

Primary ID	Alternate ID	Nickname	Con	RA 2000	Dec-00	Mag
NGC 40	Caldwell 2	Bowtie Nebula	Cep	00h13m01.0s	+72°31'19"	10.7
NGC 246	Caldwell 56	Skull nebula	Cet	00h47m03.3s	-11°52'19"	10.4
NGC 650	M 76	Little Dumbbell	Per	01h42m19.9s	+51°34'31"	10.1
IC 1747			Cas	01h57m35.9s	+63°19'19"	12
Abell 4			Per	02h45m23.7s	+42°33'05"	16.7
IC 289			Cas	03h10m19.3s	+61°19'01"	12
NGC 1360	M 1-3	Comet Planetary	For	03h33m14.6s	-25°52'18"	9.4
IC 351			Per	03h47m33.1s	+35°02'49"	11.9
IC 2003			Per	03h56m22.0s	+33°52'31"	12.6
NGC 1501		Oyster Nebula	Cam	04h06m59.2s	+60°55'14"	12
NGC 1514		Crystal Ball Nebula	Tau	04h09m17.0s	+30°46'33"	10.8
NGC 1535		Cleopatra's Eye	Eri	04h14m15.8s	-12°44'22"	9.4
Sh 2-216	Sharpless 2-216		Per	04h45m00.0s	+46°49'00"	
Jonckheere 320		J 320	Ori	05h05m34.3s	+10°42'23"	12.9
IC 418	Raspberry	Spirograph Nebula	Lep	05h27m28.2s	-12°41'50"	10.7
NGC 2022			Ori	05h42m06.2s	+09°05'11"	11.7
IC 2149			Aur	05h56m23.9s	+46°06'17"	10.6
IC 2165			CMa	06h21m42.8s	-12°59'14"	10.6
Jonckheere 900		J-900	Gem	06h25m57.3s	+17°47'27"	12.4
M1-7			Gem	06h37m21.0s	+24°00'35"	13
NGC 2346	M 1-10	Hourglass nebula	Mon	07h09m22.5s	-00°48'23"	12.5
NGC 2371	NGC 2372	Gemini Nebula	Gem	07h25m34.7s	+29°29'26"	11.2
Abell 21		Medusa Nebula	Gem	07h29m02.7s	+13°14'49"	11.3
NGC 2392	Caldwell 39	Eskimo Nebula	Gem	07h29m10.8s	+20°54'42"	8.6
NGC 2438			Pup	07h41m51.4s	-14°43'55"	11
NGC 2440			Pup	07h41m55.4s	-18°12'31"	11.5
NGC 2452			Pup	07h47m26.2s	-27°20'07"	12.6
JnEr 1		Headphones Nebula	Lyn	07h57m51.6s	+53°25'17"	16.8
NGC 2610			Hya	08h33m23.3s	-16°08'58"	13
M 3-6			Pyx	08h40m40.2s	-32°22'33"	11
NGC 2818			Pyx	09h16m01.7s	-36°37'39"	11.9
NGC 3132	Caldwel 74	Eight Burst	Vel	10h07m01.8s	-40°26'11"	8.2
NGC 3242	Caldwell 59	Ghost of Jupiter	Hya	10h24m46.1s	-18°38'32"	8.6
NGC 3587	M 97	Owl Nebula	UMa	11h14m47.7s	+55°01'09"	11
NGC 4361			Crv	12h24m30.8s	-18°47'06"	10.9
IC 3568		Baby Eskimo	Cam	12h33m06.8s	+82°33'50"	11.6
Abell 35		Bow Shock nebula	Hya	12h53m32.8s	-22°52'23"	12
Abell 36		Bat Symbol	Vir	13h40m41.3s	-19°52'55"	13
NGC 5873			Lup	15h12m51.1s	-38°07'34"	12
NGC 6026			Lup	16h01m21.1s	-34°32'37"	12.5
NGC 6058			Her	16h04m26.6s	+40°40'56"	13
IC 4593		White Eyed Pea	Her	16h11m44.5s	+12°04'17"	11
NGC 6072			Sco	16h12m58.1s	-36°13'46"	14
NGC 6153			Sco	16h31m30.8s	-40°15'14"	11.5
NGC 6210		Turtle Nebula	Her	16h44m29.5s	+23°48'00"	9.7
IC 4634			Oph	17h01m33.6s	-21°49'33"	12

M 2-9		Minkowski's Butterfly	Oph	17h05m38.0s	-10°08'35"	13.2
NGC 6302	Gum 60	Bug Nebula	Sco	17h13m44.2s	-37°06'16"	12.8
NGC 6309		Box Nebula	Oph	17h14m04.3s	-12°54'38"	11.6
NGC 6337	Haro 110	Cheerio Nebula	Sco	17h22m15.7s	-38°29'03"	12.3
NGC 6369		Little Ghost Nebula	Oph	17h29m20.4s	-23°45'34"	11
NGC 6445			Sgr	17h49m15.1s	-20°00'34"	13
IC 4670	Hubble 6		Sgr	17h55m07.0s	-21°44'40"	13.1
NGC 6543	Caldwell 6	Cat's Eye Nebula	Dra	17h58m33.4s	+66°37'59"	8.3
NGC 6537		Red Spider	Sgr	18h05m13.1s	-19°50'35"	12
NGC 6565			Sgr	18h11m52.5s	-28°10'42"	13
NGC 6563			Sgr	18h12m02.8s	-33°52'07"	13
NGC 6572		Blue Racquetball	Oph	18h12m06.4s	+06°51'12"	8
NGC 6567			Sgr	18h13m45.1s	-19°04'34"	11.5
NGC 6578			Sgr	18h16m16.5s	-20°27'03"	13
NGC 6620			Sgr	18h22m54.2s	-26°49'17"	14
NGC 6629			Sgr	18h25m42.4s	-23°12'11"	10.5
NGC 6644			Sgr	18h32m34.6s	-25°07'44"	12.2
IC 4732			Sgr	18h33m54.6s	-22°38'41"	13.3
IC 4776			Sgr	18h45m50.7s	-33°20'34"	12.5
NGC 6720	M 57	Ring Nebula	Lyr	18h53m35.1s	+33°01'45"	9.4
IC 1295			Sct	18h54m37.2s	-08°49'39"	12.7
NGC 6742	Abell 50		Dra	18h59m20.0s	+48°27'55"	13.4
Sh 2-71	Sharpless 2-71		Aql	19h02m00.3s	+02°09'11"	12.2
NGC 6741	Jonckheere 475	Phantom Streak	Aql	19h02m37.1s	-00°26'57"	12
NGC 6751		Dandelion Puff Ball	Aql	19h05m55.6s	-05°59'33"	12
NGC 6765	M 1-68		Lyr	19h11m06.5s	+30°32'43"	12.9
IC 4846			Aql	19h16m28.2s	-09°02'37"	12
IC 1297			CrA	19h17m23.5s	-39°36'46"	11.5
NGC 6778			Aql	19h18m24.9s	-01°35'47"	13.3
NGC 6781		Snowglobe Nebula	Aql	19h18m28.1s	+06°32'19"	11.8
NGC 6790			Aql	19h22m57.0s	+01°30'46"	11.4
Vy 2-2	M 1-70		Aql	19h24m22.2s	+09°53'57"	12.7
NGC 6803			Aql	19h31m16.5s	+10°03'22"	11
NGC 6804			Aql	19h31m35.2s	+09°13'32"	12.4
NGC 6807			Aql	19h34m33.5s	+05°41'03"	13.8
BD+30 3639		Campbell's Hydrogen Star	Cyg	19h34m45.2s	+30°30'59"	9.6
NGC 6818		Little Gem	Sgr	19h43m57.8s	-14°09'12"	10
NGC 6826	Caldwell 15	Blinking Planetary	Cyg	19h44m48.2s	+50°31'30"	8.8
NGC 6833			Cyg	19h49m46.6s	+48°57'40"	13.8
NGC 6853	M 27	Dumbbell	Vul	19h59m36.3s	+22°43'16"	7.3
NGC 6884			Cyg	20h10m23.7s	+46°27'40"	12.6
NGC 6879			Sge	20h10m26.7s	+16°55'21"	11
NGC 6881			Cyg	20h10m52.5s	+37°24'41"	14.3
NGC 6886			Sge	20h12m42.8s	+19°59'23"	12.5
NGC 6891			Del	20h15m08.8s	+12°42'16"	10.5
NGC 6894			Cyg	20h16m24.0s	+30°33'53"	14.4
IC 4997			Sge	20h20m08.7s	+16°43'54"	11.3

NGC 6905		Blue Flash Nebula	Del	20h22m22.9s	+20°06'17"	12
NGC 7008		Fetus Nebula	Cyg	21h00m32.5s	+54°32'36"	12
NGC 7009	caldwell 55	Saturn Nebula	Aqr	21h04m10.9s	-11°21'48"	8.3
NGC 7026		Cheeseburger Nebula	Cyg	21h06m18.2s	+47°51'05"	12
NGC 7027		Green Rectangle	Cyg	21h07m01.7s	+42°14'10"	9.6
Sh1-89	Sharpless 1-89	Moth Nebula	Cyg	21h14m07.6s	+47°46'22"	14.8
NGC 7048	Hubble 9		Cyg	21h14m15.2s	+46°17'18"	11
Pease 1	(In M15)		Peg	21h30m01.2s	+12°10'11"	14.9
IC 5117			Cyg	21h32m31.0s	+44°35'49"	13.3
Hu 1-2		Baby Dumbbell	Cyg	21h33m08.4s	+39°38'10"	12.7
NGC 7094	K 1-19		Peg	21h36m53.0s	+12°47'19"	13.4
IC 5217			Lac	22h23m55.7s	+50°58'00"	12.6
NGC 7293	Caldwell 63	Helix	Aqr	22h29m38.5s	-20°50'14"	6.3
NGC 7354			Cep	22h40m19.9s	+61°17'08"	12.9
NGC 7662	Caldwell 22	Blue Snowball	And	23h25m54.0s	+42°32'05"	8.6
Jones 1			Peg	23h35m53.3s	+30°28'06"	15.1
Abell 82			Cas	23h45m47.8s	+57°03'59"	15.2

Size	SBr	CS	Class	S.A.	Ur. 2	Mill.	U2000	PK Desig	PN G Desig	Henize
1.0'	19.3	11.6	3b+3	1	8	I-24	I-3	PK 120-9.1	PN G120.0+09.8	
4.0'	22	11.8	3b	10	140	I-316	II-261	PK 118-74.1	PN G118.8-74.7	
2.7'	20.9	17.6	3+6	4	29	I-63	I-37		PN G130.9-10.5	
13"	17.3	15.4	3b	1	17	I-34	I-17	PK 130-1.1	PN G130.2+01.3	
22"	23	19.9	3b	4	43	I-100	I-62	PK 144-15.1	PN G144.3-15.5	
45"	20	13.3	4+2	1	28	I-45	I-18	PK 138-2.1	PN G138.8+02.8	
6.0'	21.9	11.3	3	18	156	I-356	II-312		PN G220.3-53.9	
8.0"	16.2	15.6	2a	4	60	I-118	I-95	PK 159-15.1	PN G159.0-15.1	
11.0"	17.5	16.5	2	4	60	I-118	I-95	PK 161-14.1	PN G161.2-14.8	
56"	20.5	11.5	3	1	28	I-43	I-39	PK 144-6.1	PN G144.5+06.5	
2.0'	20.9	9.5	3+2	5	60	I-139	I-95	PK 165-15.1	PN G165.5-15.2	
20"	15.6	15.9	4+2c	11	137	I-306	II-268	PK 206-40.1	PN G206.4-40.5	
100'			3	5	42	I-75	I-65	PK 158-0.1		
26"		14.4	2+4			I-207	I-180	PK 190-17.1	PN G190.3-17.7	
14"	16.2	10.2	4	11	136	I-302	II-270	PK 215-24.1	PN G215.2-24.2	
28"	18.7	15.8	4+2	11	96	I-205	I-181	PK 196-10.1	PN G196.6-10.9	
12"	15.7	11.3	3b+2	5	41	I-72	I-66	PK 166-10.1	PN G166.1+10.4	
9.0"	15.1	15	3b	11	136	I-299	II-272	PK 221-12.1	PN G221.3-12.3	
12"	17.5	12.5	3b+2	11	76	I-179	I-137	PK 194-2.1	PN G194.2+02.5	
38"	20.6	19.6	2	5	76	I-155	I-137	PK 189-7.1	PN G189.8+07.7	
1.0'	21.1	11.3	3b+4	12	115	I-249	I+II-228		PN G215.6+03.6	
1.2'	20.3	14.9	3a+2	5	75	I-130	I-100	PK 189-19.1	PN G189.1+19.8	
10.0'	24.9	16	3a	12	95	I-200	I-184	PK 205-14.1	PN G205.1+14.2	
47"	16.7	10.6	3b+3b	5	75	I-176	I-139	PK 197-17.1	PN G197.8+17.3	
1.1'	19.8	17.5	4+2	12	135	I-295	II-274	PK 231-4.2	PN G231.8+04.1	
54"	19.9	17.5	5+3	12	153	I-319	II-319	PK 234-2.1	PN G234.8+02.4	
22"	19	17.5	4+3	19	153	I-367	II-320	PK 243-1.1	PN G243.3-01.0	He 2-4
6.3'	26.6	16.8	4	1	26	I-51	I-43	PK 164-31.1	PN G164.8+31.1	
50"	22.2	16	4+2	12	134	II-857	II-276	PK 239-13.1	PN G239.6+13.9	
19"	17.1	13.9	2a	20	170	II-903	II-363	PK 254-5.1	PN G253.9+05.7	He 2-12
36"	19.4	18.5	3b	20	170	II-923	II-364	PK 261-8.1	PN G261.9+08.5	He 2-23
1.4'	17.6	10	4+2	20	169	II-941	II-399	PK 272-12.1	PN G272.1+12.3	He 2-40
40"	16.3	12.3	4+3b	20	151	II-851	II-325	PK 261-32.1	PN G261.0+32.0	
3.4'	22.3	16	3a	2	24	II-576	I-46		PN G148.4+57.0	
1.3'	20.2	13.3	3a+2	21	150	II-845	II-328	PK 294-43.1	PN G294.1+43.6	
18"	17.6	13	2a	2	5	II-520	I-9	PK 123-34.1	PN G123.6+34.5	
12.8'	26.2	9.6	3a	21	149	II-868	II-329	PK 303-40.1	PN G303.6+40.0	
6.0'	25.5	11.5	3b+3a	21	149	II-841	II-331	PK 318-41.1	PN G318.4+41.4	
3.0"	14.1	15.5	2	21	166	II-907	II-373	PK 331-16.1	PN G331.3+16.8	He 2-121
54"	20.9	13.3	4	22	165	III-1442	II-374	PK 341-13.1	PN G341.6+13.7	He 2-144
25"	19.7	13.9	3+2	8	35	III-1138	I-79	PK 064-48.1	PN G064.6+48.2	
12"	16.2	11.3	2+2	15	88	III-1254	I-200	PK 025-40.1	PN G025.3+40.8	
50"	17.5	18.5	3a	22	165	III-1442	II-374	PK 342-10.1	PN G342.1+10.8	
25"	18.2	16.1	4	22	165	III-1461	II-407	PK 341-5.1	PN G341.8+05.4	He 2-167
20"	15.9	13.7	2+3b	8	68	III-1204	I-156	PK 043-37.1	PN G043.1+37.7	
20"	18.2	14	2a+3	22	146	III-1395	II-337	PK 000-12.1	PN G000.3+12.2	He 2-189

50"	21.4	15.6	?+6	15	127	III-1347	II-292	PK 010-18.2	PN G010.8+18.0	
1.2'	21.8	21	6	22	164	III-1439	II-376	PK 349-1.1	PN G349.5+01.0	He 2-204
20"	17.8	16.3	3b+6	15	127	III-1347	II-292	PK 009-14.1	PN G009.6+14.8	He 2-206
38"	19.9	14.9	4	22	164	III-1439	II-376	PK 349-1.1	PN G349.3-01.1	He 2-215
30"	18.1	15.1	4+2	22	146	III-1394	II-338	PK 002-5.1	PN G002.4+05.8	He 2-232
35"	20.5	19	3b+3	22	146	III-1369	II-338	PK 008-3.1	PN G008.0+03.9	He 2-290
6.6"	16.9	14.7	2	22	146	III-1393	II-339	PK 007-1.1	PN G007.2+01.8	
22"	14.7	11.3	3a+2	3	11	III-1066	I-30	PK 096-29.1	PN G096.4+29.9	
5.0"	15.2	18.8	2a+6	22	145	III-1368	II-339	PK 010-0.1	PN G010.1+00.7	He 2-340
10"	17.7	18	4	22	145	III-1414	II-377	PK 003-4.5	PN G003.5-04.6	He 2-362
54"	21.4	15.4	3a	22	163	III-1436	II-377	PK 358-7.1	PN G358.5-07.3	He 2-361
15"	13.6	13.1	2a	15	86	III-1272	I-204	PK 034-11.1	PN G034.6+11.8	
11"	16.4	14.4	2a+3	22	145	III-1368	II-339	PK 011-0.2	PN G011.7-00.6	He 2-369
8.5"	17.5	15.7	2a	22	145	III-1368	II-339	PK 010-1.1	PN G010.8-01.8	He 2-381
5.3"	17.4	19.7	2b	22	145	III-1391	II-339	PK 005-6.1	PN G005.8-06.1	He 2-394
16"	16.3	12.9	2a	22	145	III-1391	II-340	PK 009-5.1	PN G009.4-05.0	He 2-399
3.0"	14.3	15.6	2	22	145	III-1391	II-340	PK 008-7.2	PN G008.3-07.3	He 2-408
3.6"	15.8	17	1	22	145	III-1391	II-340	PK 010-6.1	PN G010.7-06.4	He 2-410
8.0"	16.8	14.5	2a	22	163	III-1435	II-378	PK 002-13.1	PN G002.0-13.4	He 2-421
1.4'	18.8	15	4+3	8	49	III-1153	I-117		PN G063.1+13.9	
1.7'	22.5	16.9	3b+2	16	125	III-1318	II-295	PK 025-4.2	PN G025.4-04.7	
31"	20.6	20	2c	8	33	III-1111	I-83	PK 078-18.1	PN G078.5+18.7	
2.6'	22.9	13.7	3b+3	16	105	III-1293	I+II-251	PK 036-1.1	PN G035.9-01.1	
9.0"	16.5	20	4	16	105	III-1293	I+II-251	PK 033-2.1	PN G033.8-02.6	
20"	18.2	15.4	3	16	125	III-1317	II-296	PK 029-5.1	PN G029.2-05.9	
38"	20.5		5	8	49	III-1174	I-118	PK 062-9.1	PN G062.4+09.5	
2.0"	13.2	15.5	2	16	125	III-1341	II-296	PK 027-9.1	PN G027.6-09.6	
8.0"	15.8	14.2		22	163	III-1454	II-410	PK 358-21.1	PN G358.3-21.6	He 2-431
25"	20	18	3+3	16	105	III-1293	I+II-251	PK 034-6.1	PN G034.5-06.7	
1.9'	21.8	16.9	3+3	16	85	III-1269	I-206	PK 041-2.1	PN G041.8-02.9	
2.0"	12.6	16.1	2	16	105	III-1292	I+II-251	PK 037-6.1	PN G037.8-06.3	
14"	18.2	14.6	1	16	85	III-1244	I-206	PK 045-2.1	PN G045.4-02.7	
4.0"	13.7	16	2a	16	85	III-1244	I-207	PK 046-4.1	PN G046.4-04.1	
1.1'	21.1	14.2	4+2	16	85	III-1244	I-207	PK 045-4.1	PN G045.7-04.5	
2.0"	15	16.3	2	16	85	III-1268	I-207	PK 042-6.1	PN G042.9-06.9	
35"	17.1	10.5	4	8	48	III-1173	I-118	PK 064-5.1	PN G064.7+05.0	He 2-438
22"	16.4	17	4	16	125	III-1339	II-297	PK 025-17.1	PN G025.8-17.9	
27"	15.7	10.1	3a+2	8	33	III-1109	I-55	PK 083-12.1	PN G083.5+12.7	
2.0"	15	14.4	2	8	33	III-1109	I-84	PK 082-11.1		
8.0'	20.4	14.1	3+2	8	66	III-1195	I-162		PN G060.8-03.6	He 2-452
5.6"	16.1	16.7	2b	9	32	III-1108	I-84	PK 082-7.1	PN G082.1+07.0	
4.7"	14.1	14.8	2a	16	84	III-1218	I-208	PK 057-8.1	PN G057.2-08.9	He 2-455
3.3"	16.6	18.3	2a+3	9	48	III-1149	I-119	PK 074-2.1	PN G074.5+02.1	He 2-456
4.0"	15.2	18	2+3	9	66	III-1218	I-163	PK 060-7.2	PN G060.1-07.7	He 2-458
15"	16.2	12.3	2a+2b	16	84	III-1242	I-208	PK 054-12.1	PN G054.1-12.1	
44"	22.4	18.3	4+2	9	48	III-1171	I-119	PK 069-2.1	PN G069.4-02.6	
2.0"	12.5	12.2	1	16	84	III-1217	I-208	PK 058-10.1	PN G058.3-10.9	He 2-464

44"	20	15.5	3+3	9	66	III-1217	I-163	PK 061-9.1	PN G061.4-09.5	He 2-466
1.4'	21.4	13.2	3	3	19	III-1088	I-56	PK 093-5.2	PN G093.4+05.4	
28"	15.3	12.5	4+6	16	123	III-1335	II-300	PK 037-34.1	PN G037.7-34.5	
25"	18.7	14.2	3a	9	32	III-1106	I-85	PK 089-0.1	PN G089.0+00.3	
18"	15.6	16.5	3a	9	32	III-1126	I-85	PK 084-3.1	PN G084.9-03.4	
1.1'	23.6	19.1	3a	9	32	III-1105	I-86	PK 089-0.1	PN G089.8-00.6	
1.0'	19.6	19.1	3b	9	32	III-1105	I-86	PK 088-1.1	PN G088.7-01.6	
1.0"	14.6	14.9	1	17	83	III-1238	I-210	PK 065-27.1	PN G065.0-27.3	
2.0"	14.5	16.7	2	9	32	III-1125	I-86	PK 089-5.1	PN G089.8-05.1	
32"	20	17.3	2	9	47	III-1125	I-86	PK 086-8.1	PN G086.5-08.8	
1.7'	23.1	13.8	4	17	83	III-1238	I-211	PK 066-28.1	PN G066.7-28.2	
7.5"	16.7	16.3	2	9	31	III-1103	I-57	PK 100-5.1	PN G100.6-05.4	
16.0'	20.9	13.5	4+5	23	142	III-1355	II-347	PK 036-57.1	PN G036.1-57.1	
22"	19.3	16	4+3b	3	19	III-1071	I-34	PK 107-2.1	PN G107.8+02.3	
17"	14.5	14	4+3	9	30	III-1120	I-88	PK 106-17.1	PN G106.5-17.6	
5.3'	27.3	16.1	3b	9	45	III-1162	I-124	PK 104-29.1	PN G104.2-29.6	
1.6'	24.8	14.9	3b	3	18	III-1069	I-59	PK 114-4.1	PN G114.0-04.6	

ESO

ARO

ESO 482-7

ARO 76

ARO 60

ARO 127

ESO 560-9

ESO 493-11 ARO 93

ARO 121

ESO 372-13

ESO 316-27

ESO 568-5

ESO 573-19

ESO 577

ESO 328-34

ESO 389-7

ARO 49

ESO 389-15 ARO 500

ESO 331-6

ESO 587-1

ESO 392-5 ARO 502

ESO 333-5

ESO 520-3

ESO 589-9 ARO 67

ESO 589-20 ARO 96

ESO 590-1

ESO 456-70 ARO 68

ESO 394-33 ARO 503

ARO 7

ESO 590-8

ESO 590-12 ARO 70

ESO 522-22 ARO 99

ESO 522-26

ESO 522-23

ESO 523-1 ARO 71

ESO 396-2

ARO 8

ARO 185

ESO 337-20

ARO 72

ARO 151

ARO 74

ARO 57

ARO 108

ARO 110



ARO 357

ARO 112

ARO 89

ARO 194

ARO 85

ARO 55

ARO 195

ARO 114