

Obscure Things (Most Need Large Aperture)

NAME _____

SCOPE _____

Object	Const	RA	DEC	Mag	size	CS	Notes	Date	Time	S/T	Description
Abell 2151	HER	00 16 05.1	+17 43		137"		20 galaxies 14 to 15 mag				
NGC 595	TRI	01 33.5	+30 42		1'		A Great Diffuse Nebula in M33				
NGC 604	TRI	01 34.5	+30 48		1'		Giant diffuse nebula and star forming region in M33				
Maffei 1	CAS	02 36.3	+59 39	11.4	3.4x1.7		* Maffei Galaxy Cluster see note below				
Maffei 2	CAS	02 41.9	+59 36	16.0	5.8x1.6		* Maffei Galaxy Cluster				
Dwingeloo I	CAS	02 56.9	+58 55	8.3	4.2x.34		* Maffei Galaxy Cluster				
Pal 1	CEP	03 33 23.0	+79 34 50	13.27 (Central)	1'		Globular Cluster				
IC 342	CAM	03 46 48.0	+68 06	9.1	21.4x20.9		* Maffei Galaxy Cluster A Caldwell Object				
NGC2655	CAM	08 55 38.7	+78 13 07	10.1	4.9x4.1						
Arp 2	SAG	12 28 44.1	-30 21 14	15.32 (Central)	25'		Globular Cluster				
Terzan 7	SAG	19 17 43.7	-34 39 27	11.76 (Central)	15'		Globular Cluster				
PK64+5.1	CYG	19 34 45.6	+30 30 36	9.6 P	7.51"	12.5	Campbell's hydrogen star				
PK80-6.1	CYG	21 02 18.6	+36 41 35	13.5 P	16.0"		The Egg Nebula				
Pal 12	CAP	21 46 38.8	-21 15 03	11.7 (Central)	3.5'		Globular Cluster				
NGC 7317-7320	PEG	22 36 00.0	+33 58				Stephen's Quintet				

* The Maffei 1 galaxy cluster probably once formed a sub group of our Local Group which were ejected because of a violent encounter with M31. They have since moved away to a distance of about 10 million light years. As the Maffei 1 group lies very close to the Galactic plane, it is highly obscured by the dark dusty matter of our Milky Way. Only one of them, IC 342, has an IC number and none is in the NGC.

This could test your observing skills to the utmost. You may use any method at your disposal to locate these objects. Certificates will be given stating the number of objects observed. The person(s) with the most observed will be entered in the observing award contest.