

## DAILY DOZEN I: Globulars Galore

Object	RA	DEC	Mag.	Const.	Observed Date/Time
<b>BASIC:</b>					
M5	15 18 33.8	02 04 58	5.8	Serpens	
M56	19 16 35.5	30 11 05	8.3	Lyra	
M2	21 33 29.3	-00 49 23	6.5	Aquarius	
M12	16 47 14.5	-01 56 52	6.7	Ophiuchus	
M71	19 53 46.1	18 46 42	8.3	Sagitta	
NGC288	00 52 47.5	-26 35 24	8.1	Sculptor	
<b>ADVANCED:</b>					
NGC6229	16 46 58.9	47 31 40	9.4	Hercules	
Terzan5	17 48 04.9	-24 48 45	13.8	Sagittarius	
PAL 5	15 16 05.3	-00 06 41	11.8	Serpens	
NGC7006	21 01 29.3	16 11 16	10.6	Delphinus	
PAL 13	23 06 44.4	12 46 19	13.8	Pegasus	
NGC2419	07 38 08.4	38 52 53	10.4	Lynx	

- Observe and record either all six Basic or all six Advanced objects
- Advanced observers may substitute all six basic objects for any one advanced object
- For fun only, and NO pins or Certificates will be awarded.
- No go-to

## DAILY DOZEN II: Planetary Nebulae

Object	RA	DEC	Mag.	Const.	Observed Date/Time
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### BASIC:

NGC6543	17 58 33.37	66 37 59.1	8.1	Draco	
NGC6826	19 44 48.17	50 31 30.4	8.8	Cygnus	
M76	1 42 18.1	51 34 16	10.1	Perseus	
NGC6818	19 43 57.76	-14 09 11.4	9.3	Sagittarius	
NGC6309	17 14 4.33	-12 54 38.5	11.5	Ophiuchus	
M57	18 53 35.09	33 01 44.5	8.8	Lyra	

### ADVANCED:

NGC6537	18 05 13.04	-19 50 34.2	12	Sagittarius	
NGC6905	20 22 23.02	20 6 16.4	11.1	Delphinus	
NGC7139	21 46 8.7	63 47 30	13.3	Cepheus	
IC289	3 10 19.2	61 19 1	13.3	Casseopeia	
Abell 70	20 31 35	-7 5 12	14.7	Aquarius	
NGC1360	3 33 14.63	-25 52 18.6	10.5	Fornax	

### BONUS OBJECT:

Pease1 (in M15) 21 30 12 10 15.1 Pegasus  
(If logged may count for any two of the Advanced objects above)

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- For fun only, and NO pins or Certificates will be awarded.
- No go-to

## DAILY DOZEN III: Galaxies

Object	RA	DEC	Mag.	Const.	Observed Date/Time
<b>BASIC:</b>					
M33	1 33	30 39	5.7	Triangulum	
M110	0 40.4	41 41	8.1	Andromeda	
NGC1023	2 40.4	39 4	9.4	Perseus	
NGC253	00 47	-25 17	7.1	Sculptor	
M81	09 55	69 03	6.8	Ursa Major	
M31	00 42 44.3	41 16 06	3.4	Andromeda	

### ADVANCED:

NGC1129	2 54.5	41 35	12.5	Perseus	
NGC4331	12 22.6	76 10	14.5	Draco	
NGC1165	2 58	-32 6	12.7	Fornax	
NGC6764	19 8	50 56	11.9	Cygnus	
IC1919	03 26	-32 54	13.9	Fornax	
NGC2382	7 23	-27 32	12.3	Taurus	

### BONUS OBJECTS:

Stephan's Quintet 22 35 33 56-57 13.2up Pegasus  
(Log all five components and substitute for any two of Advanced objects above)

- Observe and record either all six Basic or all six Advanced objects
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- For fun only, and NO pins or Certificates will be awarded.
- No go-to

## DAILY DOZEN IV: Miscellaneous Delights

Object	RA	DEC	Mag.	Const.	Observed Date/Time
<b>BASIC:</b>					
NGC869/884	02 19 03.8	57 08 06	5.3/8/1	Perseus	
M27	19 59 36.33	22 43 16.0	7.3	Vulpecula	
M42	05 35 16.5	-05 23 23	3.7	Orion	
M20	18 02	-23 02	6.3	Sagittarius	
NGC6960	20 45	30 43	7	Cygnus	
M11	18 51 6.0	-6 16 00	5.8	Scutum	

### ADVANCED:

Your choice! Select any six objects from your favorites list which are NOT on the previous Daily Dozens. Objects must be Magnitude 12.5 or dimmer. List the object's designation, type, RA/Dec, magnitude and constellation.

- Observe and record either all six Basic or all six Advanced objects
- Advanced observers may substitute all six basic objects for any one advanced object
- For fun only, and NO pins or Certificates will be awarded.
- No go-to