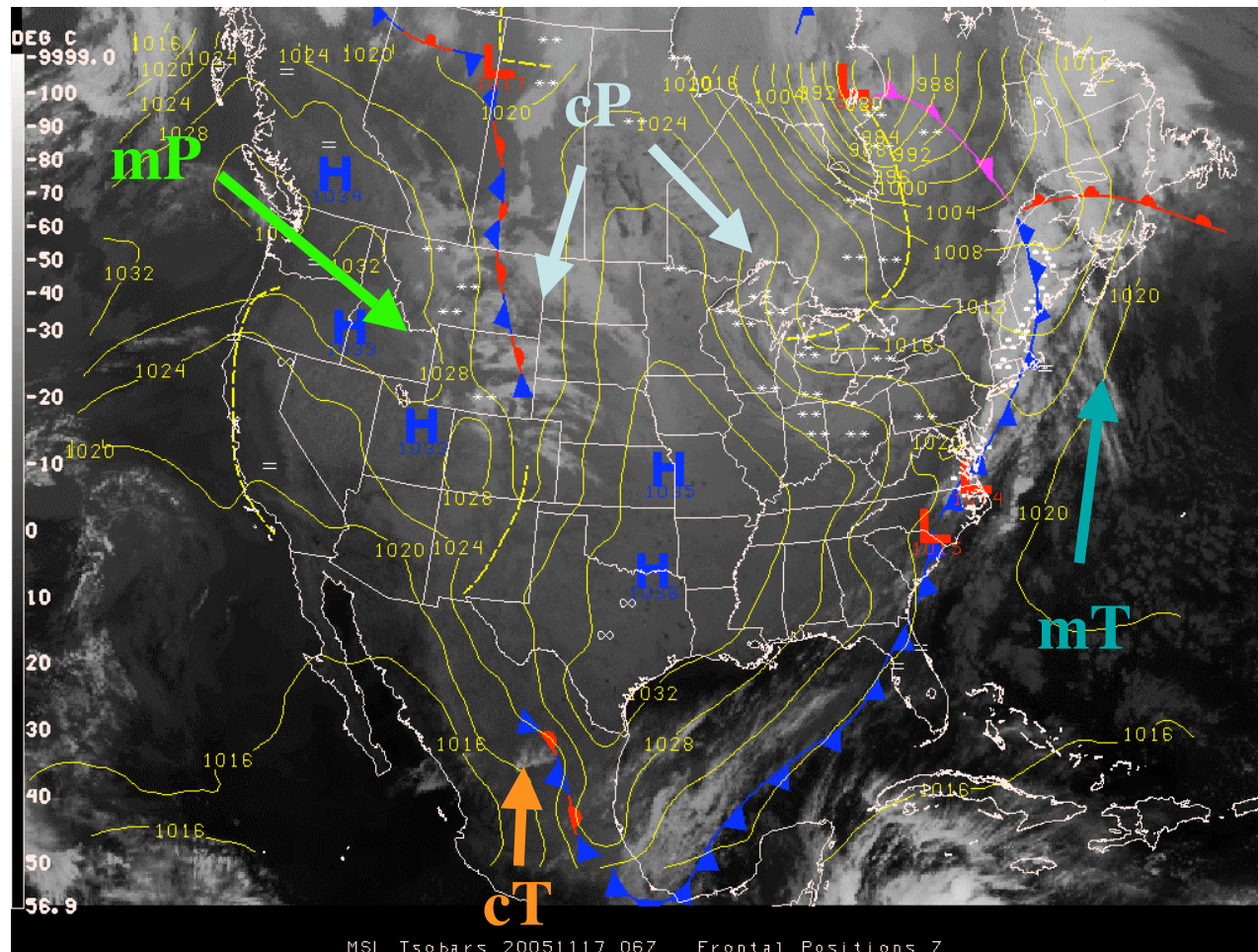


Fronts

Locate the fronts and air masses on the figure

17 Nov 06 UTC (11 PM LT)



Cyclogenesis Quiz

As a low pressure forms in a stationary front, a _____ develops to the left of the low and a _____ develops to the right of the low.

- a. warm front, cold front
- b. stationary front, warm front
- c. occluded front, stationary front
- d. cold front, warm front

What type of process describes the movement of the cold front on the left side of the low towards the warm front on the right side?

- a. overrunning
- b. receding
- c. warm occlusion
- d. cold occlusion

Thunderstorm Quiz

 heats the air within a thunderstorm making it warmer than its environment.

- a. Sensible heat
- b. Latent heat
- c. Radiation
- d. Conduction

What process dominates the decaying stage of an ordinary thunderstorm?

- a. updrafts
- b. downdrafts
- c. entrainment
- d. precipitation formation

Electrification Quiz

In a the lower part of the cloud environment large, downward moving particles become _____ charged, while small, upward moving particles become _____ charged.

- a. positively, negatively
- b. positively, positively
- c. negatively, positively
- d. negatively, negatively

In the presence of an electric field, small ice crystals collide with large, polarized precipitation particles becoming _____ charged, and leaving the larger particles _____ charged.

- a. positively, negatively
- b. negatively, positively

Lightning Quiz

Thunder results from the _____ of air due to the _____ from a lightning flash.

- a. lighting up, radiation
- b. moistening, convection
- c. rapid expansion, heating
- d. Lighting up, heating

There are multiple _____ in a _____ of lightning.

- a. flashes, stroke
- b. strokes, flash
- c. charges, flash
- d. leaders, stroke