

OctoberQuest Observation Checklist RASC Calgary Centre

Name: _____

Location: _____

Date: _____

Weather: _____

Time	Level	Object	Cons	Type	Mag	Size	R.A.	Dec	Notes
1 _____	2	M 3	CVN	GC	6.4	16.2	13 42.2	+28 23	between Arcturus & Cor Caroli
2 _____	1	M 12	OPH	GC	6.6	14.5	16 47.2	-01 57	
3 _____	1	M 10	OPH	GC	6.6	15.1	16 57.1	-04 06	
4 _____	1	M 22	SGR	GC	5.1	24	18 36.4	-23 54	east of teapot top, large
5 _____	1	M 28	SGR	GC	6.9	11.2	18 24.5	-24 52	just w of teapot top
6 _____	1	M 8	SGR	BN	5	80X40	18 03.1	-24 23	Lagoon Nebula
7 _____	2	M 20	SGR	BN	6.3	28	18 02.3	-23 02	Trifid nebula
8 _____	2	M 21	SGR	OC	5.9	13	18 04.6	-22 30	just above Trifid M20
9 _____	1	M 25	SGR	OC	4.6	32	18 31.6	-19 15	Stars mags 6...10
10 _____	1	M 24	SGR	OC	4	120X90	18 17.0	-18 35	Sm Sgr * Cloud
11 _____	1	M 23	SGR	OC	5.5	27	17 56.8	-19 01	100 stars to 13th mag
12 _____	2	M 18	SGR	OC	6.9	9	18 19.9	-17 08	
13 _____	2	M 17	SGR	BN	6	11	18 20.8	-16 11	Omega or Swan Nebula
14 _____	2	M 16	SER	BN	6	6	18 18.8	-13 47	Eagle Nebula
15 _____	2	M 14	OPH	GC	7.6	11.7	17 37.6	-03 15	
16 _____	1	M 11	SCT	OC	5.8	14	18 51.1	-06 16	Wild Duck cluster
17 _____	2	M 26	SCT	OC	8	15	18 45.2	-09 24	just below M11
18 _____	3	NGC6712	SCT	GC	8.2	7.2	18 53.1	-08 42	
19 _____	3	M 75	SGR	GC	8.6	6	20 06.1	-21 55	
20 _____	3	NGC6818	SGR	PN	10	5"	19 44.0	-14 09	Little Gem Nebula
21 _____	1	NGC6633	OPH	OC	4.6	27	18 27.7	+06 34	large open cluster
22 _____	3	NGC6709	AQL	OC	6.7	13	18 51.5	+10 21	visible in binoculars
23 _____	3	? See note	AQL	TS			18 55.7	+11 18	equilateral triple stars, mag10/11
24 _____	3	M101	UMA	GX	7.9	28X28	14 03.3	+54 22	large but very faint
25 _____	3	? See note	UMI	AST		15	16 29.0	+80 13	mini-coathanger asterism
26 _____	3	NGC5907	DRA	GX	10.3	12.8X1.8	15 15.9	+56 19	
27 _____	3	M102	DRA	GX	9.9	6.5X3	15 06.5	+55 45	
28 _____	3	NGC6503	DRA	GX	10.2	8X2.6	17 49.4	+70 09	
29 _____	3	NGC6543	DRA	PN	8.3	22"X16"	17 58.6	+66 38	Cats Eye Nebula
30 _____	3	Kemble 2	DRA	AST	7	20X10	18 35.6	+72 24	mini Cassiopeia asterism
31 _____	1	M 13	HER	GC	5.9	16.6	16 41.7	+36 28	Hercules cluster
32 _____	3	NGC6207	HER	GX	11.6	3.3X1.2	16 43.1	+36 50	30' NE from M13, small
33 _____	2	NGC6229	HER	GC	9.4	4.5	16 47.0	+47 32	small but bright
34 _____	1	M 92	HER	GC	6.5	11.2	17 17.1	+43 08	fairly bright
35 _____	3	NGC6210	HER	PN	8.8	>14"	16 44.5	+23 49	
36 _____	2	M 57	LYR	PN	9.4	86"X62"	18 53.6	+33 02	Ring Nebula
37 _____	2	M 56	LYR	GC	8.3	7.1	19 16.6	+30 11	
38 _____	2	T Lyrae	LYR	CS	7.5-9.3		18 32.0	+37 00	Red carbon star

Time	Lvl	Object	Cons	Type	Mag	Size	R.A.	Dec	Notes
39		NGC6826	CYG	PN	8.8	27"X24"	19 44.8	+50 31	Blinking Planetary
40	1	M 39	CYG	OC	4.6	32	21 32.2	+48 26	Large but loose cluster
41	1	M 29	CYG	OC	6.6	7	20 23.9	+38 32	6 brighter stars
42	3	NGC6960	CYG	SNR	99.9	70X6	20 45.6	+30 43	Veil Neb, 52 Cyg inv
43	3	NGC6819	CYG	OC	7.3	9.5	19 41.3	+40 11	Foxhead cluster
44	3	NGC6940	VUL	OC	6.3	31	20 34.6	+28 18	100 * mags 9...
45	1	M 27	VUL	PN	7.3	480"X340"	19 59.6	+22 43	Dumbbell Nebula
46	1	Cr399+	VUL	OC	3.6	60	19 25.4	+20 11	Coathanger, bino object
47	2	M 71	SGE	GC	8.3	7.2	19 53.8	+18 47	
48	3	NGC6934	DEL	GC	8.9	2	20 34.2	+07 24	
49	3	NGC7006	DEL	GC	11.5	2.8	21 01.5	+16 11	
50	1	M 15	PEG	GC	6.4	2.3	21 30.0	+12 10	NW of Enif
51	1	M 2	AQR	GC	6.5	12.9	21 33.5	-00 49	
52	3	NGC7293	AQR	PN	6.3	960"X720"	22 29.6	-20 48	Helix Nebula
53	3	M 72	AQR	GC	9.4	5.9	20 53.5	-12 32	3 deg WSW of N 7009
54	3	M 73	AQR	OC	8.9	2.8	20 59.0	-12 38	four stars in Y shape
55	3	NGC7009	AQR	PN	8.3	28"X23"	21 04.2	-11 22	Saturn Nebula
56	2	M 30	CAP	GC	7.5	11	21 40.4	-23 11	
57	2	M103	CAS	OC	7.4	6	01 33.2	+60 42	thin triangular shape
58	2	NGC 663	CAS	OC	7.1	16	01 46.0	+61 15	
59	2	NGC457	CAS	OC	6.4	13	01 19.1	+58 20	Owl or ET cluster
60	3	NGC7789	CAS	OC	6.7	16	23 57.0	+56 44	compact, v faint stars
61	2	M 52	CAS	OC	6.9	13	23 24.2	+61 35	
62	3	NGC6939	CEP	OC	7.8	8	20 31.4	+60 38	
63	3	NGC7331	PEG	GX	9.5	11.4X4.0	22 37.1	+34 25	fairly bright
64	3	NGC7662	AND	PN	8.6	17"X14"	23 25.9	+42 33	Blue Snowball Nebula
65	1	M 31	AND	GX	3.4	178X40	00 42.8	+41 16	Great Andromeda Galaxy
66	2	M 32	AND	GX	8.1	8X6	00 42.8	+40 52	M31 Companion
67	2	M110	AND	GX	8.1	17X10	00 40.4	+41 41	M31 Companion
68	3	NGC404	AND	GX	10.3	4.3X3.9	01 09.4	+35.43	close to Beta And
69	2	M 33	TRI	GX	5.7	73X45	01 33.9	+30 40	Pinwheel Galaxy
70	3	M 74	PSC	GX	9.4	12.0X12.0	01 36.6	+15 48	quite faint
71	2	M 77	CET	GX	8.9	9X8	02 42.7	-00 02	bright but small
72	3	NGC 936	CET	GX	10.1	5.6X4.5	02 27.7	-01 09	
73	3	NGC 253	SCL	GX	7.2	25X7	00 47.5	-25 18	very low, large galaxy
74	1	M 45	TAU	OC	1.2	100	03 47.0	+24 07	Pleiades
75	2	NGC 752	AND	OC	5.7	50	01 57.8	*37 51	large cluster, the Golf Ball
76	1	M 34	PER	OC	5.2	35	02 42.0	+42 47	bet Algol and Almaak
77	3	NGC1023	PER	GX	9.4	9X4	02 40.5	+39 03	
78	3	M 76	PER	PN	11	163"X107"	01 42.4	+51 34	Little Dumbbell
79	1	NGC869/884	PER	OC	5.3	30	02 19.0	+57 09	Double Cluster
80	3	NGC1501	CAM	PN	12	56"X48"	04 07.0	+60 55	UHC filter helps
81	2	Kemble 1	CAM	OC			03 58.2	+63 05	Kemble's Cascade
82	2	NGC 1502	CAM	OC	6.9	7	04 07.8	+62 20	small OC at end of Cascade

Time	Lvl	Object	Cons	Type	Mag	Size	R.A.	Dec	Notes
83	1	M 38	AUR	OC	6.4	21	05 28.7	+35 50	middle of Auriga
84	3	NGC1907	AUR	OC	8.2	7	05 28.0	+35 19	small, v close to M38
85	1	M 36	AUR	OC	6	12	05 36.1	+34 08	inside Auriga to E of M38
86	1	M 37	AUR	OC	5.6	24	05 52.4	+32 33	outside E side of Auriga
87	3	M 35	GEM	OC	5.1	28	06 08.9	+24 20	Soccer Ball, large, loose
88	3	NGC2158	GEM	OC	8.6	5	06 07.5	+24 06	small, lower edge of M35
89	3	M 1	TAU	SNR	8.4	6X4	05 34.5	+22 01	Crab Nebula
90	3	NGC2169	ORI	OC	5.9	7	06 08.5	+13.58	"37" cluster
91	3	NGC2392	GEM	PN	8.6	47"X43"	07 29.2	+20 55	Clown Face, Eskimo Neb
92	3	M 78	ORI	BN	8	8X6	05 46.8	+00 04	2 stars in nebulosity
93	3	M 42	ORI	BN	4	66X60	05 35.3	-05 23	Orion Nebula
94	3	M 43	ORI	BN	9	20X15	05 35.5	-05 16	just above Orion Nebula
95	3	NGC1662	ORI	OC	6.4	12	04 48.4	+10 57	Klingon battlecruiser asterism
96	3	NGC1535	ERI	PN	10.4	20"X17"	04 14.2	-12 44	Cleopatra's Eye
97	3	M 81	UMA	GX	6.9	26X14	09 55.6	+69 04	bright, oval shape
98	3	M 82	UMA	GX	8.4	13X6	09 55.8	+69 41	near M81, elongated
99	3	M 40	UMA	2S	9		12 21.9	+58 06	double star
100	3	M 44	CNC	OC	3.1	95	08 40.1	+19 59	Beehive Cluster

Constellation abbreviations are the IAU standard.

Object type abbreviations:

- GC globular cluster
- OC open cluster
- PN planetary nebula
- BN bright nebula
- SNR supernova remnant
- GX galaxy
- AST asterism
- CS carbon star

Sizes are in arc minutes, unless noted otherwise.

		Level 1	Level 2	Level 3
Messier objects	56	22	18	16
Finest NGC objects	26	2	2	22
other NGC objects	12	0	3	9
other objects	6	1	2	3
Total	100	25	25	50

Objects Observed

_____	Level 1
_____	Level 2
_____	Level 3
_____	Total