

# Tri-Valley Stargazers Summer Observing Program

Best observed June through August

These are the Summer objects, a number of Messier and NGC objects and some notable stars - Have Fun!

SUMMER								
Object	Type	Con	RA	Dec	Mag	Size	Common Name	
M5	GC	Ser	15h 18.6m	+02° 05'	5.7	17.4		
M4	GC	Sco	16h 23.6m	-26° 32'	5.8	26.3		
M13	GC	Her	16h 41.7m	+36° 28'	5.7	16.6	Great Hercules Globular	
M12	GC	Oph	16h 47.2m	-01° 57'	6.8	14.5		
NGC 6231	OC	Sco	16h 54.0m	-41° 48'	2.6	15	Northern Jewel Box	
M10	GC	Oph	16h 57.1m	-04° 06'	6.6	15.1		
M92	GC	Her	17h 17.1m	+43° 08'	6.4	11.2		
M6	OC	Sco	17h 40.1m	-32° 13'	4.2	33	Butterfly Cluster	
M7	OC	Sco	17h 53.9m	-34° 49'	3.3	80	Ptolemy's Cluster	
M23	OC	Sgr	17h 56.8m	-19° 01'	5.5	27		
NGC 6543	PN	Dra	17h 58.6m	+66° 38'	8.1	22 x 16	Cats Eye Nebula	
M20	EN+RN	Sgr	18h 02.6m	-23° 02'	9.0	20 x 20	Trifid Nebula	
M8	EN	Sgr	18h 03.8m	-24° 23'	6.0	45 x 30	Lagoon Nebula	
M21	OC	Sgr	18h 04.6m	-22° 30'	5.9	13		
M24	OC	Sgr	18h 16.5m	-18° 50'	4.6	95 x 35	Sagittarius Star Cloud	
M16	EN+OC	Ser	18h 18.6m	-13° 58'	6.4	35 x 28	Eagle Nebula	
M18	OC	Sgr	18h 19.9m	-17° 08'	6.9	10		
M17	EN	Sgr	18h 20.8m	-16° 11'	7.0	20 x 15	Omega Nebula	
M22	GC	Sgr	18h 36.4m	-23° 54'	5.1	24	Sagittarius Cluster	
M11	OC	Sct	18h 51.1m	-06° 16'	5.8	13	Wild Duck Cluster	
M57	PN	Lyr	18h 53.6m	+33° 02'	8.8	1.4 x 1.0	Ring Nebula	
Cr399	Ast	Lyr	19h 25.4m	+20° 11'	3.6	60	Coathanger	
M71	GC	Sge	19h 53.8m	+18° 47'	8.0	7.2		
M27	PN	Vul	19h 59.6m	+22° 43'	7.3	8.0 x 5.7	Dumbbell Nebula	
NGC 6960	SNR	Cyg	20h 45.7m	+30° 43'	9.9	70 x 6	Veil Nebula	
Star	Type	Con	RA	Dec	Mags	Sep	P.A.	
T Lyrae	Carbon	Lyr	18h 32.3m	+36° 59'	7.5 to 9.2			
Epsilon Lyrae	Mult	Lyr	18h 44.3m	+39° 40'	5.2, 6.1, 5.3, 5.4	2.3", 208.7", 2.4"	344°, 172°, 74°	Double Double
Beta Cygni	DbI	Cyg	19h 30.7m	+27° 58'	3.2, 4.7	34.6"	54°	Albireo
Gamma Delphinus	DbI	Del	20h 46.7m	+16° 07'	4.4, 5.0	8.9"	265°	