



Global Astronomy Month

presented by **Astronomers Without Borders**

Observing Challenge - Stars

Key

B – Binocular object

T - Telescope object

Mag.	Designation	RA		Declination		Mag.	Size	Con	Notes
		Hrs	Min	Deg	Min				
B, T	Y Canum Venaticorum, La Superba	12	45	45	26.4	4.8 - 6.3	-----	Canes Venatici	Deep orange color in small telescopes
B, T	Delta Orionis	5	32	0.00 0	-18	2.2, 6.3	53"	Orion	A white pair, great through binoculars
B, T	Beta Doradus	5	33.6	-62	30	3.5 - 4	-----	Dorado	Cepheid type, period of 9.84 days
T	Lambda Orionis	5	35	9	56	3.5, 5.6	4.4"	Orion	Different observers see different colors
T	Theta Orionis	5	35.3	-5	23	6.7, 7.9, 5.1, 6.7	8.8", 13", 21.5"	Orion	The famous Trapezium. At least four stars can be seen in small telescopes
T	Iota Orionis	5	35.4	-5	55	2.8, 6.9	11"	Orion	
B, T	Sigma Orionis	5	38.7	-2	36	4.0, 7.5, 6.5	12.9", 43"	Orion	Three stars are seen in a 3 inch telescope, four in a six inch.
T	Beta Monocerotis	6	28.8	-7	2	4.7, 5.2	7.3"	Monoceros	Just might be the best triple star system.
T	Gamma Volantis	7	8.7	-70	30	3.9, 5.4	14"	Volans	
T	Castor, Alpha Geminorum	7	34.6	31	53	1.9, 2.9	5"	Gemini	Two bright blue-white stars, with a faint orange companion 60 seconds away.

T	Kappa Puppis	7	38.8	-26	48	4.5, 4.7	9.9"	Puppis	
B, T	Gamma Velorum	8	9.5	-47	20	1.9, 4.2, 8.3, 9.1, 12.5	41", 62", 94", 2"	Vela	A great multiple star system. Keen-eyed observers can see four through binoculars.
T	Delta Velorum	8	44.7	-54	43	2.1, 5.1	2.6"	Vela	
B, T	Iota Cancri	8	47	28	46	4.2, 6.6	31"	Cancer	Orange and blue components, the "spring Albireo"
T	Gamma Leonis	10	20	19	51	2.2, 3.5	4.4"	Leo	An yellow-yellow pair
T	Mu Velorum	10	47	-49	25	2.7, 6.4	2.8"	Vela	
T	Alpha Crucis	12	26.6	-63	6	1.4, 2.1	4.4"	Cruz	Bright blue-white stars
B, T	24 Comae Berenices	12	35	18	23	5.2, 6.7	20.3"	Coma Berenices	Said to be orange and blue-green
B, T	Mu Crucis	12	54.6	-57	11	4.3, 5.3	35"	Cruz	Good binocular target
B, T	Alpha Canum Venaticorum, Cor Caroli	12	56	38	19	2.9, 5.5	19.4"	Canes Venatici	One of the best for small telescope
B, T	Zeta Ursa Majoris, Mizar	13	23.9	54	56	2.3, 4.0, 4.0	14.4", 709"	Ursa Major	Just might be the best double star for small telescopes. Distant AlCor is easy with binoculars.
T	Alpha Centauri	14	40	-60	50	-0.01, +1.33	4"	Centaurus	Two bright yellow stars
T	Epsilon Bootis	14	45	27	4	2.5, 4.9	2.8"	Bootes	Yellow and blue pair
B	Alpha Librae	14	50.9	-16	2	2.8, 5.2	231"	Libra	Almost visible without optical aid
T	Kappa Lupi	15	12	-48	44	3.9, 5.7	27"	Lupus	Tough through binoculars
B	Mu1, 2 Bootis	15	24	37	23	4.3, 6.5	108"	Bootes	Forms a triple with Mu 2
T	Mu 2 Bootis	15	24	37	21	7.0, 7.6	2.1"	Bootes	
T	Delta Serpentis	15	35	10	32	4.2, 5.2	4"	Serpens	A white pair of stars