

MESSIER 1

| Catalogue | Const | Date | Type | Mag | Size | Comments |
|-----------|-------|--------|--------|------|--------------|------------------|
| M110 | And | 31-Oct | GX | 8.9 | 19.5'x11.5' | R00:40.3 D+41:41 |
| M32 | And | 31-Oct | GX | 9.1 | 8.5'x6.5' | R00:42.6 D+40:52 |
| M31 | And | 31-Oct | GX | 4.3 | 189.1'x61.7' | R00:42.7 D+41:16 |
| M103 | Cas | 13-Nov | OC | 7.0 | 6' | R01:33.3 D+60:39 |
| M33 | Tri | 13-Nov | GX | 6.2 | 68.7'x41.6' | R01:33.8 D+30:40 |
| M74 | Psc | 14-Nov | GX | 9.8 | 10'x9.4' | R01:36.6 D+15:47 |
| M76 | Per | 15-Nov | PN | 12.0 | 4.8' | R01:42.3 D+51:34 |
| M34 | Per | 1-Dec | OC | 6.0 | 35' | R02:42.0 D+42:46 |
| M77 | Cet | 1-Dec | GX | 9.7 | 7.3'x6.3' | R02:42.6 D-00:01 |
| M45 | Tau | 17-Dec | OC | 1.6 | 120' | R03:47.5 D+24:07 |
| M79 | Lep | 7-Jan | GC | 8.5 | 8.7' | R05:24.1 D-24:31 |
| M38 | Aur | 7-Jan | OC | 7.0 | 21' | R05:28.6 D+35:51 |
| M1 | Tau | 8-Jan | SNR | 8.4 | 6'x4' | R05:34.5 D+22:01 |
| M42 | Ori | 8-Jan | OC+BN | 4.0 | 66' | R05:35.2 D-05:23 |
| M43 | Ori | 8-Jan | BN | 9.0 | 20' | R05:35.5 D-05:16 |
| M36 | Aur | 8-Jan | OC | 6.5 | 12' | R05:36.3 D+34:08 |
| M78 | Ori | 9-Jan | BN | 8.0 | 8' | R05:46.7 D+00:05 |
| M37 | Aur | 10-Jan | OC | 6.0 | 24' | R05:52.3 D+32:33 |
| M35 | Gem | 11-Jan | OC | 5.5 | 28' | R06:09.0 D+24:21 |
| M41 | CMa | 15-Jan | OC | 5.0 | 38' | R06:46.0 D-20:45 |
| M50 | Mon | 17-Jan | OC | 7.0 | 16' | R07:02.6 D-08:23 |
| M47 | Pup | 20-Jan | OC | 4.5 | 30' | R07:36.5 D-14:29 |
| M46 | Pup | 21-Jan | OC | 6.5 | 27' | R07:41.7 D-14:49 |
| M93 | Pup | 21-Jan | OC | 6.5 | 22' | R07:44.5 D-23:51 |
| M48 | Hya | 23-Feb | OC | 5.5 | 54' | R08:13.7 D-05:45 |
| M44 | Cnc | 2-Mar | OC | 4.0 | 95' | R08:40.3 D+19:40 |
| M67 | Cnc | 5-Mar | OC | 7.5 | 30' | R08:51.2 D+11:48 |
| M81 | UMa | 21-Mar | GX | 7.8 | 24.9'x11.5' | R09:55.5 D+69:04 |
| M82 | UMa | 21-Mar | GX | 9.2 | 10.5'x5.1' | R09:55.8 D+69:41 |
| M95 | Leo | 2-Apr | GX | 10.6 | 7.3'x4.4' | R10:43.9 D+11:42 |
| M96 | Leo | 2-Apr | GX | 10.1 | 7.8'x5.2' | R10:46.7 D+11:49 |
| M105 | Leo | 3-Apr | GX | 10.5 | 5.3'x4.8' | R10:47.8 D+12:35 |
| M108 | UMa | 9-Apr | GX | 10.6 | 8.6'x2.4' | R11:11.5 D+55:40 |
| M97 | UMa | 9-Apr | PN | 12.0 | 3.2' | R11:14.7 D+55:01 |
| M65 | Leo | 11-Apr | GX | 10.1 | 9'x2.3' | R11:18.9 D+13:06 |
| M66 | Leo | 11-Apr | GX | 9.7 | 9.1'x4.1' | R11:20.2 D+12:59 |
| M109 | UMa | 20-Apr | GX | 10.6 | 7.5'x4.4' | R11:57.5 D+53:22 |
| M98 | Com | 24-Apr | GX | 10.9 | 9.4'x2.3' | R12:13.8 D+14:54 |
| M99 | Com | 26-Apr | GX | 10.4 | 5.3'x4.6' | R12:18.8 D+14:25 |
| M106 | CVn | 26-Apr | GX | 9.1 | 17.4'x6.6' | R12:18.9 D+47:18 |
| M61 | Vir | 26-Apr | GX | 10.1 | 6.5'x5.9' | R12:21.9 D+04:28 |
| M40 | UMa | 27-Apr | D*+Ast | 8.7 | 1' | R12:22.1 D+58:05 |
| M100 | Com | 27-Apr | GX | 10.1 | 7.5'x6.1' | R12:22.9 D+15:49 |
| M84 | Vir | 27-Apr | GX | 10.2 | 6.7'x6' | R12:25.0 D+12:53 |
| M85 | Com | 27-Apr | GX | 10.0 | 7.4'x5.9' | R12:25.4 D+18:11 |
| M86 | Vir | 28-Apr | GX | 9.9 | 9.8'x6.3' | R12:26.1 D+12:57 |
| M49 | Vir | 28-Apr | GX | 9.3 | 9.8'x8.2' | R12:29.7 D+08:00 |
| M87 | Vir | 29-Apr | GX | 9.6 | 8.7'x6.6' | R12:30.8 D+12:23 |
| M88 | Com | 29-Apr | GX | 10.2 | 6.8'x3.7' | R12:31.9 D+14:25 |
| M91 | Com | 30-Apr | GX | 10.9 | 5.2'x4.2' | R12:35.4 D+14:30 |
| M89 | Vir | 30-Apr | GX | 10.9 | 5.3'x4.8' | R12:35.6 D+12:33 |
| M90 | Vir | 30-Apr | GX | 10.2 | 9.9'x4.4' | R12:36.8 D+13:10 |
| M58 | Vir | 30-Apr | GX | 10.4 | 6'x4.8' | R12:37.7 D+11:49 |
| M68 | Hya | 1-May | GC | 9.0 | 12' | R12:39.4 D-26:45 |

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| M104 | Vir | 1-May | GX | 9.2 | 8.6'x4.2' | R12:39.9 D-11:37 |
| M59 | Vir | 2-May | GX | 10.7 | 5.3'x4' | R12:42.0 D+11:39 |
| M60 | Vir | 2-May | GX | 9.8 | 7.6'x6.2' | R12:43.6 D+11:33 |
| M94 | CVn | 4-May | GX | 8.9 | 12.3'x10.8' | R12:50.8 D+41:07 |
| M64 | Com | 5-May | GX | 9.3 | 10.3'x5' | R12:56.7 D+21:41 |
| M53 | Com | 10-May | GC | 8.5 | 12.6' | R13:12.9 D+18:10 |
| M63 | CVn | 11-May | GX | 9.3 | 12.6'x7.5' | R13:15.8 D+42:02 |
| M51 | CVn | 14-May | GX | 8.9 | 10.8'x6.6' | R13:29.8 D+47:12 |
| M83 | Hya | 16-May | GX | 8.0 | 13.1'x12.2' | R13:37.0 D-29:52 |
| M3 | CVn | 17-May | GC | 7.0 | 16.2' | R13:42.1 D+28:23 |
| M101 | UMa | 23-May | GX | 8.2 | 28.5'x28.3' | R14:03.2 D+54:21 |
| M102 | Dra | 8-Jun | GX | 10.8 | 6.5'x3.1' | R15:06.4 D+55:46 |
| M5 | Ser | 11-Jun | GC | 7.0 | 17.4' | R15:18.5 D+02:05 |
| M80 | Sco | 25-Jun | GC | 8.5 | 8.9' | R16:17.0 D-22:59 |
| M4 | Sco | 26-Jun | GC | 7.5 | 26.3' | R16:23.5 D-26:32 |
| M107 | Oph | 29-Jun | GC | 10.0 | 10' | R16:32.5 D-13:03 |
| M13 | Her | 1-Jul | GC | 7.0 | 16.6' | R16:41.6 D+36:28 |
| M12 | Oph | 2-Jul | GC | 8.0 | 14.5' | R16:47.2 D-01:57 |
| M10 | Oph | 5-Jul | GC | 7.5 | 15.1' | R16:57.1 D-04:06 |
| M62 | Oph | 6-Jul | GC | 8.0 | 14.1' | R17:01.2 D-30:07 |
| M19 | Oph | 6-Jul | GC | 8.5 | 13.5' | R17:02.6 D-26:16 |
| M92 | Her | 10-Jul | GC | 7.5 | 11.2' | R17:17.1 D+43:08 |
| M9 | Oph | 11-Jul | GC | 9.0 | 9.3' | R17:19.1 D-18:31 |
| M14 | Oph | 15-Jul | GC | 9.5 | 11.7' | R17:37.6 D-03:15 |
| M6 | Sco | 16-Jul | OC | 4.5 | 15' | R17:40.3 D-32:15 |
| M7 | Sco | 19-Jul | OC | 3.5 | 80' | R17:53.8 D-34:48 |
| M23 | Sgr | 20-Jul | OC | 6.0 | 27' | R17:57.0 D-18:59 |
| M20 | Sgr | 22-Jul | OC+BN | 5.0 | 29' | R18:02.7 D-22:58 |
| M8 | Sgr | 22-Jul | OC+BN | 5.0 | 90' | R18:03.6 D-24:23 |
| M21 | Sgr | 22-Jul | OC | 7.0 | 13' | R18:04.2 D-22:29 |
| M24 | Sgr | 26-Jul | OC | 4.5 | 80'x35' | R18:18.4 D-18:24 |
| M16 | Ser | 26-Jul | OC+BN | 6.5 | 35' | R18:18.8 D-13:48 |
| M18 | Sgr | 26-Jul | OC | 8.0 | 9' | R18:19.9 D-17:06 |
| M17 | Sgr | 26-Jul | OC+BN | 7.0 | 46' | R18:20.7 D-16:10 |
| M28 | Sgr | 27-Jul | GC | 8.5 | 11.2' | R18:24.5 D-24:52 |
| M69 | Sgr | 29-Jul | GC | 9.0 | 7.1' | R18:31.3 D-32:21 |
| M25 | Sgr | 29-Jul | OC | 6.5 | 40' | R18:31.7 D-19:07 |
| M22 | Sgr | 30-Jul | GC | 6.5 | 24' | R18:36.4 D-23:54 |
| M70 | Sgr | 1-Aug | GC | 9.0 | 7.8' | R18:43.2 D-32:17 |
| M26 | Sct | 1-Aug | OC | 9.5 | 15' | R18:45.2 D-09:23 |
| M11 | Sct | 3-Aug | OC | 7.0 | 14' | R18:51.0 D-06:16 |
| M57 | Lyr | 3-Aug | PN | 9.5 | 2.5' | R18:53.5 D+33:02 |
| M54 | Sgr | 4-Aug | GC | 8.5 | 9.1' | R18:55.0 D-30:29 |
| M56 | Lyr | 10-Aug | GC | 9.5 | 7.1' | R19:16.5 D+30:11 |
| M55 | Sgr | 16-Aug | GC | 7.0 | 19' | R19:39.9 D-30:58 |
| M71 | Sge | 19-Aug | GC | 8.5 | 7.2' | R19:53.7 D+18:47 |
| M27 | Vul | 21-Aug | PN | 7.5 | 15.2' | R19:59.6 D+22:43 |
| M75 | Sgr | 22-Aug | GC | 9.5 | 6' | R20:06.0 D-21:55 |
| M29 | Cyg | 27-Aug | OC | 9.0 | 7' | R20:23.9 D+38:31 |
| M72 | Aqr | 3-Sep | GC | 10.0 | 5.9' | R20:53.4 D-12:32 |
| M73 | Aqr | 5-Sep | OC+Ast | 9.0 | 3' | R20:58.9 D-12:38 |
| M15 | Peg | 13-Sep | GC | 7.5 | 12.3' | R21:29.9 D+12:10 |
| M39 | Cyg | 13-Sep | OC | 5.5 | 32' | R21:31.7 D+48:25 |
| M2 | Aqr | 13-Sep | GC | 7.5 | 12.9' | R21:33.4 D-00:49 |
| M30 | Cap | 15-Sep | GC | 8.5 | 11' | R21:40.3 D-23:11 |
| M52 | Cas | 12-Oct | OC | 8.0 | 13' | R23:24.8 D+61:36 |

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