

- Exercise – “verification” of our 5 day forecast for today
- Continuity equation in the isobaric coordinate system. Time permitting: meaning of Laplacian operator (demo – heat eqn in 2 space dimensions)

Exercise – please submit (see final paragraph)

- save to your N: drive the CMC analyses (sfc, 850 hPa, 700 hPa) for 12Z today, along with the Stony Plain sounding, the GOES ir image valid 12Z, METARs from CYEG, and the hourly weather data for Edmonton City Centre Airport (YXD) and Edmonton Int'l (YEG)
- try using WinSCP to upload these to your gpu acct. Try using GIMP to crop an image
- estimate the advective cooling rate as of 00Z (based on the 850 hPa chart – handout, and on class web site) and deduce the expected drop in temperature as of 12Z . Verify against the sfc cooling (00Z to 12Z) for YEG & against the soundings
- summarize present weather situation and by comparing with the fcst charts (archived on our web site) critique your forecast from last Thursday (one paragraph)