

RASC Finest NGC Observing Program Checklist

Use this checklist to monitor your progress.

Version 2.1a. Edited on 19 June 2021.

Record your detailed observations on the provided observing forms or your own logsheets.

Sketching is optional but highly encouraged.

The "+" column denotes special combination objects. E.g. FNGC # 26 is for NGC 1973 with 1975 and 1977.

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Autumn Sky											
1	NGC 7009		Saturn Nebula	Aqr	PN	21h04m10.9s	-11°21'48"	8.3	28"	!!	<input type="checkbox"/>
2	NGC 7293		Helix	Aqr	PN	22h29m38.5s	-20°50'14"	6.3	16.0'	!!	<input type="checkbox"/>
3	NGC 7331		Deer Lick Group	Peg	Gal	22h37m04.3s	+34°24'59"	10.2	9.1'x 3.4'	!!	<input type="checkbox"/>
4	NGC 7635		Bubble Nebula	Cas	EN	23h20m43.0s	+61°12'31"	11	16.0'x 9.0'		<input type="checkbox"/>
5	NGC 7789		OCL 269	Cas	OC	23h57m24.0s	+56°42'30"	7.5	25.0'	!!	<input type="checkbox"/>
6	NGC 185		MCG 8-2-10	Cas	Gal	00h38m57.9s	+48°20'15"	10.2	10.7'x 8.9'		<input type="checkbox"/>
7	NGC 281		PacMan Nebula	Cas	EN	00h53m00.0s	+56°37'00"	7.4	30.0'	!!	<input type="checkbox"/>
8	NGC 457		ET Cluster	Cas	OC	01h19m35.0s	+58°17'12"	5.1	20.0'		<input type="checkbox"/>
9	NGC 663		Collinder 20	Cas	OC	01h46m09.0s	+61°14'06"	6.4	14.0'		<input type="checkbox"/>
10	IC 289		PN G138.8+02.8	Cas	PN	03h10m19.3s	+61°19'01"	12	45"		<input type="checkbox"/>
11	NGC 7662		Blue Snowball	And	PN	23h25m54.0s	+42°32'05"	8.6	17"	!!	<input type="checkbox"/>
12	NGC 891		Silver Needle	And	Gal	02h22m33.6s	+42°20'46"	10.9	11.7'x 2.3'	!!	<input type="checkbox"/>
13	NGC 253		Sculptor Galaxy	Scl	Gal	00h47m33.1s	-25°17'20"	7.9	28.2'x 5.5'	!!	<input type="checkbox"/>
14	NGC 772		Arp 78	Ari	Gal	01h59m20.0s	+19°00'28"	10.6	5.9'x 3.2'		<input type="checkbox"/>
15	NGC 246		Skull Nebula	Cet	PN	00h47m03.3s	-11°52'19"	10.4	4.0'		<input type="checkbox"/>
16	NGC 936		MCG 0-7-17	Cet	Gal	02h27m37.5s	-01°09'20"	11.2	4.5'x 3.4'		<input type="checkbox"/>
17	NGC 884		Double Cluster with 869	Per	OC	02h22m18.0s	+57°08'12"	4.4	18.0'	!!	<input type="checkbox"/>
18	NGC 1023		Arp 135	Per	Gal	02h40m24.0s	+39°03'48"	9.6	7.6'x 2.8'		<input type="checkbox"/>
19	NGC 1491		Sh 2-206	Per	EN	04h03m20.6s	+51°19'17"		9.0'		<input type="checkbox"/>
20	NGC 1501		PN G144.5+06.5	Cam	PN	04h06m59.2s	+60°55'14"	12	56"		<input type="checkbox"/>
21	NGC 1232		Arp 41	Eri	Gal	03h09m45.3s	-20°34'51"	10.6	6.3'x 5.5'		<input type="checkbox"/>
22	NGC 1535		Cleopatra's Eye	Eri	PN	04h14m15.8s	-12°44'22"	9.4	20"		<input type="checkbox"/>

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Winter Sky											
23	NGC 1514		Crystal Ball Nebula	Tau	PN	04h09m17.0s	+30°46'33"	10.8	2.0'		<input type="checkbox"/>
24	NGC 1931			Aur	E/RN	05h31m27.7s	+34°14'55"	14	1.8'		<input type="checkbox"/>
25	NGC 1788		vdB 33	Ori	RN	05h06m54.0s	-03°20'00"		10.0'x 6.0'		<input type="checkbox"/>
26	NGC 1973	+	with NGC 1975 & 1977	Ori	E/RN	05h35m06.0s	-04°44'00"	7	13.1'		<input type="checkbox"/>
27	NGC 2022		PN G196.6-10.9	Ori	PN	05h42m06.2s	+09°05'11"	11.7	28"		<input type="checkbox"/>
28	NGC 2024		Flame Nebula	Ori	EN	05h41m42.0s	-01°51'00"		20.0'		<input type="checkbox"/>
29	NGC 2194		Collinder 87	Ori	OC	06h13m45.0s	+12°48'24"	10	9.0'		<input type="checkbox"/>
30	NGC 2371		Gemini Nebula; 2372?	Gem	PN	07h25m34.7s	+29°29'26"	11.2	1.2'		<input type="checkbox"/>
31	NGC 2392		Clown Face	Gem	PN	07h29m10.8s	+20°54'42"	8.6	47"	!!	<input type="checkbox"/>
32	NGC 2237	+	Rosette	Mon	EN	06h32m02.0s	+04°59'10"	5.5	70.0'x 60.0'		<input type="checkbox"/>
33	NGC 2261		Hubble's Variable Nebula	Mon	E/RN	06h39m10.0s	+08°45'00"		2.2'x 1.5'		<input type="checkbox"/>
34	NGC 2359		Thor's Helmet	CMa	EN	07h18m30.0s	-13°14'00"		10.0'		<input type="checkbox"/>
35	NGC 2440		PN G234.8+02.4	Pup	PN	07h41m55.4s	-18°12'31"	11.5	54"		<input type="checkbox"/>
36	NGC 2539		Collinder 176	Pup	OC	08h10m37.0s	-12°49'06"	8	9.0'		<input type="checkbox"/>
37	NGC 2403		MCG 11-10-7	Cam	Gal	07h36m50.7s	+65°36'09"	8.8	20.0'x 10.0'	!!	<input type="checkbox"/>
38	NGC 2655		Arp 225	Cam	Gal	08h55m38.9s	+78°13'25"	11	4.5'x 2.8'		<input type="checkbox"/>

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Spring Sky (part 1)											
39	NGC 2683		UFO Galaxy	Lyn	Gal	08h52m41.2s	+33°25'16"	10	8.7'x 2.5'		<input type="checkbox"/>
40	NGC 2841		MCG 9-16-5	UMa	Gal	09h22m02.5s	+50°58'35"	10	7.8'x 3.7'	!!	<input type="checkbox"/>
41	NGC 3079		MCG 9-17-10	UMa	Gal	10h01m58.5s	+55°40'50"	11.4	7.8'x 1.3'		<input type="checkbox"/>
42	NGC 3184		MCG 7-21-37	UMa	Gal	10h18m17.0s	+41°25'28"	10.4	7.2'x 7.1'		<input type="checkbox"/>
43	NGC 3877		MCG 8-22-2	UMa	Gal	11h46m07.8s	+47°29'41"	11.8	5.0'x 1.1'		<input type="checkbox"/>
44	NGC 3941		MCG 6-26-51	UMa	Gal	11h52m55.3s	+36°59'11"	11.3	3.5'x 2.3'		<input type="checkbox"/>
45	NGC 4026		MCG 9-20-52	UMa	Gal	11h59m25.2s	+50°57'42"	11.7	4.7'x 0.9'		<input type="checkbox"/>
46	NGC 4088		Arp 18	UMa	Gal	12h05m33.7s	+50°32'22"	11.3	5.8'x 2.2'		<input type="checkbox"/>
47	NGC 4157		MCG 9-20-106	UMa	Gal	12h11m04.9s	+50°29'07"	12.1	6.6'x 1.2'		<input type="checkbox"/>
48	NGC 4605		MCG 10-18-74	UMa	Gal	12h39m59.4s	+61°36'33"	10.8	5.9'x 2.3'		<input type="checkbox"/>
49	NGC 3115		Spindle Galaxy	Sex	Gal	10h05m14.0s	-07°43'07"	10	7.6'x 3.5'		<input type="checkbox"/>
50	NGC 3242		Ghost of Jupiter	Hya	PN	10h24m46.1s	-18°38'32"	8.6	40"	!!	<input type="checkbox"/>

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Spring Sky (part 2)											

51	NGC 3003	MCG 6-22-13	LMi	Gal	09h48m35.6s	+33°25'19"	12.2	5.1'x 1.3'		<input type="checkbox"/>
52	NGC 3344	MCG 4-25-46	LMi	Gal	10h43m31.2s	+24°55'20"	10.5	6.6'x 6.3'		<input type="checkbox"/>
53	NGC 3432	Arp 206	LMi	Gal	10h52m30.9s	+36°37'09"	11.6	6.8'x 1.6'		<input type="checkbox"/>
54	NGC 2903		Leo	Gal	09h32m09.7s	+21°30'03"	10	11.5'x 4.2'	!!	<input type="checkbox"/>
55	NGC 3384	MCG 2-28-12	Leo	Gal	10h48m16.9s	+12°37'43"	10.9	5.4'x 3.2'		<input type="checkbox"/>
56	NGC 3521	MCG 0-28-30	Leo	Gal	11h05m48.8s	-00°02'06"	9.9	9.5'x 4.6'		<input type="checkbox"/>
57	NGC 3607	MCG 3-29-20	Leo	Gal	11h16m54.5s	+18°03'11"	10.9	4.6'x 4.0'		<input type="checkbox"/>
58	NGC 3628	Arp 317	Leo	Gal	11h20m16.9s	+13°35'28"	10	12.3'x 3.3'		<input type="checkbox"/>
59	NGC 4111	MCG 7-25-26	CVn	Gal	12h07m03.2s	+43°03'55"	11.7	2.0'x 0.6'		<input type="checkbox"/>
60	NGC 4214	MCG 6-27-42	CVn	Gal	12h15m39.1s	+36°19'41"	10.2	7.8'x 6.3'		<input type="checkbox"/>
61	NGC 4244	Silver Needle	CVn	Gal	12h17m29.5s	+37°48'25"	10.4	15.1'x 5.9'	!!	<input type="checkbox"/>
62	NGC 4449	MCG 7-26-9	CVn	Gal	12h28m10.9s	+44°05'33"	9.5	5.2'x 3.3'		<input type="checkbox"/>
63	NGC 4490	Cocoon Galaxy	CVn	Gal	12h30m36.4s	+41°38'37"	9.8	6.3'x 2.0'		<input type="checkbox"/>
64	NGC 4631	+ Whale Galaxy	CVn	Gal	12h42m07.7s	+32°32'34"	9.5	13.2'x 2.4'	!!	<input type="checkbox"/>
65	NGC 4656	+ Hockey Stick or Crowbar	CVn	Gal	12h43m57.6s	+32°10'13"	9.7	8.5'x 1.1'	!!	<input type="checkbox"/>
66	NGC 5005	MCG 6-29-52	CVn	Gal	13h10m56.3s	+37°03'30"	10.5	5.4'x 2.0'		<input type="checkbox"/>
67	NGC 5033	MCG 6-29-62	CVn	Gal	13h13m27.5s	+36°35'37"	10.7	9.5'x 4.3'		<input type="checkbox"/>
68	NGC 4274	MCG 5-29-60	Com	Gal	12h19m50.5s	+29°36'51"	11.3	5.0'x 2.1'		<input type="checkbox"/>
69	NGC 4414	MCG 5-29-85	Com	Gal	12h26m27.1s	+31°13'22"	11	2.8'x 1.6'		<input type="checkbox"/>
70	NGC 4494	MCG 4-30-2	Com	Gal	12h31m24.0s	+25°46'30"	10.7	4.4'x 4.2'		<input type="checkbox"/>
71	NGC 4559	MCG 5-30-30	Com	Gal	12h35m57.7s	+27°57'35"	10.3	10.0'x 4.3'		<input type="checkbox"/>
72	NGC 4565	Needle Galaxy	Com	Gal	12h36m20.8s	+25°59'15"	10.1	14.5'x 2.3'	!!	<input type="checkbox"/>
73	NGC 4725	MCG 4-30-22	Com	Gal	12h50m26.6s	+25°30'03"	9.9	9.5'x 6.6'		<input type="checkbox"/>
74	NGC 4038	The Antennae with 4039	Crv	Gal	12h01m52.9s	-18°52'03"	10.9	4.4'x 2.7'		<input type="checkbox"/>
75	NGC 4361	PN G294.1+43.6	Crv	PN	12h24m30.8s	-18°47'06"	10.9	1.3'		<input type="checkbox"/>
76	NGC 4216	MCG 2-31-72	Vir	Gal	12h15m54.3s	+13°09'00"	11	7.9'x 1.9'		<input type="checkbox"/>
77	NGC 4388	MCG 2-32-41	Vir	Gal	12h25m46.8s	+12°39'44"	11.9	5.5'x 1.4'		<input type="checkbox"/>
78	NGC 4438	The Eyes with 4435	Vir	Gal	12h27m45.9s	+13°00'32"	10.9	8.9'x 5.1'		<input type="checkbox"/>
79	NGC 4517	often mislabeled NGC 4437	Vir	Gal	12h32m45.6s	+00°06'54"	11.1	9.8'x 1.5'		<input type="checkbox"/>
80	NGC 4526	MCG 1-32-100	Vir	Gal	12h34m03.0s	+07°41'57"	10.6	7.9'x 2.9'		<input type="checkbox"/>
81	NGC 4535	Lost Galaxy	Vir	Gal	12h34m20.3s	+08°11'52"	10.5	7.2'x 6.3'		<input type="checkbox"/>

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Spring Sky (part 3)											
82	NGC 4567		Siamese Twins	Vir	Gal	12h36m32.7s	+11°15'28"	12.1	2.9'x 2.2'		<input type="checkbox"/>
82	NGC 4568		Siamese Twins	Vir	Gal	12h36m34.3s	+11°14'19"	11.7	4.4'x 2.3'		<input type="checkbox"/>

83	NGC 4699	MCG -1-33-13	Vir	Gal	12h49m02.2s	-08°39'52"	10.4	4.0'x 3.0'	<input type="checkbox"/>
84	NGC 4762	MCG 2-33-33	Vir	Gal	12h52m55.9s	+11°13'50"	11.1	8.5'x 3.2'	<input type="checkbox"/>
85	NGC 5746	MCG 0-38-5	Vir	Gal	14h44m56.0s	+01°57'17"	11.4	6.8'x 1.1'	<input type="checkbox"/>
86	NGC 5466		Boo	GC	14h05m27.0s	+28°32'06"	9.2	9.0'	<input type="checkbox"/>
87	NGC 5907	Splinter Galaxy	Dra	Gal	15h15m53.7s	+56°19'44"	11.1	11.0'x 1.4'	!! <input type="checkbox"/>
88	NGC 6503	MCG 12-17-9	Dra	Gal	17h49m26.5s	+70°08'40"	10.8	6.5'x 2.1'	<input type="checkbox"/>
89	NGC 6543	Cat's Eye Nebula	Dra	PN	17h58m33.4s	+66°37'59"	8.3	22"	<input type="checkbox"/>

Number	NGC	+	Alternate ID	Con	Cls	RA 2000	Decl 2000	Mag	Size	Rating	Done
The Summer Sky											
90	NGC 6210		Turtle Nebula	Her	PN	16h44m29.5s	+23°48'00"	9.7	20"		<input type="checkbox"/>
91	NGC 6369		Little Ghost Nebula	Oph	PN	17h29m20.4s	-23°45'34"	11	30"		<input type="checkbox"/>
92	NGC 6572		Blue Racquetball	Oph	PN	18h12m06.4s	+06°51'12"	8	15"		<input type="checkbox"/>
93	NGC 6633		Collinder 380	Oph	OC	18h27m15.0s	+06°30'30"	5.6	20.0'		<input type="checkbox"/>
94	NGC 6712			Sct	GC	18h53m04.0s	-08°42'18"	8.1	9.8'		<input type="checkbox"/>
95	NGC 6781		PN G041.8-02.9	Aql	PN	19h18m28.1s	+06°32'19"	11.8	1.9'		<input type="checkbox"/>
96	NGC 6819		Collinder 403	Cyg	OC	19h41m18.0s	+40°11'12"	9.5	5.0'		<input type="checkbox"/>
97	NGC 6826		Blinking Planetary	Cyg	PN	19h44m48.2s	+50°31'30"	8.8	27"	!!	<input type="checkbox"/>
98	NGC 6888		Crescent Nebula	Cyg	EN	20h12m12.0s	+38°19'00"	10	17.0'x 9.0'		<input type="checkbox"/>
99a	NGC 6992		Veil Nebula (East)	Cyg	SNR	20h56m24.0s	+31°43'00"	7	60.0'x 7.0'	!!	<input type="checkbox"/>
99b	NGC 6960		Veil Nebula (West)	Cyg	SNR	20h45m42.0s	+30°43'00"	7	63.0'x 6.0'	!!	<input type="checkbox"/>
100	NGC 7000		North American Nebula	Cyg	EN	20h58m30.0s	+44°22'28"	4	120.0'	!!	<input type="checkbox"/>
101	NGC 7027		Magic Carpet	Cyg	PN	21h07m01.7s	+42°14'10"	9.6	18"		<input type="checkbox"/>
102	NGC 6445		He 2-290	Sgr	PN	17h49m15.1s	-20°00'34"	13	35"		<input type="checkbox"/>
103	NGC 6520	+	Collinder 361	Sgr	OC	18h03m24.0s	-27°53'18"	7.6	5.0'		<input type="checkbox"/>
104	NGC 6818		Little Gem	Sgr	PN	19h43m57.8s	-14°09'12"	10	22"		<input type="checkbox"/>
105	NGC 6802		Collinder 400	Vul	OC	19h30m35.0s	+20°15'42"	11.7	5.0'		<input type="checkbox"/>
106	NGC 6940		Collinder 424	Vul	OC	20h34m26.0s	+28°17'00"	7.2	25.0'		<input type="checkbox"/>
107	NGC 6939		Collinder 423	Cep	OC	20h31m30.0s	+60°39'42"	10.1	10.0'		<input type="checkbox"/>
108	NGC 6946		Fireworks Galaxy; Arp 29	Cyg	Gal	20h34m52.7s	+60°09'14"	9.8	10.5'x 10.0'		<input type="checkbox"/>
109	NGC 7129		Small Cluster Nebula	Cep	RN	21h43m00.0s	+66°07'00"	11.5	2.7'		<input type="checkbox"/>
110	NGC 40		Bowtie Nebula	Cep	PN	00h13m01.0s	+72°31'19"	10.7	1.0'		<input type="checkbox"/>