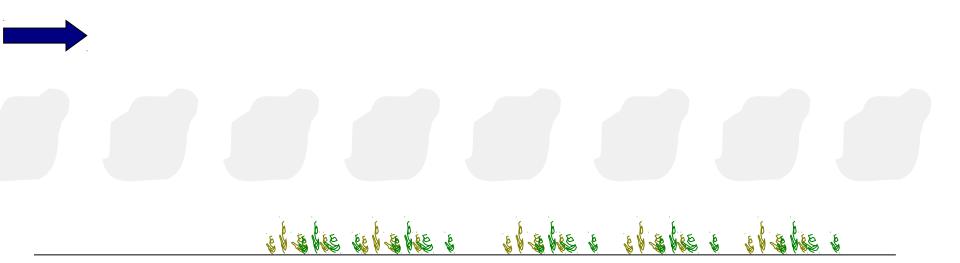
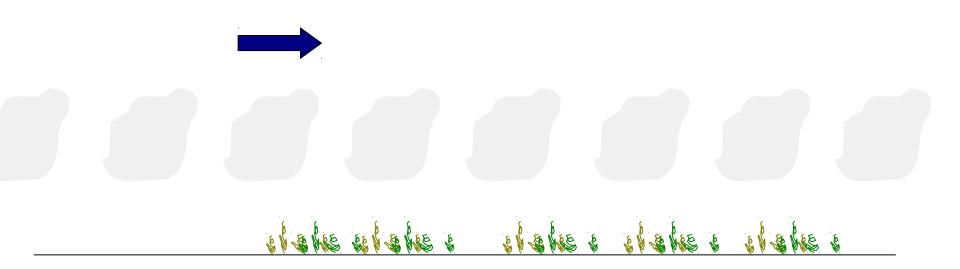


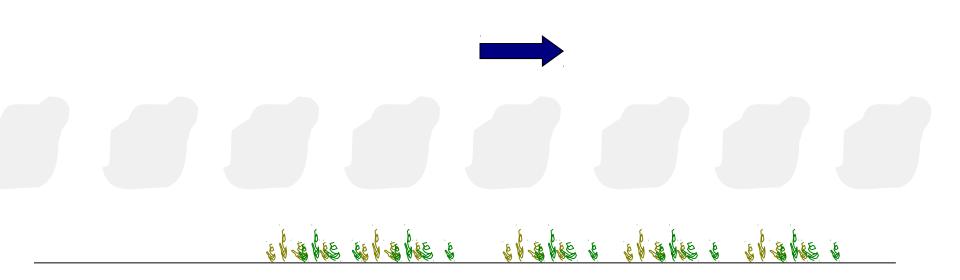
- determined by coexistence of wind plus horizontal gradient
- in the scenario shown below, there is no advection

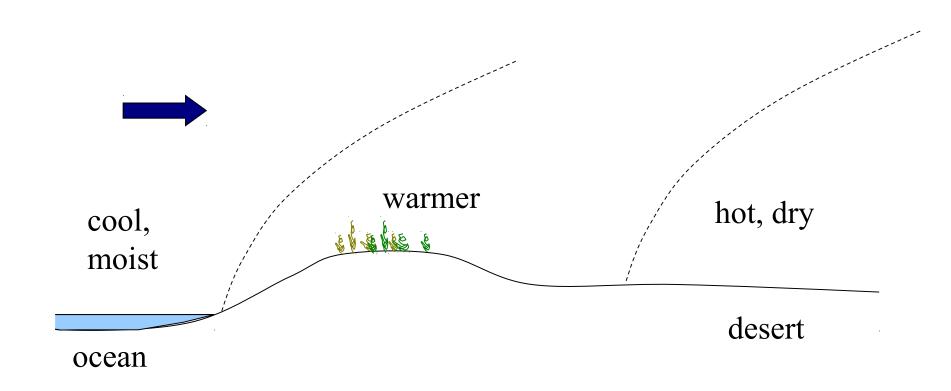


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- in the scenario shown, there is no advection

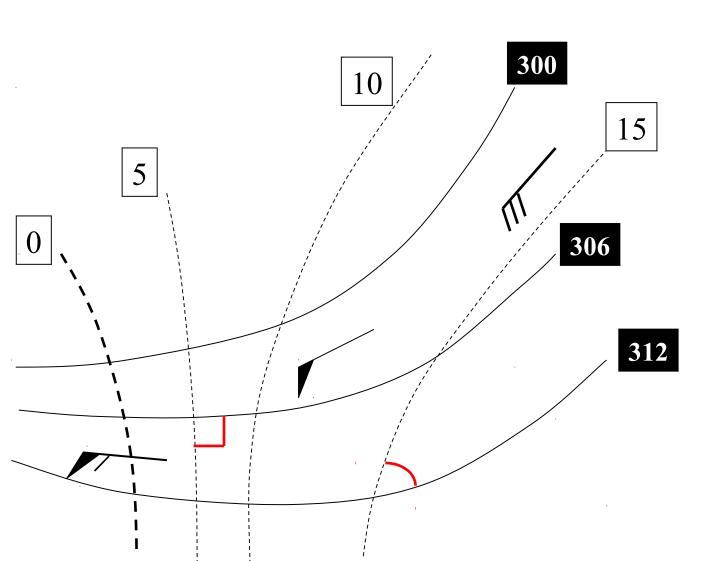


- determined by coexistence of wind plus horizontal gradient
- in the scenario shown, there is no advection

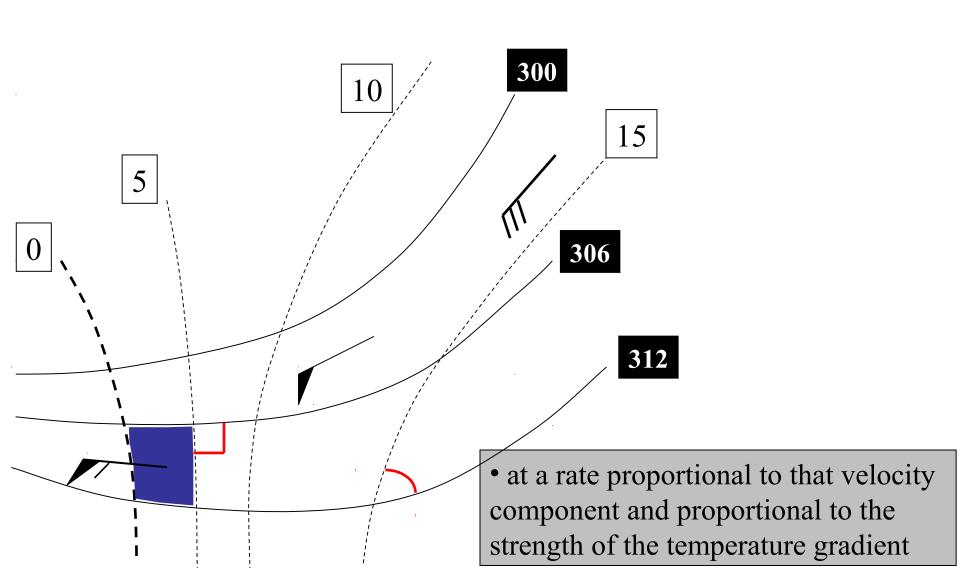




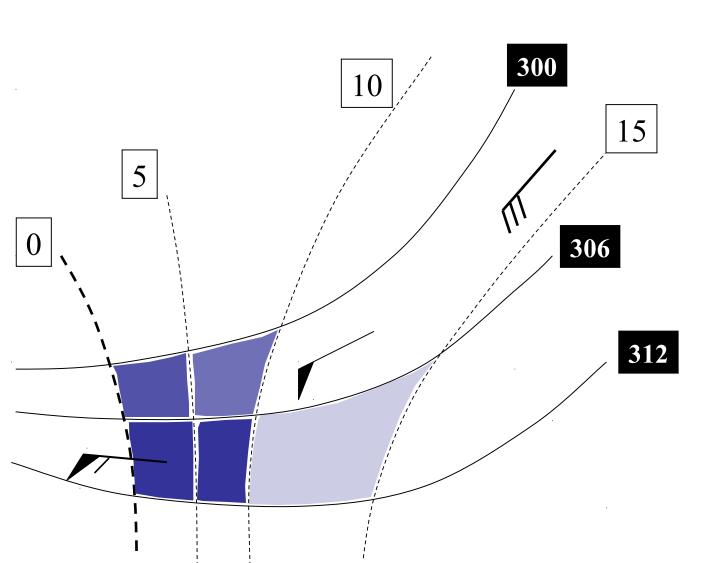
• temperature advection is accomplished by the velocity component that is perpendicular to the isotherms



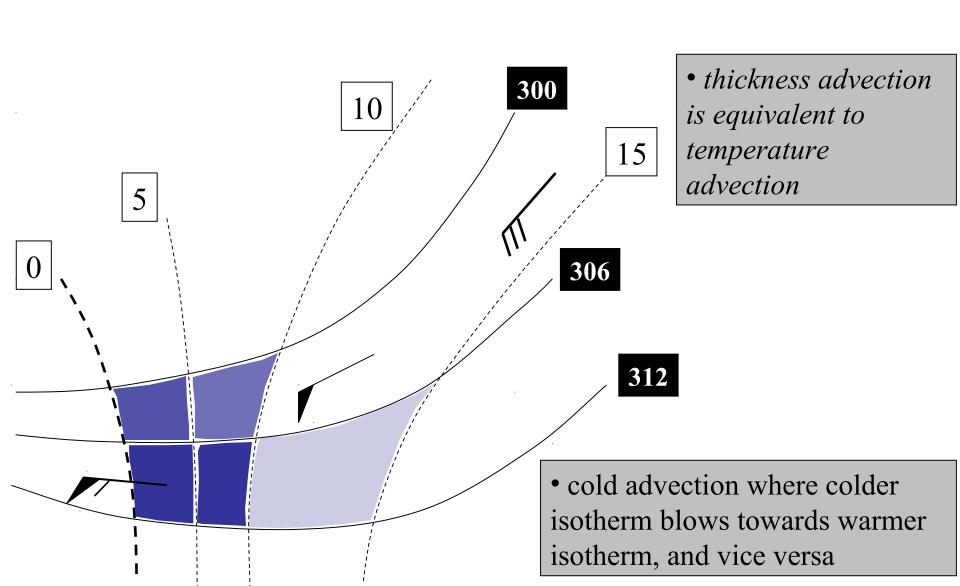
• temperature advection is accomplished by the velocity component that is perpendicular to the isotherms



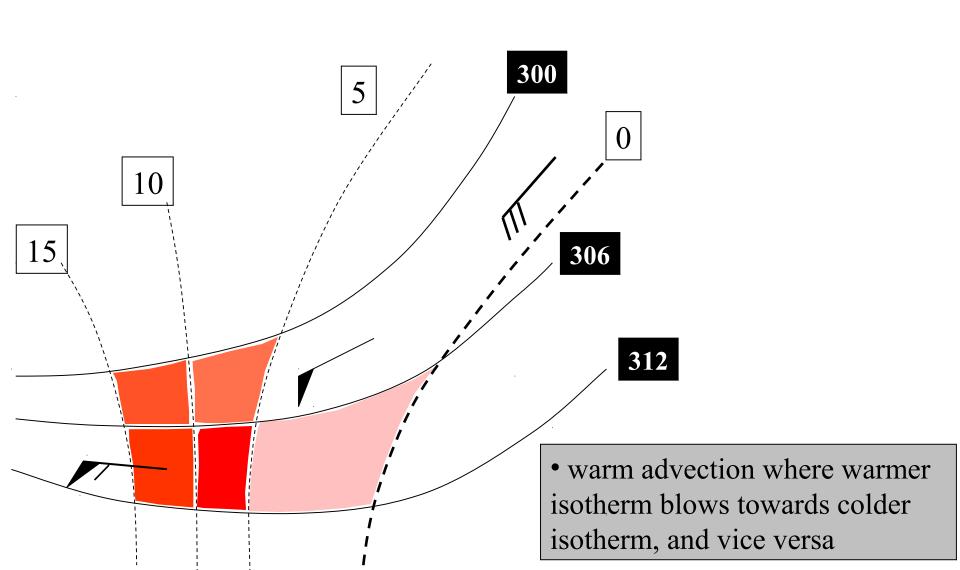
• thus the smallest rectangles with corner angles closest to 90° are zones of strongest advection

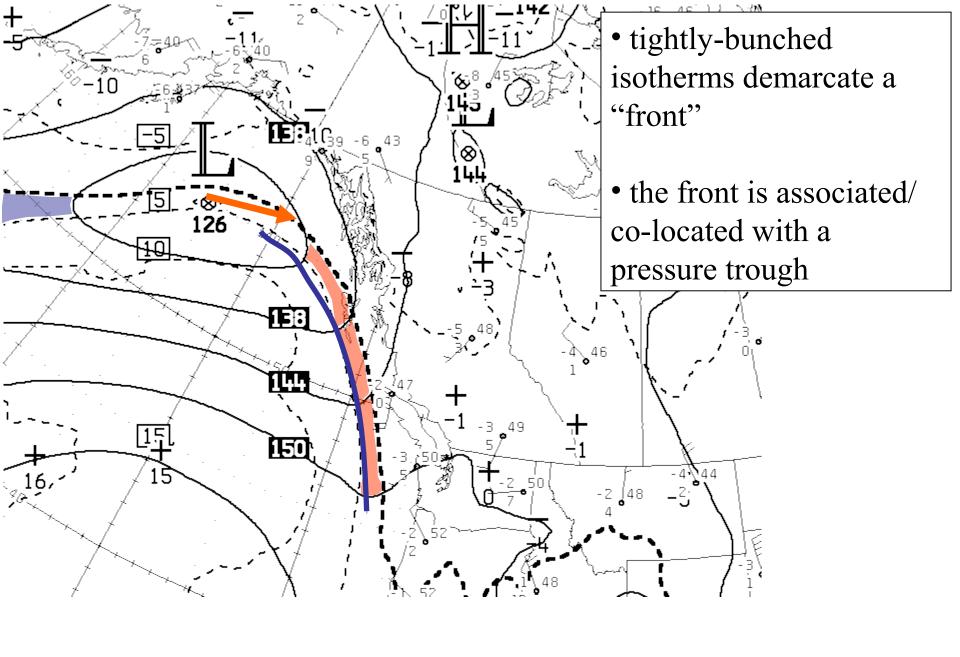


• thus the smallest rectangles with corner angles closest to 90° are zones of strongest advection

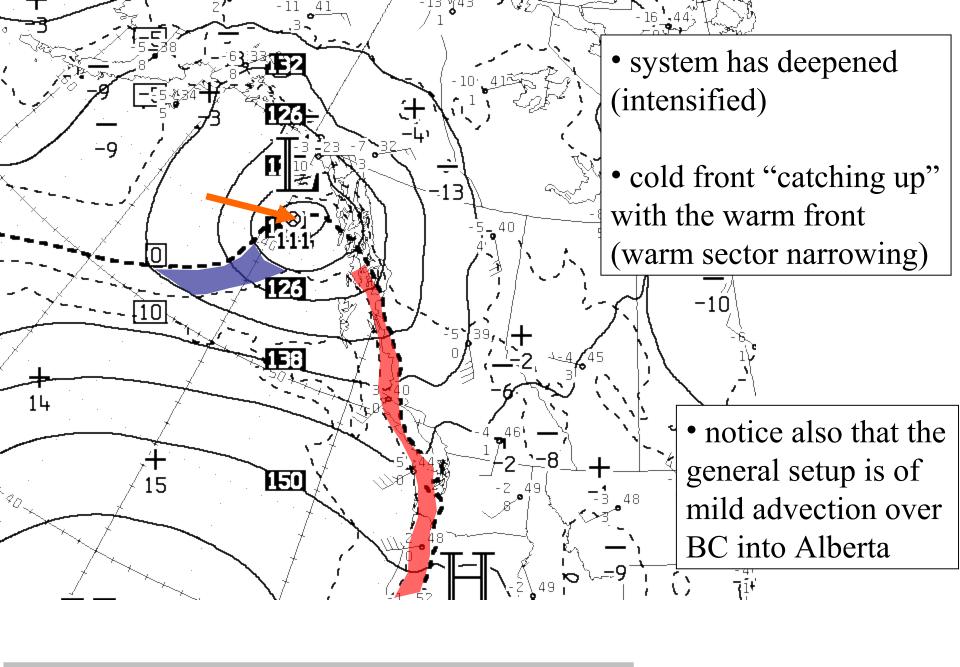


• thus the smallest rectangles with corner angles closest to 90° are zones of strongest advection





CMC 850 hPa analysis 00Z Thurs 29 Oct. 2009



CMC 850 hPa analysis 12Z Thurs 29 Oct. 2009

