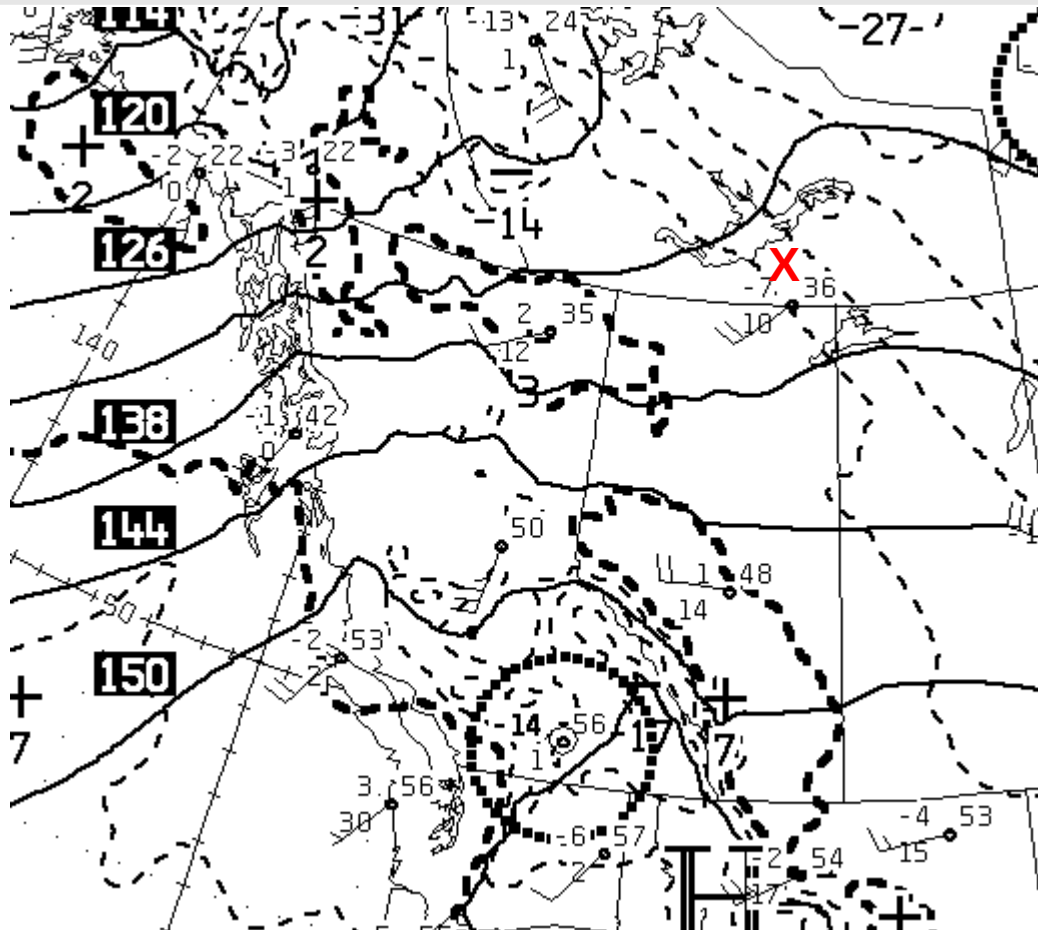


# CMC 850 hPa analyses

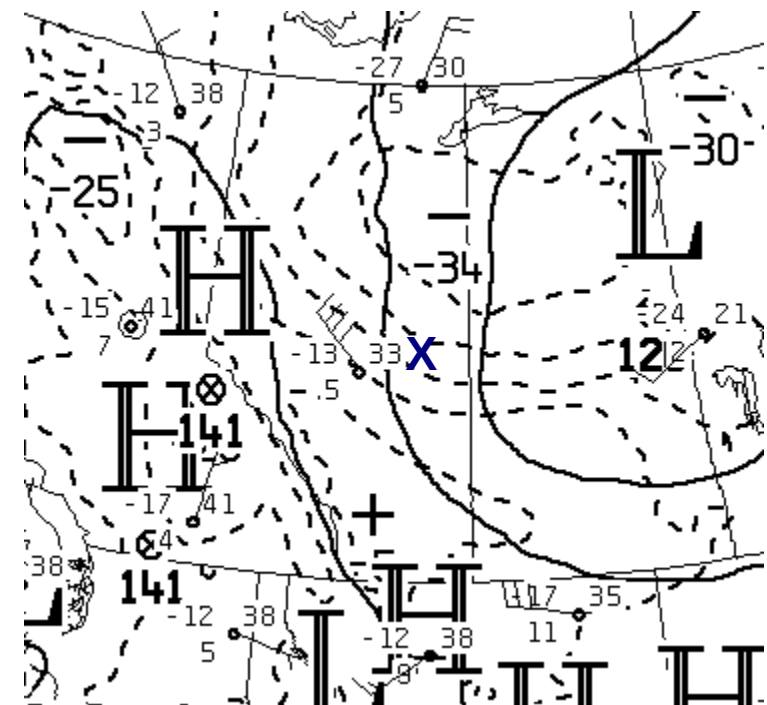


12Z Saturday 14 Jan. 2017

Please quantify the rate

$$\frac{\partial T}{\partial t} = -v \frac{\partial T}{\partial s}$$

of thermal advection at the points indicated. Use the radiosonde wind speed; distance between isotherms can be deduced from the fact that the length of the eastern border of Alberta is  $11^\circ \times 111 \text{ km/degree}$



00Z Thursday 12 Jan. 2017