| **Fall Best Zenith (53 objects)** | | | | |
| --- | --- | --- | --- | --- |
| **Object** | **Type** | **Mag** | **Size** | **Information** |
| NGC 147 | GX | 9.4 | 13.2'x7.8' | R00:33:11.7 D+48:30:26 *Cassiopeia* Type: E5/P, SB: 14.5, mag\_b: 10.4 |
| π And | \* B3 | 4.50 |  | R00:36:52.9 D33:43:09.6 *Andromeda* SAO 54033 |
| NGC 185 | GX | 9.3 | 8.0'x7.0' | R00:38:57.6 D+48:20:14 *Cassiopeia* Type: E3, SB: 13.7, mag\_b: 10.3 |
| M 110 | GX | 7.9 | 19.5'x11.5' | R00:40:22.1 D+41:41:07 *Andromeda* Type: E5, SB: 13.8, mag\_b: 8.9 |
| M 32 | GX | 8.1 | 8.5'x6.5' | R00:42:41.8 D+40:51:57 *Andromeda* Type: E2, SB: 12.5, mag\_b: 9.1 |
| *Andromeda Galaxy* M 31 | GX | 3.5 | 189.1'x61.7' | R00:42:44.3 D+41:16:08 *Andromeda* Type: Sb, SB: 13.5, mag\_b: 4.3 |
| 65 Psc | \* F0 | 6.30 |  | R00:49:53.2 D27:42:36.7  SAO 74296 |
| NGC 278 | GX | 10.7 | 2.1'x2.0' | R00:52:04.5 D+47:33:03 *Cassiopeia* Type: SBb, SB: 12.1, mag\_b: 11.5 |
| ψ1 Psc | \* A2 | 5.50 |  | R01:05:40.9 D21:28:23.7 *Pisces* SAO 74482 |
| *Owl Cluster* NGC 457 | OC | 6.4 | 20.0' | R01:19:35.0 D+58:17:12 *Cassiopeia* Type: I3r *Dragonfly Cluster*,*Kachina Doll Cluster*,*ET Cluster* |
| M 103 | OC | 7.4 | 6.0' | R01:33:23.0 D+60:39:00 *Cassiopeia* Type: III2p |
| *Pinwheel Galaxy* M 33 | GX | 5.5 | 68.7'x41.6' | R01:33:51.9 D+30:39:29 *Triangulum* Type: Sc, SB: 14.0, mag\_b: 6.2 *Triangulum Galaxy* |
| NGC 672 | GX | 10.7 | 6.0'x2.4' | R01:47:54.0 D+27:25:58 *Triangulum* Type: SBc, SB: 13.4, mag\_b: 11.4 |
| 1 Ari | \* +++ | 6.20 |  | R01:50:08.5 D22:16:31.3 *Aries* SAO 74966 |
| NGC 740 | GX | 14.1 | 1.4'x0.3' | R01:56:55.0 D+33:00:56 *Triangulum* Type: SBb, SB: 13.0, mag\_b: 14.9 |
| NGC 752 | OC | 5.7 | 75.0' | R01:57:42.0 D+37:47:00 *Andromeda* Type: III1m |
| λ Ari | \* A5 | 4.80 |  | R01:57:55.7 D23:35:45.9 *Aries* SAO 75051 |
| ε Tri | \* A2 | 5.40 |  | R02:02:58.0 D33:17:02.4 *Triangulum* SAO 55218 |
| *Almach* γ1 And | \* K0 | 2.30 |  | R02:03:54.0 D42:19:47.0  *Almaac*,*Almaak* SAO 37734 |
| 14 Ari | \*A F2III \*B \*C | 4.99 8.01 7.97 | AB 93.33" AC 104.00" | R02:09:25.29 D25:56:23.9  WDS 02094+2556,SAO 75171 |
| 6 Tri | \* G0 | 5.40 |  | R02:12:22.3 D30:18:10.7 *Triangulum* SAO 55347 |
| SAO 75264 | \*A F7V \*B F9V | 7.09 7.83 | AB 13.56" | R02:17:25.29 D28:44:42.1  WDS 02174+2845,SAO 75264 |
| *Double Cluster* NGC 884 | OC | 6.1 | 18.0' | R02:22:18.0 D+57:08:00 *Perseus* Type: I3r *Chi Persei* |
| NGC 891 | GX | 10.1 | 11.7'x1.6' | R02:22:33.0 D+42:20:50 *Andromeda* Type: Sb, SB: 13.1, mag\_b: 10.9 |
| NGC 972 | GX | 11.3 | 3.3'x1.6' | R02:34:13.3 D+29:18:37 *Aries* Type: Sab, SB: 13.0, mag\_b: 12.1 |
| 30 Ari | \*A F5V \*B F7V \*C M1V | 6.50 7.02 11.00 | AB 37.93" BC 0.56" | R02:37:00.52 D24:38:50.0 *Aries* WDS 02370+2439,SAO 75470 |
| 33 Ari | \* A2 | 5.40 |  | R02:40:41.1 D27:03:39.0 *Aries* SAO 75510 |
| M 34 | OC | 5.2 | 25.0' | R02:42:05.0 D+42:45:42 *Perseus* Type: II3m |
| θ Per | \* F8 | 4.20 |  | R02:44:12.0 D49:13:42.6 *Perseus* SAO 38288 |
| HD 18143 | \*A K2IV \*B M0V \*C | 7.68 10.02 13.86 | AB 5.55" AC 43.88" | R02:55:39.06 D26:52:23.6 *Aries* WDS 02556+2652,SAO 75644 |
| *Algol* β Per | \* B8 | 2.90 |  | R03:08:10.1 D40:57:20.4  *Head of Medusa*,*Demon Star*,*Gorgonea Prima* SAO 38592 |
| HR 979 | \*A B9VpSi \*B | 6.83 7.72 | AB 3.57" | R03:17:11.45 D40:28:58.6  WDS 03171+4029,SAO 38700 |
| *Perseus A* NGC 1275 | GX | 11.7 | 2.3'x1.6' | R03:19:48.1 D+41:30:41 *Perseus* Type: S0, SB: 13.0, mag\_b: 12.7 |
| Melotte 20 | OC |  | 300.0' | R03:24:19 D49:51:42 *Perseus* |
| ζ Per | \* B1 | 2.90 |  | R03:54:07.9 D31:53:00.9 *Perseus* SAO 56799 |
| 56 Per | \* F5 | 5.80 |  | R04:24:37.4 D33:57:35.2 *Perseus* SAO 57216 |
| NGC 7209 | OC | 7.7 | 15.0' | R22:05:07.8 D+46:29:01 *Lacerta* Type: III1p |
| π1 Peg | \* K0 | 5.60 |  | R22:09:13.6 D33:10:20.5  SAO 72064 |
| HD 210772 | \*A F8 \*B | 8.06 9.81 | AB 11.84" | R22:11:58.63 D37:39:04.2 *Lacerta* WDS 22120+3739,SAO 72119 |
| NGC 7243 | OC | 6.4 | 30.0' | R22:15:08.5 D+49:53:51 *Lacerta* Type: IV2p |
| BD +37\_4537p | \*A A8III \*B \*C \*D \*E | 6.21 8.85 13.50 11.17 12.56 | AB 16.10" AC 48.38" AD 225.19" AE 66.50" BD 210.47" | R22:18:56.21 D37:46:09.4  WDS 22189+3746 |
| HD 212468 | \*A G5 \*B \*C \*D | 7.62 8.22 12.21 13.30 | AB 6.52" AC 124.46" CD 7.76" | R22:23:34.02 D45:20:59.9 *Lacerta* WDS 22236+4521,SAO 51957 |
| 8 Lac | \* B3p | 5.80 |  | R22:35:52.3 D39:38:03.5 *Lacerta* SAO 72509 |
| NGC 7331 | GX | 9.5 | 10.2'x4.2' | R22:37:05.1 D+34:25:13 *Pegasus* Type: Sbc, SB: 13.4, mag\_b: 10.3 |
| NGC 7332 | GX | 11.0 | 4.1'x1.1' | R22:37:24.6 D+23:47:53 *Pegasus* Type: S0, SB: 12.5, mag\_b: 12.0 |
| HD 214652 | \*A B2V \*B | 6.84 10.80 | AB 16.10" | R22:39:04.59 D37:22:31.6 *Lacerta* WDS 22391+3723,SAO 72569 |
| *Matar* ζ Peg | \* G0 | 3.10 |  | R22:43:00.1 D30:13:16.5  SAO 90734 |
| HR 8723 | \*A B7III \*B | 5.71 9.21 | AB 52.14" | R22:55:44.51 D36:21:05.0  WDS 22557+3621,SAO 72851 |
| NGC 7640 | GX | 11.1 | 10.5'x1.8' | R23:22:06.6 D+40:50:42 *Andromeda* Type: SBc, SB: 14.1, mag\_b: 11.8 |
| HD 220334 | \*A G2V \*B dK6 \*C | 6.74 9.78 10.86 | AB 5.70" AC 99.74" | R23:22:48.67 D20:33:32.2 *Pegasus* WDS 23228+2034,SAO 91222 |
| *Blue Snowball Nebula* NGC 7662 | PN | 8.3 | 0.6' | R23:25:53.9 D+42:32:08 *Andromeda* Type: PN, mag\_b: 9.2 |
| NGC 7686 | OC | 5.6 | 15.0' | R23:30:07.3 D+49:08:03 *Andromeda* Type: IV1p |
| HR 9074 | \*A F8V \*B \*C | 6.46 6.72 12.80 | AB 2.46" AC 79.45" | R23:59:29.33 D33:43:26.9  WDS 23595+3343,SAO 73656 |