

AST101: Practice Exam Answers

Fill in the blanks:

Star in Transit	Time	Longitude	Zenith Distance	Latitude
	h m	° '	° '	° '
Betelgeuse RA= 5h 55m dec= 7° 24'	GST 16 55	165° W	-20 24	13° S
Vega RA= 18h 37m dec= 38° 47'	GST 15 37	45° E	4 13	43° N
Sun (Dec 21)	GST 10 00	120° E	47 00	23° 30' N
Sun (Dec 21)	GMT 10 00	30° E	23 30	0°

Star in Transit	Date	Approximate Solar Time
Rigel RA= 5h 15m dec= -8° 12'	September 21	5:15 am
Altair RA= 19h 51m dec= 8° 52'	July 21	11:51 pm
Pollux RA= 7h 46m dec= 28° 01'	March 21	7:46 pm