

## 2009 OSP LEVEL 1 Observing List

### ESSENCE OF OSP

You are required to observe and record at least 25 of the 30 objects. You must manually control the instrument you are using. You may gain assistance in locating the object on star charts or through someone else's scope, but you should position the scope on the object yourself.

Looking through someone else's scope, who already has the object sighted in, is not acceptable.

	Object	R.A.	Dec	Type	Const	Common Name
1	M2	21.33.5	-0.49	GC	Aqr	
2	M4	16.23.6	-26.31	GC	Sco	
3	M8	18.03.7	24.23	OC	Sgr	Lagoon Nebula
4	M11	18.51.1	-6.16	OC	Sct	Wild Duck Cluster
5	M13	16.41.7	36.28	GC	Her	Hercules Cluster
6	M17	18.20.8	-16.10	OC	Sgr	Omega Nebula
7	M20	18.02.4	-23.2	OC	Sgr	Trifid Nebula
8	M33	1.33.8	30.39	Gal	Tri	Pinwheel Galaxy
9	M34	2.42.0	42.47	OC	Per	
10	M45	3.47.5	24.07	OC	Tau	Pleiades
11	M55	19.40.0	30.58	GC	Sgr	
12	M56	19.16.6	30.11	GC	Lyr	
13	M57	18.53.0	33.2	PN	Lyr	Ring Nebula
14	M63	13.15.8	42.02	Gal	CVn	Sunflower Galaxy
15	M71	19.53.7	18.47	GC	Sge	
16	M72	20.53.5	-12.32	GC	Aqr	
17	M74	1.36.7	15.47	Gal	Psc	
18	M76	1.42.2	51.34	PN	Per	Little Dumbbell
19	M92	17.17.1	43.08	GC	Her	
20	M97	11.14.9	55.01	Gal	UMa	Owl Nebula
21	Jupiter	Major Planet			Cap	
22	Uranus	Major Planet			Psc	
Multiple Stars		R.A.	DEC	Description		
23	Mizar/Alcor	13.24	54.56	4 Stars to Observe		
24	Epsilon Lyra	18.44.3	39.40	The Famous Double Double		
25	Gamma Andromeda	2.03	42.19	Double Star		
26	Iota Triangulum	2.12.4	30.18	Double Star		
27	Mu Boo	15.24.5	37.23	Triple Star, Tight Pair		
Sketch a Stick Figure of the Listed Constellations Using at Least 4 Stars						
28	Sagitta					
29	Cepheus					
30	Equuleus					