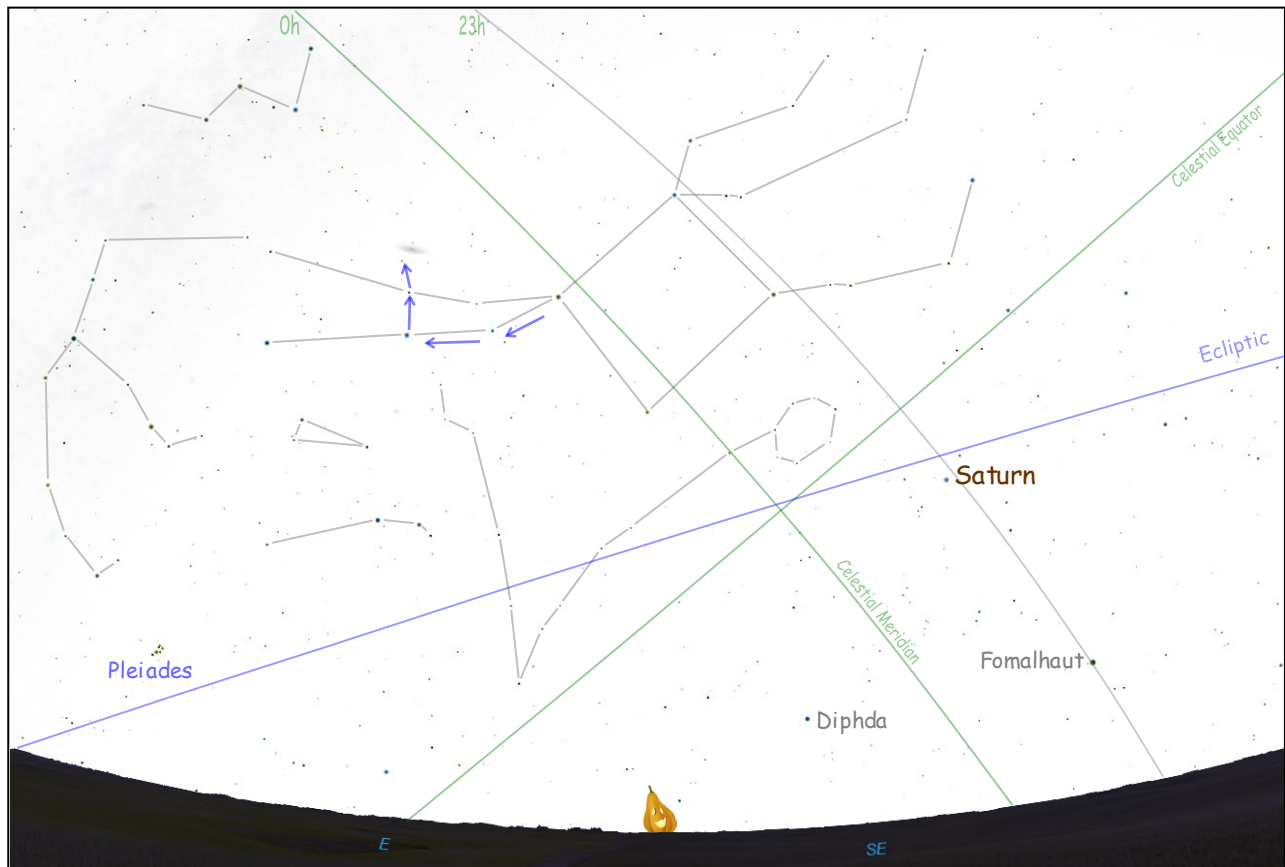


Label the stars you are able to actually see in Pegasus, Andromeda, Cassiopeia, Perseus, Pisces, Aries and Triangulum with their name or Bayer Greek letter. Find the galaxy in Andromeda, the stars Fomalhaut ( $\alpha$  PsA, pronounced FOAM-a-lot) & Diphda ( $\beta$  Cet) and other named constellations that you already know.<sup>21</sup>

6Name:	Companions:
Date & Time:	Location:
Sky:	Moon:

View east southeast from Canton October 10, 9 pm.



Reflect on your observing experience. Are you learning to find your way around the sky? Are you starting to see things in relation to the celestial grid ... Celestial Equator, Celestial Meridian & Ecliptic (the Zodiac). Are some of the stars starting to become familiar friends?<sup>10</sup>

BAYER DESIGNATION	OTHER NAME	VISUAL MAG. (V)	SPECTRAL TYPE	ABSOLUTE MAG. ( $M_V$ )	DISTANCE (ly)	MEANING OF NAME AND OTHER FUN FACTS
$\alpha$ Peg	Markab	2.49	A0 III-IV	-0.9	140	"The horse's shoulder", just finishing H burning (Kaler),
$\beta$ Peg	Scheat	2.4v	M2 II-III	-1.7	199	"The shin", 95 $R_{Sun}$ , 1500 $L_{Sun}$ , mostly in IR
$\gamma$ Peg						
$\alpha$ And						
$\beta$ And						
$\gamma$ And						
$\alpha$ Per						
$\beta$ Per						
$\alpha$ Cep						
$\beta$ Cep						
$\alpha$ Cas						
$\beta$ Cas						
$\gamma$ Cas						
$\delta$ Cas						
$\epsilon$ Cas						

Use the Field Guide (Atlas Charts for these constellations), Raymo (Oct. 1-7, 25-31; Nov. 1-17, 23-26, Dec. 3-16 ), and the web to learn the meanings of the names and other facts. Web sites by Jim Kaler (U. Illinois) are particularly good. Fill in the table<sup>80</sup> and, in the space below, write about some interesting objects ... double stars, nebulae, galaxies, etc.<sup>14</sup> (WRITE ENOUGH TO BE WORTH 14 POINTS!)