

A MASTER LIST OF NON-STELLAR OBJECTS

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It has been nearly 70 years since Dreyer completed his famous NGC and IC compendia of all the 13,000 non-stellar objects known in his time. Since then, the number of these objects known has increased by an order of magnitude, but this knowledge is scattered throughout the astronomical literature in such a way that it is nearly inaccessible from a practical standpoint to any individual.

The present work is an amalgamation of all known catalogs of non-stellar objects, in a uniform, easily readable form. It is intended not only for astronomers, but also for scientists and engineers in other fields who have need for rapid access to this basic reference data. The types of objects included are galaxies (including both normal and all specialized types such as interacting, peculiar, dwarf, Seyfert, etc.), clusters of galaxies, nebulae of all kinds (planetary, reflection, emission, absorption, etc.), blue objects, groups of stars (open and globular clusters, associations, rings, chains, etc.), quasi-stellar objects, supernovae and others. The information given for each object includes name, 1950.0 position, angular diameter in arcseconds, magnitude, description, and original reference. A portion of the work is shown in Figure 1. Approximately 185,000 listings appear in the full master list.

The specific purposes the work is intended to fulfill are:

1. To provide a moderate amount of information about every known non-stellar object, recognizing that it is not possible in a single work to include all known information about all known objects.
2. To serve as a pointer to the astronomical literature, for deeper study. Complete references are provided for this purpose.
3. To enable cross-comparisons among different original catalogs to be done, both among objects of the same type and among objects of different types.

| OBJECT NAME | RIGHT ASCEN. | DECLINATION | DIAM. | MAGN. | TYPE OF OBJECT |
|----------------|--------------|--------------|-------|-------|--------------------------|
| PHL 2639 | 00 03 48. | - 18 48 | | 18.4 | BLUE STELLAR OBJECT |
| PHL 6277 | 00 03 48. | - 22 08 | | 17.1 | BLUE STELLAR OBJECT |
| TON-S 0139 | 00 03 48. | - 22 09 | | 15.1 | BLUE STAR |
| LB 04974 | 00 03 48. | - 29 35 | | 17.4 | FAINT BLUE STAR |
| LB 04975 | 00 03 48. | - 29 43 | | 18.9 | FAINT BLUE STAR |
| LB 04976 | 00 03 48. | - 30 35 | | 17.4 | FAINT BLUE STAR |
| AGU 01 | 00 03 48. | - 41 45 00. | | 12.5 | 2 INTERACTING GALAXIES |
| LE 01542 | 00 03 48. | - 48 03 | | 14.3 | FAINT BLUE STAR |
| BC 3CR2 | 00 03 48.70 | - 00 21 06.6 | | 19.35 | QUASI-STELLAR OBJECT |
| RNGC 7829 | 00 03 49. | - 13 41 | | 14.0 | GALAXY |
| RNGC 7828 | 00 03 49. | - 13 41 | | 14.0 | GALAXY |
| PHL 6279 | 00 03 54. | - 06 14 | | 18.1 | BLUE STELLAR OBJECT |
| LB 04977 | 00 03 54. | - 30 23 | | 19.2 | FAINT BLUE STAR |
| LE 01543 | 00 03 54. | - 46 31 | | 15.1 | FAINT BLUE STAR |
| RNGC 7833 | 00 03 55. | + 27 22 | | | NON-EXISTENT OBJECT |
| HOLM 001B | 00 03 58. | + 04 51 | 12 | 14.8 | PART OF MULTIPLE GALAXY |
| LE 00402 | 00 03 58. | + 29 56 06. | | 17.7 | FAINT BLUE STAR |
| AFC 2708 | 00 03 58. | - 17 12 | | 17.4 | RICH CLUSTER OF GALAXIES |
| LBN 0585 | 00 04 | + 65 21 | 60 | | BRIGHT NEBULA |
| PHL 0664 | 00 04 00. | + 07 56 | | 17.1 | BLUE STELLAR OBJECT |
| UGC 00047 | 00 04 00. | + 17 00 | 84 | 17. | GALAXY |
| ZC 0004.0+2446 | 00 04 00. | + 24 46 | 1810 | | CLUSTER OF GALAXIES |
| UGC 00048 | 00 04 00. | + 47 36 | 126 | 16.0 | GALAXY SP C |
| ISS 0001 | 00 04 00. | + 63 31 | 136 | | STELLAR PING |
| LDN 1275 | 00 04 00. | + 67 10 | 540 | | DARK NEBULA |

Figure 1 - A sample page from the master list.

4. To make all the original catalogs available in computer-readable form. This form generally includes not only the information included in this work, but often whatever other information the original author provided.

A special attempt has been made to make this work as self-explanatory and uncluttered as possible. Abbreviations and special symbols have been avoided. Consistent and simple units of measure have been used, and no subsidiary tables or detailed explanation are required to understand and utilize all of the basic data presented. No new nomenclature has been introduced; that assigned by the original author has been retained.

This master list will be made available in both book and magnetic tape form. The magnetic tape form will be updated indefinitely to include all new catalogs that are published, and to incorporate errata.