

My Finest NGC Album

A detailed record of my journey through The Royal Astronomical Society of Canada's Finest NGC list

Name: _____ **Centre or Home Location:** _____

The New General Catalogue or NGC contains 7,840 entries and forms the core of most people's "life list" of observing targets. The NGC was originally published in 1888 by J.L.E. Dreyer and therefore predated photographic astronomy. The Finest NGC list, compiled by Alan Dyer complements the Messier List, as there is no overlap. The list features many fine deep-sky treasures as well as a few somewhat more challenging objects. Once you have observed all of the objects on this list, application forms can be found on the RASC website at www.rasc.ca. The FNGC certificate has been awarded since 1995.

Here is an overview of the Finest NGC Observing List

Finest NGC Objects	Number	Notes
Open Clusters	12	Including the famous Double Cluster in Perseus, NGC 7789 in Cassiopeia, and NGC 6633 in Ophiuchus.
Globular Clusters	2	NGC 5466 in Bootes and NGC 6712 in Scutum.
Diffuse Nebulae	14	Includes the great Veil Nebula as well as the North America and Rosette nebulae.
Planetary Nebulae	24	Includes many fine PN's like the Ghost of Jupiter, the Cat's Eye, the Blinking Planetary, the Helix, the Blue Snowball, and the Clown Face nebulae.
Galaxies	58	Includes the amazing NGC 4565 in Coma Berenices, NGC 253 in Sculptor, and NGC 5907 in Draco.
Total	110	The Finest NGC list can be started during any season.

Why Record Your Observations?

Recording observations is important for two reasons. It gives you a permanent record of all the great times you had while observing, and recording scientific details of an observation can help researchers.

Recording Observations Overview

Very few, if any, astronomers remember everything that they have observed through the years, and for that reason alone it is wise to keep a record of your observations. Many experienced astronomers have commented on how much they enjoy looking through their logbooks and recalling the many precious memories that are contained there. It is truly worth the effort to write down your observations.

How to Record Observations

One of the most practical ways of recording observations is to have a template form completed ahead of time that contains all of the known data, like the object's name, number, location, size, magnitude, and so on. You then simply write down your description of the object in the space provided, and then use the time saved to explore other treasures in the night sky. The template can also include an area to make a drawing. The Finest NGC Album has all of those features

Drawing at the Eyepiece

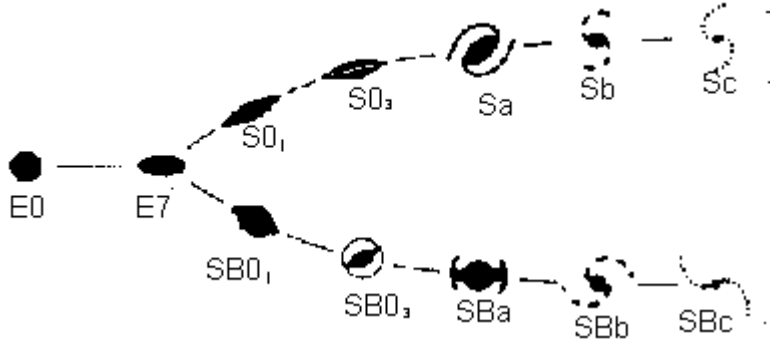
Drawing at the eyepiece can be a very rewarding experience for all the same reasons as making notes. The added bonus of a drawing is that it will clearly show what you saw to other people who may visualize a text description differently than you. Drawing is also the best way to learn how to see the fine detail in the astronomical objects you observe.

How to qualify for the Certificate

All of the objects in the Finest NGC list have to be found by the certificate applicant without assistance from other observers. Many new telescopes are being sold with built-in "Go To" systems and while they are very useful for people who are trying to see many objects in a short time, the "Go To" approach does not allow for the full development of observing skills and abilities. By their very nature they eliminate the challenge that the certificate recognizes and that is the ability to seek out and find astronomical objects using

only your eyes, finder scope, and star charts (all directed by an inquisitive mind). As a result, observations made with "Go To" telescopes, while fine for learning about the night sky, are not eligible for RASC Observing Certificates. The only exception may be to turn off the "Go To" system while doing your certificate list. [No longer true—there are now Traditional and GoTo versions of the certificate.]

Description of fields on the log forms

FIELD	DESCRIPTION
NGC Number:	This is the New General Catalogue designation that consists of a 1-4 digit number.
IC Number:	This is the Index Catalogue designation that is a supplement to the New General Catalogue.
Constellation:	These are the official three letter designations for the 88 recognized constellations.
Type:	<p>PN = Planetary Nebula. OC = Open Cluster. GC = Globular Cluster. SNR = Supernova Remnant. EN= Emission Nebula. RN = Reflection Nebula. E/RN = Emission and Reflection Nebula. G = Galaxies as per diagram below:</p> 

Description of fields on the log forms (continued)

FIELD	DESCRIPTION
Visual Magnitude:	Apparent visual magnitude is a measurement of the objects brightness as seen using average human eyesight.
Size:	Dimensions of an object using degrees, minutes of arc (1/60 degree) and seconds of arc (1/60 minute.)
Distance:	Distance of object measured in light years. Note that these are estimates and sources of this data can vary.
RA (Epoch 2000.0):	Coordinates in Right Ascension, divided into 24-hourly sections as they rise in the east.
Dec (Epoch 2000.0):	Coordinates in Declination as measured +90 degrees north and -90 degrees south of the celestial equator.
UM I:	Map number where you can find the object in the first edition of Uranometria 2000.
UM II:	Map number where you can find the object in the second edition of Uranometria 2000.
Sky Atlas 2000:	Map number where you can find the object in Sky Atlas 2000.
Season:	Season of the year when the object is best seen after dusk.
Remarks:	Brief description of the object and some key observing tips.
Date:	Field for recording the date of an observation.
Time:	Field for recording the time of an observation. Please specify Time Zone or Universal Time.
Seeing:	Place a circle around or an X on top of one number that best describes the stability of the atmosphere. 1 = Best 2 = Above Average 3 = Average 4 = Below Average 5 = Poor Note: A somewhat hazy sky may provide good seeing; therefore use this for measuring stability only.
Transparency:	Place a circle around or an X on top of one number that best describes how clear the sky is. 1 = Best 2 = Above Average 3 = Average 4 = Below Average 5 = Poor Note: A crystal clear sky may provide less than perfect seeing; therefore use this for measuring clarity only.
Telescope:	Field for recording the aperture and type of telescope used. Example: 25-cm reflector.
Eyepiece:	Field for recording the focal length and type of eyepiece used. Example: 17-mm Plossel.
Magnification:	Field for recording the magnification of the telescope/eyepiece combination used. Magnification equals the focal length of the telescope as measured in millimetres divided by the focal length of the eyepiece in millimetres. To calculate the focal length of your telescope in millimetres, use this formula: (Aperture in inches multiplied by the focal ratio) then multiply by 25.4. For example an 8 inch aperture scope with a focal ratio of F6 would have a focal length of (8 x 6 = 48 inches) Conversion: 48 inches x 25.4 = 1219.2 mm.
Observing Location:	Field for recording the location of the observing site.

Credits for the development of these forms

This project began when Stan Runge of the Winnipeg Centre approached the Observing Committee in regard to creating some detailed observing forms that would be specific to the RASC Messier and Finest NGC lists. He then presented prototypes that were made in conjunction with members of the Saskatoon Centre. The committee was impressed and we very much liked the idea that was presented. Soon after that work started on the project and during the time frame from autumn 2002 to spring 2004, as time allowed, we proceeded to further develop the forms and to provide enhanced content.

Dan Williams of the London Centre and Christopher Fleming, Chair of the Committee, worked together on many cloudy evenings to perfect the design as much as possible and to do the tedious work of entering the data for each object. Dan is a computer professional and he managed the various database, graphics, and word processing software programs that were used to bring the whole project together. Christopher acted as the astronomical content advisor and source of the data for the objects as well as the reference material. We hope you enjoy the results of our efforts.

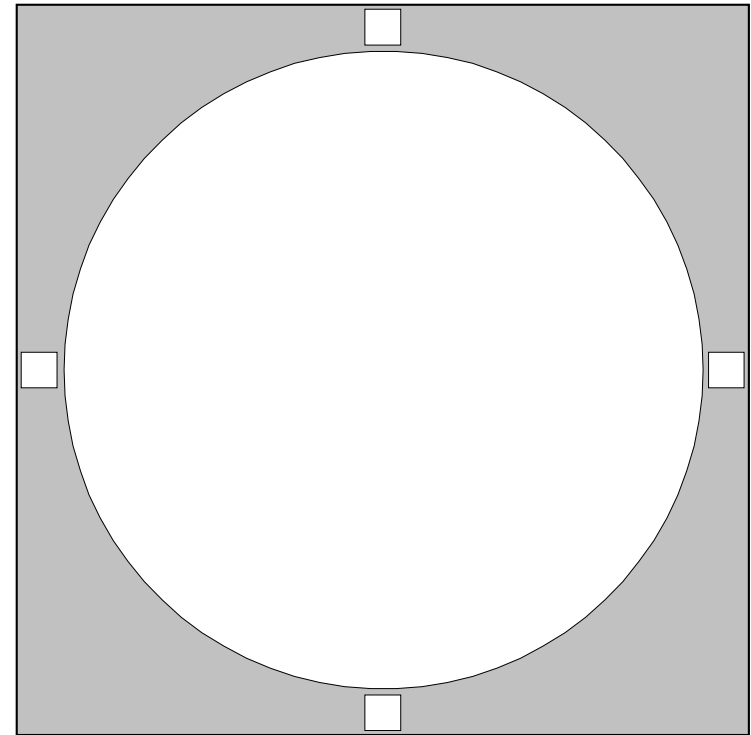
Clear Skies,

RASC Observing Committee,

Summer 2004

RASC Finest NGC - 1
Saturn Nebula

NGC Number	7009		
Constellation	Aquarius		
Type	PN		
Visual Magnitude**	8.3p		
Size	Distance	>25"	2,900 ly
RA (Epoch 2000.0)	21:04.2		
Dec (Epoch 2000.0)	-11:22		
UM I	UM II	299, 300	123
Sky Atlas 2000	16, 17		
Season	Autumn		
Remarks***	!! Saturn Nebula; small bright oval		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

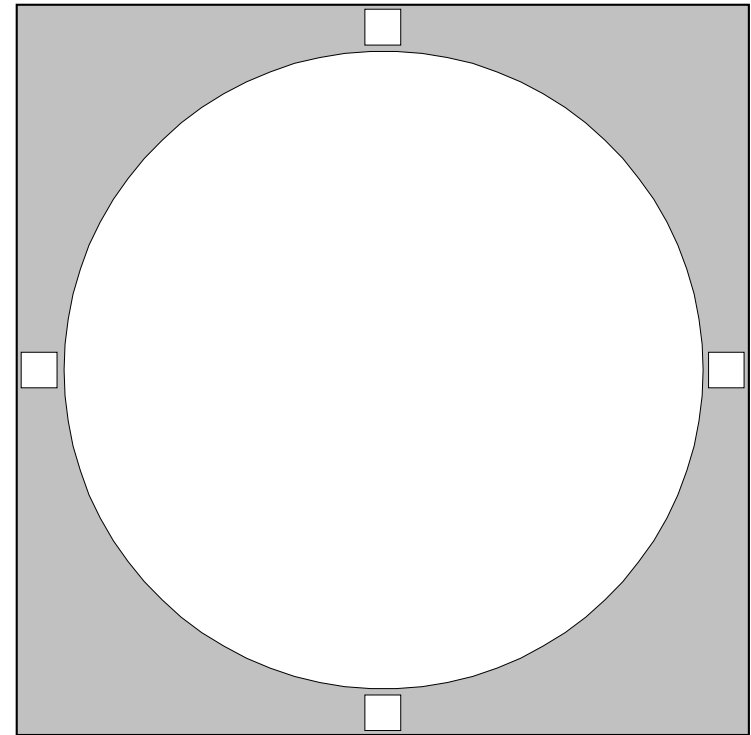
Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 2

Helix Nebula

NGC Number	7293		
Constellation	Aquarius		
Type	PN		
Visual Magnitude**	7.3		
Size	Distance	>12.0' 49"	425 ly
RA (Epoch 2000.0)	22:29.6		
Dec (Epoch 2000.0)	-20:48		
UM I	UM II	347	142
Sky Atlas 2000	23		
Season	Autumn		
Remarks***	!! Helix Nebula; large, diffuse; use filter		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

** p = Photographic Magnitude

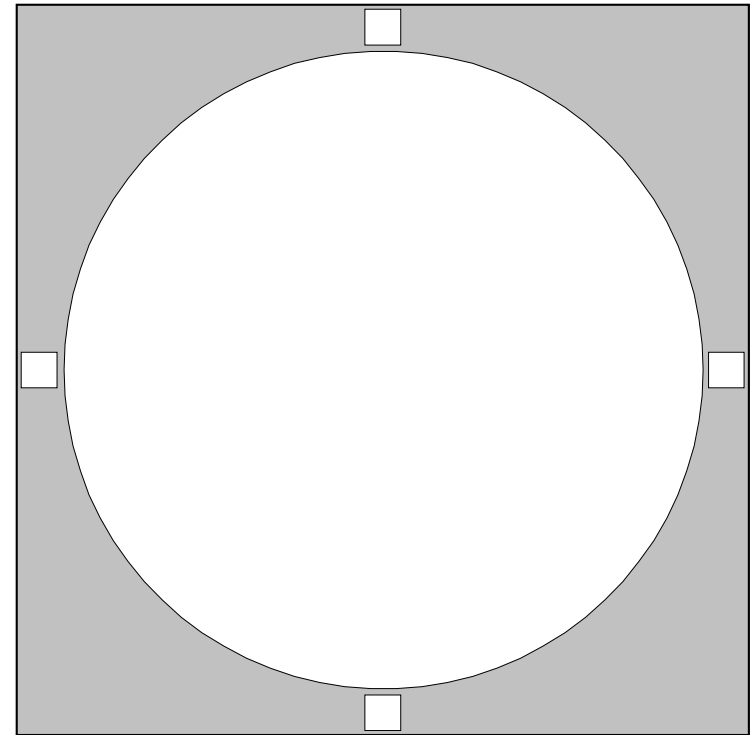
*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 3

Caldwell 30

NGC Number	7331		
Constellation	Pegasus		
Type	G-SAb		
Visual Magnitude**	9.5		
Size	Distance	10.0' x 4.0'	48 million ly
RA (Epoch 2000.0)	22:37.1		
Dec (Epoch 2000.0)	+34:25		
UM I	UM II	123	46
Sky Atlas 2000	9		
Season	Autumn		
Remarks***	!! large, bright spiral galaxy		
Date	Time		
	Seeing	1	2 3 4 5
	Transparency	1	2 3 4 5
	Telescope		
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

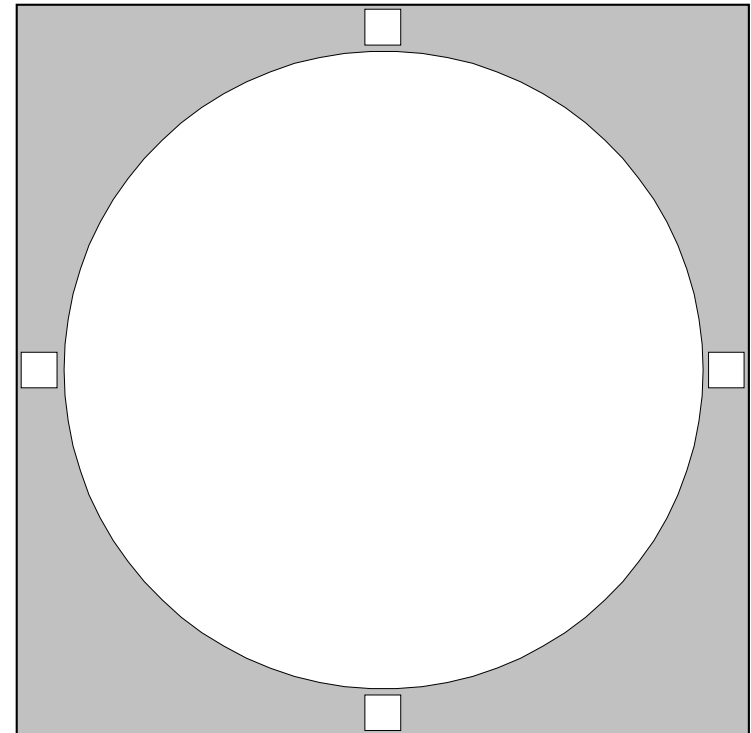
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 4
Bubble Nebula

NGC Number	7635		
Constellation	Cassiopeia		
Type	EN		
Visual Magnitude**	~11		
Size	Distance	15.0' x 8.0'	n/a
RA (Epoch 2000.0)	23:20.7		
Dec (Epoch 2000.0)	+61:12		
UM I	UM II	15, 34, 58	18
Sky Atlas 2000	3		
Season	Autumn		
Remarks***	Bubble Neb.; very faint; 1/2 deg SW of M52		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

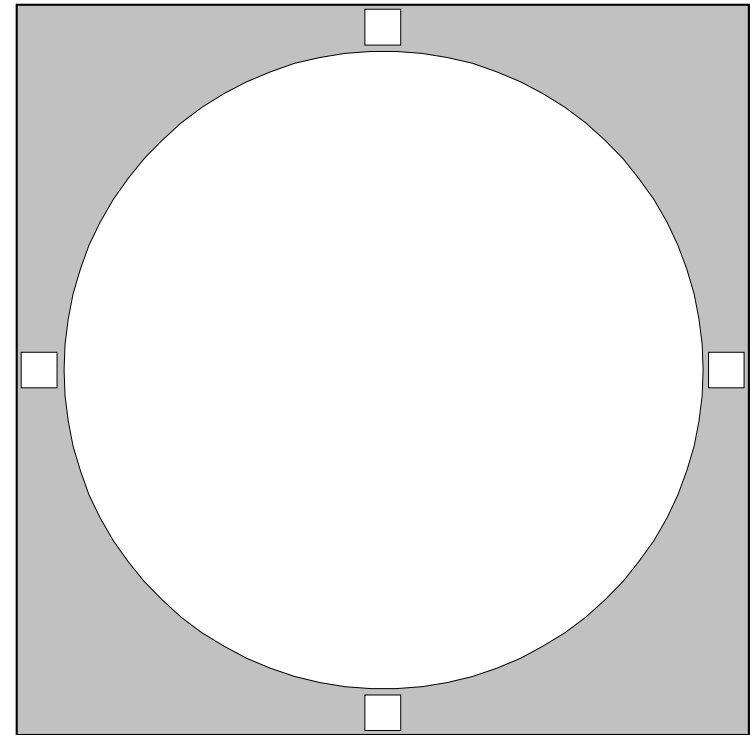
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 5

NGC Number	7789		
Constellation	Cassiopeia		
Type	OC		
Visual Magnitude**	6.7		
Size	Distance	15.0'	6,200 ly
RA (Epoch 2000.0)	23:57.0		
Dec (Epoch 2000.0)	+56:44		
UM I	UM II	35	18
Sky Atlas 2000	1, 3		
Season	Autumn		
Remarks***	!! 300*; faint but very rich cluster		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

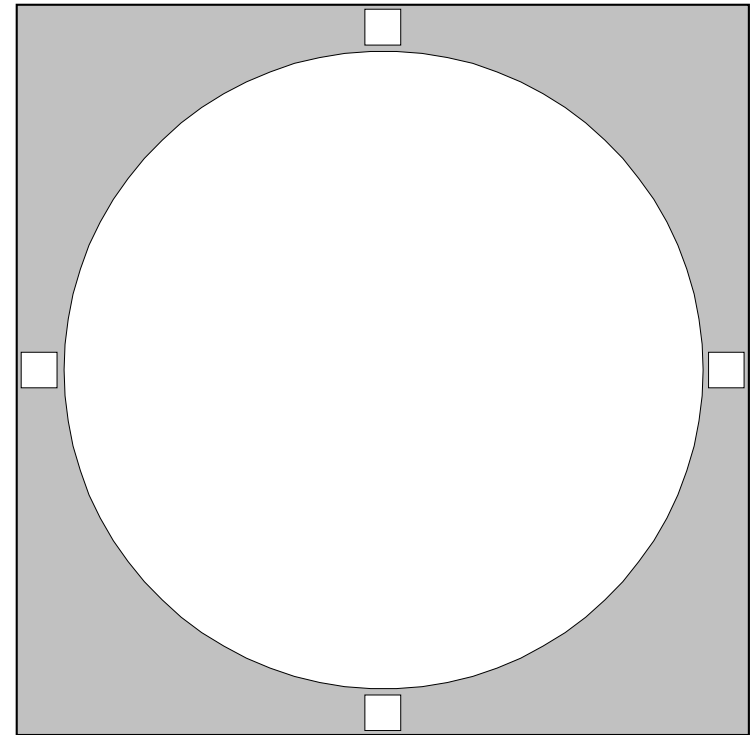


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 6

NGC Number	185		
Constellation	Cassiopeia		
Type	G-E3		
Visual Magnitude**	9.2		
Size	Distance	14.0' x 12.0'	2.2 million ly
RA (Epoch 2000.0)	00:39.0		
Dec (Epoch 2000.0)	+48:20		
UM I	UM II	60	30
Sky Atlas 2000	4, 9		
Season	Autumn		
Remarks***	companion to M31; small and faint		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

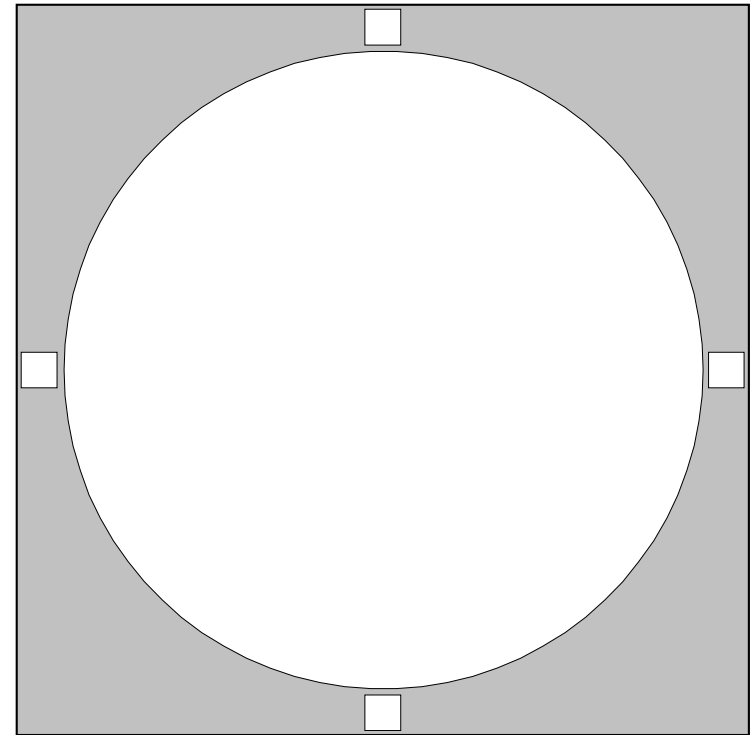


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 7

NGC Number	281		
Constellation	Cassiopeia		
Type	EN		
Visual Magnitude**	7.4p		
Size	Distance	35.0' x 30.0'	n/a
RA (Epoch 2000.0)	00:52.8		
Dec (Epoch 2000.0)	+56:37		
UM I	UM II	36	18
Sky Atlas 2000	1		
Season	Autumn		
Remarks***	!! large faint nebulosity near eta Cas		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

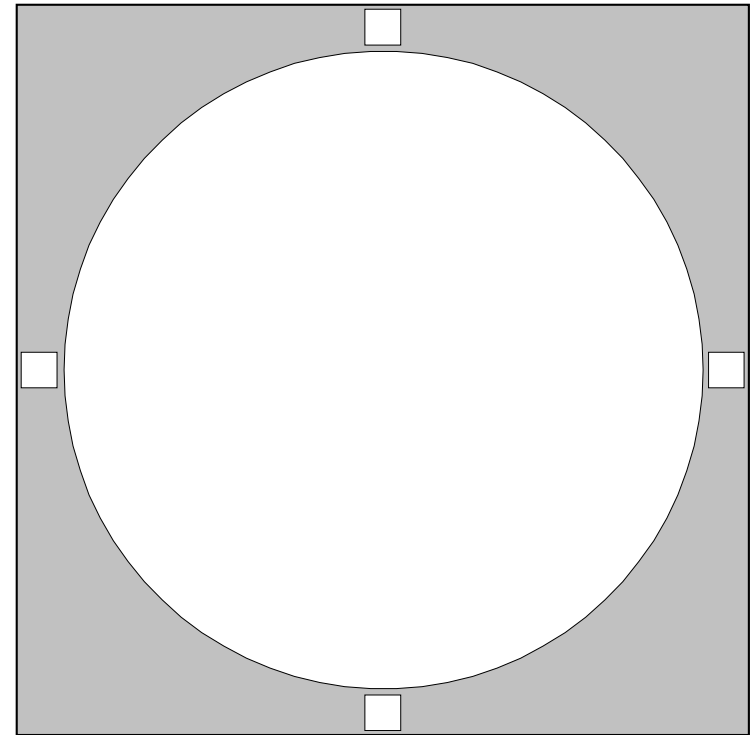
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 8

NGC Number	457		
Constellation	Cassiopeia		
Type	OC		
Visual Magnitude**	6.4		
Size	Distance	13.0'	9,000 ly
RA (Epoch 2000.0)	01:19.1		
Dec (Epoch 2000.0)	+58:20		
UM I	UM II	36	29
Sky Atlas 2000	1		
Season	Autumn		
Remarks***	80*; rich; one of the best Cas clusters		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

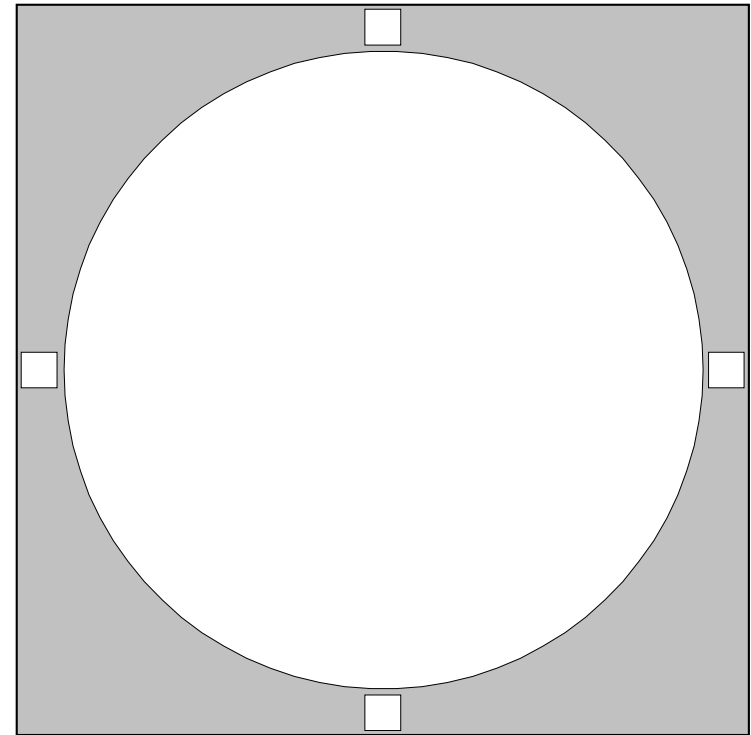
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 9

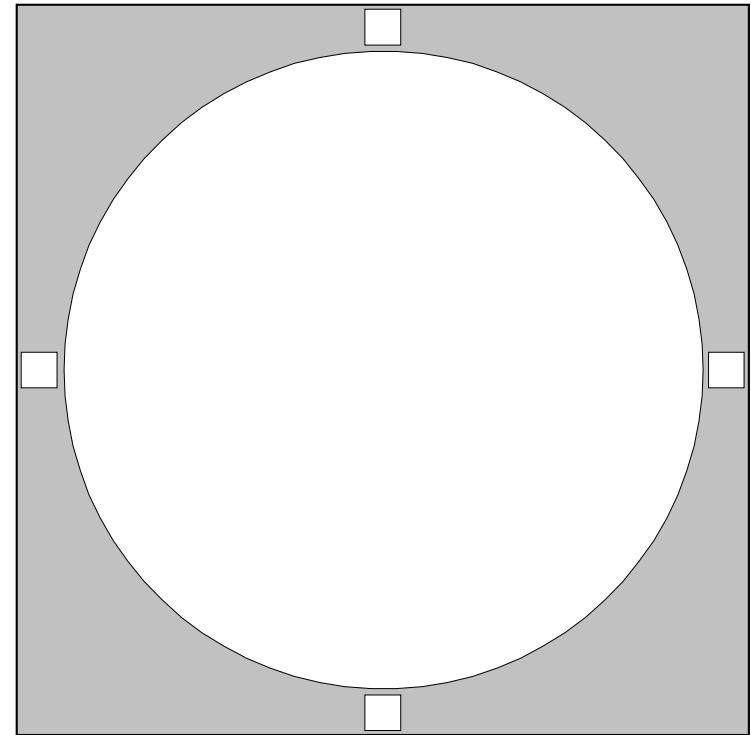
NGC Number	663		
Constellation	Cassiopeia		
Type	OC		
Visual Magnitude**	7.1		
Size	Distance	16.0'	7,200 ly
RA (Epoch 2000.0)	01:46.0		
Dec (Epoch 2000.0)	+61:15		
UM I	UM II	16, 17, 37	29
Sky Atlas 2000	1		
Season	Autumn		
Remarks***	80*; look for NGC's 654 and 659 nearby		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

NGC Number		IC 289	
Constellation		Cassiopeia	
Type		PN	
Visual Magnitude**		13.3	
Size	Distance	>34"	3,900 ly
RA (Epoch 2000.0)		03:10.3	
Dec (Epoch 2000.0)		+61:19	
UM I	UM II	18, 38	28
Sky Atlas 2000		1	
Season		Autumn	
Remarks***		dim oval smudge; use nebula filter!	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

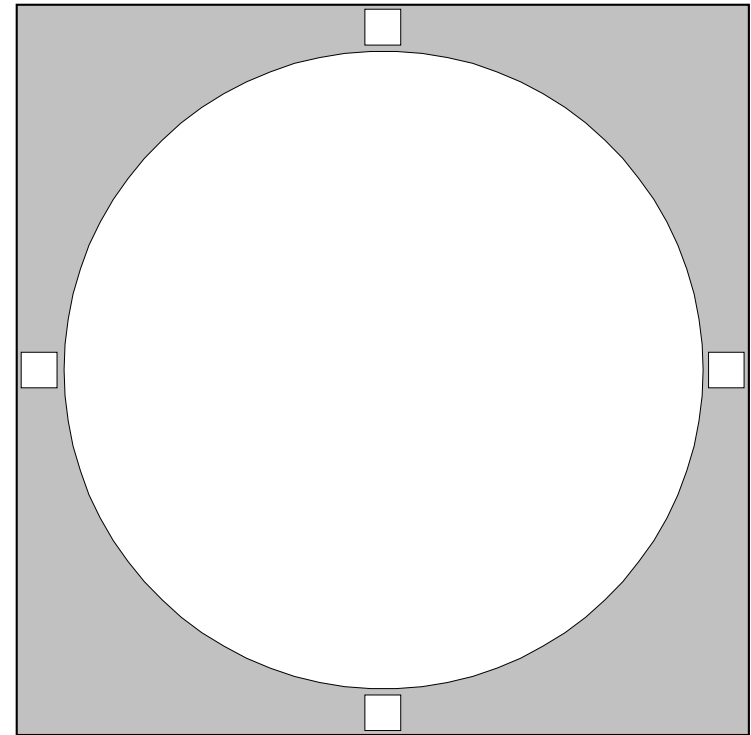
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 11
Blue Snowball

NGC Number	7662		
Constellation	Andromeda		
Type	PN		
Visual Magnitude**	8.3		
Size	Distance	>12"	3,900 ly
RA (Epoch 2000.0)	23:25.9		
Dec (Epoch 2000.0)	+42:33		
UM I	UM II	88	30
Sky Atlas 2000	4, 9		
Season	Autumn		
Remarks***	!! Blue Snowball; annular at high power		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

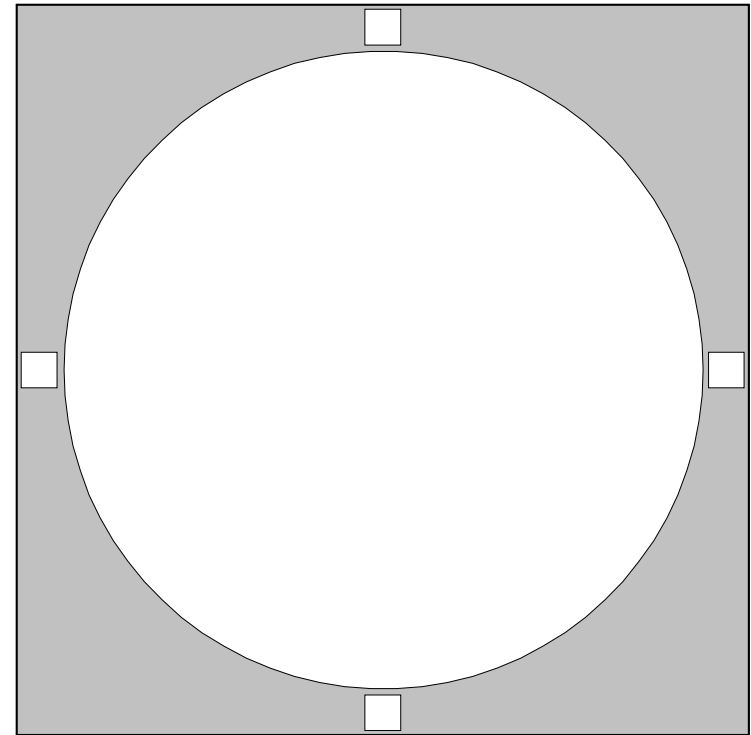
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 12

NGC Number	891		
Constellation	Andromeda		
Type	G-SAb		
Visual Magnitude**	9.9		
Size	Distance	13.0' x 3.0'	30 million ly
RA (Epoch 2000.0)	02:22.6		
Dec (Epoch 2000.0)	+42:21		
UM I	UM II	62	43, 44
Sky Atlas 2000	1, 4		
Season	Autumn		
Remarks***	!! faint, classic edge-on with dust lane		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

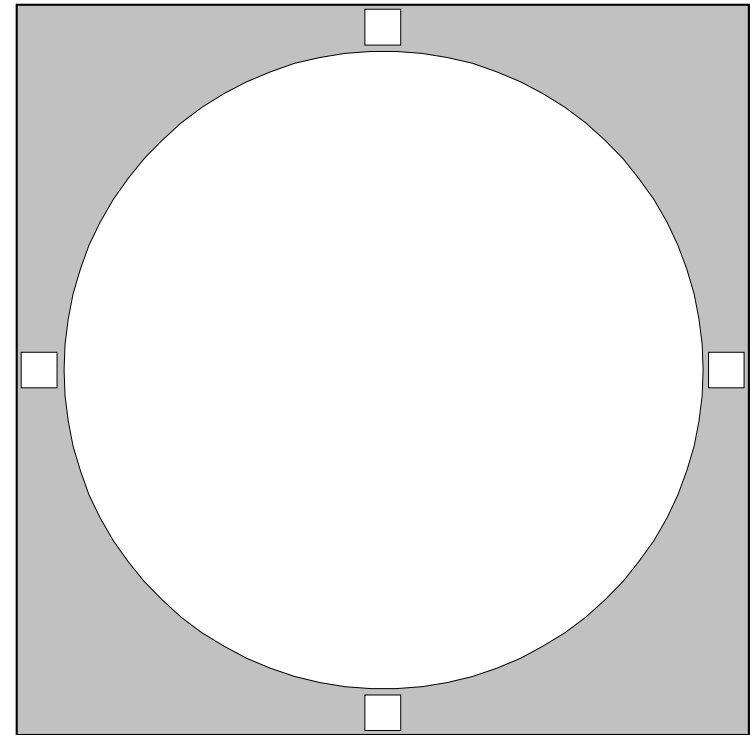
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 13

NGC Number	253		
Constellation	Sculptor		
Type	G-SABc		
Visual Magnitude**	7.6		
Size	Distance	30.0' x 7.0'	11 million ly
RA (Epoch 2000.0)	00:47.6		
Dec (Epoch 2000.0)	-25:17		
UM I	UM II	306, 307	158
Sky Atlas 2000	18		
Season	Autumn		
Remarks***	!! very large and bright but at low altitude		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

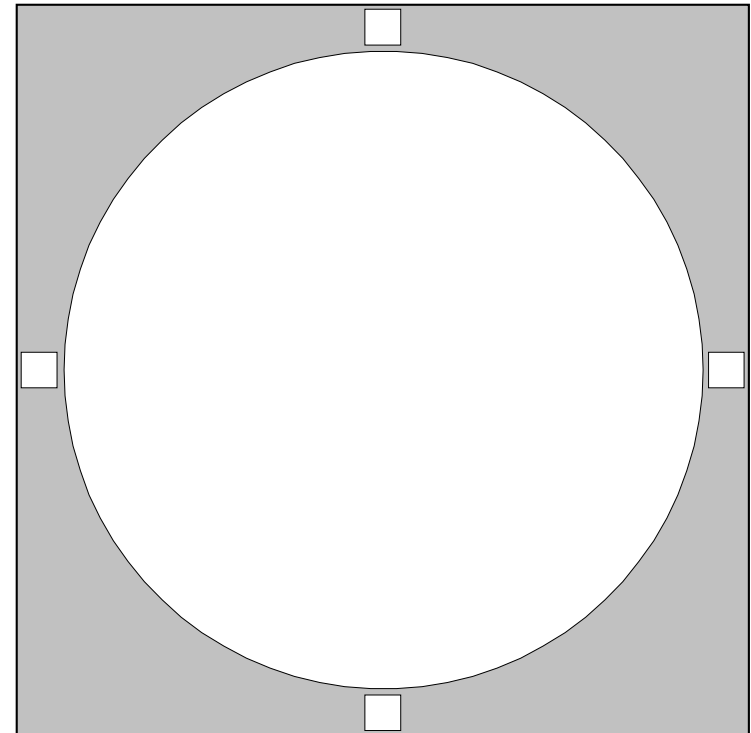


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 14

NGC Number	772		
Constellation	Aries		
Type	G-SAb		
Visual Magnitude**	10.3		
Size	Distance	7.3' x 4.6' 111 million ly	
RA (Epoch 2000.0)	01:59.3		
Dec (Epoch 2000.0)	+19:01		
UM I	UM II	129	79, 80
Sky Atlas 2000	4, 10		
Season	Autumn		
Remarks***	diffuse spiral galaxy		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

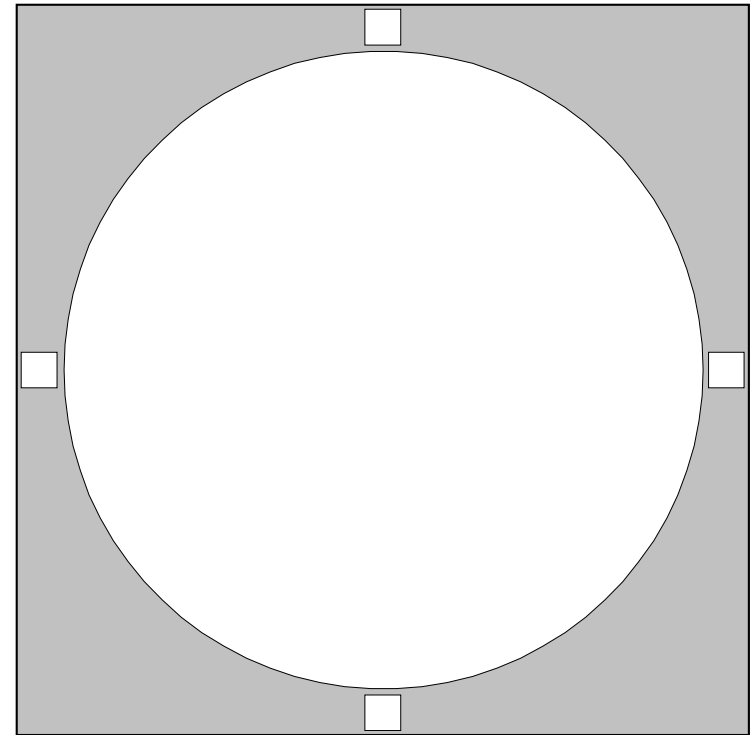
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 15

NGC Number	246		
Constellation	Cetus		
Type	PN		
Visual Magnitude**	10.9		
Size	Distance	3.0' 45"	1,300 ly
RA (Epoch 2000.0)	00:47.0		
Dec (Epoch 2000.0)	-11:53		
UM I	UM II	261, 262	140
Sky Atlas 2000	10, 17		
Season	Autumn		
Remarks***	large and faint with mottled structure		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

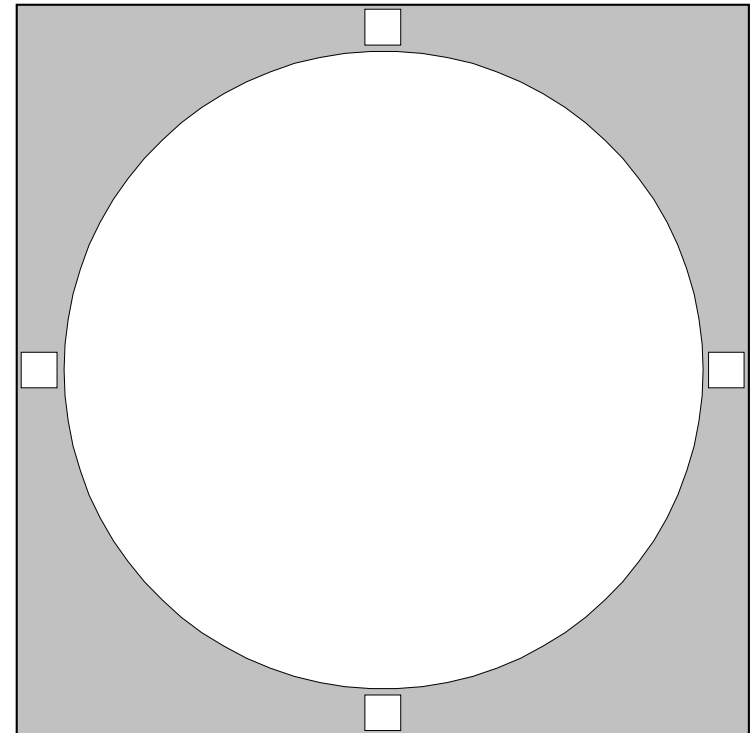


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 16

NGC Number	936		
Constellation	Cetus		
Type	G-SB		
Visual Magnitude**	10.2		
Size	Distance	5.7' x 4.6' 59 million ly	
RA (Epoch 2000.0)	02:27.6		
Dec (Epoch 2000.0)	-01:09		
UM I	UM II	219, 220	119
Sky Atlas 2000	10		
Season	Autumn		
Remarks***	near M77; NGC 941 in the same field		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

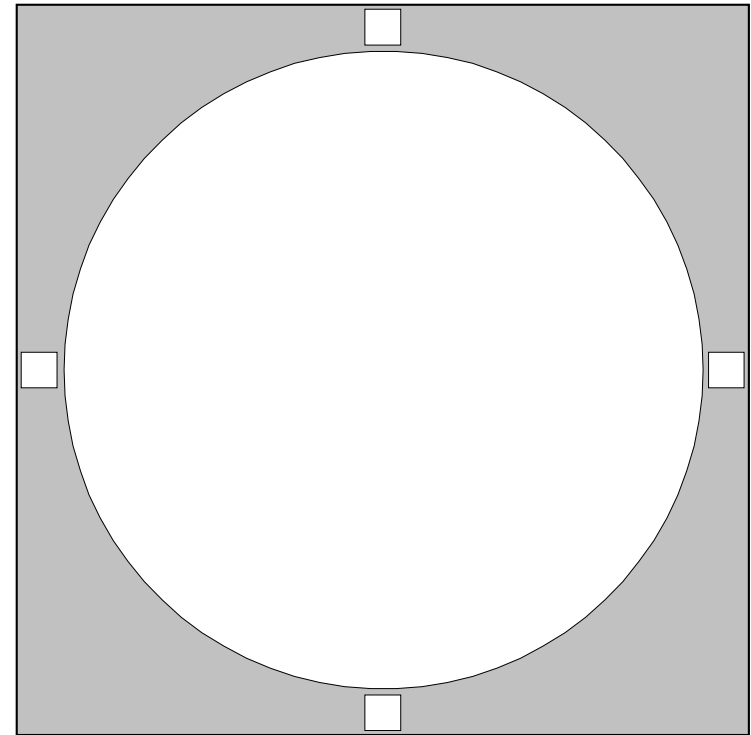
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 17
Double Cluster

NGC Number		869/884	
Constellation		Perseus	
Type		OC	
Visual Magnitude**		5.3/6.1	
Size	Distance	30.0' / 30.0'	7,200/7500 ly
RA (Epoch 2000.0)		02:21.0	
Dec (Epoch 2000.0)		+57:08	
UM I	UM II	37	29
Sky Atlas 2000		1	
Season		Autumn	
Remarks***		!! Double Cluster; 315*; use low power.	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

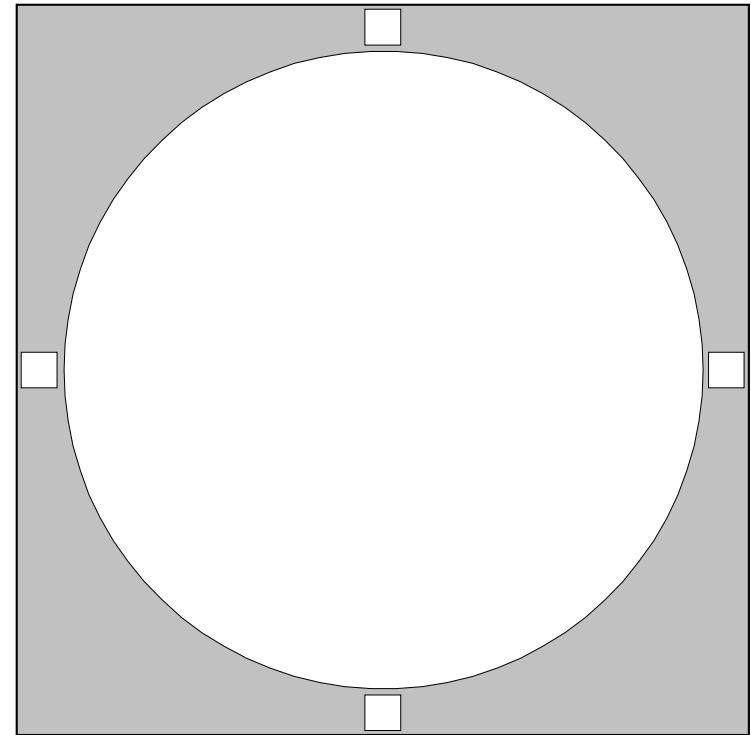


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 18

NGC Number		1023	
Constellation		Perseus	
Type		G-SB(rs)0-	
Visual Magnitude**		9.3	
Size	Distance	8.6' x 4.2'	34 million ly
RA (Epoch 2000.0)		02:40.4	
Dec (Epoch 2000.0)		+39:04	
UM I	UM II	62, 93	61
Sky Atlas 2000		1, 4	
Season		Autumn	
Remarks***		bright lens-shaped galaxy near M34	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

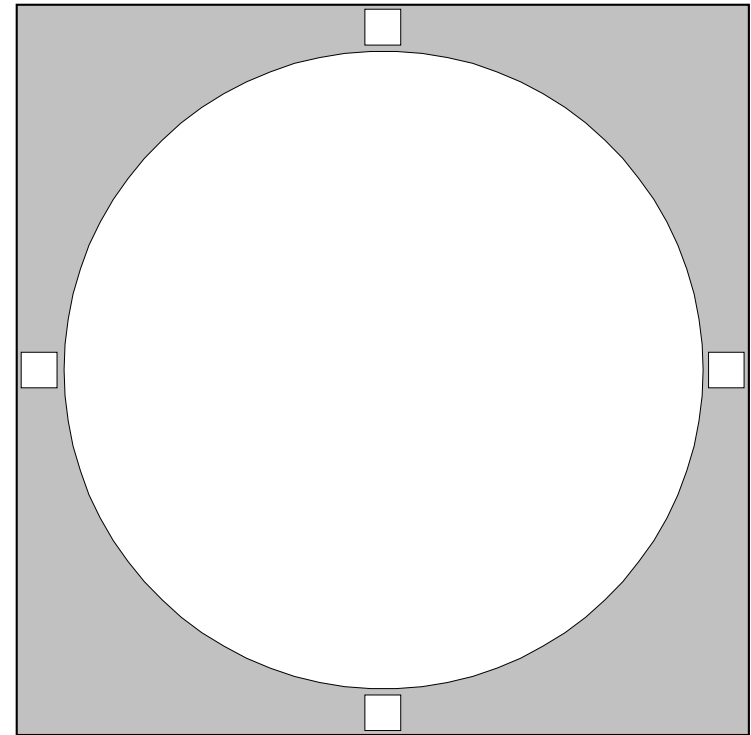
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 19

NGC Number	1491		
Constellation	Perseus		
Type	EN		
Visual Magnitude**	na		
Size	Distance	25.0' x 25.0'	2,500 ly
RA (Epoch 2000.0)	04:03.4		
Dec (Epoch 2000.0)	+51:19		
UM I	UM II	39	28, 42, 43
Sky Atlas 2000	1, 4, 5		
Season	Autumn		
Remarks***	visually small and faint emission nebula		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

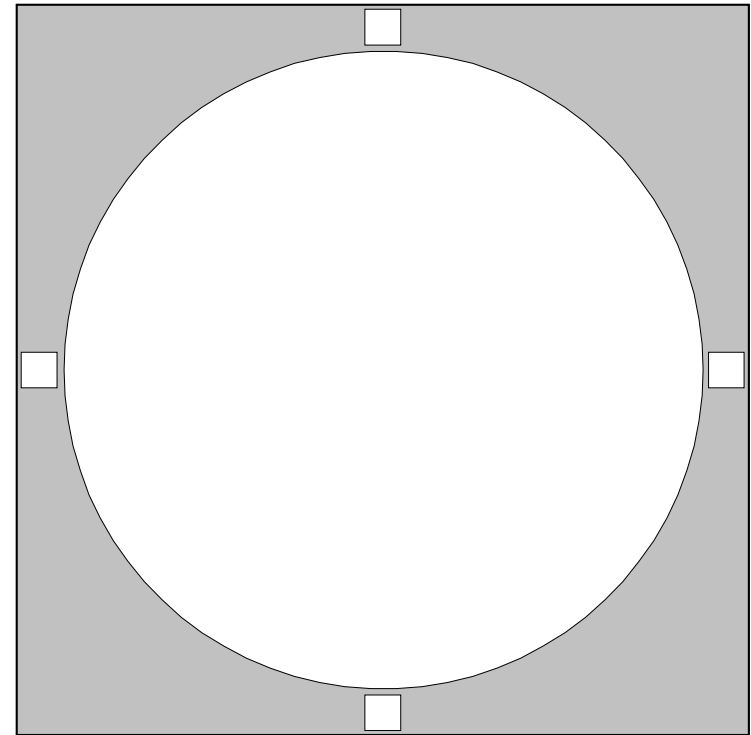


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 20

NGC Number	1501		
Constellation	Camelopardalis		
Type	PN		
Visual Magnitude**	11.5		
Size	Distance	52"	3,900 ly
RA (Epoch 2000.0)	04:07.0		
Dec (Epoch 2000.0)	+60:55		
UM I	UM II	18, 39	28
Sky Atlas 2000	1		
Season	Autumn		
Remarks***	faint; dark center; look for NGC 1502		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

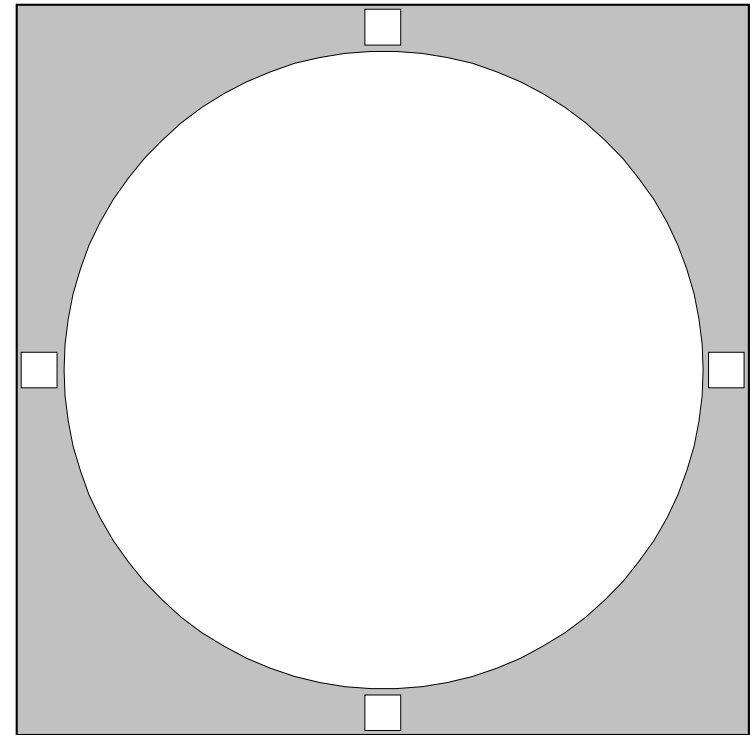


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 21

NGC Number	1232		
Constellation	Eridanus		
Type	G-SABc		
Visual Magnitude**	10.0		
Size	Distance	6.8'x5.6'	72 million ly
RA (Epoch 2000.0)	03:09.8		
Dec (Epoch 2000.0)	-20:35		
UM I	UM II	311	157
Sky Atlas 2000	18		
Season	Autumn		
Remarks***	face-on spiral; look for NGC 1300 nearby		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

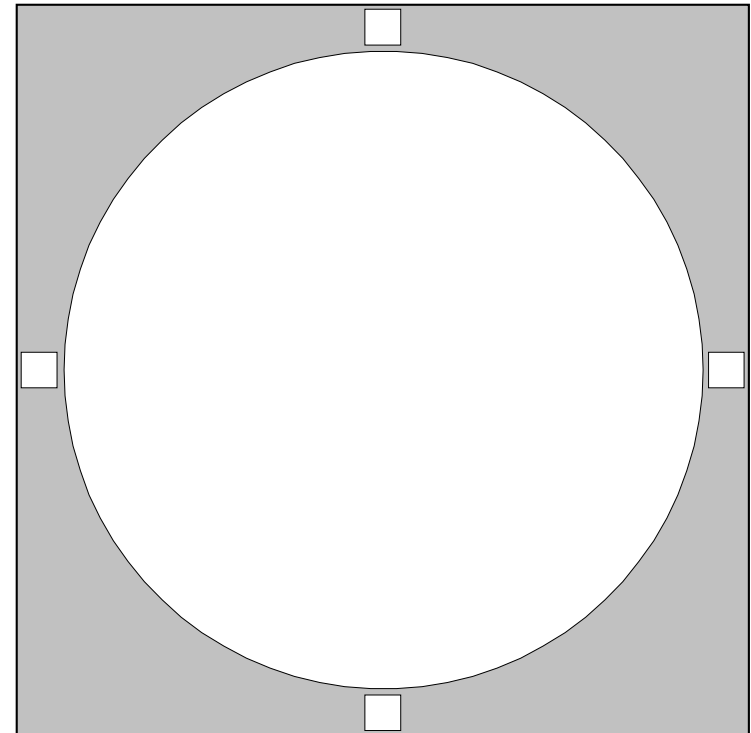
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 22

NGC Number	1535		
Constellation	Eridanus		
Type	PN		
Visual Magnitude**	9.6p		
Size	Distance	>18"	5,000 ly
RA (Epoch 2000.0)	04:14.2		
Dec (Epoch 2000.0)	-12:44		
UM I	UM II	268	137, 138
Sky Atlas 2000	11		
Season	Autumn		
Remarks***	bright planetary with blue-grey disk		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

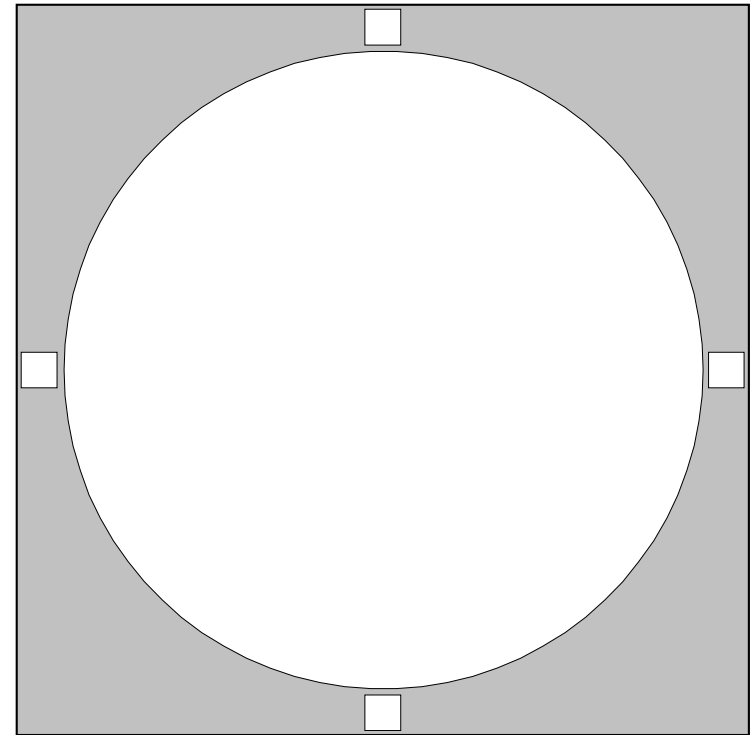
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 23

NGC Number	1514		
Constellation	Taurus		
Type	PN		
Visual Magnitude**	10.9		
Size	Distance	>1' 54"	2,000 ly
RA (Epoch 2000.0)	04:09.2		
Dec (Epoch 2000.0)	+30:47		
UM I	UM II	95	60
Sky Atlas 2000	4, 5		
Season	Winter		
Remarks***	faint glow around 9.4 mag central star		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

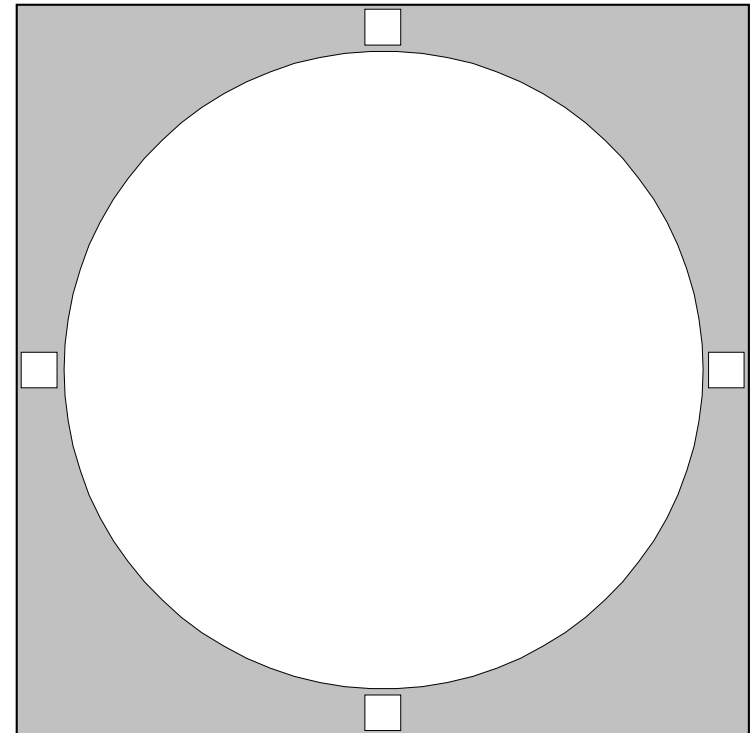


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 24

NGC Number	1931		
Constellation	Auriga		
Type	E/RN		
Visual Magnitude**	11.3		
Size	Distance	4.0'x4.0'	4,000 ly
RA (Epoch 2000.0)	05:31.4		
Dec (Epoch 2000.0)	+34:15		
UM I	UM II	97	59
Sky Atlas 2000	5		
Season	Winter		
Remarks***	haze surrounding 4 close stars		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

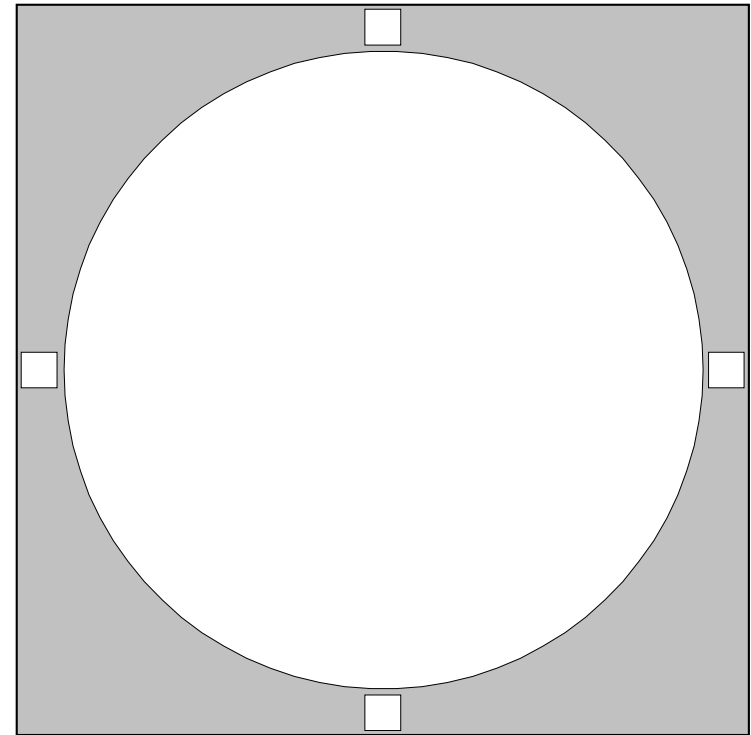


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 25

NGC Number	1788		
Constellation	Orion		
Type	RN		
Visual Magnitude**	~9.0		
Size	Distance	5.0' x 3.0'	n/a
RA (Epoch 2000.0)	05:06.9		
Dec (Epoch 2000.0)	-03:21		
UM I	UM II	224, 225	117
Sky Atlas 2000	11		
Season	Winter		
Remarks***	fairly bright but diffuse reflection nebula		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

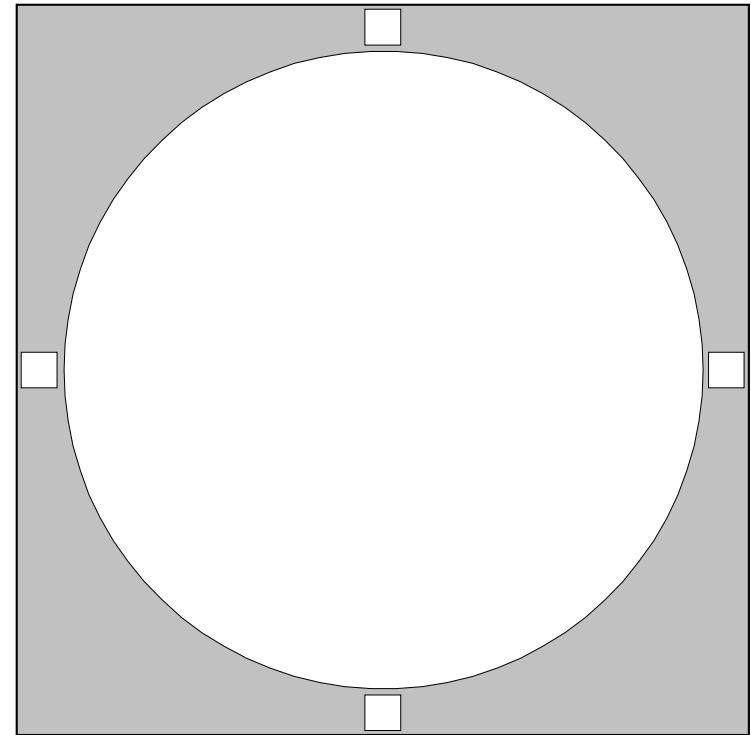


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 26

NGC Number	1973+		
Constellation	Orion		
Type	E/RN		
Visual Magnitude**	na		
Size	Distance	~20.0' x ~10.0'	1,500 ly
RA (Epoch 2000.0)	05:35.1		
Dec (Epoch 2000.0)	-04:44		
UM I	UM II	225, 226	116
Sky Atlas 2000	11		
Season	Winter		
Remarks***	NGC1973-5-7 Just north of M42 and M43		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

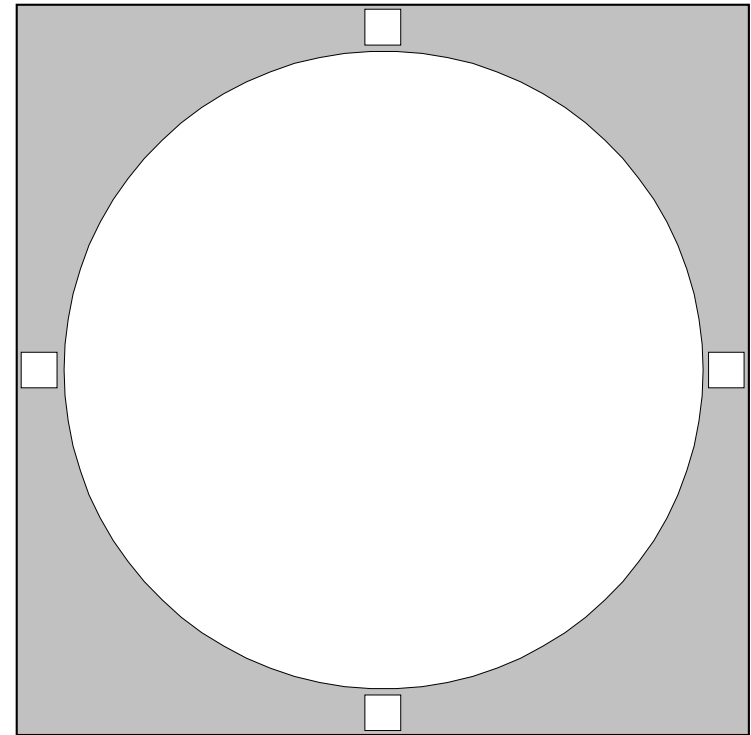
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 27

NGC Number	2022		
Constellation	Orion		
Type	PN		
Visual Magnitude**	11.9		
Size	Distance	>18"	6,900 ly
RA (Epoch 2000.0)	05:42.1		
Dec (Epoch 2000.0)	+09:05		
UM I	UM II	181	96
Sky Atlas 2000	11		
Season	Winter		
Remarks***	small, faint & distinct with annular form		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

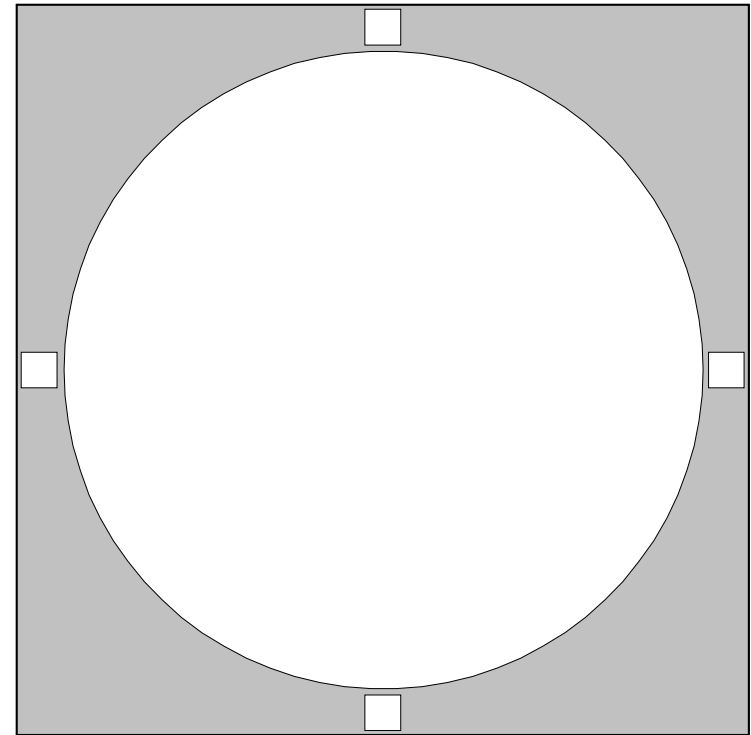
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 28

NGC Number	2024		
Constellation	Orion		
Type	EN		
Visual Magnitude**	na		
Size	Distance	30.0' x 30.0'	1,500 ly
RA (Epoch 2000.0)	05:41.9		
Dec (Epoch 2000.0)	-01:51		
UM I	UM II	225, 226	116
Sky Atlas 2000	11		
Season	Winter		
Remarks***	bright but masked by glow from Zeta Orion		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

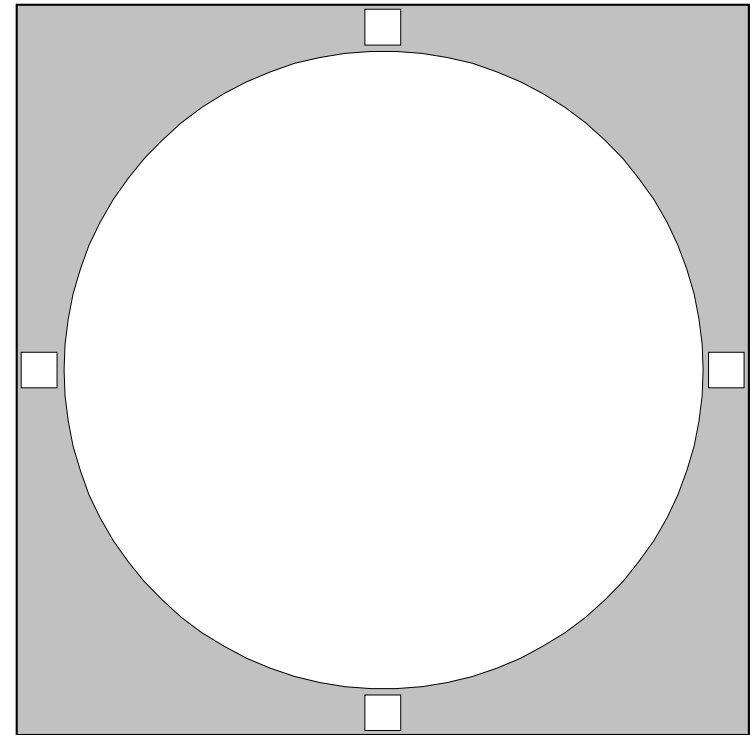
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 29

NGC Number	2194		
Constellation	Orion		
Type	OC		
Visual Magnitude**	8.5		
Size	Distance	8.0'	5,200 ly
RA (Epoch 2000.0)	06:13.8		
Dec (Epoch 2000.0)	+12:48		
UM I	UM II	182	96
Sky Atlas 2000	11, 12		
Season	Winter		
Remarks***	80*, fairly rich; look for 2169 nearby		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

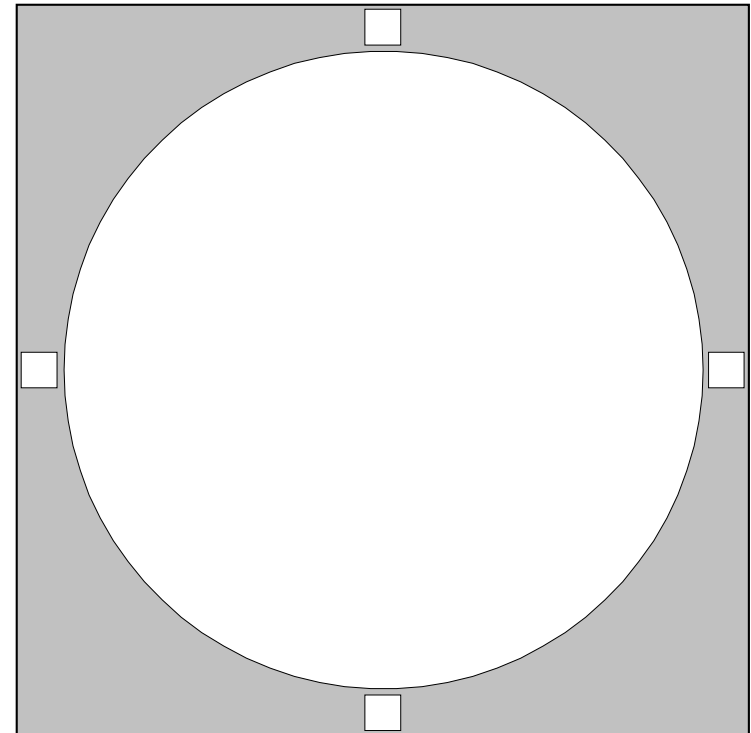


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 30

NGC Number	2371/2		
Constellation	Gemini		
Type	PN		
Visual Magnitude**	11.3		
Size	Distance	>55"	3,900 ly
RA (Epoch 2000.0)	07:25.6		
Dec (Epoch 2000.0)	+29:29		
UM I	UM II	100	57, 75
Sky Atlas 2000	5		
Season	Winter		
Remarks***	faint double-lobed planetary; use filter		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

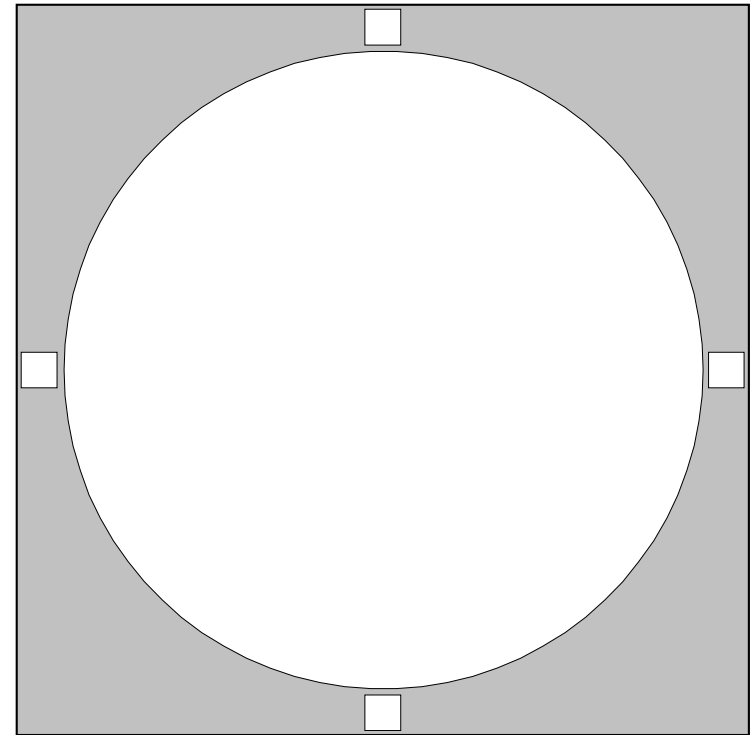


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 31
Clown Face or Eskimo Nebula

NGC Number	2392		
Constellation	Gemini		
Type	PN		
Visual Magnitude**	9.2		
Size	Distance	>15"	2,900 ly
RA (Epoch 2000.0)	07:29.2		
Dec (Epoch 2000.0)	+20:55		
UM I	UM II	139	75
Sky Atlas 2000	5		
Season	Winter		
Remarks***	!! Clown Face or Eskimo Nebula		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

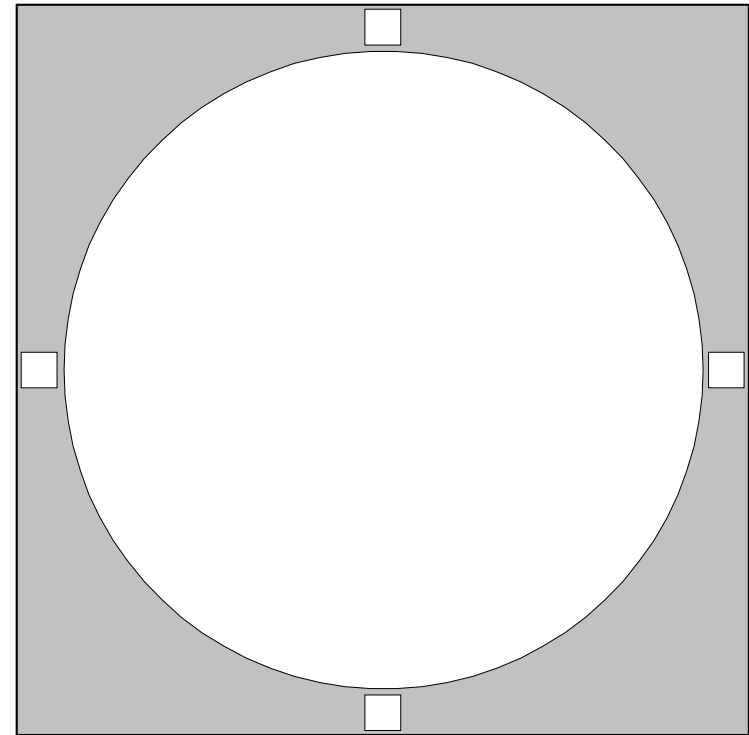
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

Rosette Nebula

NGC Number	2237+		
Constellation	Monoceros		
Type	EN		
Visual Magnitude**	na		
Size	Distance	80.0' x 60.0'	5,000 ly
RA (Epoch 2000.0)	06:32.3		
Dec (Epoch 2000.0)	+05:03		
UM I	UM II	182, 227	95, 96, 115, 116
Sky Atlas 2000	11, 12		
Season	Winter		
Remarks***	!! Rosette Nebula; very large; use filter		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

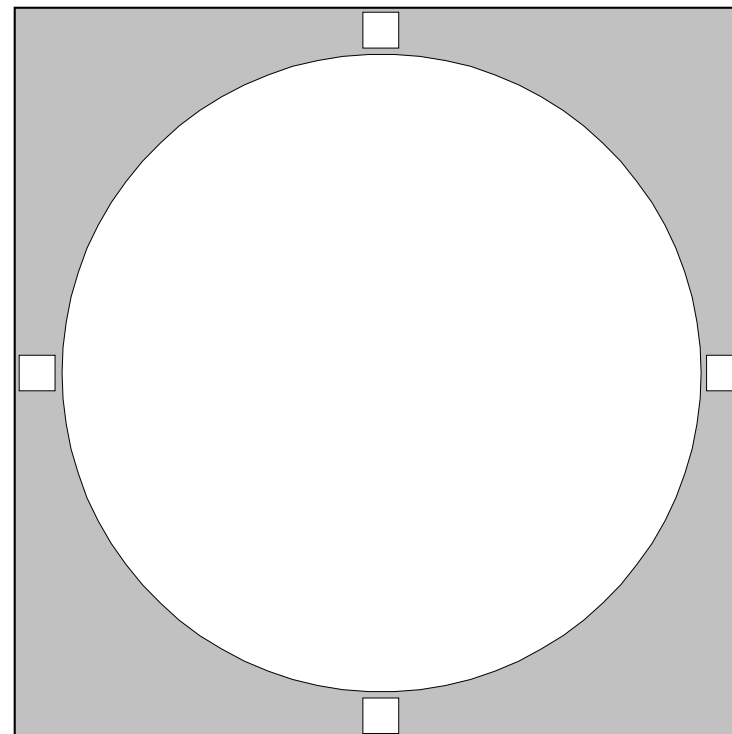
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 33
Hubble's Variable Nebula

NGC Number		2261	
Constellation		Monoceros	
Type		E/RN	
Visual Magnitude**		variable	
Size	Distance	3.1' x 1.5'	3,000 ly
RA (Epoch 2000.0)		06:39.2	
Dec (Epoch 2000.0)		+08:44	
UM I	UM II	182, 183	95, 96
Sky Atlas 2000		11, 12	
Season		Winter	
Remarks***		Hubble's Variable Nebula; comet-shaped	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

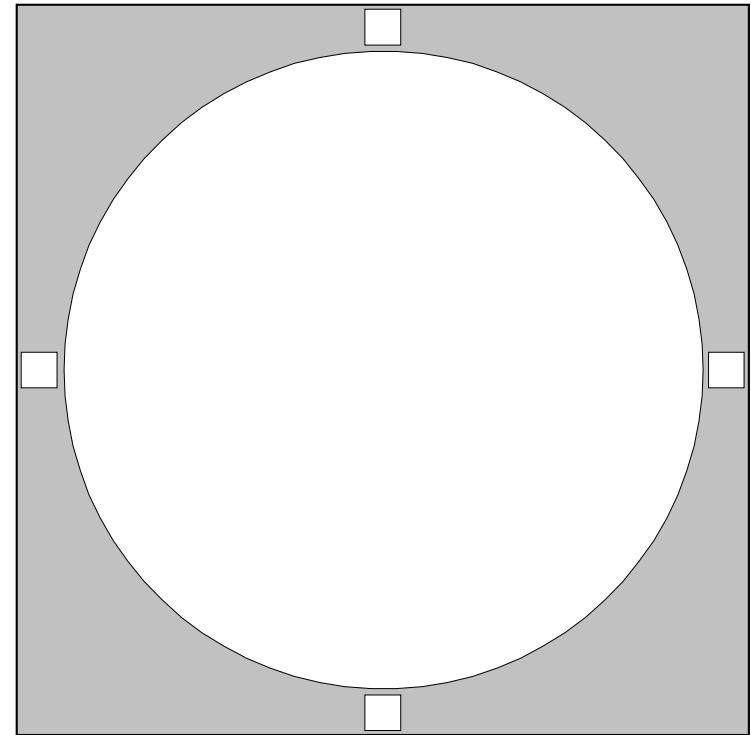


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 34

NGC Number	2359		
Constellation	Canis Major		
Type	EN		
Visual Magnitude**	na		
Size	Distance	9.0' x 6.0'	4,000 ly
RA (Epoch 2000.0)	07:18.6		
Dec (Epoch 2000.0)	-13:12		
UM I	UM II	274	135
Sky Atlas 2000	12		
Season	Winter		
Remarks***	bright; look for NGC 2360 & 2362 nearby		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

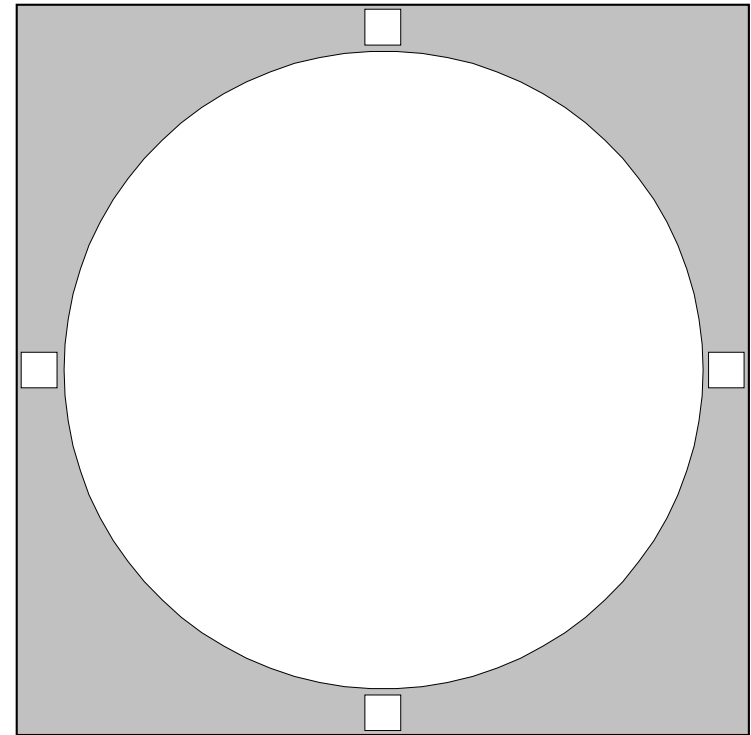


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 35

NGC Number	2440		
Constellation	Puppis		
Type	PN		
Visual Magnitude**	9.4		
Size	Distance	>14"	3,600 ly
RA (Epoch 2000.0)	07:41.9		
Dec (Epoch 2000.0)	-18:13		
UM I	UM II	319, 320	153
Sky Atlas 2000	12, 19		
Season	Winter		
Remarks***	almost star-like; irregular at high power		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

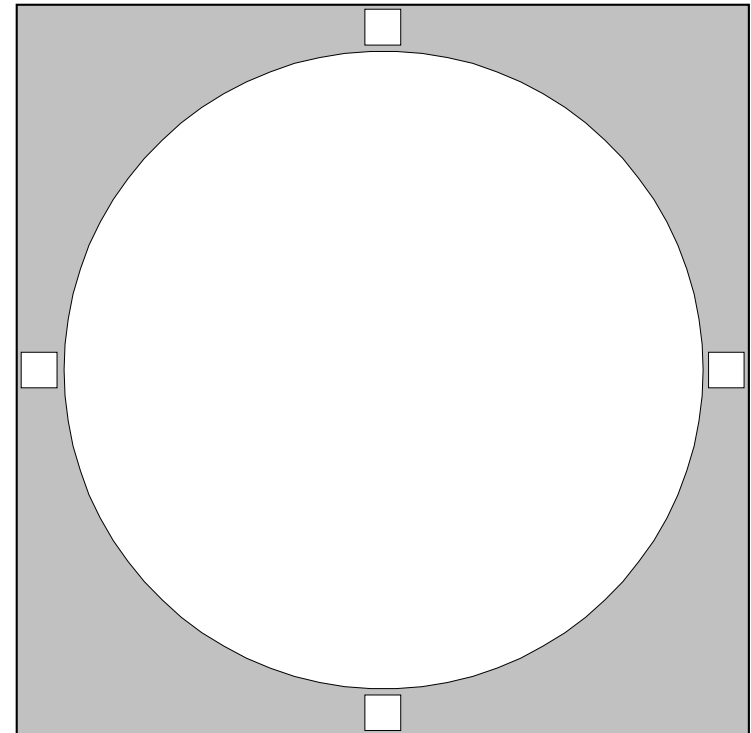
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 36

NGC Number	2539		
Constellation	Puppis		
Type	OC		
Visual Magnitude**	6.5		
Size	Distance	21.0'	4,200 ly
RA (Epoch 2000.0)	08:10.7		
Dec (Epoch 2000.0)	-12:50		
UM I	UM II	275, 276	134
Sky Atlas 2000	12, 20		
Season	Winter		
Remarks***	50*; rich cluster; near M46 and M47		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

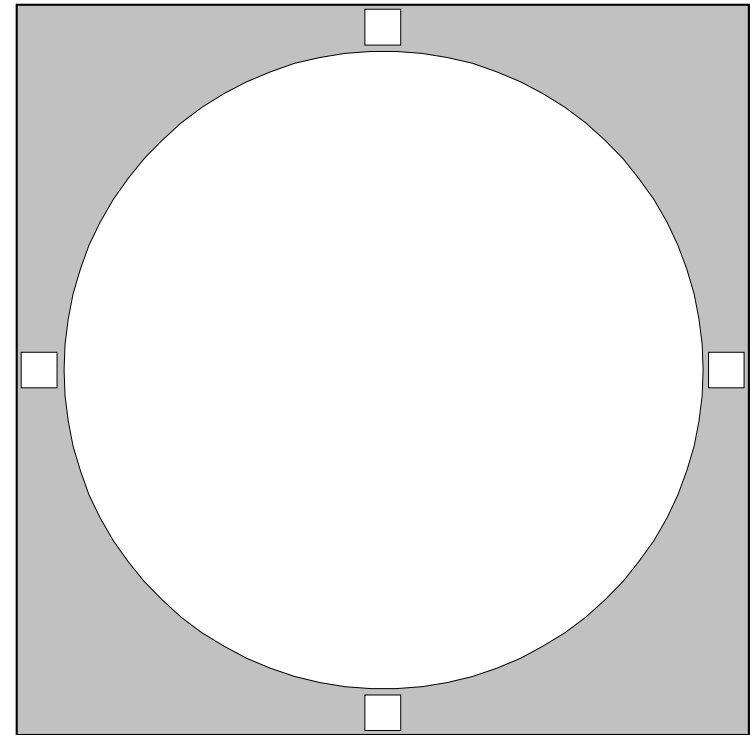


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 37

NGC Number	2403		
Constellation	Camelopardalis		
Type	G-SABc		
Visual Magnitude**	8.5		
Size	Distance	26.0' x 13.0'	11 million ly
RA (Epoch 2000.0)	07:36.9		
Dec (Epoch 2000.0)	+65:36		
UM I	UM II	8	15
Sky Atlas 2000	1		
Season	Winter		
Remarks***	!! very large & bright; visible in binoculars		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

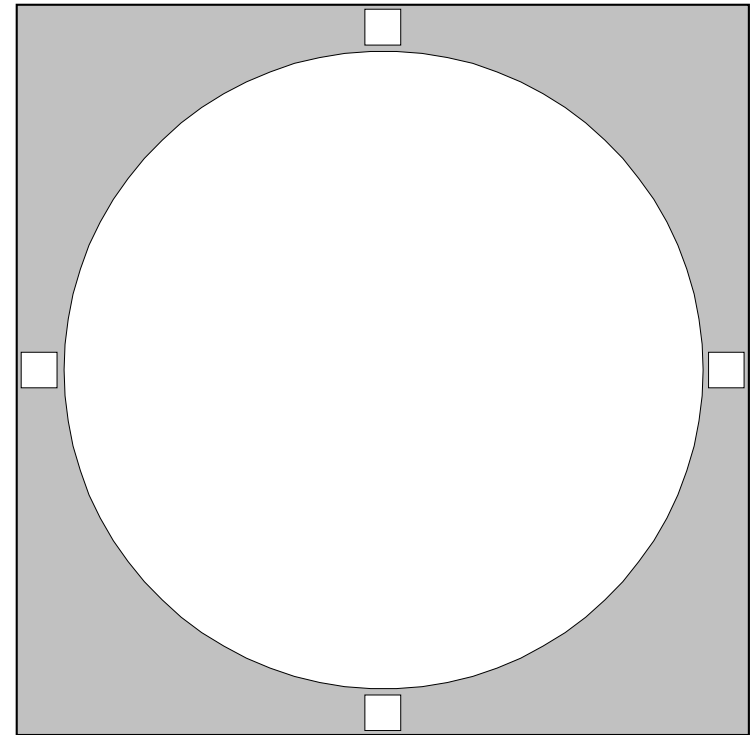
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 38

NGC Number	2655		
Constellation	Camelopardalis		
Type	G-SAB0		
Visual Magnitude**	10.1		
Size	Distance	6.0' x 5.3'	71 million ly
RA (Epoch 2000.0)	08:55.6		
Dec (Epoch 2000.0)	+78:13		
UM I	UM II	146, 191	6
Sky Atlas 2000	1, 2		
Season	Winter		
Remarks***	bright ellipse with star-like nucleus		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

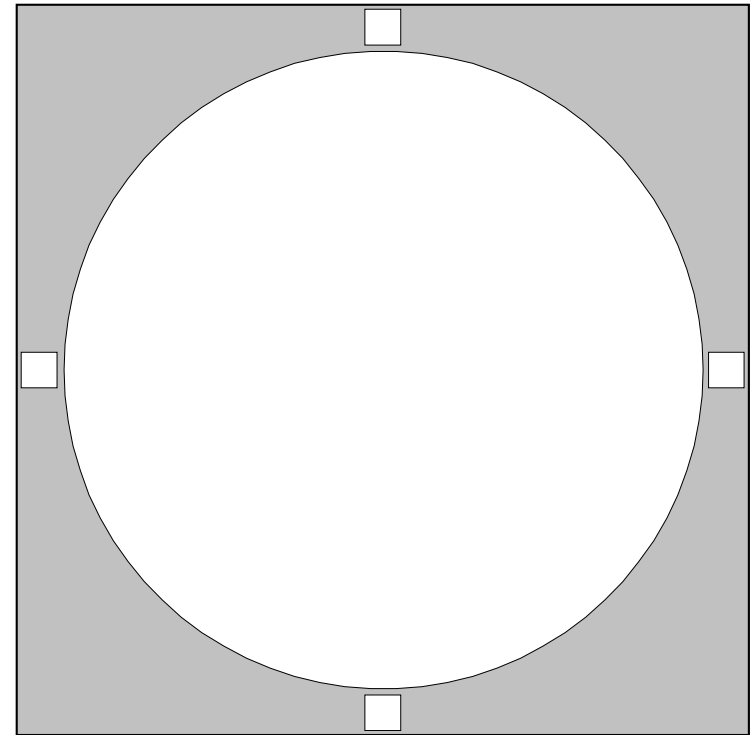


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 39

NGC Number	2683		
Constellation	Lynx		
Type	G-SAb		
Visual Magnitude**	9.8		
Size	Distance	8.4' x 2.4'	11 million ly
RA (Epoch 2000.0)	08:52.7		
Dec (Epoch 2000.0)	+33:25		
UM I	UM II	102	56
Sky Atlas 2000	6		
Season	Spring		
Remarks***	nearly edge-on spiral; very bright		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

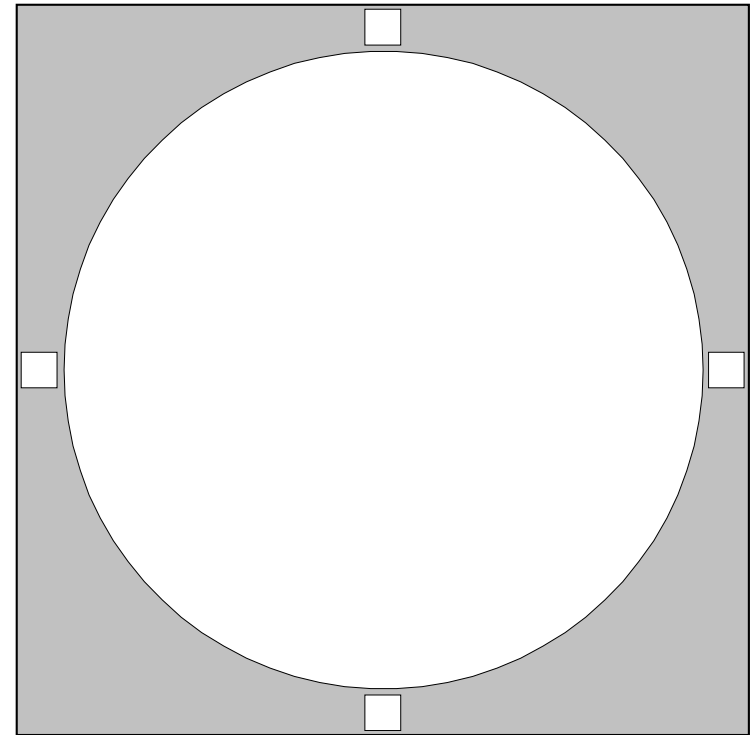
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 40

NGC Number	2841		
Constellation	Ursa Major		
Type	G-SAb		
Visual Magnitude**	9.2		
Size	Distance	6.8' x 3.3'	30 million ly
RA (Epoch 2000.0)	09:22.0		
Dec (Epoch 2000.0)	+50:58		
UM I	UM II	44, 71	39
Sky Atlas 2000	2, 6		
Season	Spring		
Remarks***	!! classic elongated spiral; very bright		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

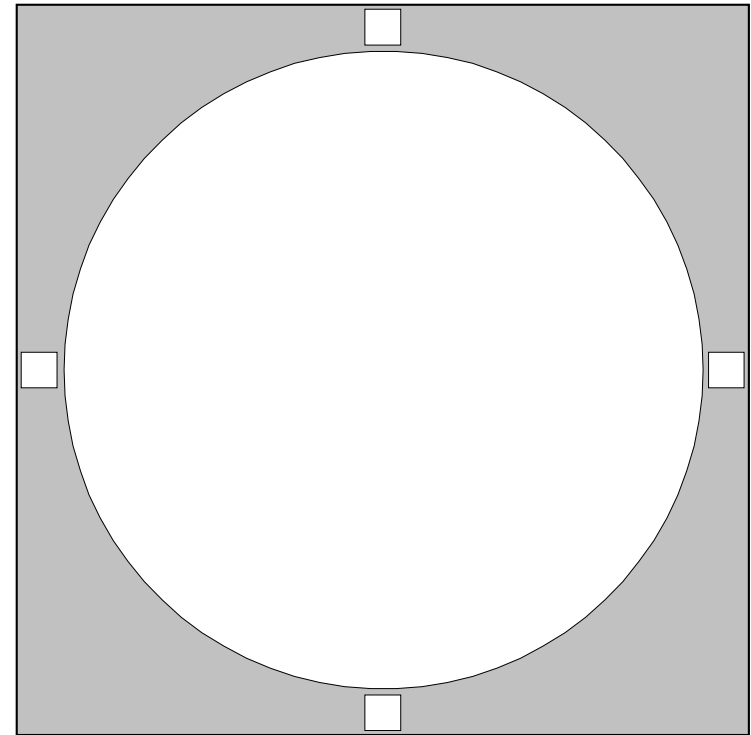


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 41

NGC Number	3079		
Constellation	Ursa Major		
Type	G-SBc		
Visual Magnitude**	10.9		
Size	Distance	8.0' x 1.5'	53 million ly
RA (Epoch 2000.0)	10:02.2		
Dec (Epoch 2000.0)	+55:41		
UM I	UM II	45	25
Sky Atlas 2000	2, 6		
Season	Spring		
Remarks***	edge-on spiral; NGC 2950 nearby		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

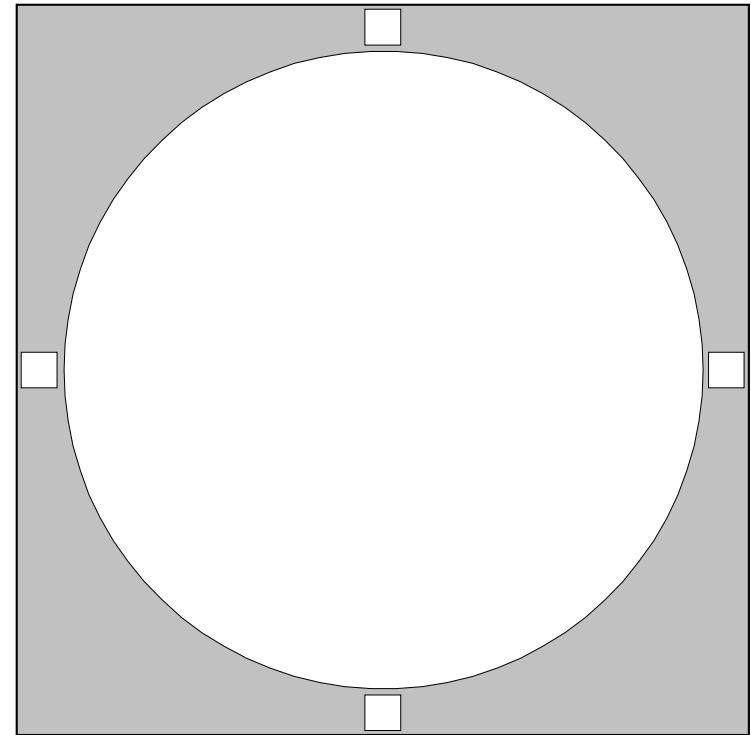


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 42

NGC Number	3184		
Constellation	Ursa Major		
Type	G-SABc		
Visual Magnitude**	9.8		
Size	Distance	7.8' x 7.2'	39 million ly
RA (Epoch 2000.0)	10:18.3		
Dec (Epoch 2000.0)	+41:25		
UM I	UM II	72	39
Sky Atlas 2000	2, 6		
Season	Spring		
Remarks***	large, diffuse face-on spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

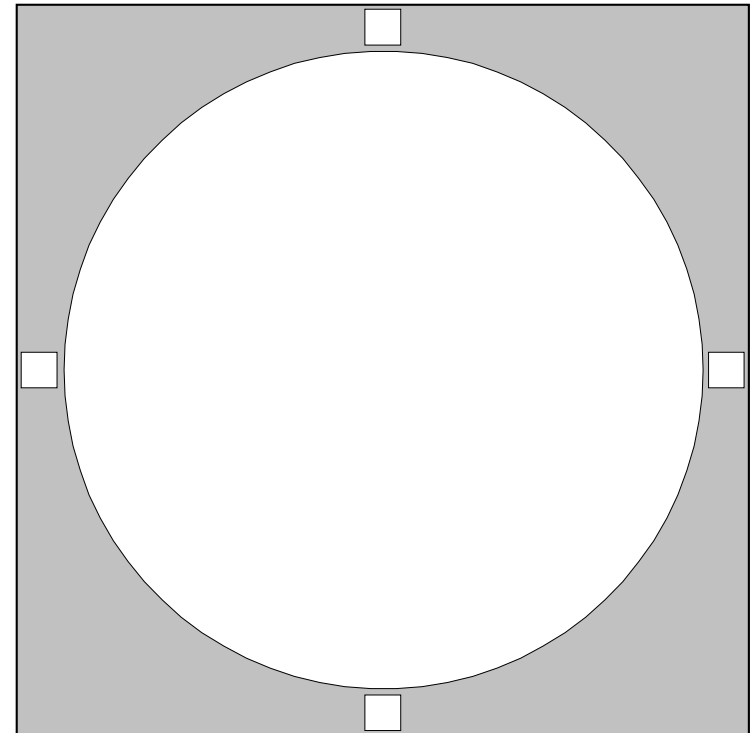


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 43

NGC Number	3877		
Constellation	Ursa Major		
Type	G-SAc		
Visual Magnitude**	11.0		
Size	Distance	5.1' x 1.1'	39 million ly
RA (Epoch 2000.0)	11:46.1		
Dec (Epoch 2000.0)	+47:30		
UM I	UM II	74	38
Sky Atlas 2000	2, 6, 7		
Season	Spring		
Remarks***	edge-on; same field as chi UMa		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

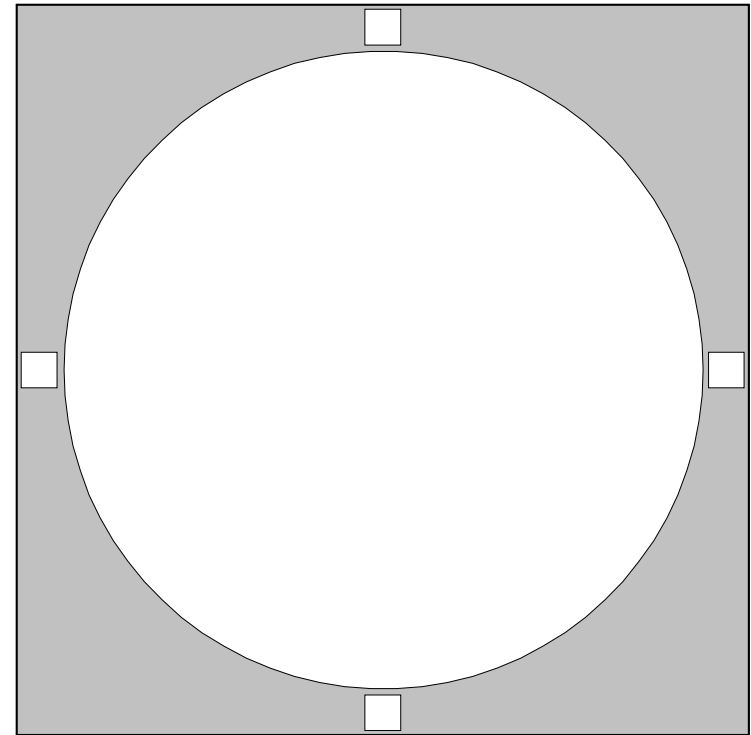


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 44

NGC Number	3941		
Constellation	Ursa Major		
Type	G-SB0		
Visual Magnitude**	10.3		
Size	Distance	3.7' x 2.6'	42 million ly
RA (Epoch 2000.0)	11:52.9		
Dec (Epoch 2000.0)	+36:59		
UM I	UM II	107	54
Sky Atlas 2000	6, 7		
Season	Spring		
Remarks***	small, bright and elliptical		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

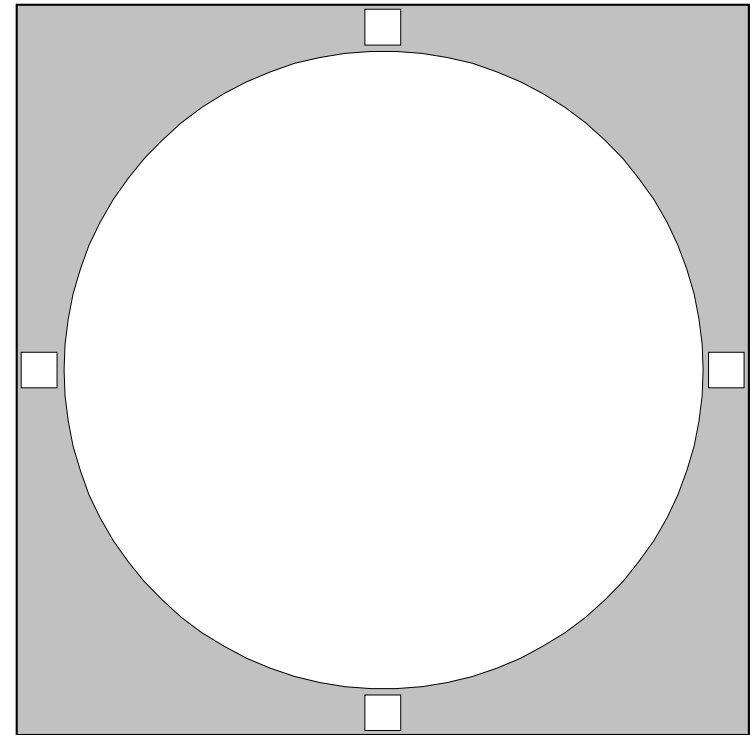


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 45

NGC Number	4026		
Constellation	Ursa Major		
Type	G-S0		
Visual Magnitude**	10.8		
Size	Distance	4.6' x 1.2'	42 million ly
RA (Epoch 2000.0)	11:59.4		
Dec (Epoch 2000.0)	+50:58		
UM I	UM II	47, 74	37, 38
Sky Atlas 2000	2, 6, 7		
Season	Spring		
Remarks***	lens-shaped edge-on near gamma UMa		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

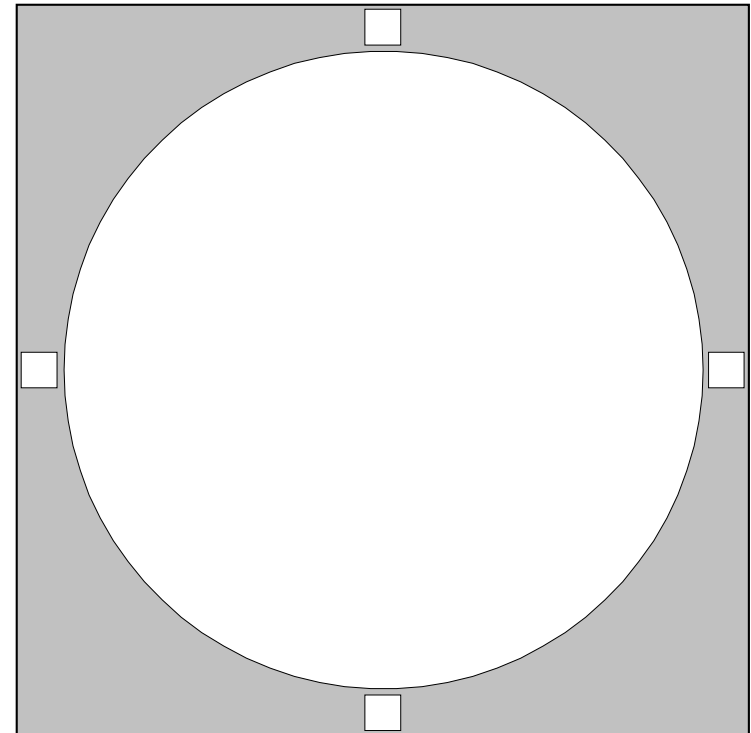


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 46

NGC Number	4088		
Constellation	Ursa Major		
Type	G-SABbc		
Visual Magnitude**	10.6		
Size	Distance	5.4' x 2.1'	36 million ly
RA (Epoch 2000.0)	12:05.6		
Dec (Epoch 2000.0)	+50:33		
UM I	UM II	47, 74	37
Sky Atlas 2000	2, 6, 7		
Season	Spring		
Remarks***	nearly edge-on; NGC 4085 in same field		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

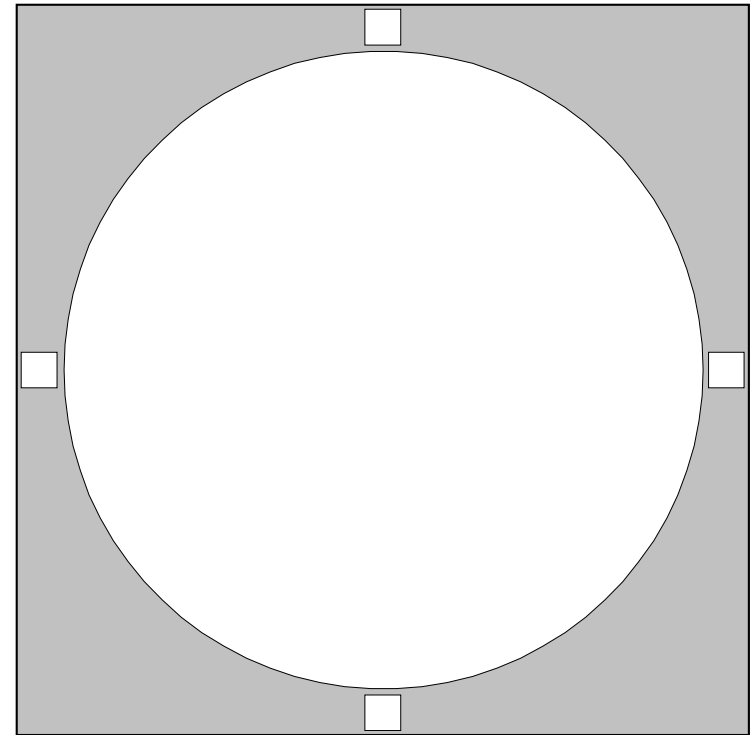


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 47

NGC Number		4157	
Constellation		Ursa Major	
Type		G-SABb	
Visual Magnitude**		11.3	
Size	Distance	7.1' x 1.2'	39 million ly
RA (Epoch 2000.0)		12:11.1	
Dec (Epoch 2000.0)		+50:29	
UM I	UM II	47, 74	37
Sky Atlas 2000		2, 6, 7	
Season		Spring	
Remarks***		a thin sliver; NGCs 4026 & 4088 nearby	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

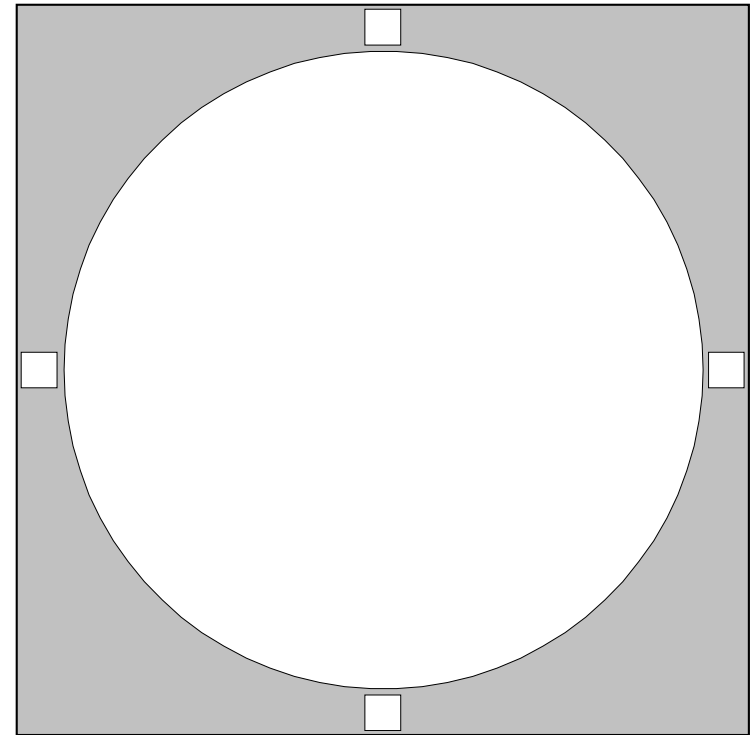


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 48

NGC Number	4605		
Constellation	Ursa Major		
Type	G-SBcp		
Visual Magnitude**	10.3		
Size	Distance	6.4' x 2.3'	12 million ly
RA (Epoch 2000.0)	12:40.0		
Dec (Epoch 2000.0)	+61:37		
UM I	UM II	25, 26, 48	24
Sky Atlas 2000	2		
Season	Spring		
Remarks***	bright, distinct edge-on spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

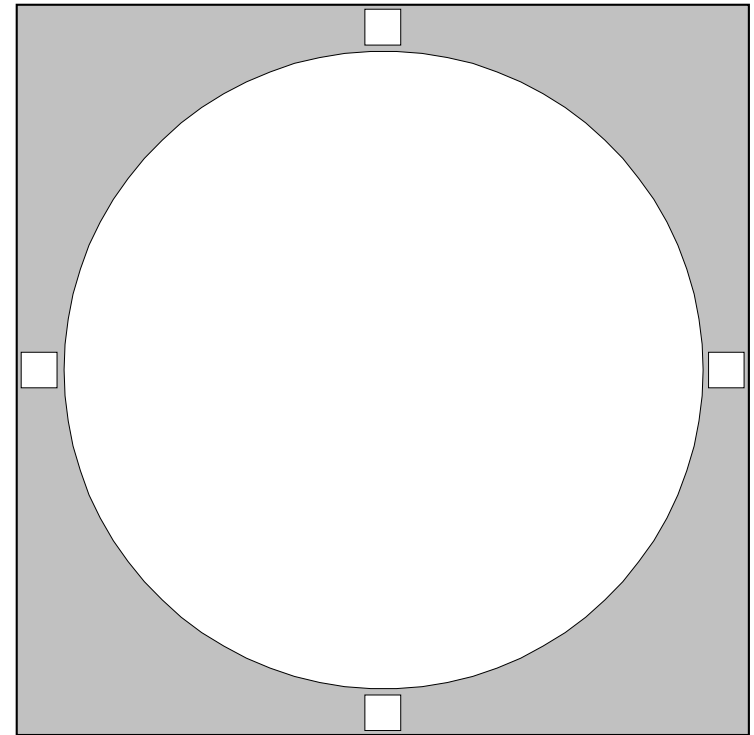


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

Spindle Galaxy

NGC Number	3115		
Constellation	Sextans		
Type	G-S0-		
Visual Magnitude**	8.9		
Size	Distance	8.1' x 2.8'	21 million ly
RA (Epoch 2000.0)	10:05.2		
Dec (Epoch 2000.0)	-07:43		
UM I	UM II	279	133
Sky Atlas 2000	13		
Season	Spring		
Remarks***	Spindle Galaxy; bright and elongated		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

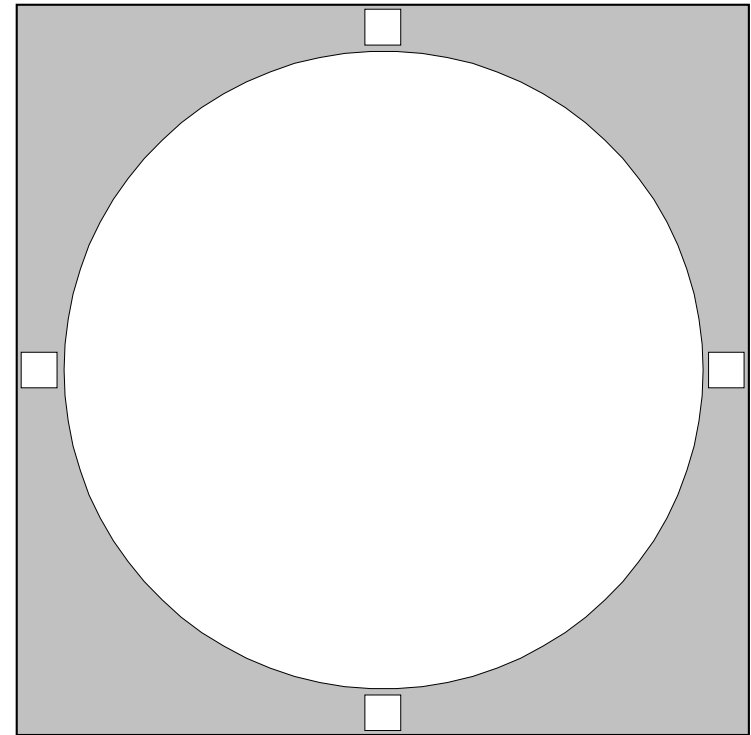
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

Ghost of Jupiter

NGC Number	3242		
Constellation	Hydra		
Type	PN		
Visual Magnitude**	7.8		
Size	Distance	>16"	2,600 ly
RA (Epoch 2000.0)	10:24.8		
Dec (Epoch 2000.0)	-18:38		
UM I	UM II	324, 325	151
Sky Atlas 2000	13, 20		
Season	Spring		
Remarks***	!! Ghost of Jupiter; small but bright		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

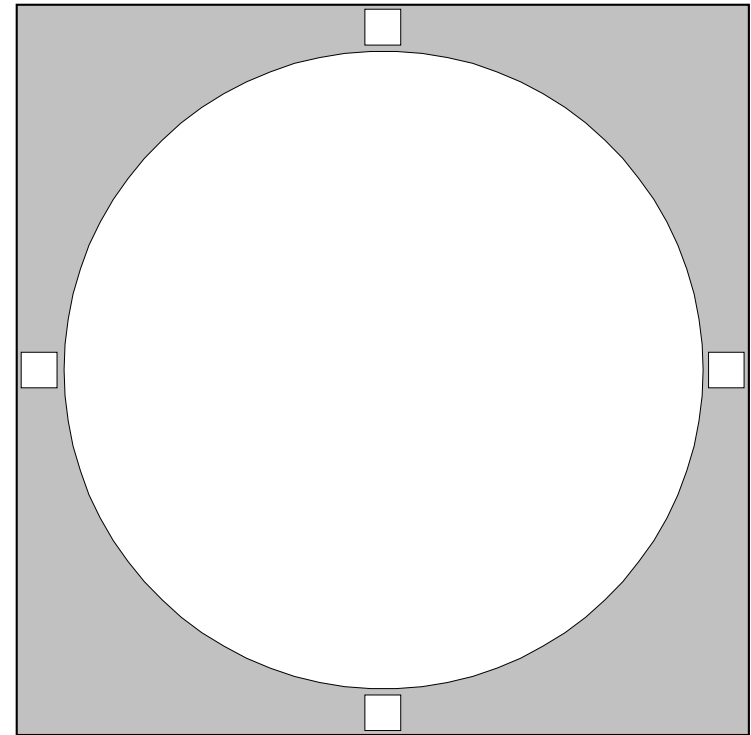
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 51

NGC Number		3003	
Constellation		Leo Minor	
Type		G-Sbc?	
Visual Magnitude**		11.9	
Size	Distance	5.2' x 1.6'	62 million ly
RA (Epoch 2000.0)		09:48.6	
Dec (Epoch 2000.0)		+33:25	
UM I	UM II	104	56
Sky Atlas 2000		6	
Season		Spring	
Remarks***		faint elongated streak	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

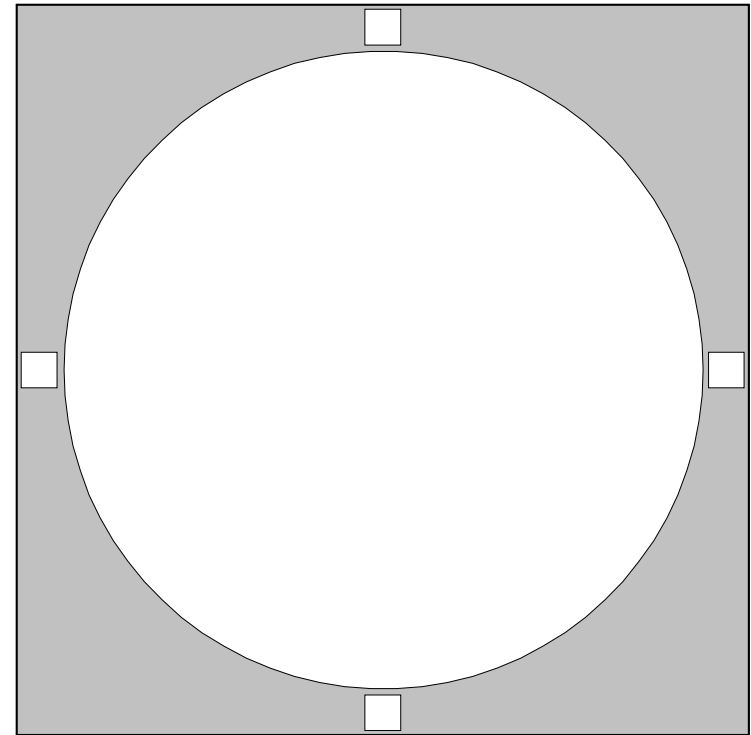


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 52

NGC Number	3344		
Constellation	Leo Minor		
Type	G-SABbc		
Visual Magnitude**	9.9		
Size	Distance	6.9' x 6.4'	22 million ly
RA (Epoch 2000.0)	10:43.5		
Dec (Epoch 2000.0)	+24:55		
UM I	UM II	145	73
Sky Atlas 2000	6		
Season	Spring		
Remarks***	diffuse face-on large spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

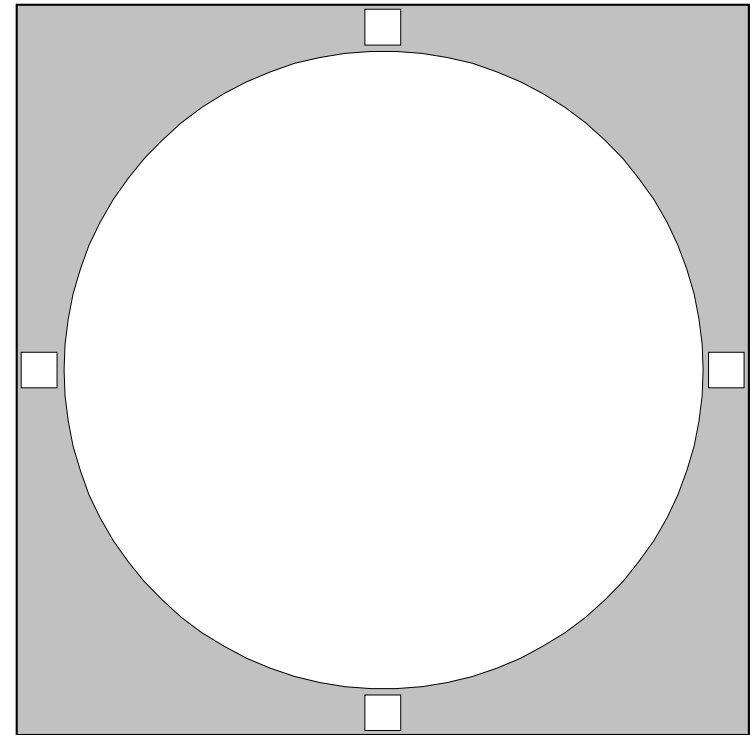
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 53

NGC Number		3432	
Constellation		Leo Minor	
Type		G-SBm	
Visual Magnitude**		11.2	
Size	Distance	6.9' x 1.9'	27 million ly
RA (Epoch 2000.0)		10:52.5	
Dec (Epoch 2000.0)		+36:37	
UM I	UM II	105	55
Sky Atlas 2000		2, 6	
Season		Spring	
Remarks***		nearly edge-on; faint flat streak	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

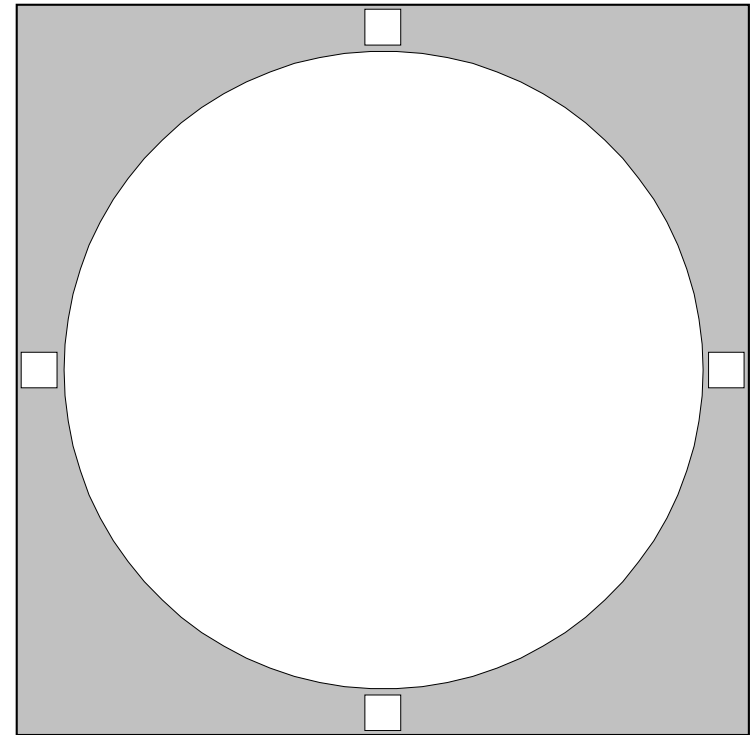


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 54

NGC Number	2903		
Constellation	Leo		
Type	G-SABbc		
Visual Magnitude**	9.0		
Size	Distance	12.0' x 6.0'	20 million ly
RA (Epoch 2000.0)	09:32.2		
Dec (Epoch 2000.0)	+21:30		
UM I	UM II	143	74
Sky Atlas 2000	6		
Season	Spring		
Remarks***	!! very large, bright elongated spiral		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

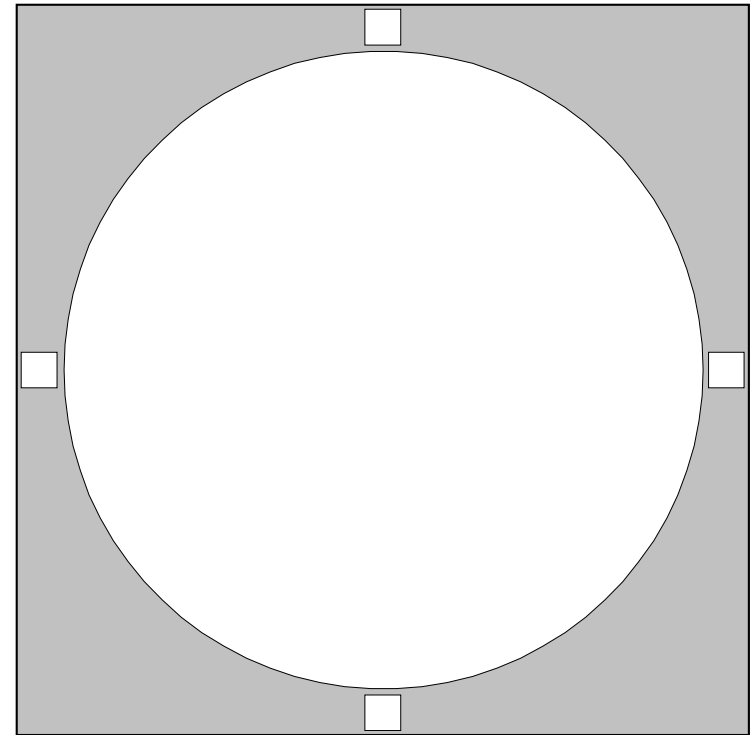


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 55

NGC Number	3384		
Constellation	Leo		
Type	G-SB0-		
Visual Magnitude**	9.9		
Size	Distance	5.5' x 2.9'	28 million ly
RA (Epoch 2000.0)	10:48.3		
Dec (Epoch 2000.0)	+12:38		
UM I	UM II	190	92
Sky Atlas 2000	13		
Season	Spring		
Remarks***	same field as M105 and NGC 3389		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

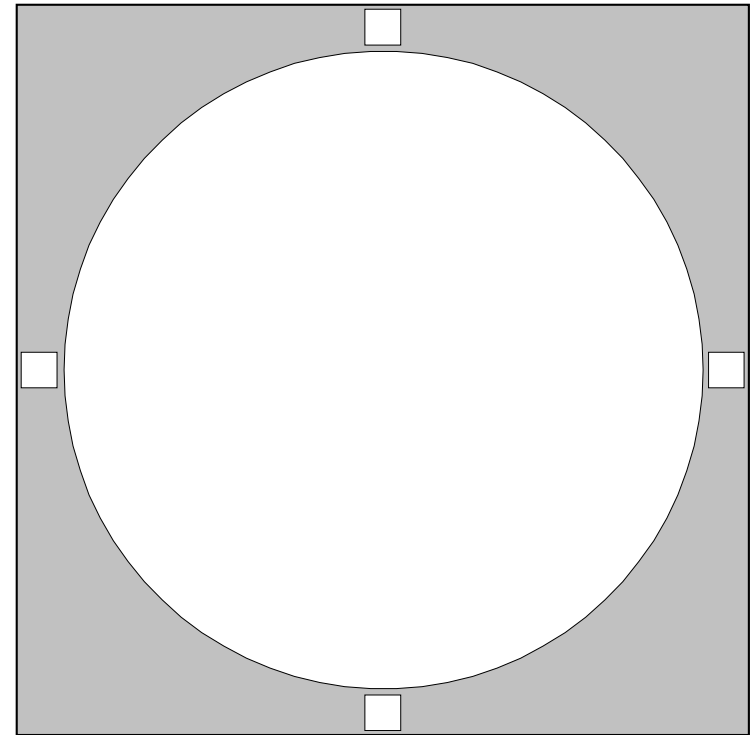


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 56

NGC Number		3521	
Constellation		Leo	
Type		G-SAb	
Visual Magnitude**		9.0	
Size	Distance	12.0' x 6.0'	28 million ly
RA (Epoch 2000.0)		11:05.8	
Dec (Epoch 2000.0)		-00:02	
UM I	UM II	236	112
Sky Atlas 2000		13	
Season		Spring	
Remarks***		very large, bright spiral	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

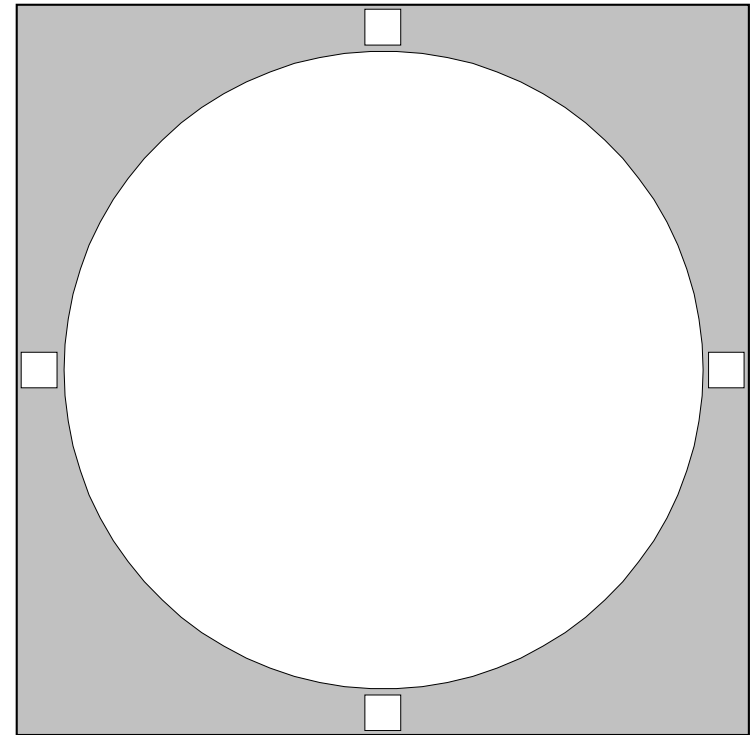


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 57

NGC Number	3607		
Constellation	Leo		
Type	G-SA0		
Visual Magnitude**	9.9		
Size	Distance	4.6' x 4.1'	37 million ly
RA (Epoch 2000.0)	11:16.9		
Dec (Epoch 2000.0)	+18:03		
UM I	UM II	146	72, 73
Sky Atlas 2000	6, 13		
Season	Spring		
Remarks***	NGCs 3605 & 3608 in same field		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

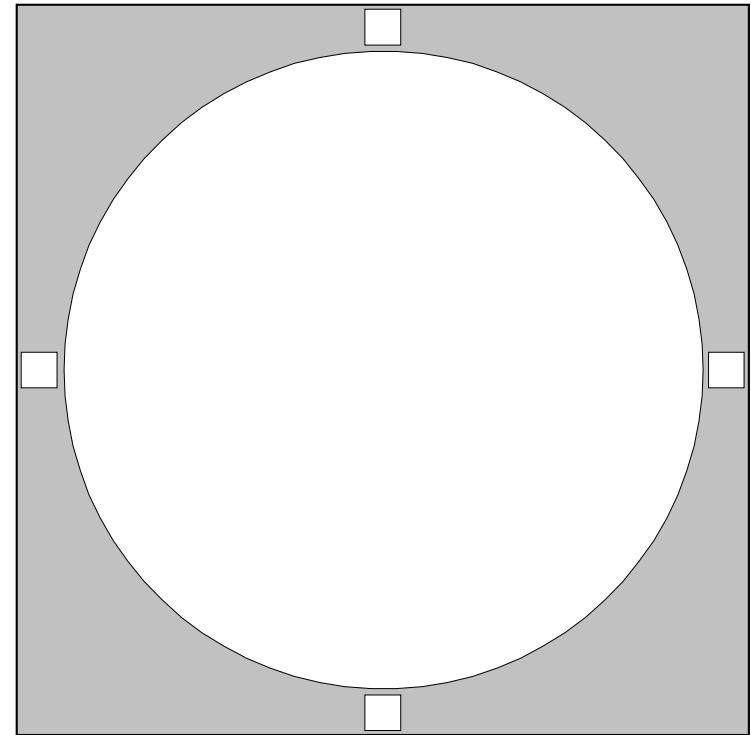


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 58

NGC Number	3628		
Constellation	Leo		
Type	G-Sb pec		
Visual Magnitude**	9.5		
Size	Distance	14.0' x 4.0'	32 million ly
RA (Epoch 2000.0)	11:20.3		
Dec (Epoch 2000.0)	+13:36		
UM I	UM II	191	91, 92
Sky Atlas 2000	13		
Season	Spring		
Remarks***	large edge-on; same field as M65 and M66		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

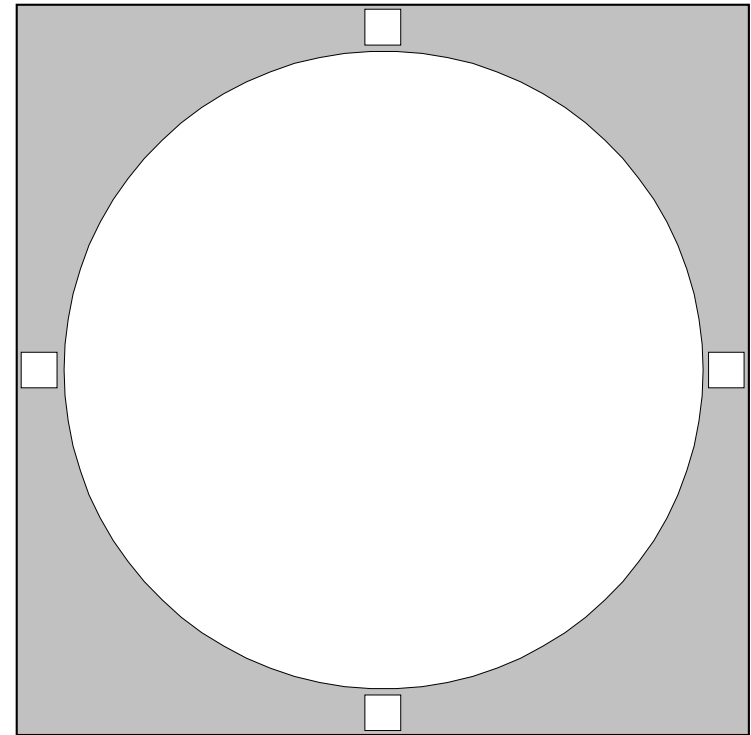


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 59

NGC Number	4111		
Constellation	Canes Venatici		
Type	G-SA0+		
Visual Magnitude**	10.7		
Size	Distance	4.4' x 0.9'	37 million ly
RA (Epoch 2000.0)	12:07.1		
Dec (Epoch 2000.0)	+43:04		
UM I	UM II	74	37
Sky Atlas 2000	6, 7		
Season	Spring		
Remarks***	bright lens-shaped edge-on spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

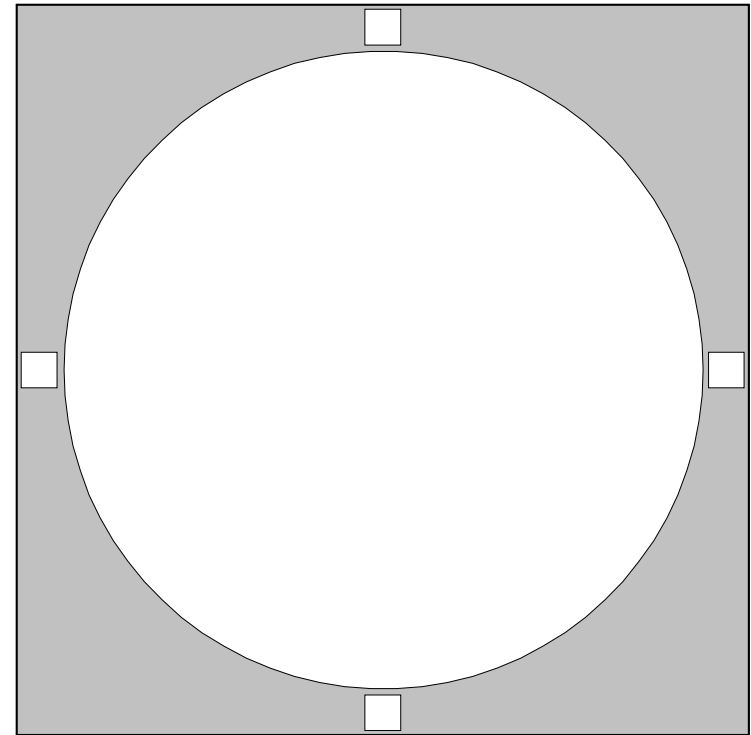
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 60

NGC Number	4214		
Constellation	Canes Venatici		
Type	G-I AB		
Visual Magnitude**	9.8		
Size	Distance	10.0' x 8.0'	13 million ly
RA (Epoch 2000.0)	12:15.6		
Dec (Epoch 2000.0)	+36:20		
UM I	UM II	107, 108	54
Sky Atlas 2000	6, 7		
Season	Spring		
Remarks***	large irregular galaxy		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

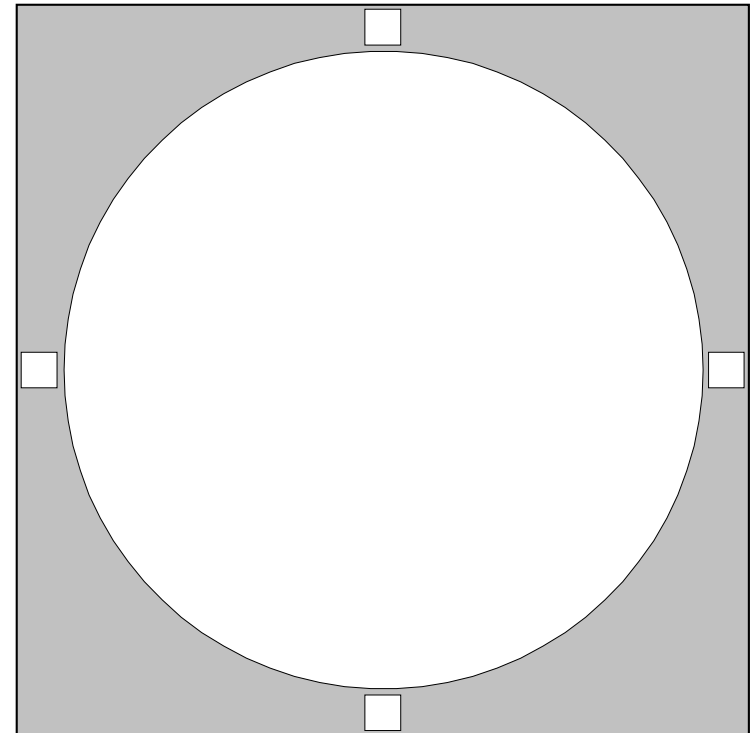


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 61

NGC Number		4244	
Constellation		Canes Venatici	
Type		G-SAcD	
Visual Magnitude**		10.4	
Size	Distance	17.0' x 2.0'	12 million ly
RA (Epoch 2000.0)		12:17.5	
Dec (Epoch 2000.0)		+37:49	
UM I	UM II	107, 108	54
Sky Atlas 2000		6, 7	
Season		Spring	
Remarks***		!! large distinct edge-on spiral	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

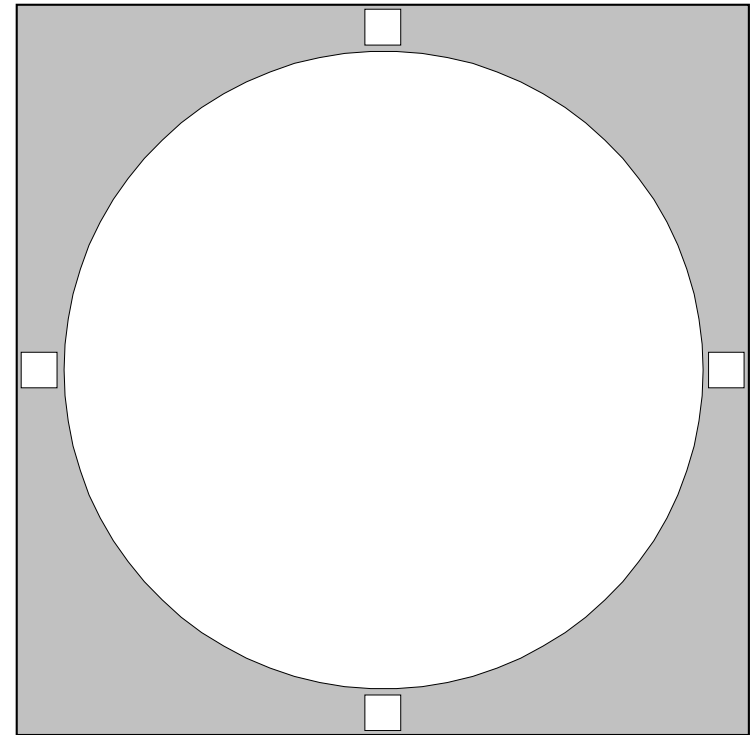
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 62

NGC Number		4449	
Constellation		Canes Venatici	
Type		G-I Bm	
Visual Magnitude**		9.6	
Size	Distance	5.5' x 4.1'	11 million ly
RA (Epoch 2000.0)		12:28.2	
Dec (Epoch 2000.0)		+44:06	
UM I	UM II	74, 75	37
Sky Atlas 2000		6, 7	
Season		Spring	
Remarks***		bright with odd rectangular shape	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

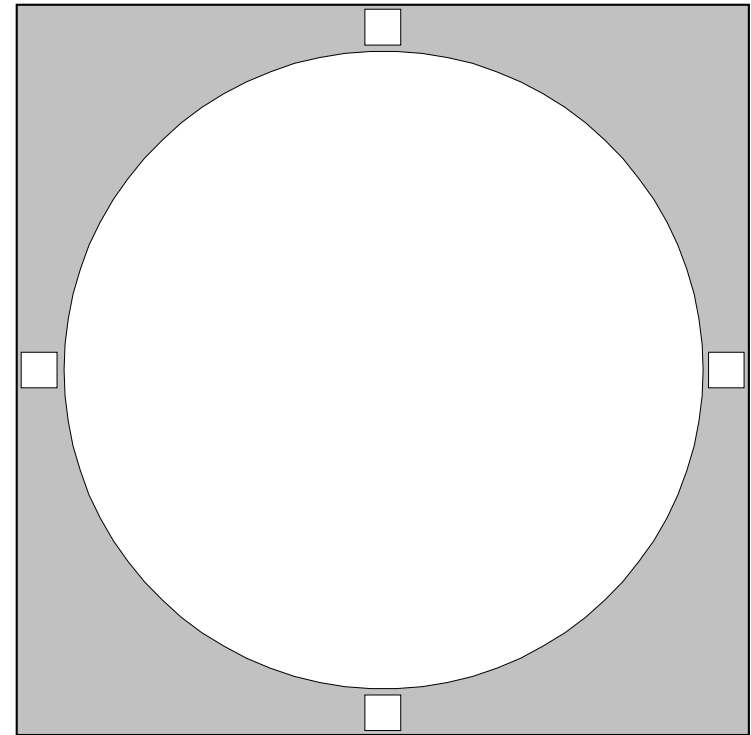
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

Cocoon Galaxy

NGC Number	4490		
Constellation	Canes Venatici		
Type	G-SBd p		
Visual Magnitude**	9.8		
Size	Distance	6.4' x 3.3'	27 million ly
RA (Epoch 2000.0)	12:30.6		
Dec (Epoch 2000.0)	+41:38		
UM I	UM II	75	37
Sky Atlas 2000	6, 7		
Season	Spring		
Remarks***	Cocoon Galaxy: bright spiral; 4485 in field		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

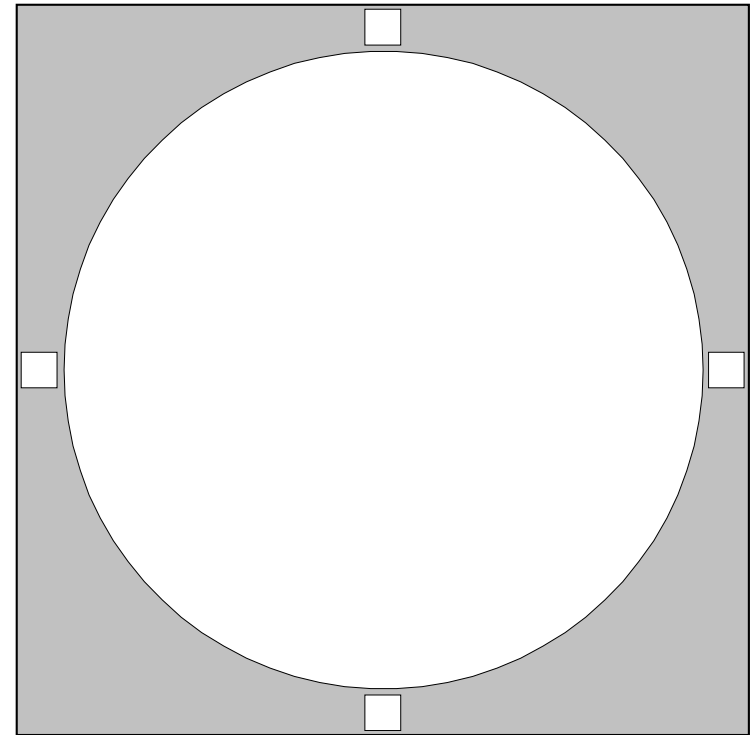
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 64

NGC Number	4631		
Constellation	Canes Venatici		
Type	G-SBd		
Visual Magnitude**	9.2		
Size	Distance	16.0' x 3.0'	28 million ly
RA (Epoch 2000.0)	12:42.1		
Dec (Epoch 2000.0)	+32:32		
UM I	UM II	108	53, 54
Sky Atlas 2000	7		
Season	Spring		
Remarks***	!! large edge-on; with companion 4627		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

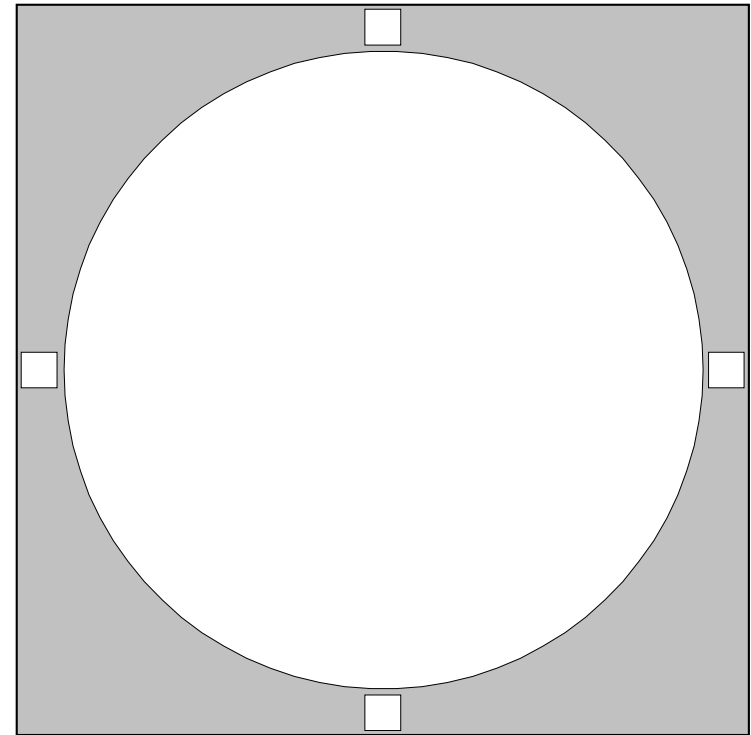


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 65

NGC Number		4656/7	
Constellation		Canes Venatici	
Type		G-SBm p	
Visual Magnitude**		10.5	
Size	Distance	20.0' x 3.0'	29 million ly
RA (Epoch 2000.0)		12:44.0	
Dec (Epoch 2000.0)		+32:10	
UM I	UM II	108	53, 54
Sky Atlas 2000		7	
Season		Spring	
Remarks***		!! in field with 4631; NE end curves up	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

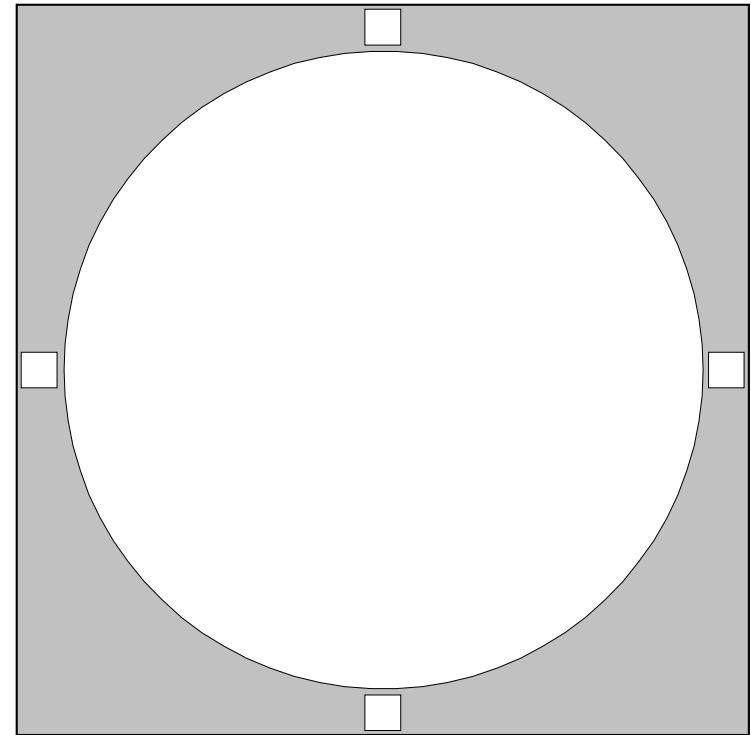


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 66

NGC Number	5005		
Constellation	Canes Venatici		
Type	G-SABbc		
Visual Magnitude**	9.8		
Size	Distance	5.8' x 2.8'	47 million ly
RA (Epoch 2000.0)	13:10.9		
Dec (Epoch 2000.0)	+37:03		
UM I	UM II	109	53
Sky Atlas 2000	7		
Season	Spring		
Remarks***	bright elongated spiral near alpha CVn		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

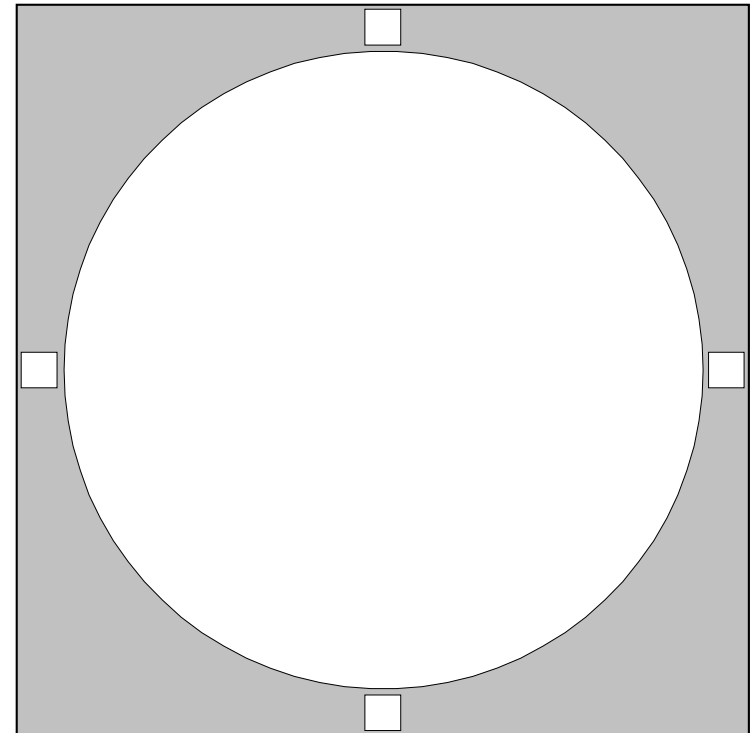


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 67

NGC Number		5033	
Constellation		Canes Venatici	
Type		G-SAc	
Visual Magnitude**		10.2	
Size	Distance	10.0' x 5.0'	42 million ly
RA (Epoch 2000.0)		13:13.4	
Dec (Epoch 2000.0)		+36:36	
UM I	UM II	109	53
Sky Atlas 2000		7	
Season		Spring	
Remarks***		large bright spiral near NGC 5005	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

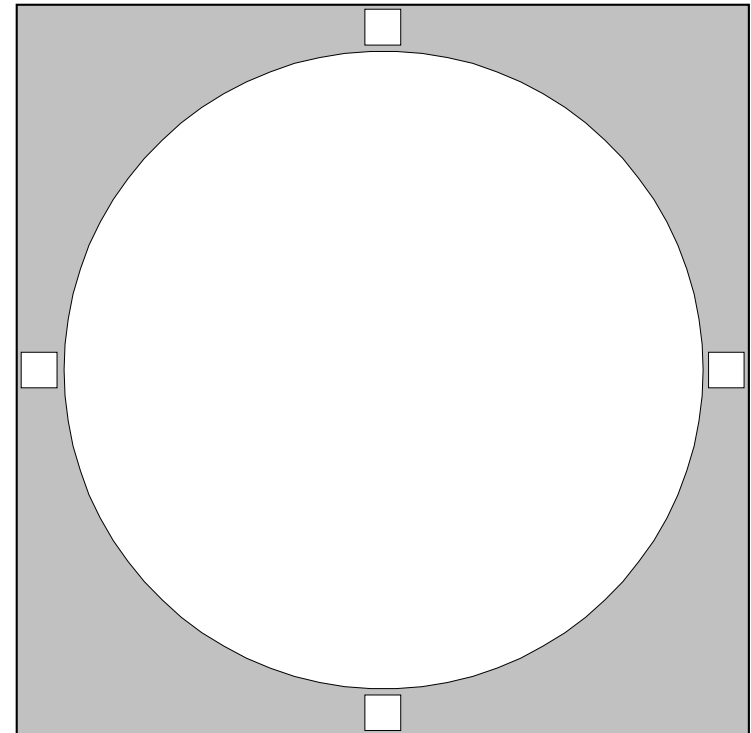


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 68

NGC Number		4274	
Constellation		Coma Berenices	
Type		G-SBab	
Visual Magnitude**		10.4	
Size	Distance	6.7' x 2.5'	31 million ly
RA (Epoch 2000.0)		12:19.8	
Dec (Epoch 2000.0)		+29:37	
UM I	UM II	107, 108	54, 72
Sky Atlas 2000		7	
Season		Spring	
Remarks***		NGCs 4278/83/86 in same field	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

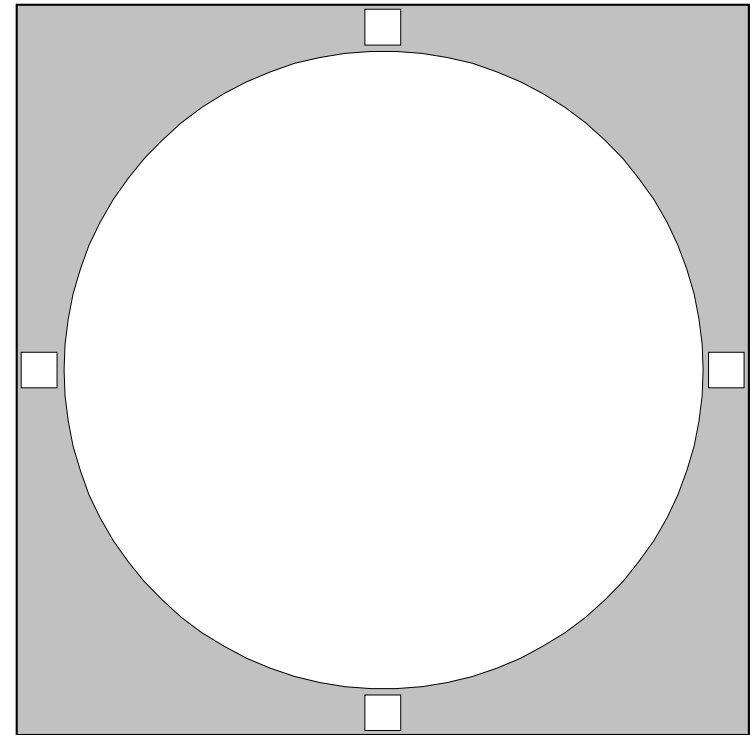


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 69

NGC Number		4414	
Constellation		Coma Berenices	
Type		G-SAc	
Visual Magnitude**		10.1	
Size	Distance	4.4' x 3.0'	31 million ly
RA (Epoch 2000.0)		12:26.4	
Dec (Epoch 2000.0)		+31:13	
UM I	UM II	108	54
Sky Atlas 2000		7	
Season		Spring	
Remarks***		bright spiral with star-like nucleus	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

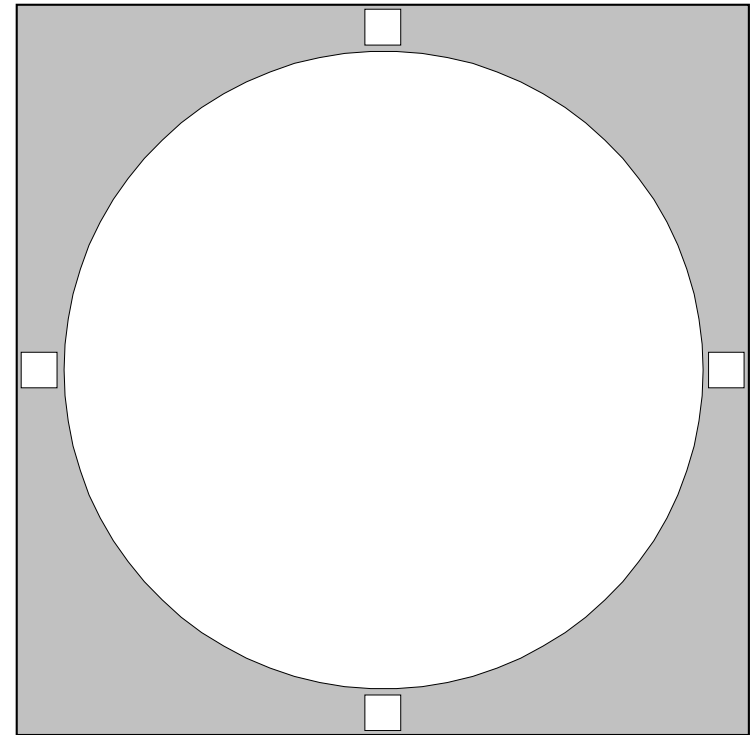


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 70

NGC Number	4494		
Constellation	Coma Berenices		
Type	G-E1-2		
Visual Magnitude**	9.8		
Size	Distance	4.6' x 4.4'	56 million ly
RA (Epoch 2000.0)	12:31.4		
Dec (Epoch 2000.0)	+25:47		
UM I	UM II	148, 149	72
Sky Atlas 2000	7		
Season	Spring		
Remarks***	small bright elliptical		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

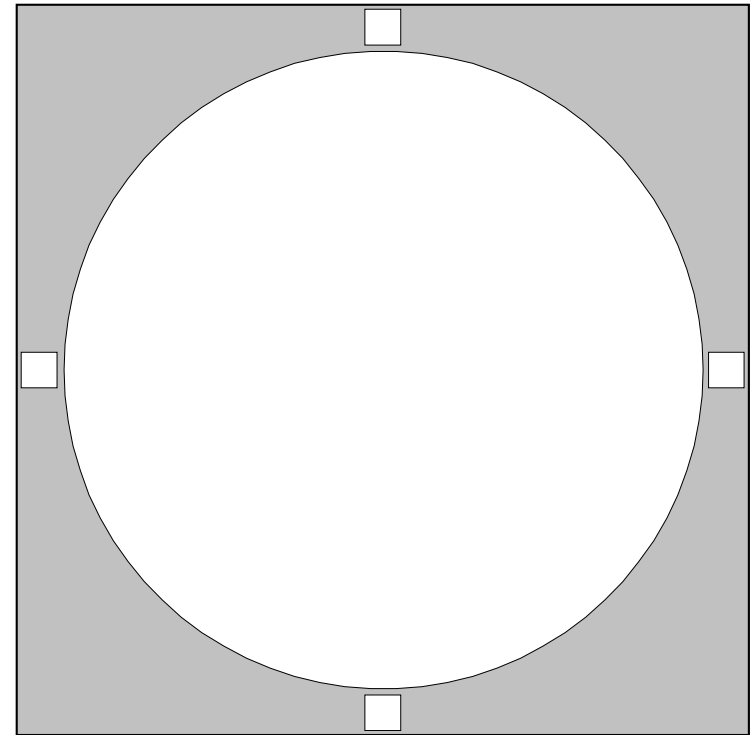
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 71

NGC Number		4559	
Constellation		Coma Berenices	
Type		G-SABc	
Visual Magnitude**		10.0	
Size	Distance	12.0' x 5.0'	35 million ly
RA (Epoch 2000.0)		12:36.0	
Dec (Epoch 2000.0)		+27:58	
UM I	UM II	108, 148, 149	72
Sky Atlas 2000		7	
Season		Spring	
Remarks***		large spiral with coarse structure	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

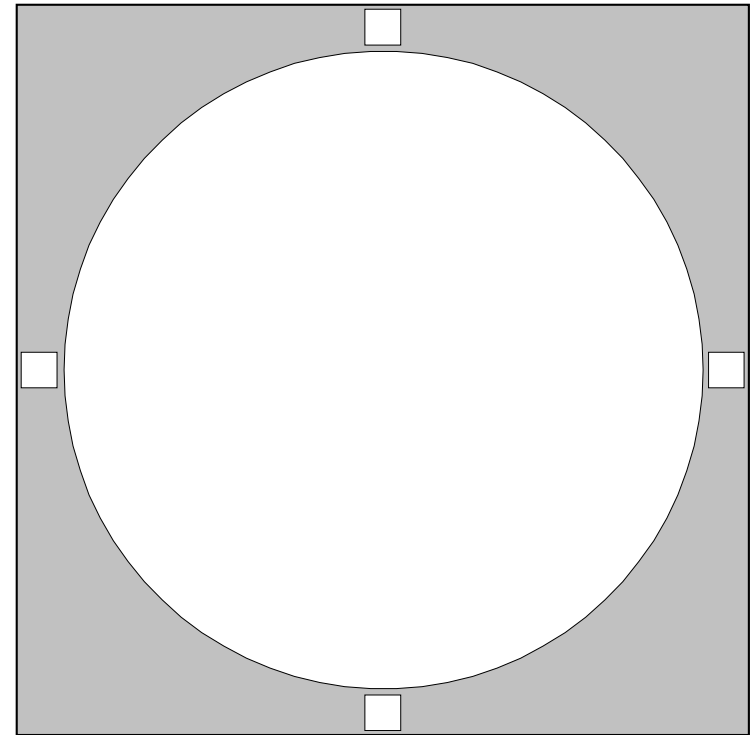


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 72

NGC Number		4565	
Constellation		Coma Berenices	
Type		G-SAb	
Visual Magnitude**		9.6	
Size	Distance	14.0' x 2.0'	49 million ly
RA (Epoch 2000.0)		12:36.3	
Dec (Epoch 2000.0)		+25:59	
UM I	UM II	149	71, 72
Sky Atlas 2000		7	
Season		Spring	
Remarks***		!! superb edge-on spiral with dust lane	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

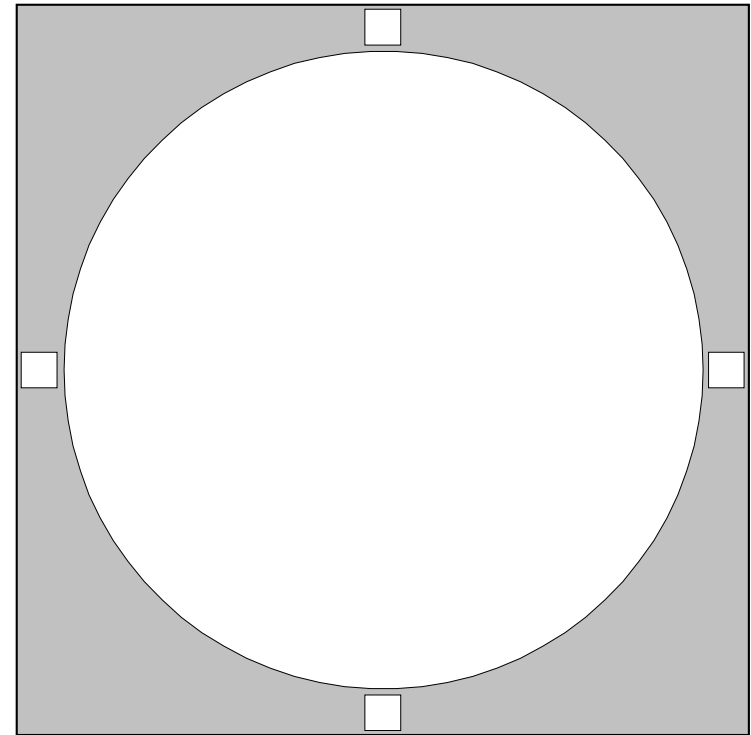
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 73

NGC Number	4725		
Constellation	Coma Berenices		
Type	G-SABab		
Visual Magnitude**	9.4		
Size	Distance	10.0' x 8.0'	49 million ly
RA (Epoch 2000.0)	12:50.4		
Dec (Epoch 2000.0)	+25:30		
UM I	UM II	149	71
Sky Atlas 2000	7		
Season	Spring		
Remarks***	very bright, large spiral		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

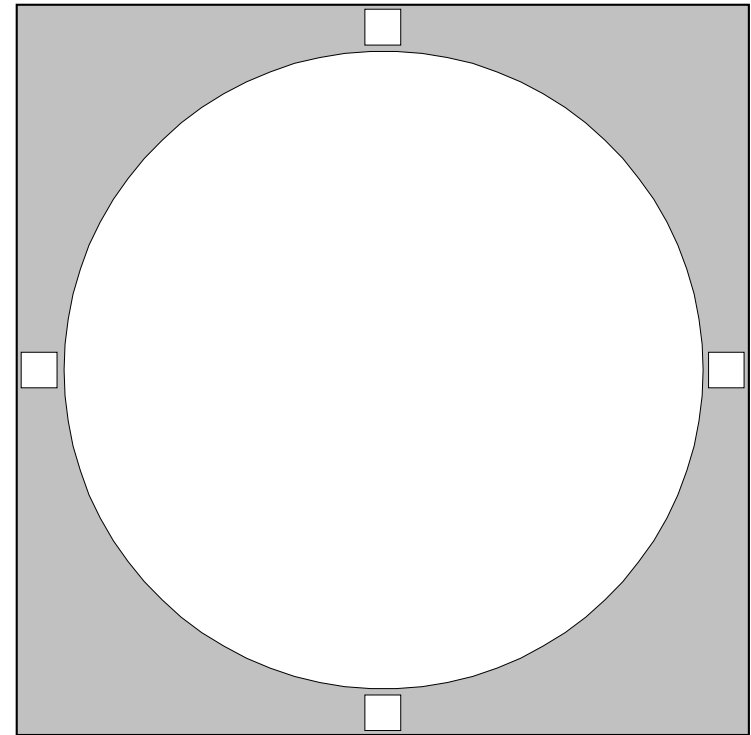
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

Antennae or Rattail galaxy

NGC Number	4038/9		
Constellation	Corvus		
Type	G-SB/IB		
Visual Magnitude**	~10.4		
Size	Distance	~5.0 x ~3.0' each	63 million ly
RA (Epoch 2000.0)	12:01.9		
Dec (Epoch 2000.0)	-18:52		
UM I	UM II	327, 328	150
Sky Atlas 2000	13, 14, 20, 21		
Season	Spring		
Remarks***	"Antennae" or "Rattail" interacting galaxies		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

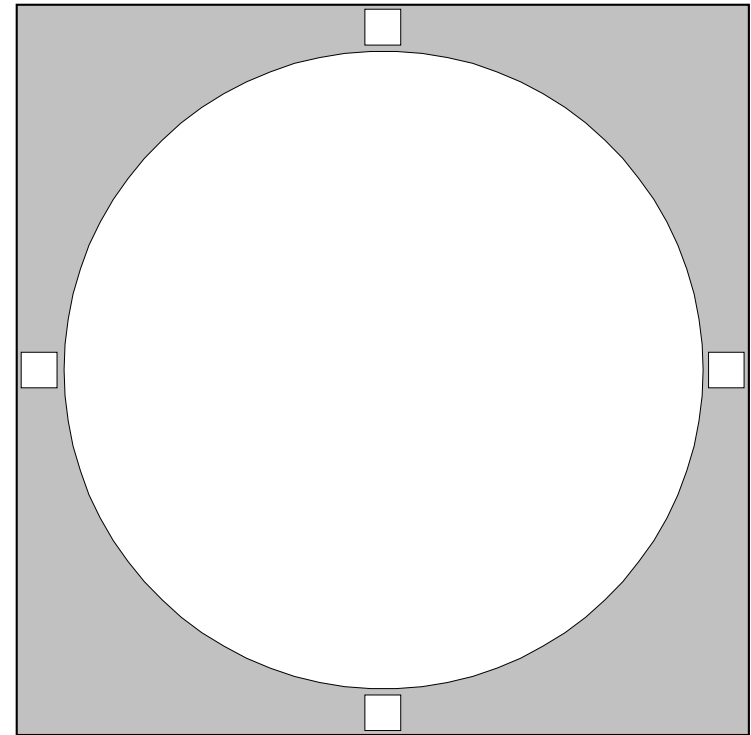
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 75

NGC Number	4361		
Constellation	Corvus		
Type	PN		
Visual Magnitude**	10.4		
Size	Distance	>45"	2,600 ly
RA (Epoch 2000.0)	12:24.5		
Dec (Epoch 2000.0)	-18:48		
UM I	UM II	328	150
Sky Atlas 2000	13, 14, 21		
Season	Spring		
Remarks***	small and bright; with 13th-mag central star		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

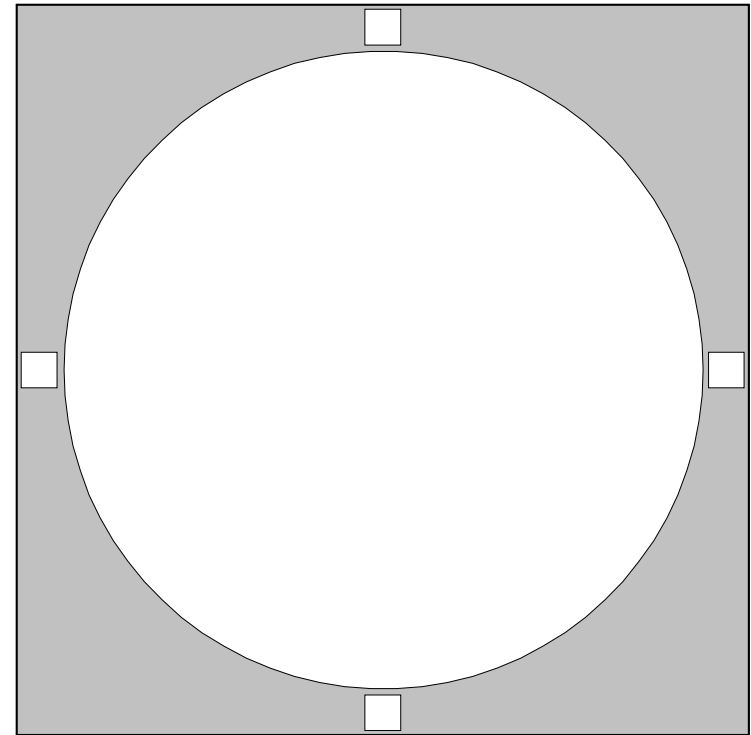
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 76

NGC Number	4216		
Constellation	Virgo		
Type	G-SABb		
Visual Magnitude**	10.0		
Size	Distance	7.8' x 1.6'	50 million ly
RA (Epoch 2000.0)	12:15.9		
Dec (Epoch 2000.0)	+13:09		
UM I	UM II	193	91
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	nearly edge-on; with NGCs 4206 & 4222		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

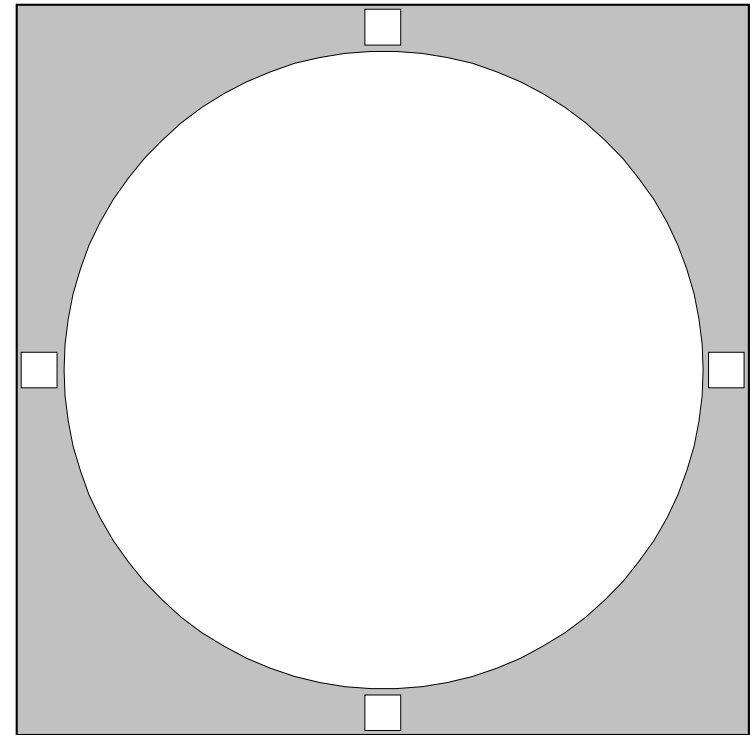
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 77

NGC Number	4388		
Constellation	Virgo		
Type	G-SAb		
Visual Magnitude**	11.0		
Size	Distance	5.7' x 1.6'	110 million ly
RA (Epoch 2000.0)	12:25.8		
Dec (Epoch 2000.0)	+12:40		
UM I	UM II	193	91, A13
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	with M84 and M86 in Markarian's Chain		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

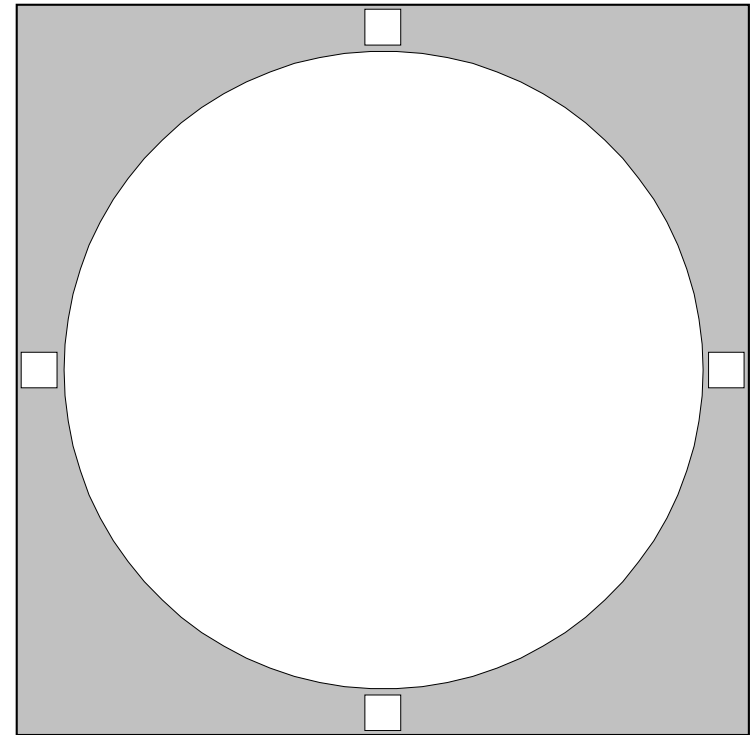


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 78

NGC Number	4438		
Constellation	Virgo		
Type	G-SA0/a		
Visual Magnitude**	10.2		
Size	Distance	8.9' x 3.6'	8 million ly
RA (Epoch 2000.0)	12:27.8		
Dec (Epoch 2000.0)	+13:01		
UM I	UM II	193	91, A13
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	paired with NGC 4435 to form the "Eyes"		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

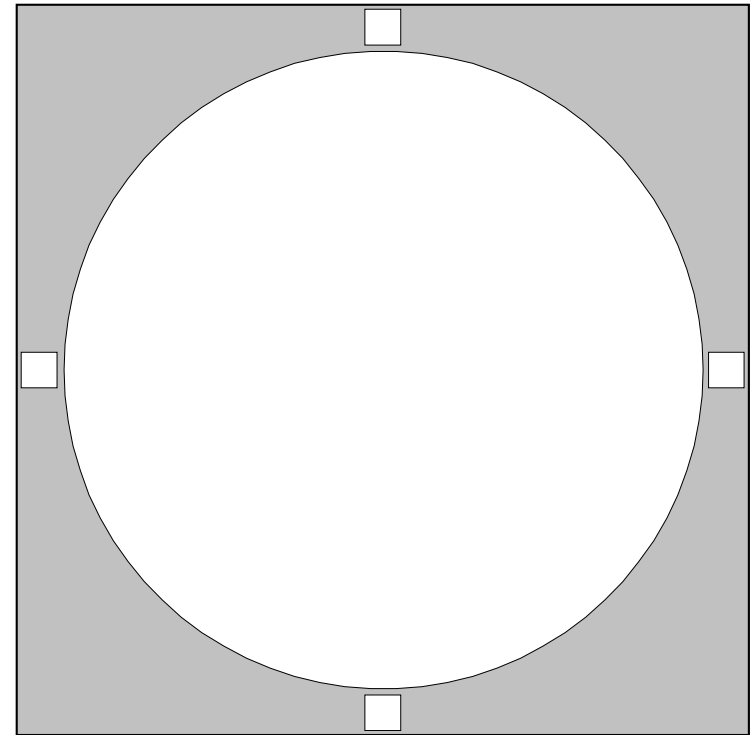


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 79

NGC Number	4517		
Constellation	Virgo		
Type	G-Scd		
Visual Magnitude**	10.4		
Size	Distance	9.9' x 1.4'	44 million ly
RA (Epoch 2000.0)	12:32.8		
Dec (Epoch 2000.0)	+00:07		
UM I	UM II	238, 239	110, 111
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	faint edge-on spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

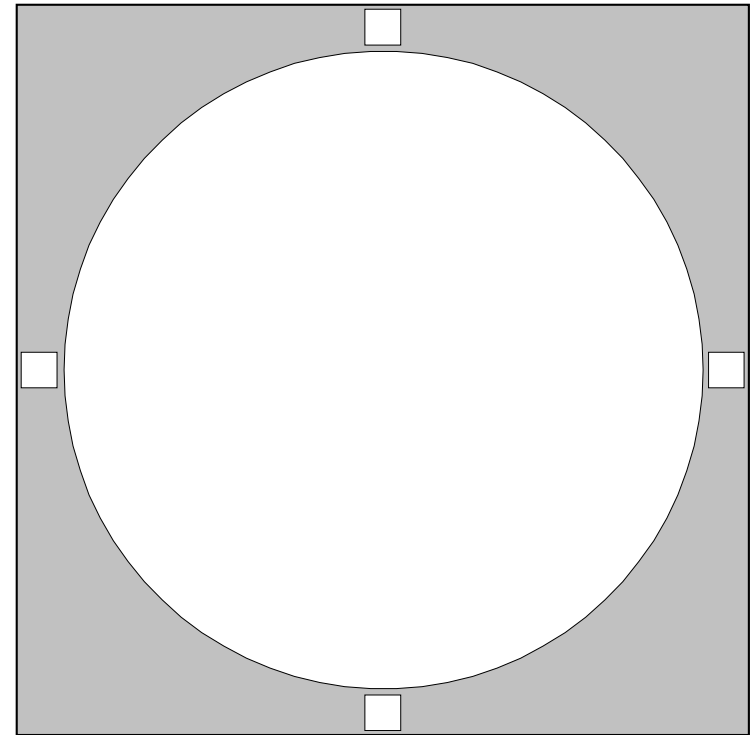


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 80

NGC Number	4526		
Constellation	Virgo		
Type	G-SAB0		
Visual Magnitude**	9.7		
Size	Distance	7.1' x 2.9'	15 million ly
RA (Epoch 2000.0)	12:34.0		
Dec (Epoch 2000.0)	+07:42		
UM I	UM II	193, 194	90, 91
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	between two 7th-mag stars		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

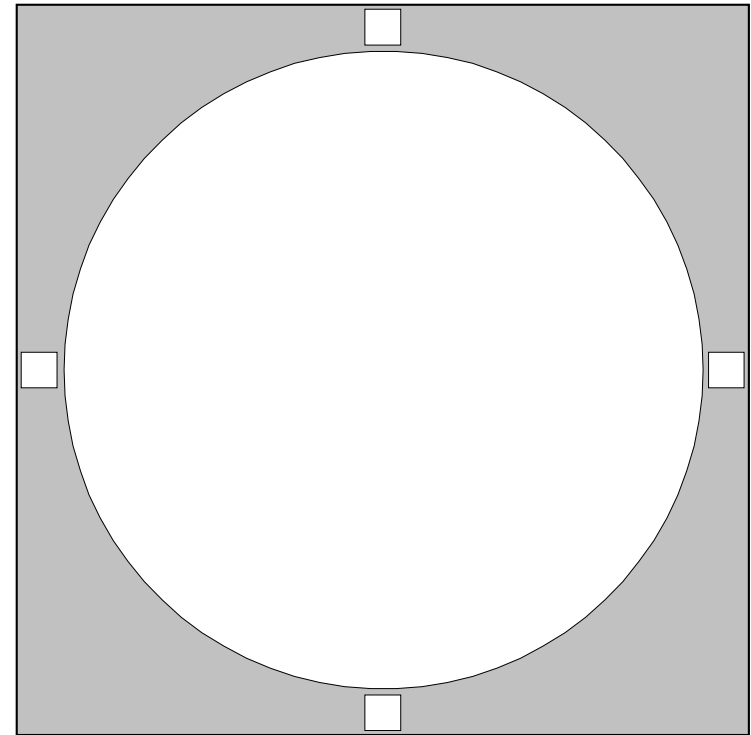
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 81

NGC Number	4535		
Constellation	Virgo		
Type	G-SABc		
Visual Magnitude**	10.0		
Size	Distance	7.1' x 6.4'	81 million ly
RA (Epoch 2000.0)	12:34.3		
Dec (Epoch 2000.0)	+08:12		
UM I	UM II	193, 194	90, 91
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	near M49 and 3/4 deg north of NGC 4526		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

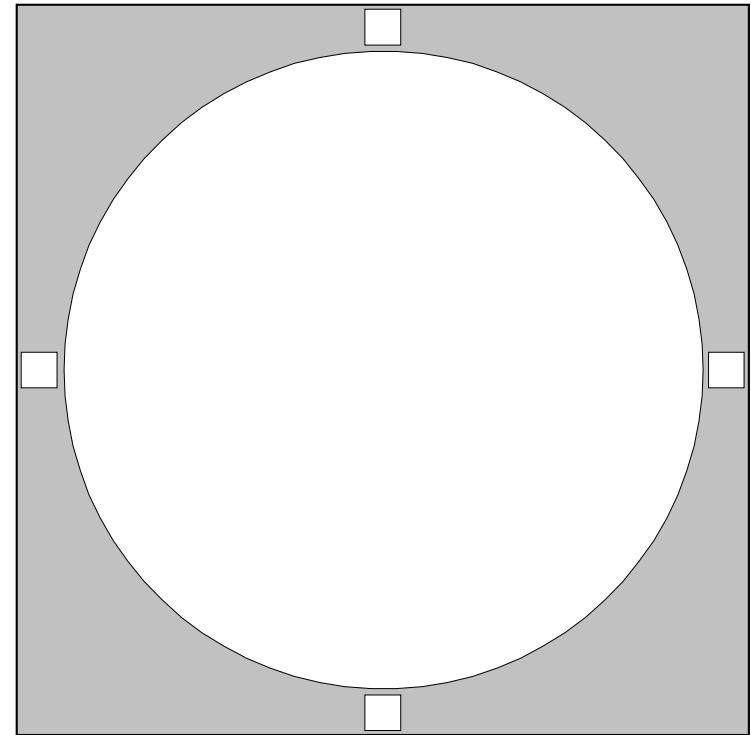


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 82
Siamese Twins

NGC Number	4567/8		
Constellation	Virgo		
Type	G-SAbc		
Visual Magnitude**	~11		
Size	Distance	~3.0' x ~2.0' each	92/94 million ly
RA (Epoch 2000.0)	12:36.5		
Dec (Epoch 2000.0)	+11:15		
UM I	UM II	194	90, 91, A13
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	Siamese Twins "interacting galaxies"		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

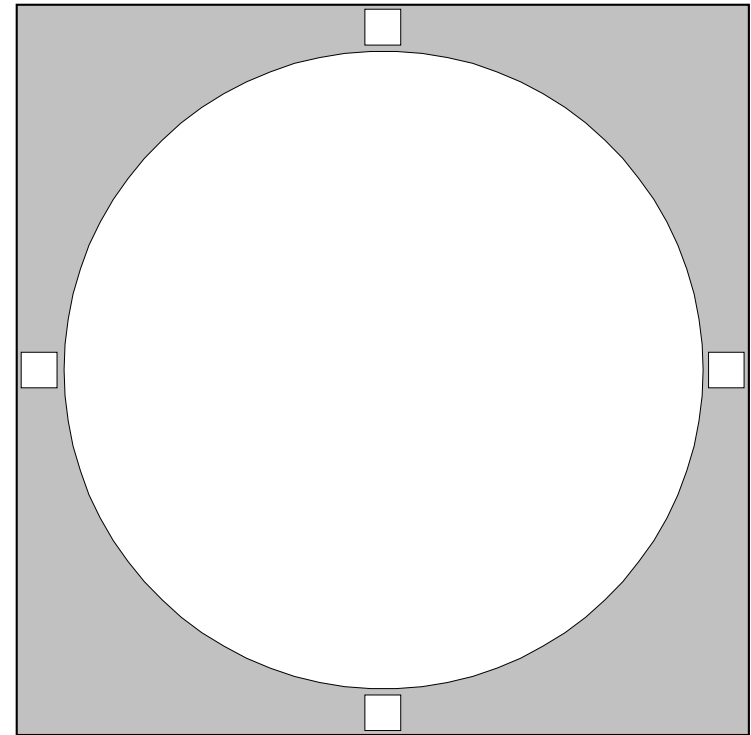


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 83

NGC Number		4699		
Constellation		Virgo		
Type		G-Sab		
Visual Magnitude**		9.5		
Size	Distance	4.4' x 3.2'	59 million ly	
RA (Epoch 2000.0)		12:49.0		
Dec (Epoch 2000.0)		-08:40		
UM I	UM II	284	130	
Sky Atlas 2000		13, 14		
Season		Spring		
Remarks***		small & bright; look for NGC 4697 3 deg north		
Date	Time			
Seeing		1	2	3 4 5
Transparency		1	2	3 4 5
Telescope				
Eyepiece	Magnification			
Observing Location				

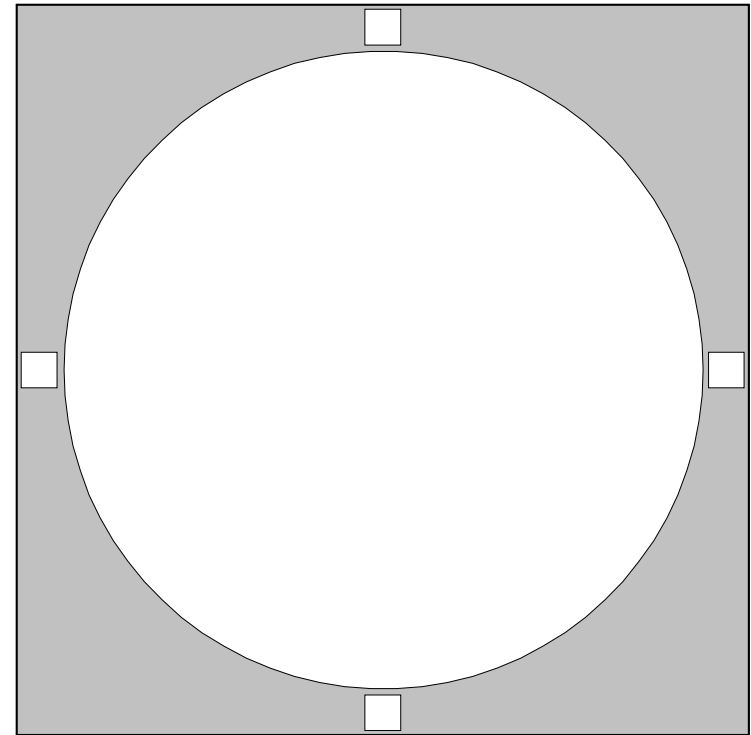


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 84

NGC Number	4762		
Constellation	Virgo		
Type	G-SB0?		
Visual Magnitude**	10.3		
Size	Distance	9.1' x 2.2' 38 million ly	
RA (Epoch 2000.0)	12:52.9		
Dec (Epoch 2000.0)	+11:14		
UM I	UM II	194	90
Sky Atlas 2000	13, 14		
Season	Spring		
Remarks***	flattest galaxy known; 4754 in same field		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

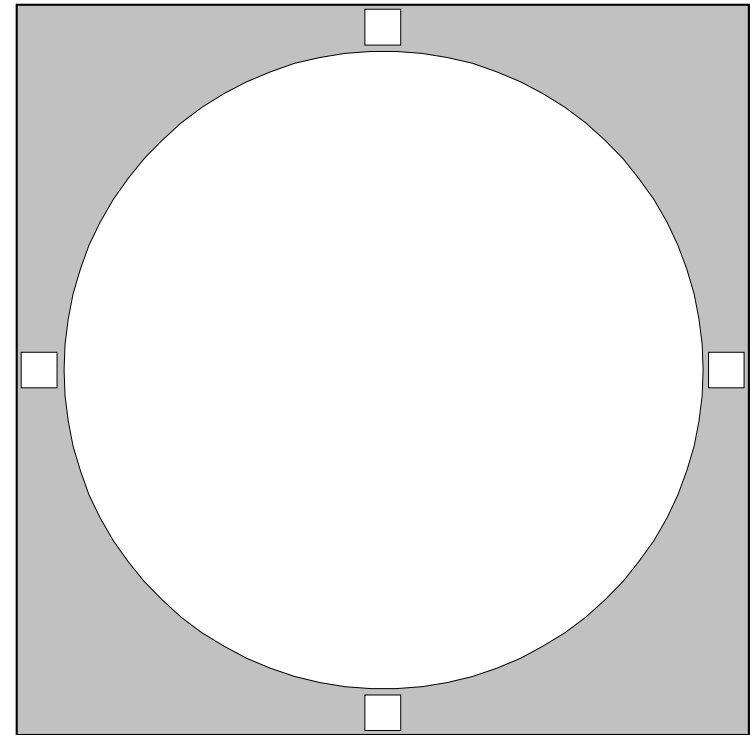


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 85

NGC Number	5746		
Constellation	Virgo		
Type	G-SA?B		
Visual Magnitude**	10.3		
Size	Distance	6.8' x 1.0'	78 million ly
RA (Epoch 2000.0)	14:44.9		
Dec (Epoch 2000.0)	+01:57		
UM I	UM II	243	109
Sky Atlas 2000	14		
Season	Spring		
Remarks***	fine edge-on near 109 Virginis		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

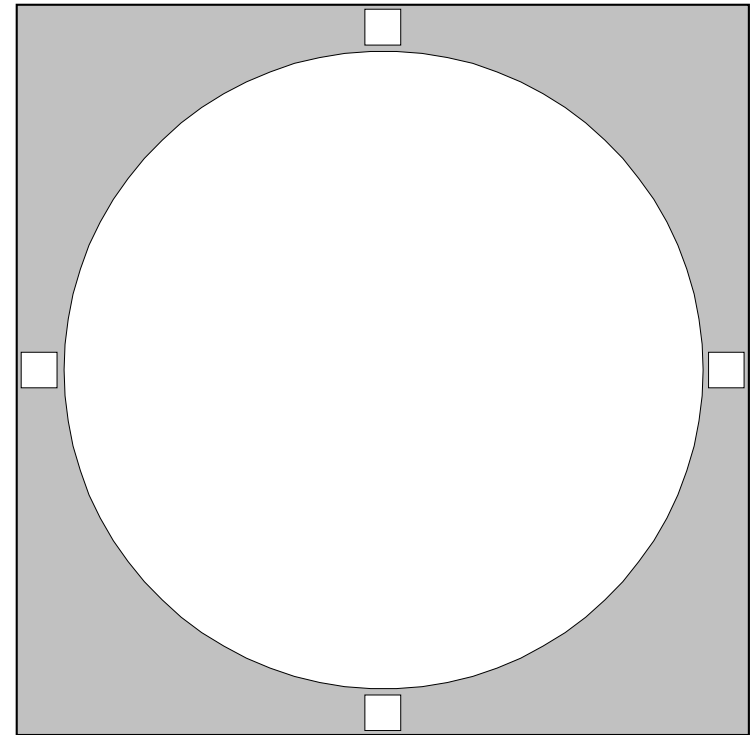


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 86

NGC Number		5466	
Constellation		Bootes	
Type		GC	
Visual Magnitude**		9.0	
Size	Distance	11.0'	47 million ly
RA (Epoch 2000.0)		14:05.5	
Dec (Epoch 2000.0)		+28:32	
UM I	UM II	110, 151, 152	70
Sky Atlas 2000		7	
Season		Spring	
Remarks***		loose class XII; like rich open cluster.; faint	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

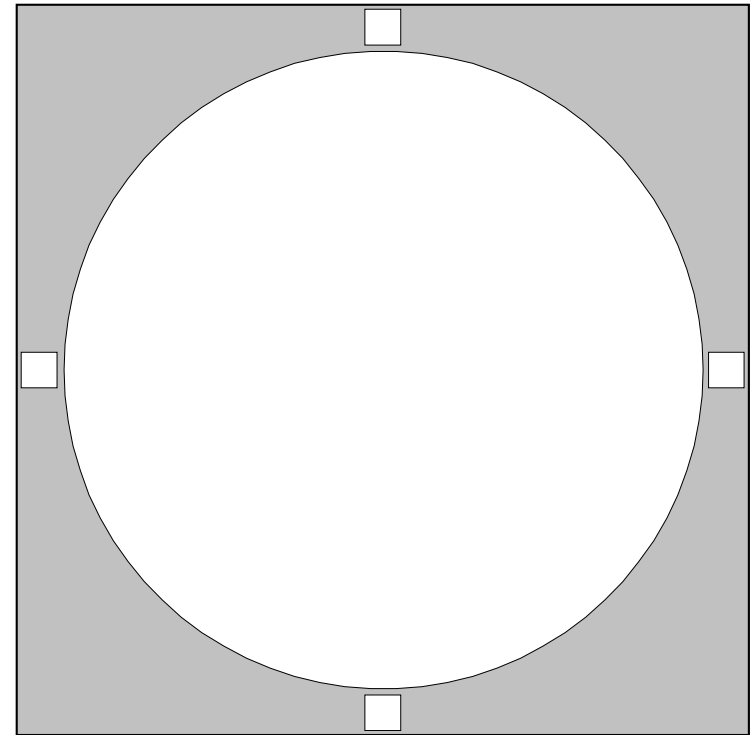
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 87

NGC Number	5907		
Constellation	Draco		
Type	G-SAc		
Visual Magnitude**	10.3		
Size	Distance	12.0' x 2.0'	34 million ly
RA (Epoch 2000.0)	15:15.9		
Dec (Epoch 2000.0)	+56:19		
UM I	UM II	50	22
Sky Atlas 2000	2		
Season	Spring		
Remarks***	!! fine edge-on with dust lane; near 5866		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

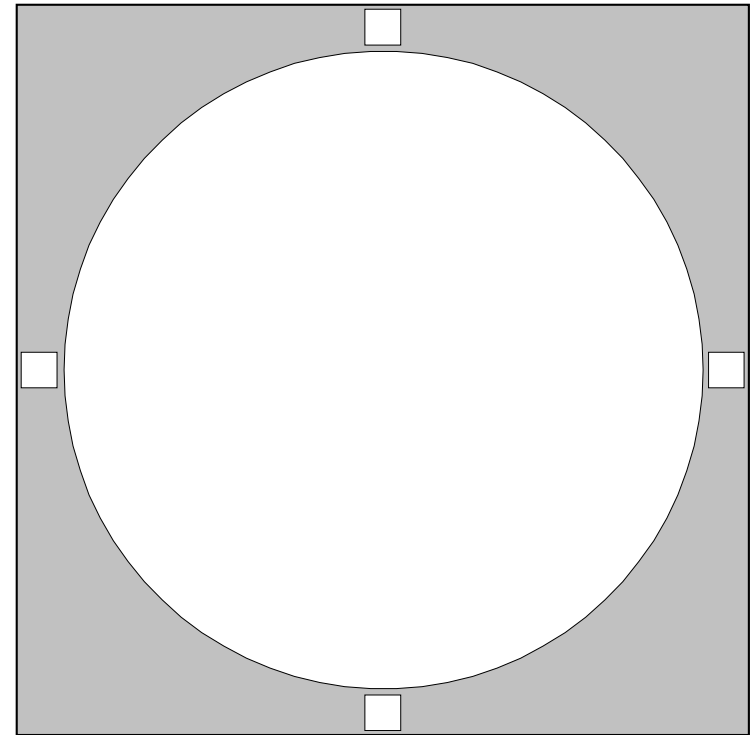
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 88

NGC Number	6503		
Constellation	Draco		
Type	G-SAcD		
Visual Magnitude**	10.2		
Size	Distance	7.3' x 2.4'	14 million ly
RA (Epoch 2000.0)	17:49.4		
Dec (Epoch 2000.0)	+70:09		
UM I	UM II	30	11
Sky Atlas 2000	2, 3		
Season	Spring		
Remarks***	bright elongated spiral		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

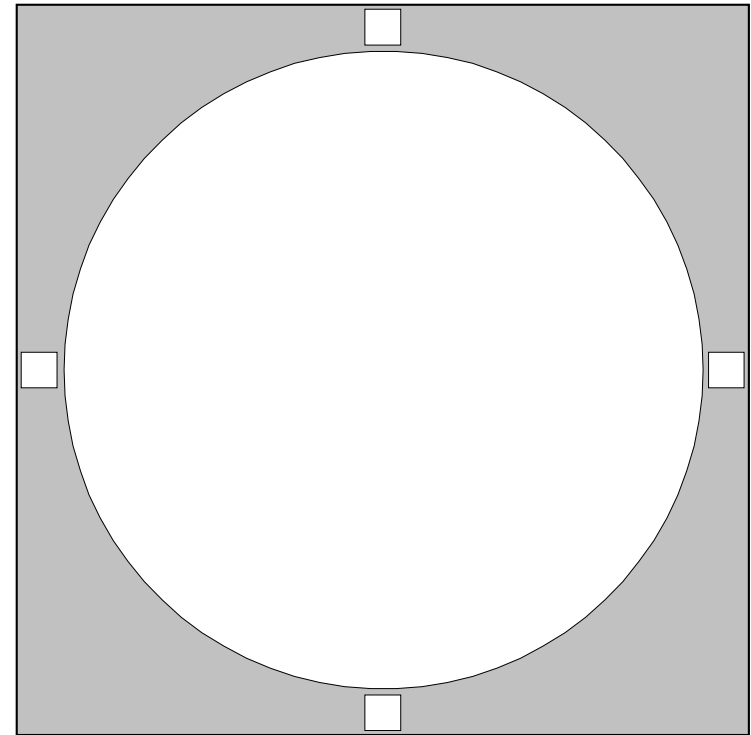


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 89
Cat's Eye Nebula

NGC Number	6543		
Constellation	Draco		
Type	PN		
Visual Magnitude**	8.1		
Size	Distance	>18"	3,600 ly
RA (Epoch 2000.0)	17:58.6		
Dec (Epoch 2000.0)	+66:38		
UM I	UM II	30	10, 11
Sky Atlas 2000	3		
Season	Spring		
Remarks***	Cat's Eye Nebula; with 11 mag central star		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

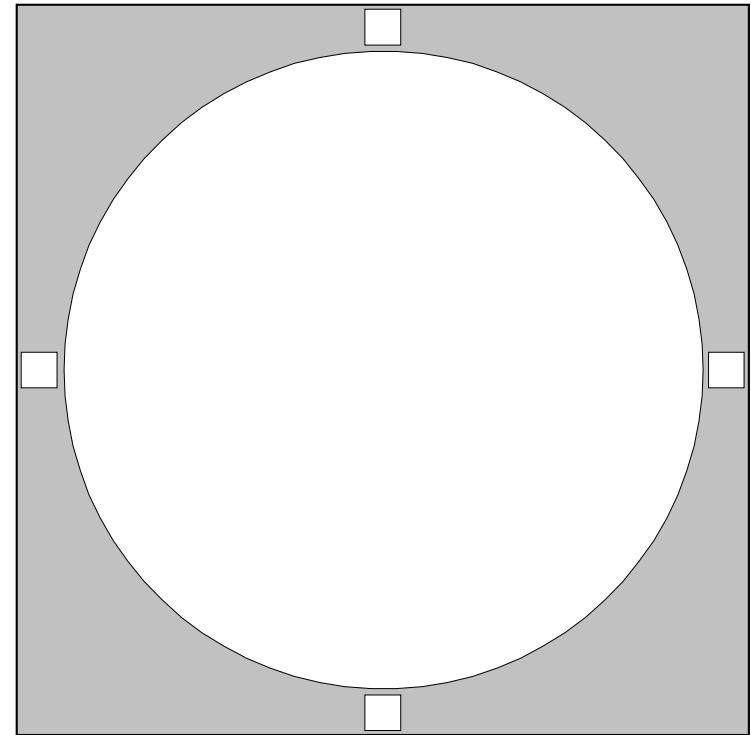
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 90

NGC Number	6210		
Constellation	Hercules		
Type	PN		
Visual Magnitude**	8.8		
Size	Distance	>14"	3,600 ly
RA (Epoch 2000.0)	16:44.5		
Dec (Epoch 2000.0)	+23:49		
UM I	UM II	156, 157	68
Sky Atlas 2000	8		
Season	Summer		
Remarks***	blue star-like planetary		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

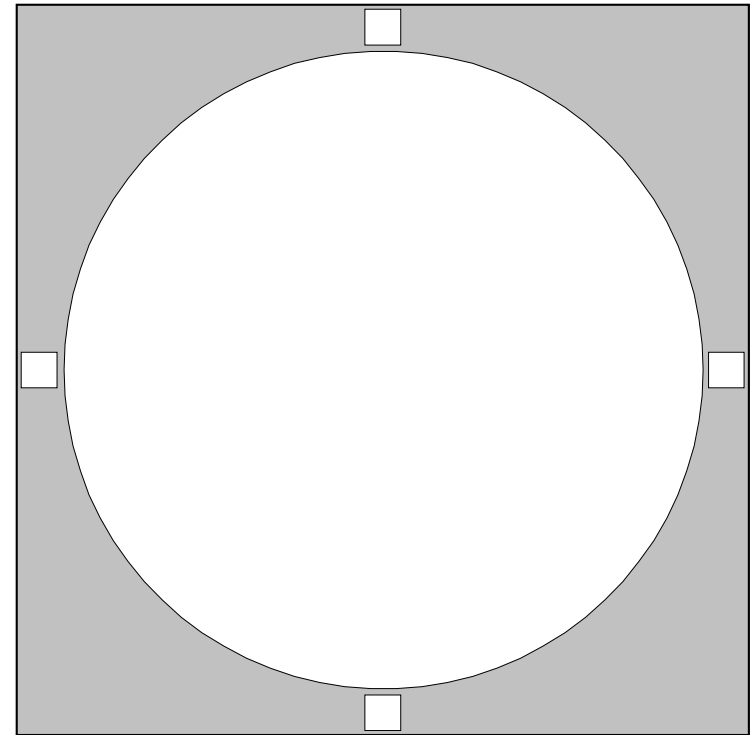
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

Little Ghost

NGC Number	6369		
Constellation	Ophiuchus		
Type	PN		
Visual Magnitude**	11.4		
Size	Distance	> 30"	3,900 ly
RA (Epoch 2000.0)	17:29.3		
Dec (Epoch 2000.0)	-23:46		
UM I	UM II	338	146
Sky Atlas 2000	22		
Season	Summer		
Remarks***	"Little Ghost"; look for NGC 6309 nearby		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

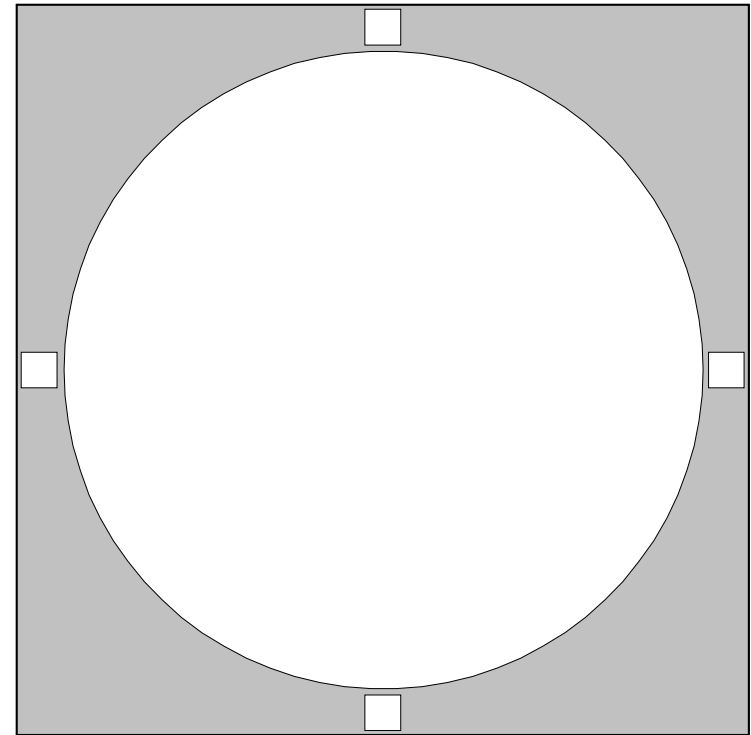
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 92

NGC Number	6572		
Constellation	Ophiuchus		
Type	PN		
Visual Magnitude**	8.1		
Size	Distance	8"	2,000 ly
RA (Epoch 2000.0)	18:12.1		
Dec (Epoch 2000.0)	+06:51		
UM I	UM II	204	86
Sky Atlas 2000	15, 16		
Season	Summer		
Remarks***	tiny bright blue oval		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

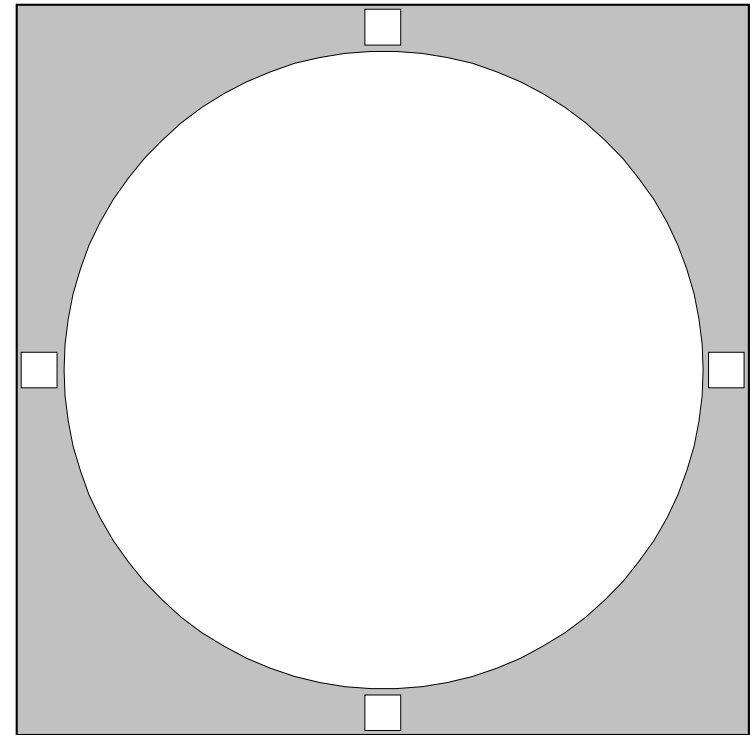
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 93

NGC Number		6633	
Constellation		Ophiuchus	
Type		OC	
Visual Magnitude**		4.6	
Size	Distance	27.0'	1,000 ly
RA (Epoch 2000.0)		18:27.7	
Dec (Epoch 2000.0)		+06:34	
UM I	UM II	204, 205	86
Sky Atlas 2000		15, 16	
Season		Summer	
Remarks***		sparse wide field cluster; IC 4756 nearby	
Date	Time		
Seeing		1	2 3 4 5
Transparency		1	2 3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

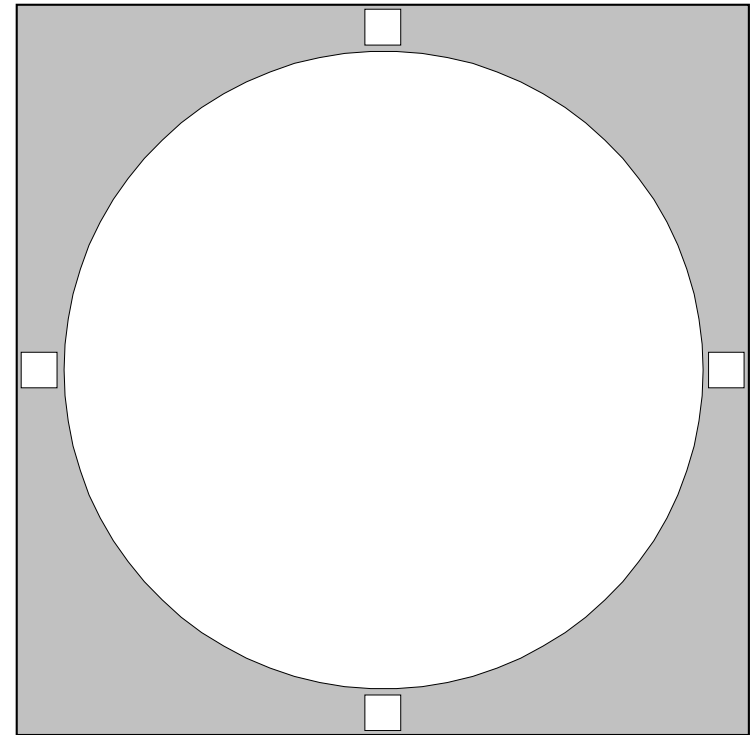


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 94

NGC Number	6712		
Constellation	Scutum		
Type	GC		
Visual Magnitude**	8.2		
Size	Distance	7.2'	25,000 ly
RA (Epoch 2000.0)	18:53.1		
Dec (Epoch 2000.0)	-08:42		
UM I	UM II	295, 296	125, A14
Sky Atlas 2000	15, 16		
Season	Summer		
Remarks***	small globular; look for IC 1295 in field		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

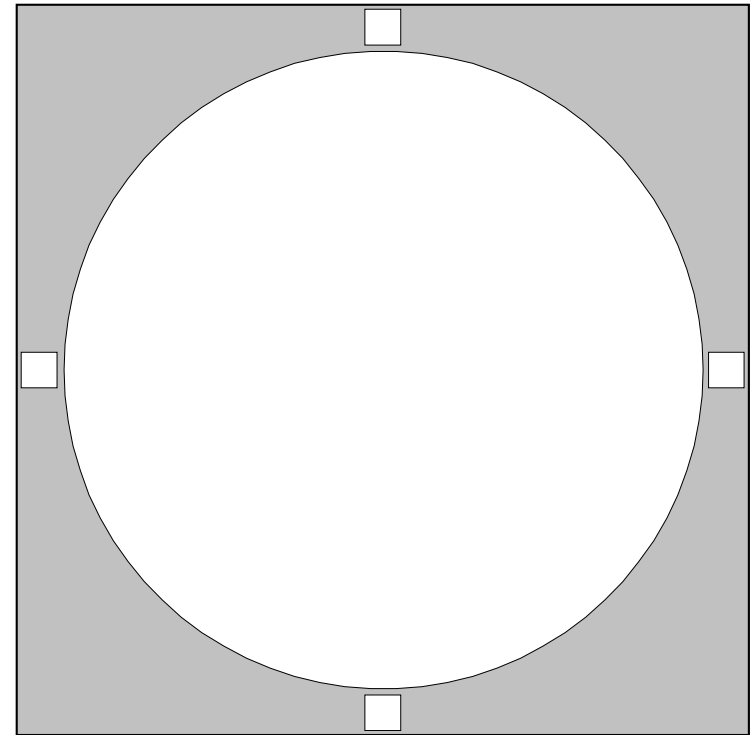
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 95

NGC Number	6781		
Constellation	Aquila		
Type	PN		
Visual Magnitude**	11.4		
Size	Distance	>1' 49"	2,600 ly
RA (Epoch 2000.0)	19:18.4		
Dec (Epoch 2000.0)	+06:33		
UM I	UM II	206	85
Sky Atlas 2000	16		
Season	Summer		
Remarks***	pale version of the Owl Nebula M97		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

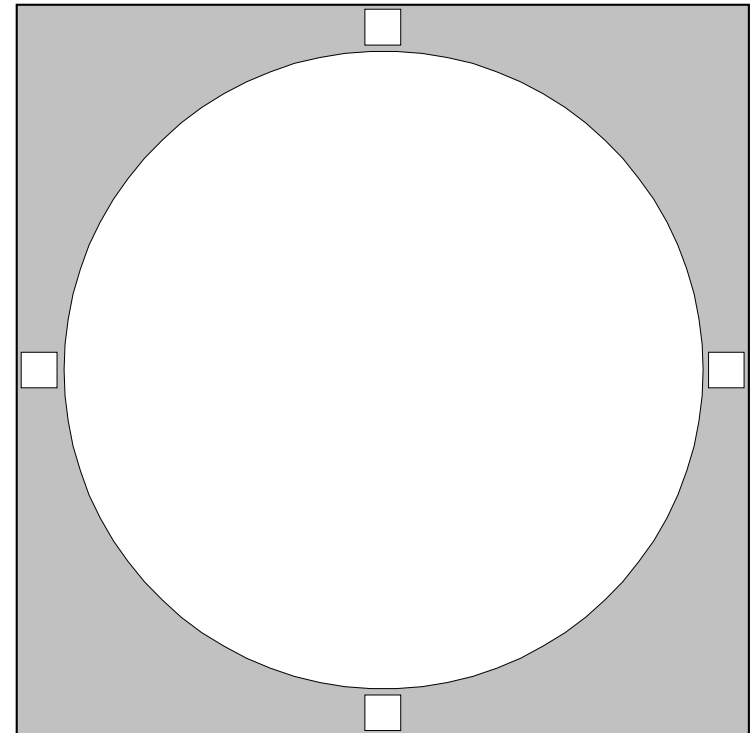


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 96

NGC Number	6819		
Constellation	Cygnus		
Type	OC		
Visual Magnitude**	7.3		
Size	Distance	9.5'	7,200 ly
RA (Epoch 2000.0)	19:41.3		
Dec (Epoch 2000.0)	+40:11		
UM I	UM II	84	33, 48
Sky Atlas 2000	8, 9		
Season	Summer		
Remarks***	150*; faint but rich cluster in Milky Way		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

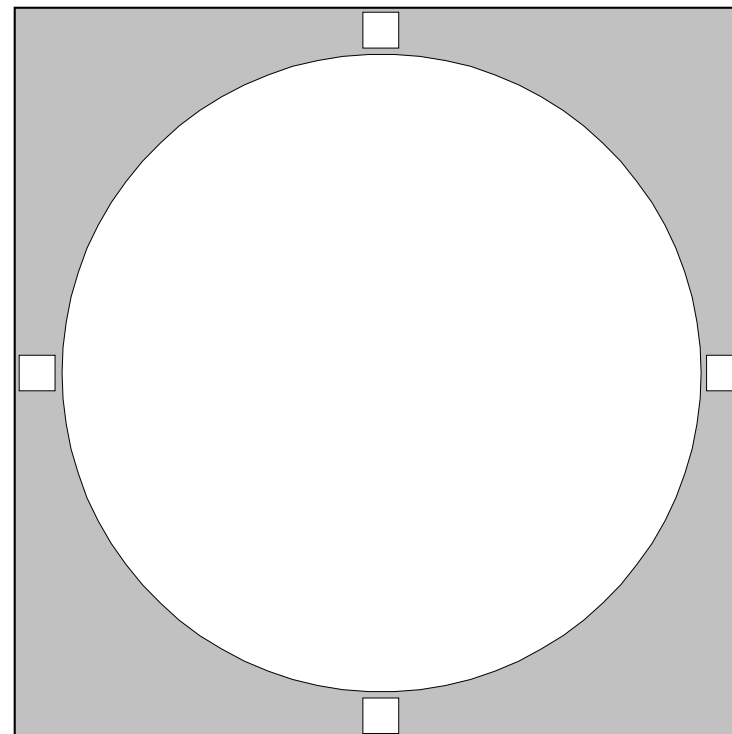
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 97
Blinking Planetary Nebula

NGC Number	6826		
Constellation	Cygnus		
Type	PN		
Visual Magnitude**	8.8		
Size	Distance	>25"	3,300 ly
RA (Epoch 2000.0)	19:44.8		
Dec (Epoch 2000.0)	+50:31		
UM I	UM II	55, 84	33
Sky Atlas 2000	3, 8, 9		
Season	Summer		
Remarks***	!! Blinking Planetary; 10.6 magnitude central star		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

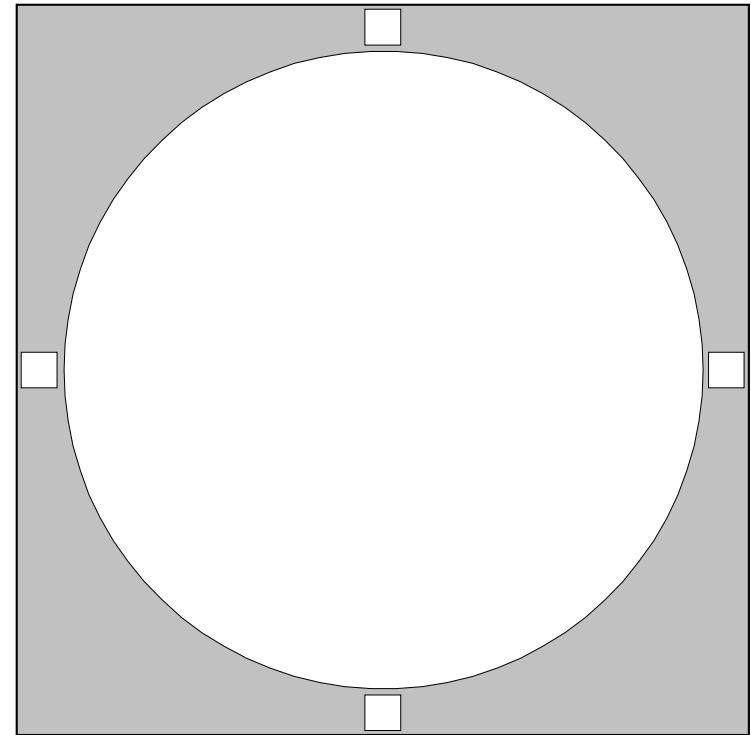
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 98
Crescent Nebula

NGC Number	6888		
Constellation	Cygnus		
Type	EN		
Visual Magnitude**	na		
Size	Distance	18.0' x 13.0'	n/a
RASC (Epoch 2000.0)	20:12.0		
Dec (Epoch 2000.0)	+38:21		
UM I	UM II	84, 119	48, A2
Sky Atlas 2000	8, 9		
Season	Summer		
Remarks***	Crescent Nebula; faint; use nebular filter		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



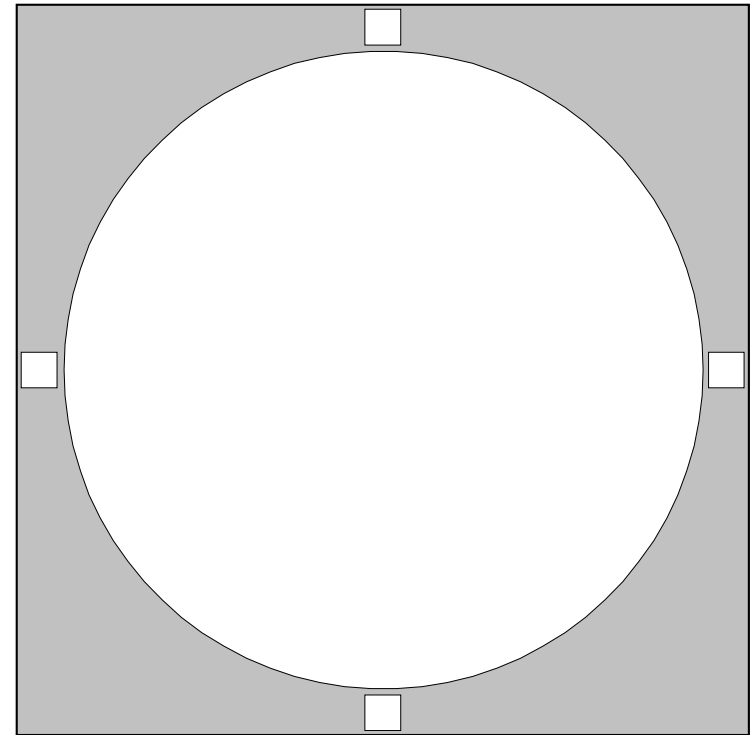
Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 99a

Veil Nebula

NGC Number	6960a		
Constellation	Cygnus		
Type	SNR		
Visual Magnitude**	na		
Size	Distance	70.0' x 6.0'	1,300 ly
RA (Epoch 2000.0)	20:45.7		
Dec (Epoch 2000.0)	+30:43		
UM I	UM II	120	47
Sky Atlas 2000	9		
Season	Summer		
Remarks***	!! Veil Nebula: west half; use filter !		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

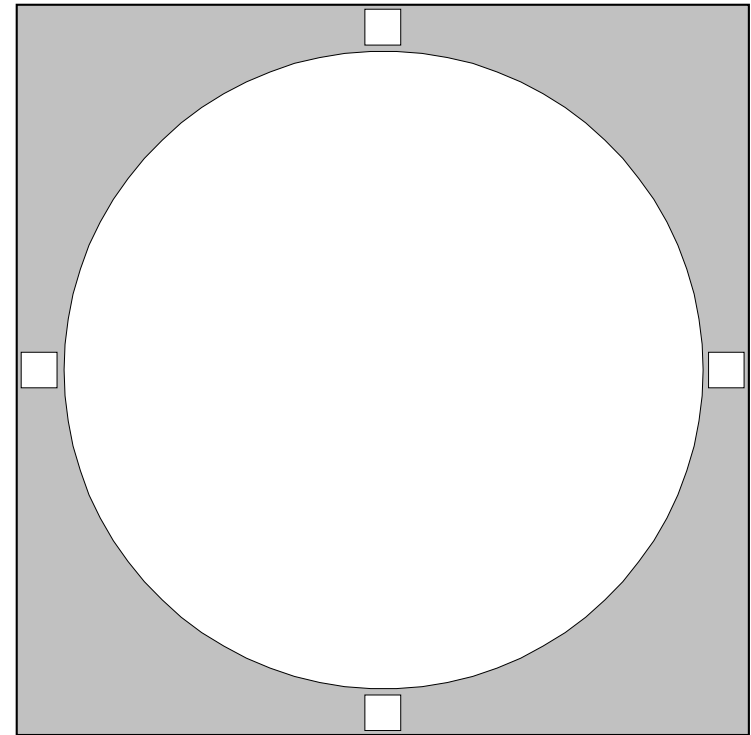
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

Veil Nebula

NGC Number	6992/5b		
Constellation	Cygnus		
Type	SNR		
Visual Magnitude**	na		
Size	Distance	72.0' x 8.0'	1,300 ly
RA (Epoch 2000.0)	20:56.4		
Dec (Epoch 2000.0)	+31:43		
UM I	UM II	120, 121	47
Sky Atlas 2000	9		
Season	Summer		
Remarks***	!! Veil Nebula: east half; use filter !		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

**Notes**

PN: Planetary Nebula

SNR: Supernova Remnant

GC: Globular Cluster

OC: Open Cluster

RN: (diffuse) Reflection Nebula

EN: (diffuse) Emission Nebula

G-: Galaxy, with Hubble type given

E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor

Transparency: 1 = Best 5 = Poor

Time: DD:MM:YYYY

Date: Specify Time Zone or UT

* = Number of stars in cluster

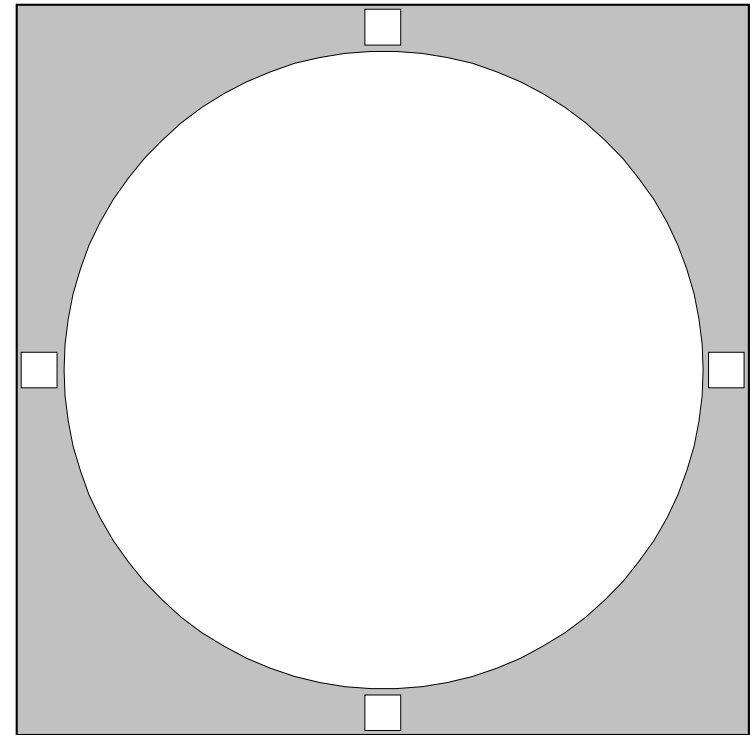
** p = Photographic Magnitude

*** !! = Showpiece Object

<http://www.rasc.ca>

RASC Finest NGC - 100
North America Nebula

NGC Number	7000		
Constellation	Cygnus		
Type	EN		
Visual Magnitude**	na		
Size	Distance	120.0' x 100.0'	1,600 ly
RA (Epoch 2000.0)	20:58.8		
Dec (Epoch 2000.0)	+44:20		
UM I	UM II	85	32, A1
Sky Atlas 2000	9		
Season	Summer		
Remarks***	!! North America Nebula; use filter & low power		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

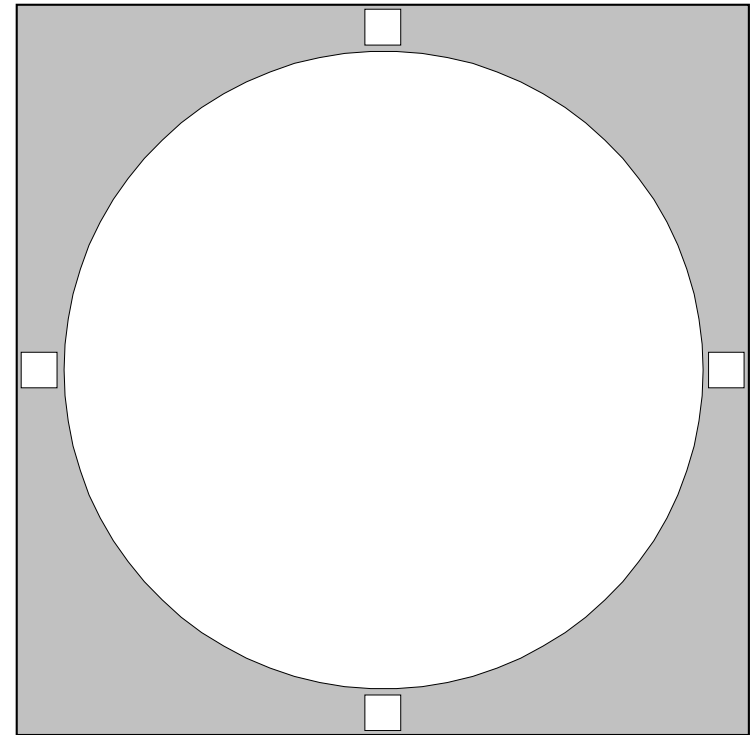
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 101

NGC Number	7027		
Constellation	Cygnus		
Type	PN		
Visual Magnitude**	8.5		
Size	Distance	15"	3,600 ly
RA (Epoch 2000.0)	21:07.1		
Dec (Epoch 2000.0)	+42:14		
UM I	UM II	85	32, A1
Sky Atlas 2000	9		
Season	Summer		
Remarks***	unusual protoplanetary nebula		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

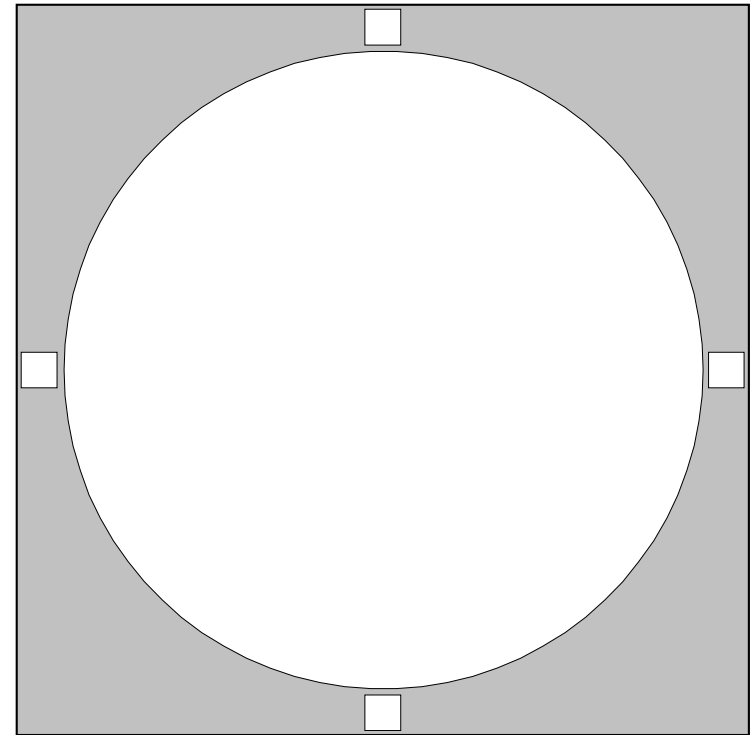


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 102

NGC Number	6445		
Constellation	Sagittarius		
Type	PN		
Visual Magnitude**	11.2		
Size	Distance	>34"	4,600 ly
RA (Epoch 2000.0)	17:49.2		
Dec (Epoch 2000.0)	-20:01		
UM I	UM II	338, 339	146
Sky Atlas 2000	15, 22		
Season	Summer		
Remarks***	small, bright and annular; near M23		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

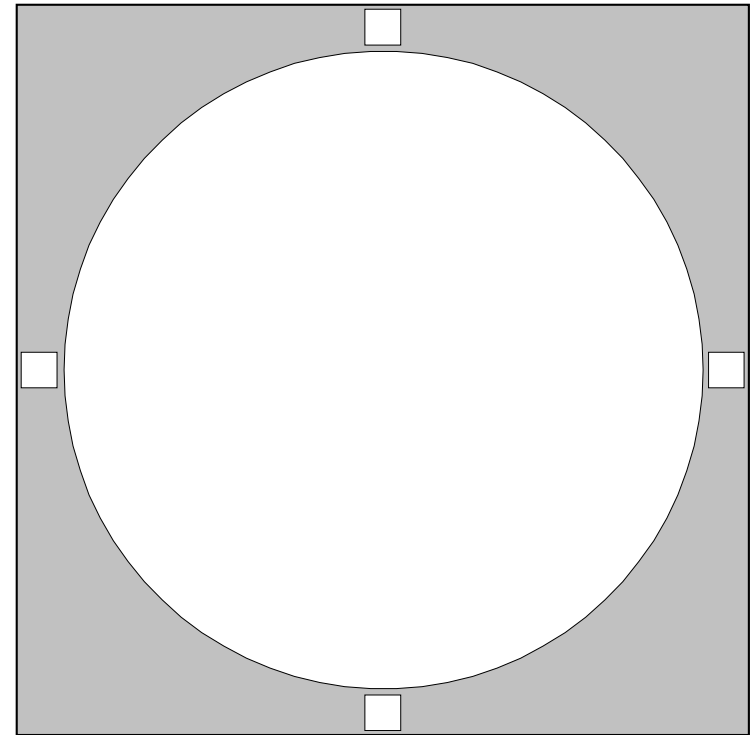
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 103

NGC Number	6520		
Constellation	Sagittarius		
Type	OC		
Visual Magnitude**	7.6p		
Size	Distance	6.0'	5,400 ly
RA (Epoch 2000.0)	18:03.4		
Dec (Epoch 2000.0)	-27:54		
UM I	UM II	339, 377	145, 146
Sky Atlas 2000	22		
Season	Summer		
Remarks***	60*; small; dark nebula. B86 in same field		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

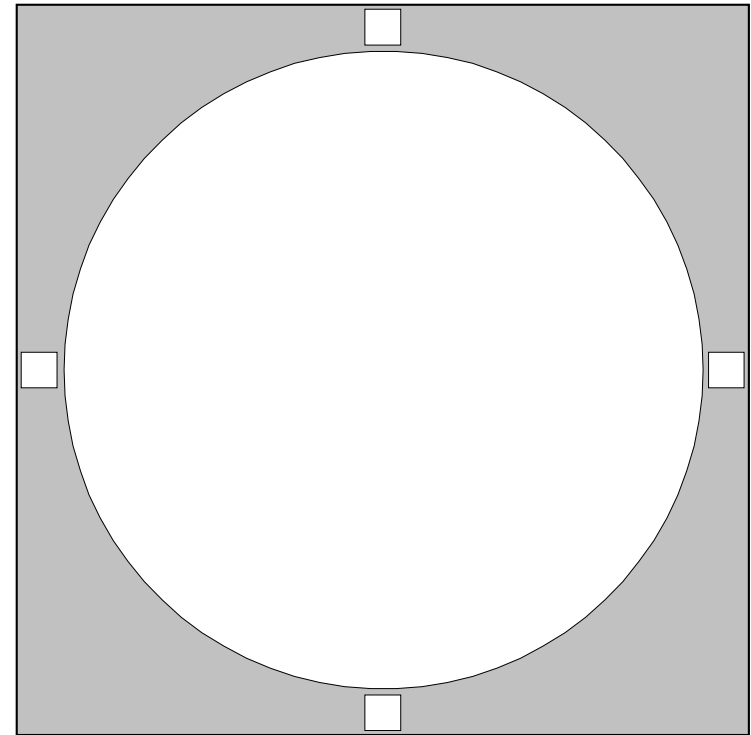
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 104
Little Gem Nebula

NGC Number	6818		
Constellation	Sagittarius		
Type	PN		
Visual Magnitude**	9.3		
Size	Distance	<17"	5,000 ly
RA (Epoch 2000.0)	19:44.0		
Dec (Epoch 2000.0)	-14:09		
UM I	UM II	297	125
Sky Atlas 2000	16, 22		
Season	Summer		
Remarks***	"Little Gem"; annular; NGC 6822 0.75 degrees south		
Date	Time		
Seeing	1	2	3 4 5
Transparency	1	2	3 4 5
Telescope			
Eyepiece	Magnification		
Observing Location			

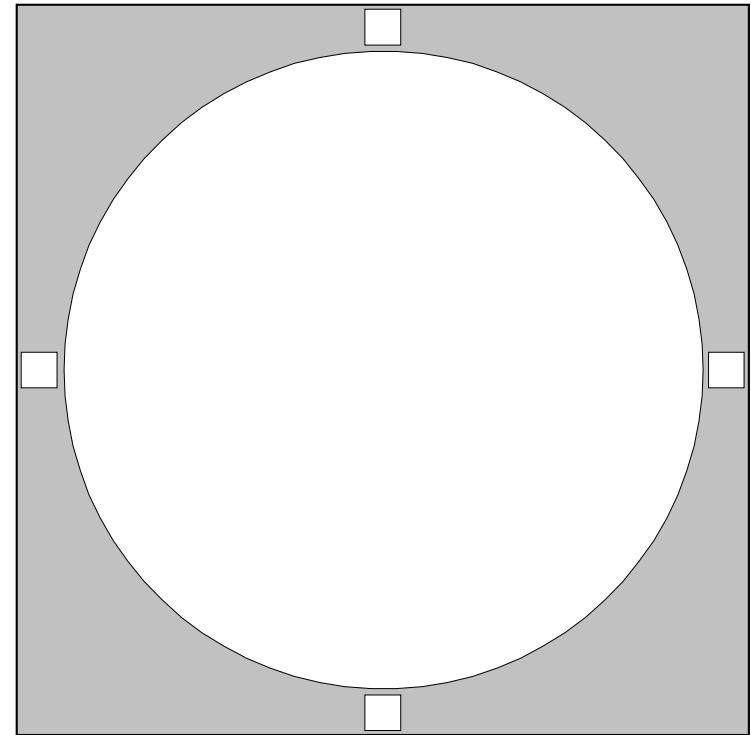


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 105

NGC Number	6802		
Constellation	Vulpecula		
Type	OC		
Visual Magnitude**	8.8		
Size	Distance	3.2'	3,200 ly
RA (Epoch 2000.0)	19:30.6		
Dec (Epoch 2000.0)	+20:16		
UM I	UM II	161, 162	66
Sky Atlas 2000	8, 16		
Season	Summer		
Remarks***	50*; at east end of Brocchi's cluster Cr 399		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

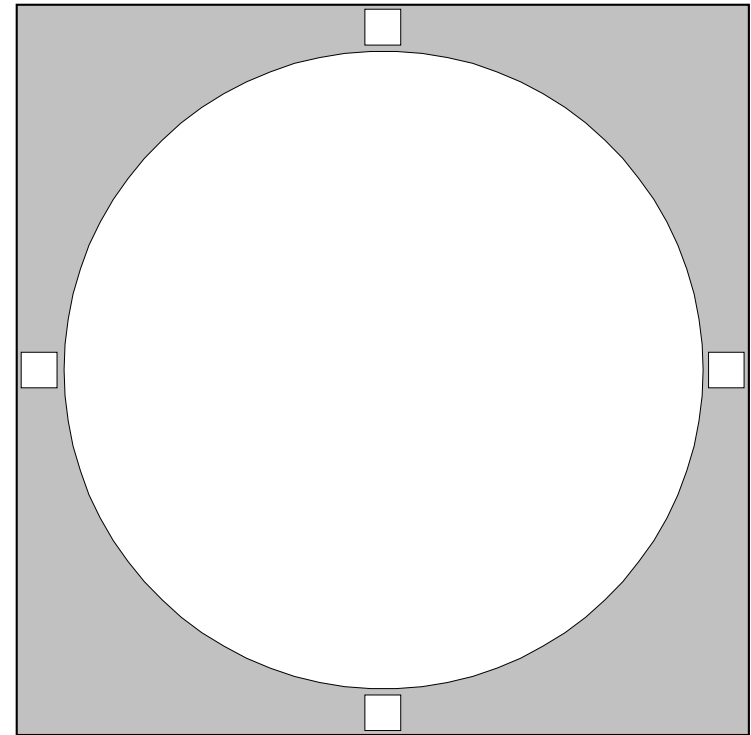


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 106

NGC Number	6940		
Constellation	Vulpecula		
Type	OC		
Visual Magnitude**	6.3		
Size	Distance	31'	2,600 ly
RA (Epoch 2000.0)	20:34.6		
Dec (Epoch 2000.0)	+28:18		
UM I	UM II	120, 163, 164	66
Sky Atlas 2000	9		
Season	Summer		
Remarks***	60*; fairly rich cluster in Milky Way		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			

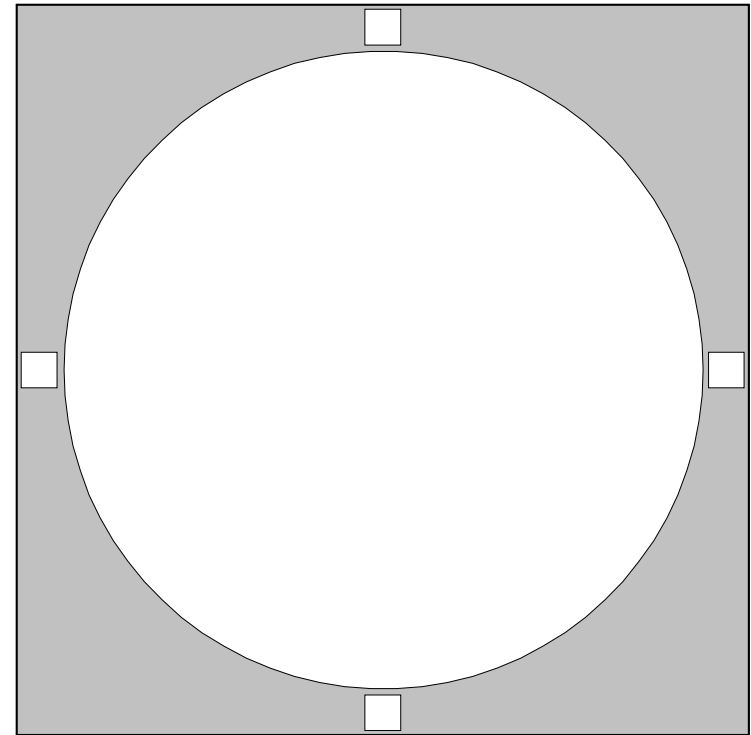


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 107

NGC Number	6939		
Constellation	Cepheus		
Type	OC		
Visual Magnitude**	7.8		
Size	Distance	7.0'	4,000 ly
RA (Epoch 2000.0)	20:31.4		
Dec (Epoch 2000.0)	+60:38		
UM I	UM II	32, 55, 56	20
Sky Atlas 2000	3		
Season	Summer		
Remarks***	80*; very rich; NGC 6946 in same field		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			

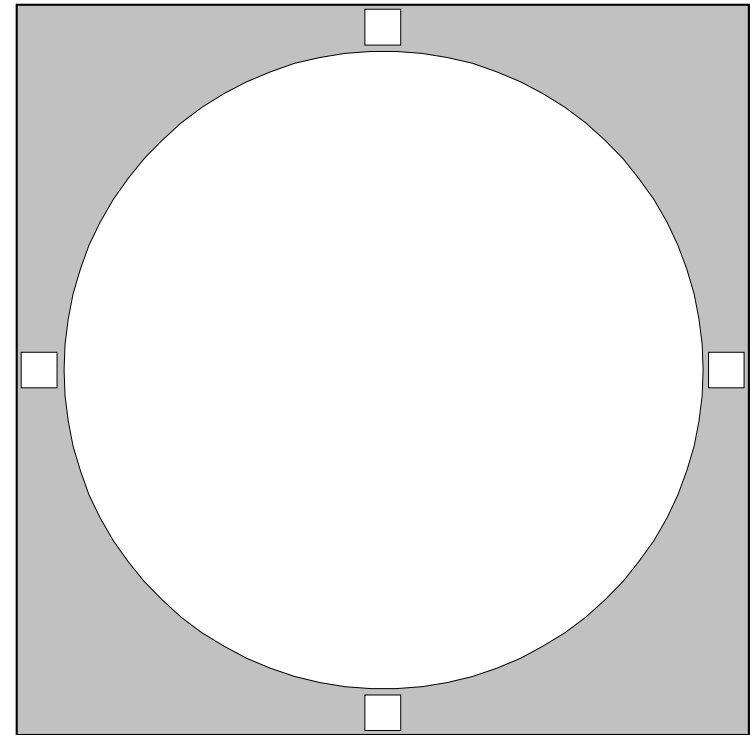


Notes

PN: Planetary Nebula	RN: (diffuse) Reflection Nebula	Seeing: 1 = Best 5 = Poor	* = Number of stars in cluster
SNR: Supernova Remnant	EN: (diffuse) Emission Nebula	Transparency: 1 = Best 5 = Poor	** p = Photographic Magnitude
GC: Globular Cluster	G-: Galaxy, with Hubble type given	Time: DD:MM:YYYY	*** !! = Showpiece Object
OC: Open Cluster	E/RN: Diffuse emission and reflection Nebula	Date: Specify Time Zone or UT	http://www.rasc.ca

RASC Finest NGC - 108

NGC Number	6946		
Constellation	Cepheus		
Type	G-SABcd		
Visual Magnitude**	8.8		
Size	Distance	13.0' x 13.0'	15 million ly
RA (Epoch 2000.0)	20:34.8		
Dec (Epoch 2000.0)	+60:09		
UM I	UM II	32, 56	20
Sky Atlas 2000	3		
Season	Summer		
Remarks***	faint, diffuse face-on spiral near 6939		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula

RN: (diffuse) Reflection Nebula

Seeing: 1 = Best 5 = Poor

* = Number of stars in cluster

SNR: Supernova Remnant

EN: (diffuse) Emission Nebula

Transparency: 1 = Best 5 = Poor

** p = Photographic Magnitude

GC: Globular Cluster

G-: Galaxy, with Hubble type given

Time: DD:MM:YYYY

*** !! = Showpiece Object

OC: Open Cluster

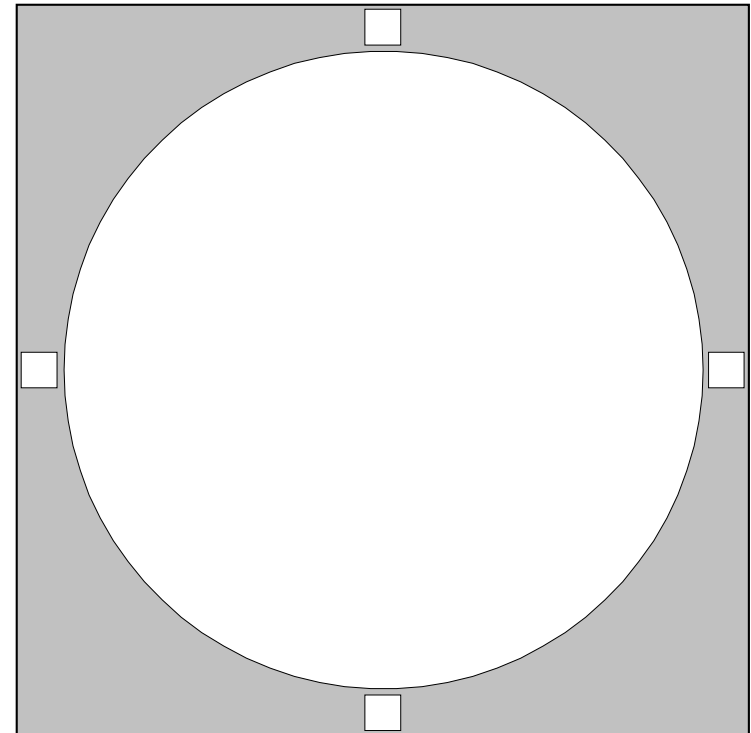
E/RN: Diffuse emission and reflection Nebula

Date: Specify Time Zone or UT

<http://www.rasc.ca>

RASC Finest NGC - 109

NGC Number	7129		
Constellation	Cepheus		
Type	RN		
Visual Magnitude**	11.5p		
Size	Distance	7.0' x 7.0'	n/a
RA (Epoch 2000.0)	21:42.8		
Dec (Epoch 2000.0)	+66:06		
UM I	UM II	33	9
Sky Atlas 2000	3		
Season	Summer		
Remarks***	faint reflection neb. around sparse cluster		
Date	Time		
	Seeing	1 2 3 4 5	
	Transparency	1 2 3 4 5	
	Telescope		
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

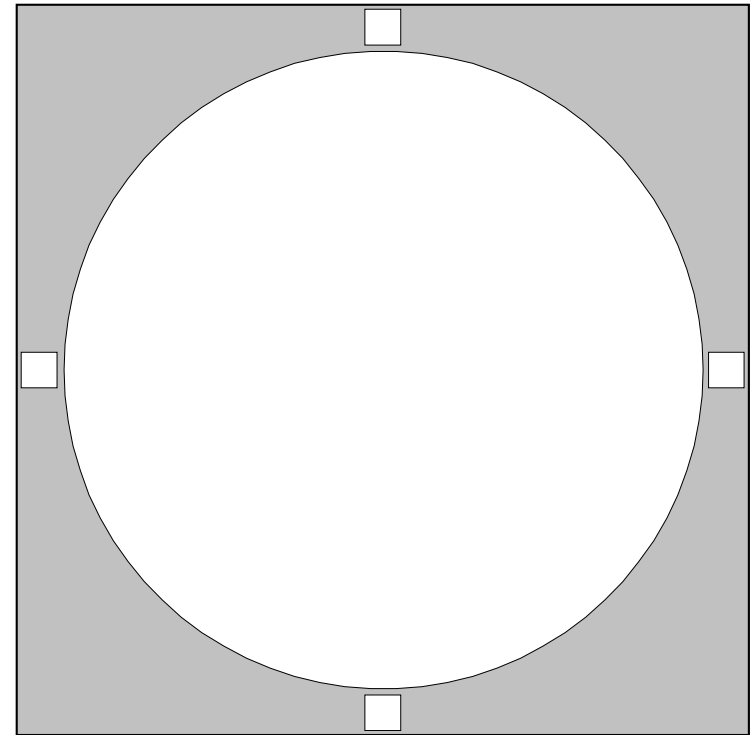
RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>

RASC Finest NGC - 110

NGC Number	40		
Constellation	Cepheus		
Type	PN		
Visual Magnitude**	12.4		
Size	Distance	> 37"	2,900 ly
RA (Epoch 2000.0)	00:13.0		
Dec (Epoch 2000.0)	+72:32		
UM I	UM II	3, 15	8
Sky Atlas 2000	1, 3		
Season	Summer		
Remarks***	unusual red planetary; 11.6 magnitude central star		
Date	Time		
Seeing	1 2 3 4 5		
Transparency	1 2 3 4 5		
Telescope			
Eyepiece	Magnification		
Observing Location			



Notes

PN: Planetary Nebula
 SNR: Supernova Remnant
 GC: Globular Cluster
 OC: Open Cluster

RN: (diffuse) Reflection Nebula
 EN: (diffuse) Emission Nebula
 G-: Galaxy, with Hubble type given
 E/RN: Diffuse emission and reflection Nebula

Seeing: 1 = Best 5 = Poor
 Transparency: 1 = Best 5 = Poor
 Time: DD:MM:YYYY
 Date: Specify Time Zone or UT

* = Number of stars in cluster
 ** p = Photographic Magnitude
 *** !! = Showpiece Object
<http://www.rasc.ca>