

Physics 157 – Spring Sky 12H – 14H R.A.

Open Clusters

		(2000)	Diameter	m_v (integrated)
Praesepe M44	NGC 2632 (Cancer)	8H 40.1M +19° 59'	95'	3.1
*M67	NGC 2682	8H 50.4M +11° 49'	29'	6.9 (March 9 p.m.)
M11	NGC6705	18H 51.1M -06° 16'	13'	5.8 (May 3 a.m.)

Galaxies (spirals)

M81	NGC 3031	9H 55.6M +69° 04'	24' x 13'	6.9
M82	NGC3034	9H 55.8M +69° 41'	12' x 6'	8.4
M101	NGC 5457	14H 03.2M +54° 21'	26' x 26'	7.9
M51	NGC 5194/95	13H 29.9M +47° 12'	8' x 7'	8.4
M106	NGC4258	12H 19.0M +47°18'	20' x 8'	8.4

Galaxies (elliptical)

M49	NGC4472	12H 29.8M +08° 00'	8.1 x 7.1	8.4
M87	NGC4486	12H 30.8M +12° 24'	7.1' x 7.1'	8.6

Globular Clusters

M53	NGC5024	13H 12.9M +18 10'	12.6'	7.5
M3	NGC5272	13H 42.2M +28° 23'	16.2'	5.9
M5	NGC5904	15H 18.6M +02° 05'	17.4'	5.7
M13	NGC6205	16H 41.7M +36° 28'	16.6'	5.7
M92	NGC6341	17H 17.1M +43° 08'	11.2'	6.4

Planetary Nebulae (March or late May best)

NGC 2371/2	7H 25.6M	+29° 29'	>55"	11.3
NGC 2392	7H 29.2M	+20° 55'	>15"	9.2
NGC 6369	17H 29.3M	-23° 46'	>30"	11.4
NGC6543	17H 58.6M	+66° 38'	>18"	8.1

Compare to Ring Nebula:

M57	NGC6720	18H 53.6M	+33° 02'	>71"	8.8
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Celestron 14:

Scale 0.37 deg/inch = 52"/mm

24 micron pixels = 1.25 "

20 micron pixels = 1"

1024 x 1024 (24 micron pix) array = 17' x 17'

512 x 512 array (20 micron pix) = 8.5' x 8.5'