

The NexStar 50 List by Month

<http://www.nexstarsite.com/nexstar50club.htm>

1. The NexStar50 is a list of the 50 favorite astro objects selected by Yahoo NexStar Group members in 2001.
2. Two Levels of Observing Award are available:
 - NexStar50 Club Level – attained by observing 40 of the 50 NexStar50 objects.
 - NexStar50 Expert Level – attained by observing all 50 of the NexStar50 objects
3. All objects must be observed with a Celestron NexStar, CPC, CGE or AS-GT telescope. This includes any future Celestron models with NexStar hand controls. More than one NexStar telescope may be used to complete the challenge, and alternate optical tubes are acceptable.
4. The objects must be observed within a 24 month period for the Club Level. For those attaining the Expert Level an additional 12 months for those objects is allowed.
5. Observations must be on or after the official start date of the Club - 18 October 2001.
6. All those who attain the award will receive a certificate and their names will be posted on the NexStar 50 Club web site: <http://www.nexstarsite.com/nexstar50club.htm>
7. To allow other NexStar owner to learn from your observing experience, an observing log should be maintained and submitted along with your request for the award. Your log will be posted along with your name in the list of those who have attained the award. The template for the observing log is available on the NexStar 50 Club web site: <http://www.nexstarsite.com/nexstar50rules.htm>
8. If you are latitude or aperture challenged, contact the NexStar Club administrators for substitute objects by sending email to swanson.michael@usa.net.

The following list is arranged to show the approximate month that each object will be best positioned for viewing. This indicates that the object will be near the meridian during the evening hours of the months indicated.

	Name	Designation	Object Type	Constellation	RA	DEC	Magnitude	Size in Arc Min	Double Sep / Pos
4	Saturn		Solar System	NA	NA	NA	.6 to 1.5	15 to 21 sec	NA
5	Moon		Solar System	NA	NA	NA	-12.7 Full	31	NA
9	Jupiter		Solar System	NA	NA	NA	-2.5 to -1.2	33 to 50 sec	NA
32	Milky Way		Our Galaxy	NA	NA	NA	NA	NA	NA
January & February									
8	Pleiades / Seven Sisters	M45	Open Cluster	Taurus	3h 47m	24° 7'	1.6	110	NA
1	Orion Nebula	M42 / NGC1976	Diffuse Nebula	Orion	5h 35.4m	-5° 27'	4	85x60	NA
33	Trapezium in Orion	Center or M42	Asterism	Orion	5h 35.4m	-5° 27'	5.4 to 11	15"x9"	NA
49	Open Cluster in Auriga	M36 / NGC1960	Open Cluster	Auriga	5h 36.1m	34° 8'	6.3	12	NA
47	Betelgeuse	Named Star	Colored Star	Orion	5h 55.2m	7° 24'	.6	NA	NA
38	Open Cluster in Gemini	M35 / NGC2168	Open Cluster	Gemini	6h 8.9m	24° 20'	5.3	28	NA
March & April									
34	Open Cluster in Puppis	M46 / NGC2437	Open Cluster	Puppis	7h 41.8m	-14° 49'	6	27	NA
17	Beehive Cluster	M44 / NGC2632	Open Cluster	Cancer	8h 40.1m	19° 59'	3.7	95	NA
11	Bode's Galaxy and Cigar Galaxy	M81 / NGC3031	Spiral Galaxy	Ursa Major	9h 55.6m	69° 4'	6.9	21x10	NA
		M82 / NGC3034	Irregular Galaxy		9h 55.8m	69° 41'	8.4	9x4	
27	Galaxy in Leo	M65 / NGC3623	Spiral Galaxy	Leo	11h 18.9m	13° 5'	9.3	8x2	NA
25	Spiral Galaxy	M66 / NGC3627	Spiral Galaxy	Leo	11h 20.2m	12° 59'	8.9	8x3	NA

May & June									
44	Galaxy in Coma Berenices	M100 / NGC4321	Spiral Galaxy	Coma Berenices	12h 22.9m	15° 49'	9.3	7x6	NA
36	24 Com Double	Double List	Colored Double Star	Coma Berenices	12h 35.1m	18° 23'	5.2 / 6.7	NA	20.3" / 271°
35	Double Triangle (Star Gate)	Asterism List	Asterism	Corvus	12h 36.0m	-12° 0'	6.6 to 8.0	NA	NA
29	Berenice's Hair Clip	NGC4565	Edge on Galaxy	Coma Berenices	12h 36.3m	25° 59'	9.6	15x2	NA
23	Jewel Box	NGC4755	Globular Cluster	Crux	12h 53.5m	-60° 20'	4.2	10	NA
19	Omega Centauri	NGC5139	Globular Cluster	Centauri	13h 26.8m	-47° 29'	3.7	36	NA
15	Whirlpool Galaxy	M51 / NGC5194	Spiral Galaxy	Canes Venatici	13h 29.9m	47° 12'	8.4	11x7	NA
July & August									
2	Hercules Cluster	M13 / NGC6205	Globular Cluster	Hercules	16h 41.7m	36° 28'	5.8	16.6	NA
45	Table of Scorpius	NGC6231	Open Cluster	Scorpius	16h 54.0m	-41° 48'	2.6	15	NA
40	Globular Cluster in Hercules	M92 / NGC6341	Globular Cluster	Hercules	17h 17.1m	43° 8'	6.4	11.2	NA
21	Butterfly Cluster	M6 / NGC6405	Open Cluster	Scorpius	17h 40.1m	-32° 13'	5.3	25	NA
28	Ptolemy's Cluster	M7 / NGC6475	Open Cluster	Scorpius	17h 53.9m	-34° 49'	4.1	80	NA
50	Eagle Nebula & Cluster	M16 / NGC6611	Nebula & Open Cluster	Serpens	18h 18.8m	-13° 47'	6.4	7	NA
46	Trifid Nebula	M20 / NGC6514	Diffuse Nebula	Sagittarius	18h 2.6m	-23° 2'	9	28	NA
12	Swan Nebula	M17 / NGC6618	Diffuse Nebula	Sagittarius	18h 20.8m	-16° 11'	7	11	NA
43	Open Cluster in Ophiuchus	NGC6633	Open Cluster	Ophiuchus	18h 27.7m	6° 34'	4.6	27	NA
16	Lagoon Nebula	M8 / NGC6523	Diffuse Nebula	Sagittarius	18h 3.8m	-24° 23'	6	90x40	NA
37	Open Cluster in Sagittarius	M25 / IC4725	Open Cluster	Sagittarius	18h 31.6m	-19° 15'	6.5	40	NA
20	Globular in Sagittarius	M22 / NGC6656	Globular Cluster	Sagittarius	18h 36.4m	-23° 54'	5.1	24	NA
22	Double Double - Epsilon Lyra 1 & 2	Double List	System of Twin Doubles	Lyra	18h 44.3m	39° 40'	5.0 / 6.1 5.2 / 5.5	NA	2.6"/208"/2.3" 357°/173°/94°
10	Wild Duck Cluster	M11 / NGC6705	Open Cluster	Scutum	18h 51.1m	-6° 16'	6.3	14	NA
3	Ring Nebula	M57 / NGC6720	Planetary Nebula	Lyra	18h 53.6m	33° 2'	8.8	1.4x1.0	NA
26	Coathanger	Asterism List	Asterism	Vulpecula	19h 25.4m	20° 8'	3.0	60	NA
13	Albireo-Double	Double List	Colored Double Star	Cygnus	19h 30.7m	27° 58'	3.1/5.1	NA	34.2" / 54°
48	Globular in Sagittarius	M55 / NGC6809	Globular Cluster	Sagittarius	19h 40.0m	-30° 58'	6.3	19	NA
September & October									
7	Dumbbell Nebula	M27 / NGC6853	Planetary Nebula	Vulpecula	19h 59.6m	22° 43'	7.4	8x5.7	NA
18	Western Veil Nebula Eastern Veil Nebula	NGC6960 NGC6992	Super Nova Remnant	Cygnus	20h 45.7m 20h 56.2m	30° 43' 31° 04'	NA	70x6 25x20	NA
30	Globular in Pegasus	M15 / NGC7078	Globular Cluster	Pegasus	21h 30.0m	12° 10'	6.2	12	NA
November & December									
39	Open Cluster in Cepheus	NGC7510	Open Cluster	Cepheus	23h 11.5m	50° 34'	7.9	4	NA
24	Blue Snowball Planetary Nebula	NGC7662	Planetary Nebula	Andromeda	23h 25.9m	42° 33'	8.6	17x14	NA
41	47 Tucanae	NGC104	Globular Cluster	Tucanae	0h 24.2m	-72° 04'	4	31	NA
6	Andromeda	M31 / NGC224	Spiral Galaxy	Andromeda	0h 42.7m	41° 16'	3.4	178x63	NA
31	Owl Cluster	NGC457	Open Cluster	Cassiopeia	1h 19.2m	58°20'	6.4	13	NA
14	Perseus Double Cluster	NGC869 & 884	Two Open Clusters	Perseus	2h 20.7m	57° 07'	5.3 / 6.1	each 30	NA
42	Galaxy in Andromeda	NGC891	Edge on Galaxy	Andromeda	2h 22.6m	42° 20'	9.9	14x3	NA