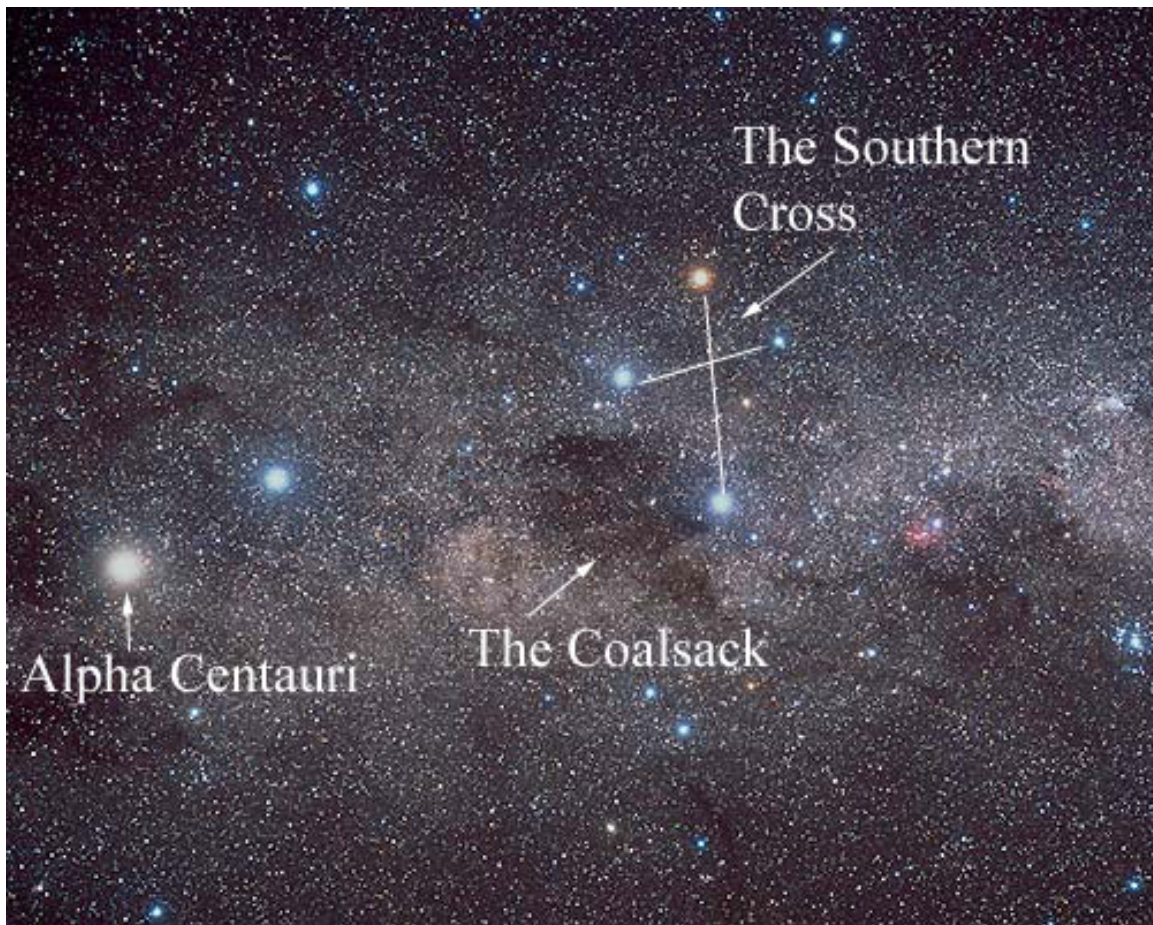


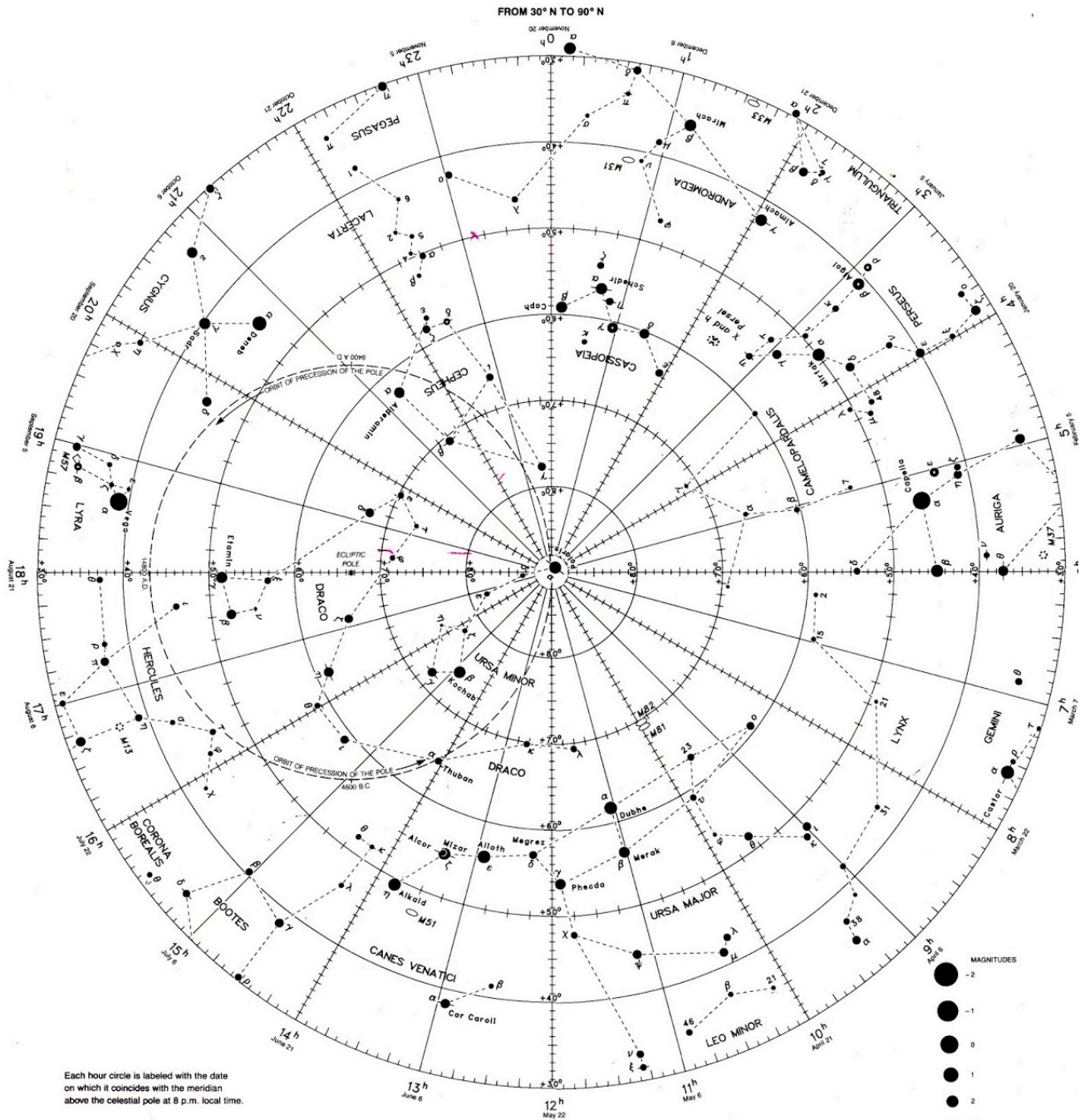
AST 250 – Fall 2017
Homework Due: Monday September 11

9. If you were standing on a planet in the Alpha Centauri system ($D = 1.34$ pc at $\alpha, \delta = 14^{\text{h}} 40^{\text{m}}, -60^{\text{d}} 50'$), what apparent magnitude would the Sun appear in the sky (quote your answer to 1 decimal place) and toward which constellation(s) would the Sun appear (use the star chart on the back)? Would it be the brightest star (other than the Alpha Centauri stars) in the sky? (Hint: look up a list of the brightest stars in our sky and their distances. Wikipedia is your friend...).



SC002 CONSTELLATION CHART

NORTH CIRCUMPOLAR REGION — EPOCH 2000



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- MAGNITUDES
- -2
 - -1
 - 0
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
- GALAXY
 - CLUSTER
 - ◇ NEBULA
 - VARIABLE STAR
 - DOUBLE STAR