

2025 ASP25 Scavenger Hunt

Looking for a list of observing targets? Try out the ASP25 Scavenger Hunt! Try to locate and observe as many of the following 25 objects in the sky as you can. Many can be detected in binoculars and all of them look great even in small scopes.

Feel free to work in groups and don't be afraid to ask more experienced observers nearby for help in locating or confirming objects on the list. All of the objects will appear in even basic star atlases.

Done	Object	Type	Con	Mag	Size/Sep	RA	Dec	Difficulty	Notes
___	M17 Swan nebula	EN+OC	SGR	6.0B	20' x 15'	18:20:48	-16:11:00	1	Very nice nebula (& try a filter!)
___	M8 Lagoon Nebula	EN+OC	SGR	5	80' x 40'	18:03:41	-24:22:49	1	Large bright emission nebula
___	M20 Trifid Nebula	E/RN	SGR	6.3	20	18:02:23	-23:01:48	1	Emission and reflection nebula
___	M22	GC	SGR	5.2	32'	18:36:24	-23:54:10	1	Loose globular, easy in bins
___	M28	GC	SGR	6.9	13.8'	18:24:33	-24:52:10	2	Tougher, but not too hard to find
___	M11 Wild Duck cluster	OC	SCT	5.8	11'	18:51:06	-03:14:46	1	Very nice fan-shaped cluster
___	M26	OC	SCT	8	14'	6:45 PM	-09:24:00	1	Near M11, often overlooked cluster
___	M13	GC	HER	5.8	20'	16:41:42	36:27:39	1	Fine globular cluster
___	M92	GC	HER	6.5	14'	17:17:07	43:08:13	1	Compact, fairly bright globular
___	Nu Draconis	DS	DRA	4.9,4.9	62"	17:32:11	55:11:03	1	Like cat's eyes in steady 10x bins
___	M56	GC	LYR	8.3	7.1'	7:16 PM	6:11 AM	2	Small, between Albireo and gamma Lyrae
___	M57 Ring Nebula	PN	LYR	8.8	71"	18:53:55	33:01:45	1	Fuzzy smoke ring
___	Double Double	DS x 2	LYR	(4.7,6.2),(5.1,5.5)	2.6" / 2.3 "	6:44 PM	3:38 PM	2	Use power to split small doubles
___	61 Cyg	DS	CYG	5.2,6.0	28"	21:06:55	38:44:45	3	Tough in bins, orange stars
___	M81/M82	GX x 2	UMA	7		09:55:33	69:04:02	2	One face-on and one edge-on galaxy
___	M51 Whirlpool galaxy	GX	CVN	8.4	8' x 7'	1:29 PM	11:12 PM	2	Bright core,NGC5194 core nearby
___	M27 Dumbbell nebula	PN	VUL	7.4	6.7'	19:59:36	22:43:18	1	Fairly bright planetary nebula
___	Kemles Cascade	OC	CAM	4	180'	03:58:00	63:06:00	2	Large, nice chain of stars
___	NGC1502	OC	CAM	6.9	20'	04:07:49	62:19:54	2	Small cluster at bottom of Kemble's Cascade
___	M103	OC	CAS	7.4	6'	1:33 AM	12:42 PM	1	Small compact cluster, elongated
___	869/884 Double Cluster	OC	PER	5.3	55'	02:21:00	57:08:00	1	Large, use wide field or bins
___	M76 Little Dumbbell	PN	PER	10.1	65"	2:42 AM	6:47 PM	2	Small, two fuzzy lobes
___	M31 Andromeda Galaxy	GX	AND	3.5	189' x 62'	00:42:44	42:16:08	1	Look for M32 and M110 nearby
___	M2	GC	AQR	6.4	12.9'	21:33:27	-00:49:24	2	Another nice globular
___	NGC7293 Helix Nebula	PN	AQR	7.3	>769"	22:29:36	-20:48:00	3	Large and diffuse, use filters

Types: DS = Double Star, GC = Globular Cluster, OC = Open Cluster, EN = Emission Nebula, RN = Reflection Nebula, GX = Galaxy