

2014 NSP Binocular Messier Challenge Name _____

R.A.	Dec.	Mag.	Typ	Con	Size	M#	Degree of Difficulty	Date and time Observed	Transparency/Seeing	Description
0 42.8	41 16	4.5	Gal	And	178'	031	E			
0 42.8	40 52	10.0	Gal	And	8'X6'	032	C			
21 33.5	-0 49	7.5	GC	Aqr	12.9'	002	E			
5 36.1	34 8	6.5	OCl	Aur	12.0'	036	E			
5 52.4	32 33	6.0	OCl	Aur	24.0'	037	E			
5 28.7	35 50	7.0	OCl	Aur	21.0'	038	E			
21 40.4	-23 11	8.5	GC	Cap	11.0'	030	T			
23 24.2	61 35	8.0	OCl	Cas	13.0'	052	E			
1 33.2	60 42	7.0	OCl	Cas	6.0'	103	E			
20 23.9	38 32	9.0	OCl	Cyg	7.0'	029	E			
21 32.2	48 26	5.5	OCl	Cyg	32.0'	039	E			
16 41.7	36 28	7.0	GC	Her	16.6'	013	E			
17 17.1	43 8	7.5	GC	Her	11.2'	092	E			
13 37.1	-29 52	8.5	Gal	Hya	11'X10'	083	T			
17 19.2	-18 31	9.0	GC	Oph	9.3'	009	C			
16 57.1	-4 6	7.5	GC	Oph	15.1'	010	E			
16 47.2	-1 57	8.0	GC	Oph	14.5'	012	E			
17 37.6	-3 15	9.5	GC	Oph	11.7'	014	T			
17 2.6	-26 16	8.5	GC	Oph	13.5'	019	T			
17 1.2	-30 7	8.0	GC	Oph	14.1'	062	T			
21 30.0	12 10	7.5	GC	Peg	12.3'	015	E			

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2 42.0	42 47	6.0	OCl	Per	35.0'	034	E			
16 23.6	-26 32	7.5	GC	Sco	26.3'	004	E			
17 40.1	-32 13	4.5	OCl	Sco	15.0'	006	E			
17 53.9	-34 49	3.5	OCl	Sco	80.0'	007	E			
16 17.0	-22 59	8.5	GC	Sco	8.9'	080	T			
18 51.1	-6 16	7.0	OCl	Sct	14.0'	011	E			
15 18.6	2 5	7.0	GC	Ser	17.4'	005	E			
18 18.8	-13 47	6.5	C/N	Ser	7.0'	016	E			
19 53.8	18 47	8.5	GC	Sge	7.2'	071	C			
18 3.1	-24 23	5.0	C/N	Sgr	60'X35'	008	E			
18 20.8	-16 11	7.0	C/N	Sgr	11.0'	017	E			
18 19.9	-17 8	8.0	OCl	Sgr	9.0'	018	E			
18 36.4	-29 54	6.5	GC	Sgr	24.0'	022	E			
17 56.8	-19 1	6.0	OCl	Sgr	27.0'	023	E			
18 28.8	-19 17	4.9	OCl	Sgr	40.0'	025	E			
18 24.5	-24 52	8.5	GC	Sgr	11.2'	028	T			
19 40.0	-30 58	7.0	GC	Sgr	19.0'	055	E			
20 6.1	-21 55	9.5	GC	Sgr	6.0'	075	C			
5 34.5	22 1	9.0	PIN	Tau	6'X4'	001	C			
3 47.0	24 7	1.4	OCl	Tau	110.0'	045	E			
19 59.6	22 43	7.5	PIN	Vul	480"X340"	027	E			

E=Easy T=Tough C= Challenge

When you complete these observations you will be almost finished with the Astronomical League Binocular Messier Program. Check it out at the League web site.