

Synoptic Meteorology II: Cyclone Development Exercise

Due: 24 March 2015, at the start of class

There is a saying within certain weather circles that goes, “the storm track follows the snow pack.” In other words, this saying implies that cool-season mid-latitude cyclones – such as Alberta clippers – tend to track along the southernmost extent of an existing snow pack.

In light of your understanding of the self-development paradigm for mid-latitude cyclones, frontogenesis and frontolysis, and introductory aspects of synoptic, dynamic, and physical meteorology, please critique this statement. Please present evidence, as appropriate, that supports and contradicts this statement.