

Earth's Atmosphere, ESS 55
Homework 4, due May 13

- 1) How many days would it take for a hot air balloon traveling eastward along 40° N at a mean speed of 15 m/s to circumnavigate the globe?
- 2) Prove that exactly half the area of the Earth lies equatorward of 30° latitude
- 3) Why do airliners traveling between Tokyo and Los Angeles typically follow a great circle route westbound and a latitude circle eastbound?
- 4) To what feature in Fig. 7.6 does the colloquial term *horse latitudes* refer? What is the origin of this term?