.6          | 34:31            | 173.35          | -0.05          | 0.003       | 4                  |
| 1527       |                     | 04:39.1          | 26:16            | 173.53          | -13.53         | 0.01        | 6                  |
| 1528       |                     | 04:37.1          | 25:46            | 173.63          | -14.2          | 2           | 3                  |
| 1529       | 18                  | 04:32.0          | 24:26            | 173.91          | -15.92         | 0.223       | 5                  |
| 1530       |                     | 05:23.3          | 33:03            | 173.95          | -1.79          | 0.045       | 3                  |
| 1531       |                     | 04:32.0          | 24:19            | 174             | -16            | 0.014       | 3                  |
| 1532       |                     | 04:40.1          | 25:46            | 174.08          | -13.68         | 0.112       | 4                  |
| 1533       |                     | 04:36.2          | 24:55            | 174.18          | -14.88         | 0.011       | 5                  |
| 1534       |                     | 04:40.1          | 25:36            | 174.21          | -13.79         | 0.87        | 5                  |
| 1535       |                     | 04:35.5          | 23:54            | 174.87          | -15.66         | 0.111       | 6                  |
| 1536       |                     | 04:33.0          | 23:06            | 175.12          | -16.62         | 1.5         | 4                  |
| 1537       |                     | 04:51.1          | 26:25            | 175.15          | -11.34         | 0.382       | 3                  |
| 1538       |                     | 04:46.1          | 25:05            | 175.49          | -13.06         | 3           | 4                  |
| 1539       |                     | 04:56.1          | 26:35            | 175.72          | -10.36         | 2.23        | 1                  |
| 1540       |                     | 05:01.1          | 26:09            | 176.75          | -9.73          | 0.282       | 4                  |
| 1541       |                     | 04:44.0          | 22:46            | 177.07          | -14.88         | 0.352       | 1                  |
| 1542       |                     | 05:01.1          | 25:34            | 177.22          | -10.08         | 0.626       | 3                  |
| 1543       |                     | 04:27.4          | 18:52            | 177.66          | -20.35         | 0.09        | 5                  |
| 1544       |                     | 05:04.1          | 25:14            | 177.91          | -9.74          | 0.109       | 6                  |
| 1545       |                     | 05:15.3          | 26:43            | 178.18          | -6.82          | 0.052       | 3                  |
| 1546       |                     | 04:28.9          | 18:27            | 178.25          | -20.34         | 0.37        | 4                  |
| 1547       |                     | 05:16.1          | 26:23            | 178.55          | -6.86          | 0.049       | 5                  |
| 1548       |                     | 05:16.1          | 26:13            | 178.69          | -6.96          | 0.061       | 4                  |
| 1549       |                     | 05:17.1          | 26:13            | 178.82          | -6.78          | 0.079       | 4                  |
| 1550       |                     | 06:00.3          | 32:10            | 178.81          | 4.36           | 0.041       | 3                  |
| 1551       |                     | 04:31.4          | 18:06            | 178.92          | -20.1          | 0.043       | 6                  |
| 1552       |                     | 05:17.7          | 26:03            | 179.04          | -6.76          | 0.009       | 6                  |
| 1553       |                     | 05:19.1          | 26:13            | 179.08          | -6.41          | 0.087       | 2                  |
| 1554       |                     | 05:20.0          | 26:13            | 179.2           | -6.24          | 0.005       | 4                  |
| 1555       |                     | 06:01.3          | 31:50            | 179.21          | 4.37           | 0.09        | 4                  |
| 1556       |                     | 04:37.4          | 16:56            | 180.85          | -19.71         | 0.05        | 5                  |
| 1557       |                     | 06:06.2          | 30:00            | 181.34          | 4.41           | 1.04        | 3                  |
| 1558       |                     | 04:45.9          | 17:05            | 182.02          | -18            | 0.713       | 2                  |
| 1559       |                     | 05:26.0          | 23:03            | 182.62          | -6.88          | 1.35        | 1                  |
| 1560       |                     | 06:13.2          | 27:59            | 183.84          | 4.78           | 2.3         | 2                  |
| 1561       |                     | 04:50.8          | 12:17            | 186.87          | -19.87         | 0.274       | 1                  |
| 1562       |                     | 05:01.8          | 14:04            | 186.94          | -16.64         | 0.152       | 3                  |
| 1563       |                     | 05:01.8          | 13:49            | 187.15          | -16.79         | 0.052       | 5                  |
| 1564       |                     | 06:18.0          | 23:14            | 188.56          | 3.5            | 0.033       | 4                  |
| 1565       |                     | 06:21.0          | 23:19            | 188.81          | 4.15           | 0.252       | 1                  |
| 1566       |                     | 06:21.0          | 23:09            | 188.96          | 4.07           | 0           | 3                  |
| 1567       |                     | 06:22.5          | 23:18            | 188.98          | 4.45           | 0           | 3                  |
| 1568       |                     | 06:23.0          | 22:58            | 189.33          | 4.4            | 0           | 3                  |
| 1569       |                     | 04:01.1          | 00:38            | 189.54          | -36.67         | 0.631       | 2                  |
| 1570       | 227                 | 06:07.0          | 19:20            | 190.75          | -0.63          | 0.02        | 4                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1572       |                | 05:10.8          | 10:34            | 191.25          | -16.77         | 0.079       | 4                  |
| 1573       |                | 05:30.8          | 13:32            | 191.35          | -11.03         | 1.04        | 2                  |
| 1574       |                | 06:07.7          | 18:30            | 191.57          | -0.88          | 0.022       | 4                  |
| 1576       |                | 06:08.3          | 18:10            | 191.93          | -0.92          | 0.049       | 4                  |
| 1577       | 31; ; 30       | 05:29.8          | 12:32            | 192.08          | -11.77         | 0.412       | 4                  |
| 1578       |                | 06:08.4          | 17:59            | 192.09          | -0.98          | 0.049       | 4                  |
| 1579       |                | 05:39.8          | 13:47            | 192.3           | -9.04          | 0.317       | 1                  |
| 1580       |                | 05:33.8          | 12:52            | 192.32          | -10.76         | 0.222       | 1                  |
| 1581       |                | 05:29.4          | 12:12            | 192.32          | -12.03         | 0.001       | 5                  |
| 1582       |                | 05:31.8          | 12:32            | 192.35          | -11.35         | 0.011       | 5                  |
| 1583       | 225            | 05:28.8          | 12:02            | 192.39          | -12.24         | 0.057       | 5                  |
| 1584       |                | 05:31.6          | 12:17            | 192.54          | -11.53         | 0.014       | 4                  |
| 1585       | 32             | 05:40.8          | 13:21            | 192.78          | -9.05          | 0.059       | 3                  |
| 1586       |                | 06:05.9          | 16:00            | 193.54          | -2.48          | 7.31        | 1                  |
| 1587       |                | 06:07.9          | 16:00            | 193.77          | -2.06          | 7.31        | 1                  |
| 1588       | 223            | 05:20.7          | 08:23            | 194.53          | -15.84         | 0.159       | 3                  |
| 1589       |                | 05:18.3          | 07:23            | 195.09          | -16.87         | 0.027       | 2                  |
| 1590       |                | 05:20.7          | 07:23            | 195.42          | -16.37         | 0.85        | 4                  |
| 1591       |                | 06:09.8          | 13:39            | 196.05          | -2.78          | 0.068       | 3                  |
| 1594       |                | 05:44.7          | 09:01            | 197.07          | -10.41         | 0.059       | 5                  |
| 1595       | 35             | 05:27.7          | 06:32            | 197.09          | -15.31         | 1.07        | 2                  |
| 1596       |                | 05:45.7          | 09:01            | 197.2           | -10.2          | 0.041       | 4                  |
| 1597       |                | 05:50.2          | 08:41            | 198.06          | -9.4           | 0.032       | 4                  |
| 1598       |                | 05:52.4          | 08:21            | 198.62          | -9.09          | 0.072       | 5                  |
| 1599       | 36             | 05:49.7          | 07:31            | 199.02          | -10.09         | 0.181       | 4                  |
| 1600       |                | 06:30.8          | 12:58            | 199.07          | 1.4            | 0.396       | 3                  |
| 1601       |                | 06:29.8          | 12:23            | 199.47          | 0.91           | 0.066       | 5                  |
| 1602       |                | 05:44.7          | 06:01            | 199.72          | -11.91         | 0.378       | 4                  |
| 1604       |                | 06:28.8          | 11:38            | 200.02          | 0.34           | 0.008       | 5                  |
| 1605       | 37; ; 38       | 06:32.8          | 10:38            | 201.36          | 0.74           | 1.25        | 4                  |
| 1606       |                | 06:29.8          | 10:13            | 201.38          | -0.11          | 0.043       | 4                  |
| 1607       |                | 06:30.8          | 10:18            | 201.42          | 0.15           | 0.015       | 5                  |
| 1608       |                | 06:36.8          | 10:47            | 201.67          | 1.69           | 0.045       | 5                  |
| 1609       |                | 06:36.3          | 10:27            | 201.91          | 1.43           | 0.016       | 5                  |
| 1610       | 39             | 06:38.0          | 10:27            | 202.1           | 1.8            | 0.019       | 5                  |
| 1611       |                | 06:00.7          | 05:00            | 202.59          | -8.92          | 0.233       | 3                  |
| 1612       |                | 06:02.7          | 04:40            | 203.12          | -8.64          | 0.079       | 3                  |
| 1613       |                | 06:40.7          | 09:27            | 203.3           | 1.95           | 0           | 3                  |
| 1614       |                | 05:35.5          | -00:38           | 203.39          | -16.48         | 0.004       | 5                  |
| 1615       |                | 05:05.5          | -03:26           | 203.42          | -25.06         | 0.084       | 2                  |
| 1616       |                | 05:06.5          | -03:26           | 203.55          | -24.84         | 0.016       | 5                  |
| 1617       |                | 05:54.6          | 03:00            | 203.64          | -11.2          | 7.75        | 3                  |
| 1618       |                | 06:05.6          | 04:20            | 203.78          | -8.15          | 0.172       | 4                  |
| 1619       |                | 06:04.6          | 04:10            | 203.81          | -8.45          | 0.038       | 5                  |
| 1620       |                | 05:36.6          | -00:08           | 203.97          | -16.5          | 0.012       | 5                  |
| 1621       |                | 05:55.0          | 02:20            | 204.28          | -11.43         | 0.027       | 4                  |
| 1622       |                | 05:54.6          | 02:00            | 204.53          | -11.67         | 0.122       | 6                  |
| 1623       |                | 06:07.6          | 03:30            | 204.76          | -8.11          | 0.131       | 1                  |
| 1624       |                | 05:57.6          | 02:00            | 204.9           | -11.02         | 0           | 2                  |
| 1625       |                | 06:27.7          | 05:58            | 204.91          | -2.53          | 19.4        | 1                  |
| 1626       |                | 06:44.7          | 07:57            | 205.09          | 2.13           | 1.17        | 3                  |
| 1627       |                | 05:46.6          | 00:01            | 205.36          | -14.39         | 0.063       | 6                  |
| 1628       |                | 06:12.6          | 02:59            | 205.8           | -7.24          | 3.36        | 2                  |
| 1629       |                | 06:09.6          | 02:29            | 205.89          | -8.14          | 1.18        | 3                  |
| 1630       | 33             | 05:45.5          | -00:59           | 206.15          | -15.08         | 5.98        | 4                  |
| 1631       |                | 06:44.2          | 06:22            | 206.44          | 1.29           | 0.023       | 4                  |
| 1632       |                | 05:59.6          | 00:30            | 206.49          | -11.29         | 2.35        | 1                  |
| 1633       |                | 06:24.6          | 03:28            | 206.77          | -4.36          | 0.106       | 4                  |
| 1634       |                | 05:18.5          | -05:47           | 207.35          | -23.29         | 0.492       | 2                  |
| 1635       |                | 05:41.1          | -03:09           | 207.6           | -17.07         | 0.008       | 4                  |
| 1636       |                | 05:41.4          | -03:10           | 207.66          | -17.01         | 0.003       | 4                  |
| 1637       |                | 06:43.6          | 03:57            | 208.53          | 0.07           | 0.964       | 2                  |
| 1638       |                | 05:57.5          | -02:30           | 208.96          | -13.13         | 2.39        | 2                  |
| 1639       |                | 06:51.6          | 04:26            | 209             | 2.07           | 0.97        | 3                  |
| 1640       |                | 05:33.5          | -05:48           | 209.18          | -19.97         | 0.018       | 5                  |
| 1641       |                | 05:37.4          | -06:58           | 210.76          | -19.61         | 6.27        | 4                  |
| 1642       |                | 04:35.3          | -14:14           | 210.89          | -36.51         | 0.372       | 3                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1644       |                | 06:07.7          | -05:30           | 212.89          | -12.24         | 0.007       | 5                  |
| 1645       |                | 06:07.0          | -05:40           | 212.96          | -12.47         | 0.052       | 4                  |
| 1646       |                | 06:07.4          | -06:00           | 213.32          | -12.51         | 3.14        | 3                  |
| 1647       |                | 05:42.4          | -09:59           | 214.2           | -19.83         | 4.23        | 3                  |
| 1648       |                | 05:52.4          | -09:09           | 214.55          | -17.25         | 1.85        | 2                  |
| 1649       |                | 06:58.1          | -03:57           | 217.21          | -0.32          | 0.005       | 3                  |
| 1650       |                | 06:59.5          | -04:54           | 218.21          | -0.45          | 0.016       | 2                  |
| 1651       |                | 06:22.4          | -09:52           | 218.52          | -10.89         | 0.255       | 2                  |
| 1652       |                | 06:26.4          | -10:02           | 219.11          | -10.08         | 1.16        | 2                  |
| 1653       |                | 06:57.8          | -07:56           | 220.72          | -2.2           | 0.012       | 3                  |
| 1654       |                | 06:59.4          | -07:44           | 220.73          | -1.76          | 0.05        | 3                  |
| 1655       |                | 06:56.6          | -08:14           | 220.85          | -2.6           | 0.014       | 4                  |
| 1656       |                | 06:56.5          | -08:24           | 220.99          | -2.7           | 0.077       | 3                  |
| 1657       |                | 07:04.4          | -10:25           | 223.66          | -1.89          | 1.08        | 3                  |
| 1658       |                | 07:14.4          | -11:05           | 225.4           | -0.03          | 0           | 2                  |
| 1659       |                | 07:17.6          | -23:20           | 236.63          | -5.02          | 0.045       | 4                  |
| 1660       |                | 07:20.1          | -23:56           | 237.41          | -4.79          | 0.047       | 4                  |
| 1661       |                | 07:22.1          | -24:06           | 237.78          | -4.46          | 0.375       | 2                  |
| 1662       |                | 07:28.1          | -23:36           | 237.99          | -3.02          | 0.128       | 2                  |
| 1663       |                | 07:32.1          | -23:06           | 237.99          | -1.97          | 0.428       | 2                  |
| 1664       |                | 07:24.1          | -24:36           | 238.43          | -4.3           | 0.154       | 3                  |
| 1665       |                | 07:35.1          | -23:37           | 238.77          | -1.61          | 0.181       | 3                  |
| 1666       |                | 07:36.1          | -24:07           | 239.32          | -1.66          | 0.027       | 4                  |
| 1667       |                | 07:25.1          | -25:46           | 239.57          | -4.65          | 0.418       | 3                  |
| 1668       |                | 07:37.0          | -24:54           | 240.1           | -1.87          | 0.02        | 4                  |
| 1669       |                | 07:56.0          | -29:38           | 246.32          | -0.6           | 0.594       | 2                  |
| 1670       |                | 08:04.5          | -31:39           | 248.99          | -0.1           | 0.038       | 1                  |
| 1671       |                | 08:06.0          | -32:09           | 249.58          | -0.11          | 0.142       | 1                  |
| 1672       |                | 16:21.1          | -28:07           | 349.37          | 15.3           | 0.74        | 4                  |
| 1673       |                | 16:30.1          | -29:26           | 349.74          | 12.94          | 0.077       | 3                  |
| 1674       |                | 16:29.8          | -28:47           | 350.2           | 13.44          | 0.009       | 3                  |
| 1675       | 229            | 16:18.1          | -26:07           | 350.41          | 17.16          | 1.1         | 4                  |
| 1676       |                | 16:21.1          | -26:07           | 350.89          | 16.67          | 2.86        | 3                  |
| 1677       | 237; 234; 239  | 16:53.2          | -32:05           | 350.95          | 7.45           | 10.16       | 1                  |
| 1678       |                | 16:16.0          | -24:37           | 351.23          | 18.52          | 0.138       | 3                  |
| 1679       | 49             | 17:02.8          | -32:54           | 351.54          | 5.36           | 0.011       | 3                  |
| 1680       |                | 16:21.0          | -24:07           | 352.43          | 18.02          | 2.86        | 4                  |
| 1681       |                | 16:27.0          | -24:47           | 352.87          | 16.56          | 0.206       | 5                  |
| 1682       | 55             | 17:08.2          | -32:06           | 352.89          | 4.92           | 0.023       | 5                  |
| 1683       |                | 16:29.0          | -25:07           | 352.92          | 16             | 2.43        | 1                  |
| 1684       |                | 16:31.1          | -25:26           | 352.97          | 15.44          | 0.084       | 4                  |
| 1685       | 56             | 17:09.2          | -32:09           | 352.97          | 4.72           | 0.004       | 5                  |
| 1686       |                | 16:25.8          | -24:20           | 353.03          | 17.06          | 0.016       | 6                  |
| 1687       |                | 16:23.0          | -23:37           | 353.14          | 18.02          | 3.17        | 3                  |
| 1688       |                | 16:26.0          | -24:07           | 353.23          | 17.17          | 0.76        | 4                  |
| 1689       |                | 16:32.0          | -25:05           | 353.4           | 15.5           | 0.007       | 6                  |
| 1690       |                | 16:26.8          | -24:03           | 353.41          | 17.08          | 0.02        | 5                  |
| 1691       |                | 17:15.3          | -32:33           | 353.39          | 3.46           | 0.987       | 3                  |
| 1692       |                | 16:26.5          | -23:57           | 353.44          | 17.2           | 0.007       | 5                  |
| 1693       |                | 17:13.2          | -32:14           | 353.41          | 3.99           | 0.014       | 3                  |
| 1694       |                | 17:10.2          | -31:44           | 353.44          | 4.8            | 0.528       | 3                  |
| 1695       | 241            | 17:03.2          | -30:34           | 353.47          | 6.7            | 0.54        | 2                  |
| 1696       | 42             | 16:28.8          | -24:20           | 353.5           | 16.55          | 0.036       | 6                  |
| 1697       |                | 17:13.2          | -32:08           | 353.48          | 4.04           | 0.027       | 3                  |
| 1698       | 252            | 17:15.2          | -32:13           | 353.66          | 3.65           | 0.038       | 5                  |
| 1699       |                | 17:15.5          | -32:11           | 353.72          | 3.62           | 0.034       | 5                  |
| 1700       |                | 17:12.2          | -31:34           | 353.82          | 4.56           | 0.535       | 2                  |
| 1701       |                | 17:16.2          | -32:06           | 353.88          | 3.55           | 0.006       | 3                  |
| 1702       |                | 17:16.2          | -31:48           | 354.12          | 3.72           | 0.059       | 3                  |
| 1703       |                | 17:18.7          | -32:06           | 354.18          | 3.12           | 0.008       | 5                  |
| 1704       |                | 16:30.8          | -23:46           | 354.25          | 16.57          | 0.01        | 6                  |
| 1705       |                | 17:20.2          | -32:08           | 354.34          | 2.84           | 0.034       | 5                  |
| 1706       |                | 17:12.2          | -30:54           | 354.36          | 4.95           | 0.95        | 3                  |
| 1707       |                | 17:13.2          | -30:59           | 354.42          | 4.73           | 0.029       | 5                  |
| 1708       |                | 17:10.2          | -30:24           | 354.51          | 5.59           | 0.047       | 4                  |
| 1709       |                | 16:33.0          | -23:46           | 354.59          | 16.19          | 0.099       | 6                  |
| 1710       |                | 17:20.7          | -31:57           | 354.55          | 2.85           | 0.106       | 5                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1712       | 44             | 16:38.0          | -24:26           | 354.83          | 14.88          | 1.56        | 5                  |
| 1713       |                | 17:11.2          | -30:12           | 354.8           | 5.54           | 0.007       | 4                  |
| 1714       |                | 17:12.2          | -30:19           | 354.84          | 5.29           | 0.006       | 5                  |
| 1715       |                | 17:12.2          | -30:14           | 354.9           | 5.34           | 0.003       | 5                  |
| 1716       | 243            | 17:10.2          | -29:44           | 355.05          | 5.99           | 0.251       | 3                  |
| 1717       | 41             | 16:18.9          | -20:07           | 355.25          | 21.04          | 0.357       | 3                  |
| 1718       |                | 17:15.2          | -30:14           | 355.27          | 4.81           | 0.005       | 5                  |
| 1719       |                | 16:19.9          | -20:07           | 355.42          | 20.87          | 0.61        | 5                  |
| 1720       |                | 17:16.2          | -30:13           | 355.41          | 4.64           | 0.093       | 4                  |
| 1721       | 40             | 16:15.9          | -19:07           | 355.55          | 22.24          | 0.287       | 3                  |
| 1722       |                | 17:16.2          | -30:03           | 355.55          | 4.74           | 7.78        | 2                  |
| 1723       |                | 17:31.3          | -32:12           | 355.59          | 0.87           | 0.005       | 5                  |
| 1724       |                | 17:31.8          | -32:13           | 355.63          | 0.77           | 0.002       | 5                  |
| 1725       | 254            | 17:19.2          | -30:23           | 355.65          | 4.02           | 0.032       | 5                  |
| 1726       | 247; 245       | 17:12.2          | -29:14           | 355.72          | 5.93           | 0.093       | 3                  |
| 1727       | 249            | 17:12.2          | -29:14           | 355.72          | 5.93           | 0.002       | 5                  |
| 1728       |                | 17:11.2          | -29:02           | 355.75          | 6.23           | 0.02        | 3                  |
| 1729       |                | 16:43.0          | -24:06           | 355.85          | 14.22          | 0.9         | 4                  |
| 1730       |                | 17:33.3          | -32:12           | 355.82          | 0.51           | 1.68        | 2                  |
| 1731       |                | 17:06.1          | -28:04           | 355.88          | 7.68           | 1.32        | 2                  |
| 1732       |                | 17:29.2          | -31:32           | 355.91          | 1.59           | 0.912       | 2                  |
| 1733       | 248            | 17:12.5          | -29:01           | 355.93          | 6.01           | 0.018       | 5                  |
| 1734       |                | 17:32.4          | -31:52           | 356.01          | 0.84           | 0.006       | 5                  |
| 1735       |                | 17:32.1          | -31:43           | 356.1           | 0.97           | 0.002       | 5                  |
| 1736       | 244            | 17:10.2          | -28:24           | 356.13          | 6.78           | 0.038       | 5                  |
| 1737       |                | 17:11.1          | -28:29           | 356.2           | 6.55           | 0.192       | 4                  |
| 1738       |                | 17:32.9          | -31:43           | 356.19          | 0.83           | 0.003       | 5                  |
| 1739       |                | 16:35.0          | -22:01           | 356.3           | 16.96          | 0.093       | 3                  |
| 1740       |                | 16:36.2          | -22:13           | 356.32          | 16.62          | 0.084       | 5                  |
| 1741       |                | 17:22.2          | -30:03           | 356.3           | 3.68           | 17.56       | 3                  |
| 1742       | 250            | 17:12.1          | -28:24           | 356.4           | 6.42           | 0.034       | 4                  |
| 1743       |                | 17:12.1          | -28:04           | 356.67          | 6.62           | 0.51        | 3                  |
| 1744       | 45             | 16:40.0          | -22:16           | 356.87          | 15.91          | 0.099       | 5                  |
| 1745       |                | 16:49.0          | -23:55           | 356.87          | 13.25          | 0.255       | 4                  |
| 1746       | 59             | 17:11.1          | -27:24           | 357.08          | 7.19           | 0.306       | 5                  |
| 1747       |                | 16:51.0          | -23:50           | 357.22          | 12.95          | 0.28        | 3                  |
| 1748       |                | 16:49.0          | -23:25           | 357.27          | 13.56          | 0.138       | 2                  |
| 1749       | 256            | 17:23.2          | -29:03           | 357.25          | 4.07           | 0.117       | 5                  |
| 1750       |                | 16:52.0          | -23:55           | 357.3           | 12.71          | 0.28        | 3                  |
| 1751       |                | 17:31.2          | -30:02           | 357.39          | 2.06           | 1.23        | 2                  |
| 1752       | 43             | 16:29.9          | -19:36           | 357.46          | 19.41          | 1.78        | 4                  |
| 1753       |                | 17:54.3          | -33:01           | 357.45          | -3.68          | 1.27        | 2                  |
| 1754       |                | 17:32.2          | -30:02           | 357.51          | 1.88           | 0.321       | 1                  |
| 1755       |                | 16:44.0          | -21:56           | 357.74          | 15.4           | 0.66        | 4                  |
| 1756       |                | 17:16.1          | -27:23           | 357.73          | 6.29           | 0.285       | 5                  |
| 1757       |                | 16:31.9          | -19:36           | 357.78          | 19.05          | 0.061       | 6                  |
| 1758       |                | 17:55.3          | -32:40           | 357.85          | -3.69          | 0.01        | 4                  |
| 1759       | 238            | 16:52.1          | -23:05           | 357.99          | 13.21          | 0.027       | 6                  |
| 1760       |                | 18:00.3          | -33:00           | 358.09          | -4.77          | 0.054       | 4                  |
| 1761       |                | 16:56.0          | -23:35           | 358.14          | 12.19          | 0.402       | 2                  |
| 1762       |                | 18:02.3          | -33:10           | 358.15          | -5.22          | 0.023       | 4                  |
| 1763       |                | 16:56.0          | -23:25           | 358.28          | 12.29          | 0.402       | 2                  |
| 1764       |                | 17:28.2          | -28:32           | 358.28          | 3.44           | 2.16        | 2                  |
| 1765       |                | 16:45.0          | -21:15           | 358.43          | 15.63          | 0.079       | 5                  |
| 1766       |                | 17:58.3          | -32:20           | 358.46          | -4.07          | 0.09        | 2                  |
| 1767       |                | 17:18.6          | -26:45           | 358.57          | 6.19           | 0.007       | 5                  |
| 1768       | 66             | 17:20.1          | -26:52           | 358.67          | 5.85           | 0.013       | 6                  |
| 1769       | 275; 278       | 17:42.2          | -30:01           | 358.68          | 0.06           | 12.5        | 4                  |
| 1770       |                | 16:32.9          | -18:36           | 358.75          | 19.5           | 0.813       | 3                  |
| 1771       | 87             | 18:04.3          | -32:40           | 358.79          | -5.34          | 0.115       | 4                  |
| 1772       | 65             | 17:19.8          | -26:38           | 358.83          | 6.04           | 0.016       | 6                  |
| 1773       | 67             | 17:21.1          | -26:48           | 358.85          | 5.71           | 0.036       | 6                  |
| 1774       |                | 17:22.6          | -27:01           | 358.87          | 5.31           | 0.029       | 6                  |
| 1775       | 46             | 16:57.0          | -22:50           | 358.9           | 12.46          | 0.008       | 6                  |
| 1776       |                | 17:33.2          | -28:32           | 358.89          | 2.53           | 2.45        | 2                  |
| 1777       |                | 16:57.0          | -22:45           | 358.97          | 12.52          | 0.05        | 4                  |
| 1778       |                | 15:39.9          | -07:10           | 359.06          | 36.75          | 0.086       | 5                  |

# LYNDS DARK NEBULAE CATALOGUE

| <i>LDN</i> | <i>Barnard</i> | <i>RA (2000)</i> | <i>Dec(2000)</i> | <i>Gal Long</i> | <i>Gal Lat</i> | <i>Area</i> | <i>Opacity 1-6</i> |
|------------|----------------|------------------|------------------|-----------------|----------------|-------------|--------------------|
| 1780       |                | 15:40.7          | -07:10           | 359.23          | 36.6           | 0.197       | 4                  |
| 1781       | 230            | 16:27.9          | -17:07           | 359.18          | 21.38          | 1.19        | 3                  |
| 1782       |                | 16:41.9          | -19:46           | 359.2           | 17.12          | 0.047       | 6                  |
| 1783       |                | 17:58.2          | -31:30           | 359.18          | -3.65          | 0.079       | 2                  |
| 1784       |                | 16:59.8          | -22:54           | 359.23          | 11.9           | 0.027       | 4                  |
| 1785       |                | 17:00.0          | -22:54           | 359.25          | 11.86          | 0.027       | 4                  |
| 1786       | 300            | 18:06.7          | -32:23           | 359.29          | -5.64          | 0.011       | 4                  |
| 1787       |                | 17:00.0          | -22:44           | 359.39          | 11.96          | 0.09        | 3                  |
| 1788       |                | 17:53.2          | -30:41           | 359.35          | -2.31          | 0.084       | 3                  |
| 1789       |                | 18:08.3          | -32:30           | 359.35          | -5.99          | 0.767       | 3                  |
| 1790       |                | 17:11.1          | -24:34           | 359.4           | 8.85           | 1.08        | 3                  |
| 1791       | 47             | 16:59.6          | -22:35           | 359.46          | 12.13          | 0.017       | 5                  |
| 1793       |                | 17:25.6          | -26:33           | 359.63          | 5.02           | 1.08        | 2                  |
| 1794       |                | 17:26.4          | -26:39           | 359.65          | 4.81           | 0.006       | 5                  |
| 1795       |                | 17:54.7          | -30:31           | 359.66          | -2.5           | 0.084       | 4                  |
| 1796       |                | 16:41.9          | -19:06           | 359.75          | 17.53          | 0.344       | 3                  |
| 1797       |                | 17:02.0          | -22:34           | 359.81          | 11.69          | 0.149       | 3                  |
| 1798       | 295            | 18:04.2          | -31:30           | 359.81          | -4.76          | 0.018       | 4                  |
| 1799       |                | 16:46.9          | -19:40           | 0.03            | 16.24          | 0.017       | 4                  |
| 1800       |                | 17:01.5          | -22:14           | 0.01            | 11.98          | 0.015       | 3                  |
| 1801       |                | 17:50.2          | -29:31           | 0.02            | -1.15          | 2.77        | 2                  |
| 1802       |                | 17:02.3          | -22:13           | 0.14            | 11.84          | 0.016       | 3                  |