

Tri-Valley Stargazers Winter Observing Program

Best observed December through February

REQUIRED OBJECTS							
Object	Type	Con	RA	Dec	Mag	Size	Common Name
M45	OC	Tau	3h 47.0m	+24° 07'	1.2	110	Pleiades
M38	OC	Aur	5h 28.7m	+35° 50'	6.4	21	
M1	SNR	Tau	5h 34.5m	+22° 01'	8.4	6 x 4	Crab Nebula
M42	EN+RN	Ori	5h 35.4m	-05° 27'	4.0	65 x 60	Great Nebula in Orion
M36	OC	Aur	5h 36.1m	+34° 08'	6	12	
M37	OC	Aur	5h 52.4m	+32° 33'	5.6	20	
M35	OC	Gem	6h 08.9m	+24° 20'	5.1	28	
NGC 2264	OC	Mon	6h 41.1m	+09° 53'	3.9	20	Christmas Tree Cluster
M41	OC	CMa	6h 47.0m	-20° 44'	4.5	38	
NGC 2362	OC	CMa	7h 18.8m	-24° 57'	4.1	8	Tau CMa Cluster
M47	OC	Pup	7h 36.6m	-14° 30'	4.4	29	
M46	OC	Pup	7h 41.8m	-14° 49'	6.1	27	
M93	OC	Pup	7h 44.6m	-23° 52'	6.2	22	
M44	OC	Cnc	8h 40.1m	+19° 59'	3.1	95	Beehive Cluster
M67	OC	Cnc	8h 50.4m	+11° 49'	6.9	29	

Star		Con	RA	Dec	Mags	Sep	P.A.	
R Leporis	Carbon	Lep	04h 59.6m	-14° 48'	5.5 to 11.7			Hind's Crimson Star
Theta 1 Orionis	Mult	Ori	05h 35.3m	-05° 23'	7.1, 8.2, 5.1, 6.7	8.9", 12.7", 21.4"	31°, 132°, 96°	Trapezium
Beta Monocerotis	Mult	Mon	06h 28.8m	-07° 02'	4.6, 5.0, 5.4	7.1", 9.8"	133°, 125°	
Alpha Geminorum	Dbl	Gem	07h 34.6m	+31° 53'	1.9, 3.0	5.4"	52°	Castor
Iota Cancri	Dbl	Cnc	08h 46.7m	+28° 46'	4.1, 6.0	31"	305°	

BONUS OBJECTS							
Object	Type	Con	RA	Dec	Mag	Size	Common Name
M78	RN	Ori	5h 46.8m	+00° 01'	8.3	8 x 6	
NGC 2359	EN	CMa	7h 18.5m	-13° 14'	11.4	8	Thor's Helmet
NGC 2392	PN	Gem	7h 29.2m	+20° 55'	10.1	0.8	Eskimo Nebula
NGC 2403	G-SAB	Cam	7h 36.9m	+65° 36'	8.9	22 x 12	