

<b>JANUARY Targets</b>	Observing targets are grouped by constellation.				
<b>Object</b>	<b>Type</b>	<b>Con</b>	<b>Vmag</b>	<b>Size or Sep</b>	<b>Comments</b>
gamma Arietis	BS	Ari	4.5/4.6	7.3"	Ram's Eyes. White look-alikes.
M38/M36/M37	OC	Aur	6.4, 6, 5.6	20', 25', 25'	M37 is the richest.
NGC 3372	NB	Car	1	2 x 2 degs	eta Carinae Nebula.
omicron Ceti	VS	Cet	2 to 10		Mira. Pulsating red giant.
M77	GX	Cet	8.9	7'x6'	~ 0.9 degrees from delta Ceti.
NGC 1851	GC	Col	7.3	11'	Compact. Small bright core.
NGC 2070	NB	Dor	7.3	40'x25'	Tarantula Nebula in LMC.
theta Eridani	BS	Eri	3.2/4.1	8.4"	Acamar. Striking white pair.
omicron 2 Eri	MS	Eri	4.5//10/11.5	84", 7"	B=white dwarf, C=red dwarf.
p Eridani (DUN 5)	BS	Eri	5.8/5.9	12"	1.1 degrees from Achernar.
NGC 1535	PN	Eri	9.6	45"	Blue-green in colour.
NGC 1365	GX	For	9.5	11'x6'	Great Barred Spiral Galaxy.
NGC 2392	PN	Gem	9.1	50"	Eskimo or Clownface Nebula.
gamma Leporis	BS	Lep	3.6/6.3	96"	Yellow/orange contrast.
h3752 (HR 1771)	BS	Lep	5.1/6.7	3.6"	Yellow/bluish pair.
R Leporis	CS	Lep	5.5 to 11.7		Hind's Crimson Star.
M79	GC	Lep	8	9'	Just 36' from binary HR 1771.
beta Orionis	BS	Ori	0.2/6.8	9.3"	Rigel.
delta Orionis	BS?	Ori	2.2/6.8	53"	Mintaka in the belt.
zeta Orionis	BS	Ori	1.9/3.7	2.5"	Alnitak in the belt.
theta 1 Orionis	OC	Ori	6.7/8/5.1/6.7	A to D is 20"	Trapezium. Visual order ACDB.
lambda Orionis	BS	Ori	3.5/5.5	4.9"	Primary has spectral type O8.
sigma Orionis	MS	Ori	3.8/8.8/6.6/6.3	11", 12", 42"	Order ED(AB)C. AB = mag 3.8.
M42	NB+OC	Ori	4	65'x60'	Orion Nebula with Trapezium.
NGC 2169	OC	Ori	5.9	10'	Celestial "37". Near eta and xi.
beta Monocerotis	MS	Mon	4.6/5/5.3	AB=7", BC=3"	All blue-white B3/B3/B3.
beta Persei (Algol)	VS	Per	2.1 to 3.4		Eclipsing binary. T=2.867days.
M34	OC	Per	5.5	35'	Spiral Cluster.
DUN 31 (HR2462)	BS	Pup	5.1/7.4	13.7"	Yellow/bluish pair.
NGC 1313	GX	Ret	9.2	9'x7'	Starburst Galaxy. ~ Face on.
NGC 55	GX	Scl	7.9	32.4'x5.6'	Similar visual size to NGC 253.
NGC 253	GX	Scl	7.1	27.5'x6.8'	Can be seen with binoculars.
NGC 288	GC	Scl	8.1	14'	1.8 degrees from NGC 253.
M45	OC	Tau	3	90'	Pleiades (Seven Sisters).
Melotte 25	OC	Tau	0.5	330'	Hyades. OC around theta 2,1.
beta Tucanae	BS	Tuc	4.3/4.5	27"	Striking white pair.
47 Tucanae	GC	Tuc	4	31'	Second only to omega Cen.
NGC 362	GC	Tuc	7.2	13'	Just north of the SMC.
SMC (NGC 292)	GX	Tuc	2.3	5x3 degrees	Small Magellanic Cloud.
gamma Velorum	MS	Vel	1.8/4.1/7.3/9.4	40", 62", 94"	Y shape. A= Wolf-Rayet (WC8).
Con=Constellation, Vmag=Visual Magnitude, Size mostly in arcminutes, Sep=Separation in arcseconds.					
Type: BS=Binary Star, MS=Multiple Star, CS=Carbon Star, PN=Planetary Nebula, Aster=Asterism only, GC=Globular Cluster, OC=Open Cluster, GX=Galaxy, NB=Nebula, VS=Variable Star.					
Selected for the evening sky by Rob Horvat					