

# The Astronomical League Binocular Deep Sky List

## Details about the list

All objects are listed in Right Ascension order so that you can view them as they rise in the east and set in the west. Information provided on each object include: Catalog, Right Ascension, Declination, Magnitude, Type of Object, Size, Constellation, and what chart they are located on in both the Uranometria and Tirion's Sky Atlas 2000. Notes are provided on a few objects to clarify their observation. All objects are brighter than ninth magnitude, and larger than 3 minutes in diameter. Catalogs represented in this list are: New General Catalog (NGC), Index Catalog (IC), Stock, Markarian (Mark), Trumpler (Tr), Collinder (Cr), Kemble, and Melotte (Mel).

I hope you enjoy observing this list of objects as much as I enjoyed compiling it. Sometimes it absolutely amazes me what can be seen with a small objective. Between the Binocular Messier Club and the Deep Sky Binocular Club, there are over 135 objects that can easily be seen with a small pair of binoculars, which proves that you can do a lot of astronomy for a small amount of money. I will look forward to your sharing your observations with me. Until then, good luck, clear skies, and good observing.

John Wagoner

The List [Epoch 2000.0]											
Catalog No.	R.A.		Dec.		Mag	Type	Size	Con	Urn	SA	Notes
NGC 129	00	29.9	+60	14	6.5	OpCl	21.0 '	Cas	15	1	
NGC 253	00	47.6	-25	17	8.0	Glxy	25.0 '	Sc1	306	18	
NGC 457	01	19.1	+58	20	6.4	OpCl	13.0 '	Cas	36	1	
NGC 663	01	46.0	+61	15	7.1	OpCl	16.0 '	Cas	16	1	
Cr 463	01	48.4	+71	57	5.7	OpCl	36.0 '	Cas	17	1	
NGC 752	01	57.8	+37	41	5.7	OpCl	50.0 '	And	92	4	
Stock 2	02	15.0	+59	16	4.4	OpCl	60.0 '	Cas	37	1	
NGC 869	02	19.0	+57	09	5.3	OpCl	29.0 '	Per	37	1	
NGC 884	02	22.4	+57	07	6.1	OpCl	29.0 '	Per	37	1	
Mark 6	02	29.6	+60	39	7.1	OpCl	4.5'	Cas	17	1	
Mel 15	02	32.7	+61	27	6.5	OpCl	21.0 '	Cas	17	1	
Tr 2	02	37.3	+55	59	5.9	OpCl	20.0 '	Per	38	1	
Tr 3	03	11.8	+63	15	7.0	OpCl	23.0	Cas	18	1	

Stock 23	03	16.0	+60	02	6.2	OpCl	15.0	Cam	38	1	
Mel 20	03	22.0	+49	00	1.2	OpCl	185'	Per	38	4	Alpha Persei Association
NGC 1342	03	31.6	+37	20	6.7	OpCl	14.0	Per	94	4	
Kemble 1	03	58.0	+63	06	4.0	OpCl	180'	Cam	18	1	3 degree star chain
NGC 1528	04	15.4	+51	14	6.4	OpCl	23.0	Per	39	1	
Mel 25	04	27.0	+16	00	0.5	OpCl	330'	Tau	133	11	The Hyades
NGC 1582	04	32.0	+43	51	7.0	OpCl	37.0	Per	65	5	
NGC 1647	04	46.0	+19	04	6.4	OpCl	45.0	Tau	134	11	
NGC 1662	04	48.5	+10	56	6.4	OpCl	20.0	Ori	179	11	
NGC 1746	05	03.6	+23	49	6.1	OpCl	42.0	Tau	134	5	
NGC 1807	05	10.7	+16	32	7.0	OpCl	17.0	Tau	135	11	
NGC 1817	05	12.1	+16	42	7.7	OpCl	15.0	Tau	135	11	
NGC 1893	05	22.7	+33	24	7.5	OpCl	11.0	Aur	97	5	
NGC 1907	05	28.0	+35	19	8.2	OpCl	6.0'	Aur	97	5	
NGC 1981	05	35.2	-04	26	4.2	OpCl	25.0	Ori	225	11	
NGC 2169	06	08.4	+13	57	5.9	OpCl	6.0'	Ori	182	11	
NGC 2232	06	26.6	-04	45	3.9	OpCl	29.0	Mon	227	11	
NGC 2244	06	32.4	+04	52	4.8	OpCl	23.0	Mon	227	11	
NGC 2251	06	34.7	+08	22	7.3	OpCl	10.0	Mon	182	11	
NGC 2264	06	41.1	+09	53	3.9	OpCl	20.0	Mon	183	11	
NGC 2281	06	49.3	+41	04	5.4	OpCl	14.0	Aur	68	5	
NGC 2301	06	51.8	+00	28	6.0	OpCl	12.0	Mon	228	11	
NGC 2343	07	08.3	-10	39	6.7	OpCl	6.0'	Mon	273	12	
NGC 2360	07	17.8	-15	37	7.2	OpCl	12.0	CMa	274	12	
NGC 2403	07	36.9	+65	36	8.4	Glxy	18.0	Cam	21	1	
NGC 2527	08	02.5	-28	11	6.5	OpCl	22.0	Pup	320	20	
NGC 2539	08	10.7	-12	50	6.5	OpCl	21.0	Pup	275	12	

NGC 2571	08	18.9	-29	44	7.0	OpCl	13.0'	Pup	362	20	
Mel 111	12	25.0	+26	00	1.8	OpCl	275'	Com	148	7	Coma Star Cluster
IC 4665	17	46.3	+05	43	4.2	OpCl	70.0'	Oph	203	15	
NGC 6520	18	03.4	-27	54	7.6	OpCl	6.0'	Sgr	339	22	
NGC 6633	18	27.7	+06	34	4.6	OpCl	20.0'	Oph	205	15	
IC 4756	18	39.0	+05	27	4.6	OpCl	40.0'	Ser	205	15	
NGC 6709	18	51.5	+10	21	6.7	OpCl	13.0'	Aql	205	15	
NGC 6716	18	54.6	-19	53	7.5	OpCl	6.0'	Sgr	340	15	
Cr 399	19	25.4	+20	11	3.6	OpCl	60.0'	Vul	161	8	Coathanger
NGC 6819	19	41.3	+40	11	7.3	OpCl	5.0'	Cyg	84	8	
NGC 6823	19	43.1	+23	18	7.1	OpCl	12.0'	Vul	162	8	
NGC 6910	20	23.1	+40	47	7.4	OpCl	7.0'	Cyg	84	9	
NGC 6934	20	34.2	+07	24	8.7	GbCl	5.9'	Del	209	16	
NGC 6940	20	34.6	+28	18	6.3	OpCl	31.0'	Vul	120	9	
NGC 7063	21	24.4	+36	30	7.0	OpCl	7.0'	Cyg	121	9	
NGC 7160	21	53.7	+62	36	6.1	OpCl	7.0'	Cep	33	3	
NGC 7209	22	05.2	+46	30	7.7	OpCl	25.0'	Lac	87	9	
NGC 7235	22	12.6	+57	17	7.7	OpCl	4.0'	Cep	57	3	
NGC 7243	22	15.3	+49	53	6.4	OpCl	21.0'	Lac	57	9	
NGC 7789	23	57.0	+56	44	6.7	OpCl	15.0'	Cas	59	3	