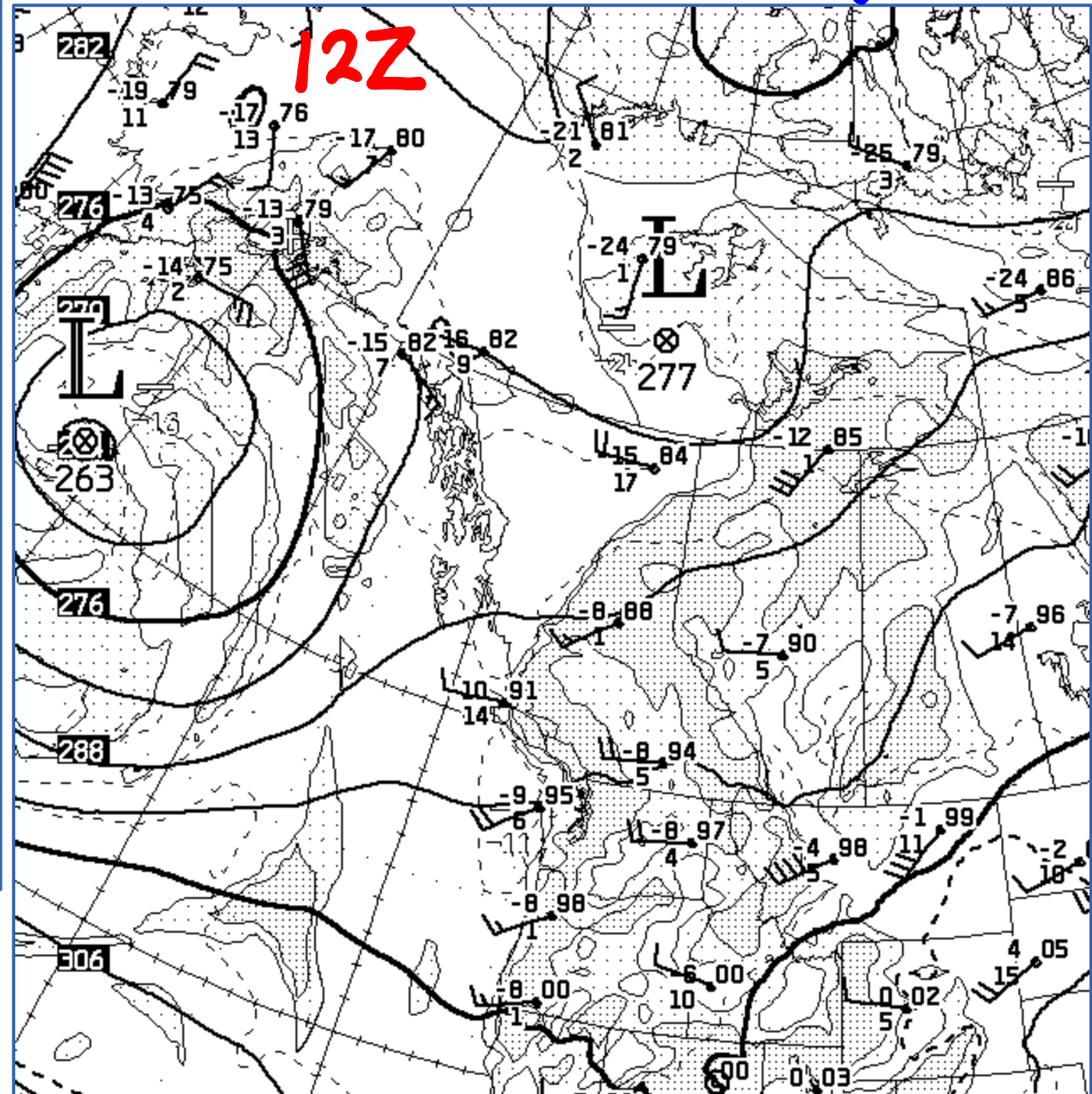
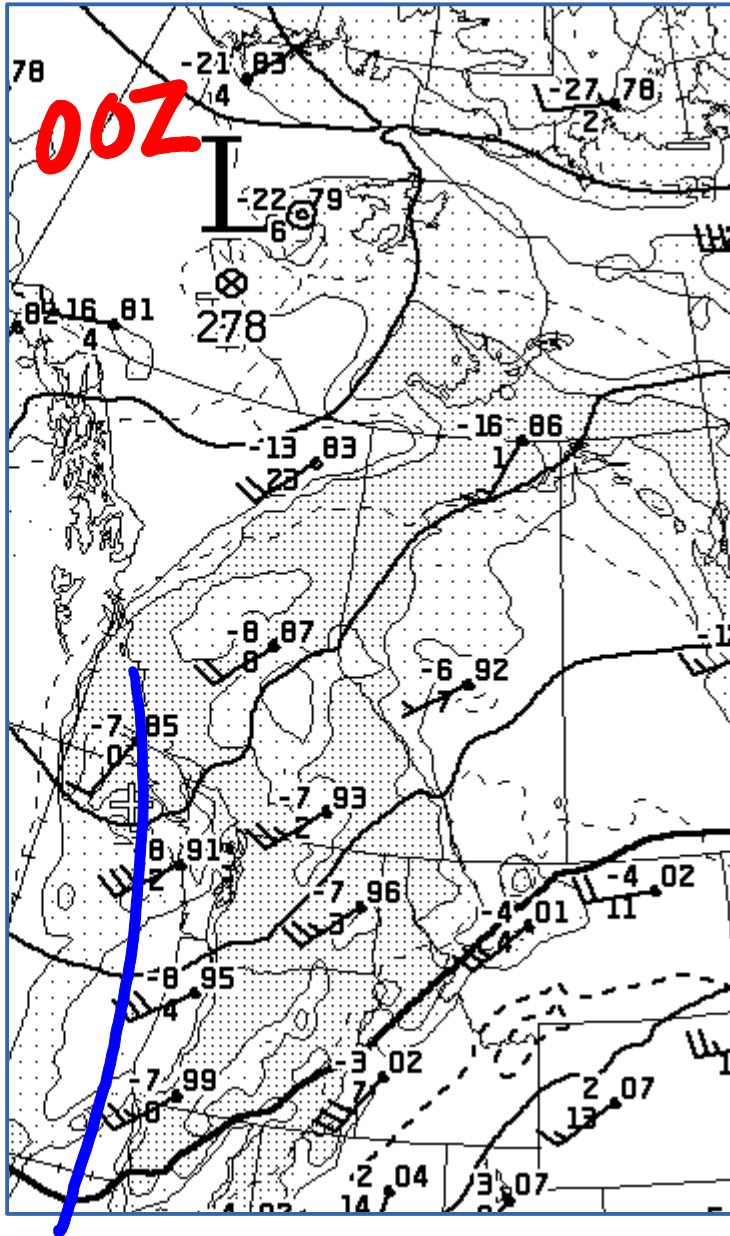


Foggy in Edmonton. CMC 700 hPa analyses, 00Z (left) and 12Z (right) Monday 21 Nov. 2016



- over C. Alberta, a weak SW flow of mild air at 700 hPa
= so slow changes

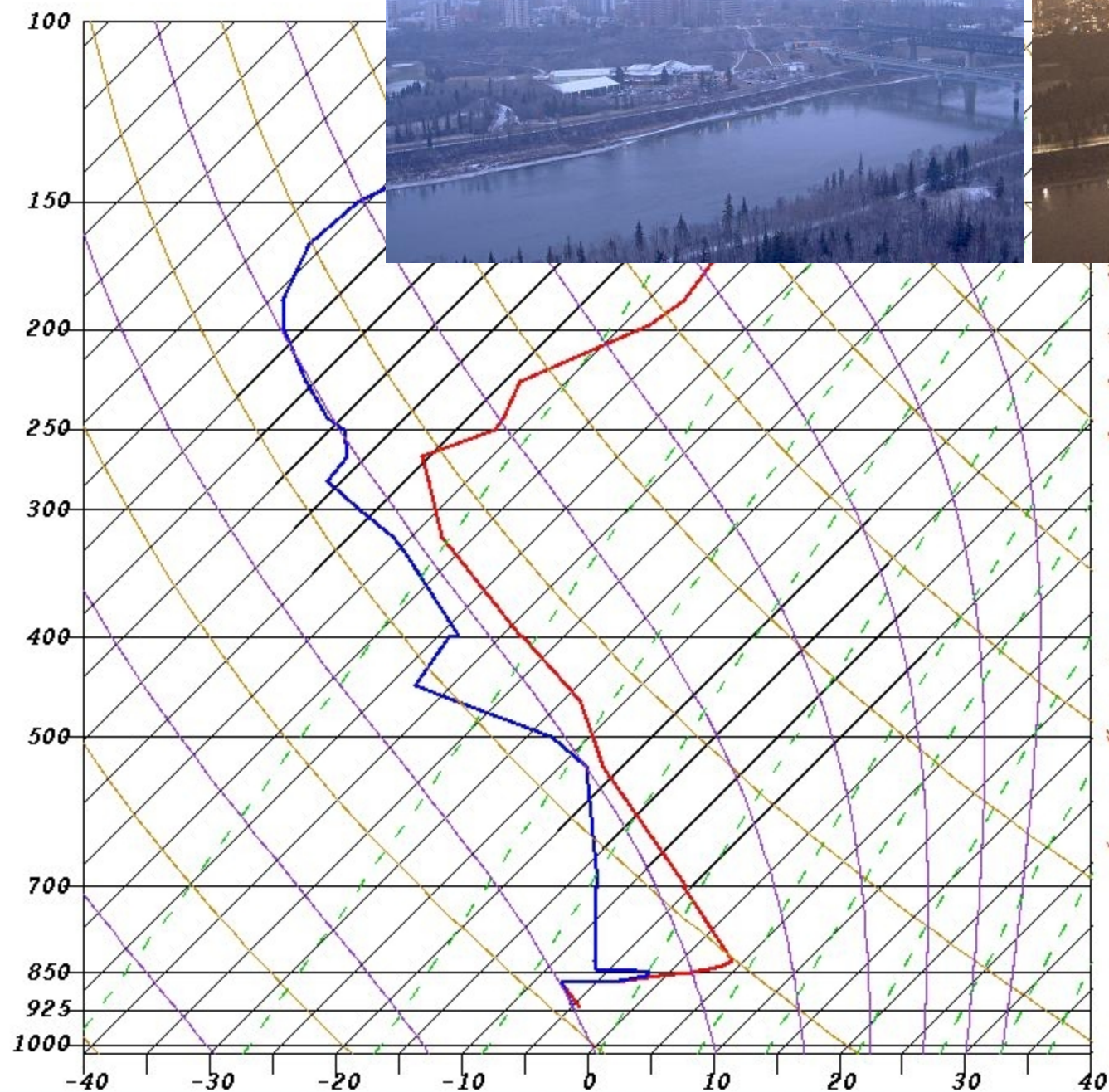
Foggy in Edmonton: Stony Plain sounding, 00Z Monday 21 Nov. 2016

161121/0000 71119

Sun. 16 MST



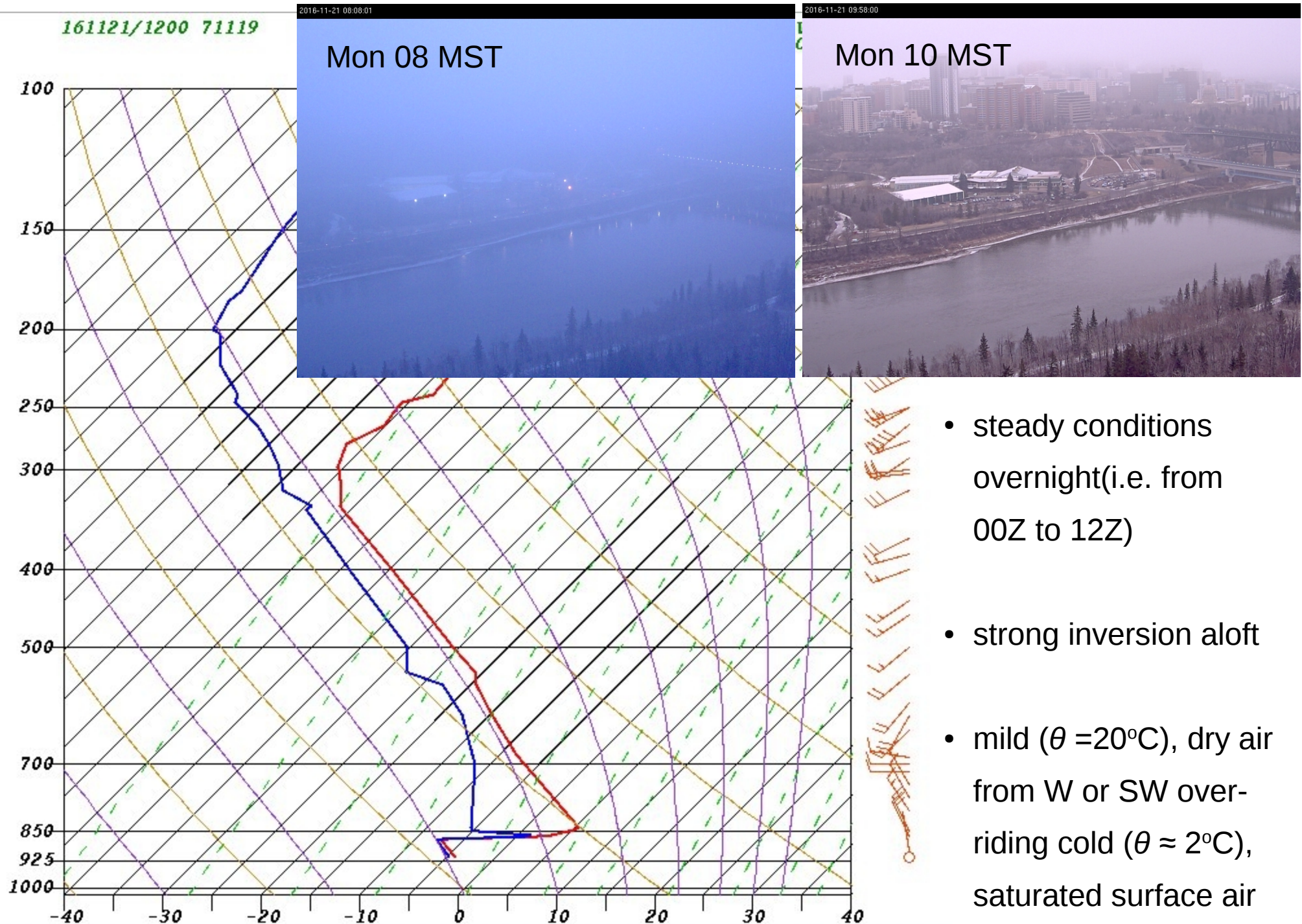
Sun. 17 MST



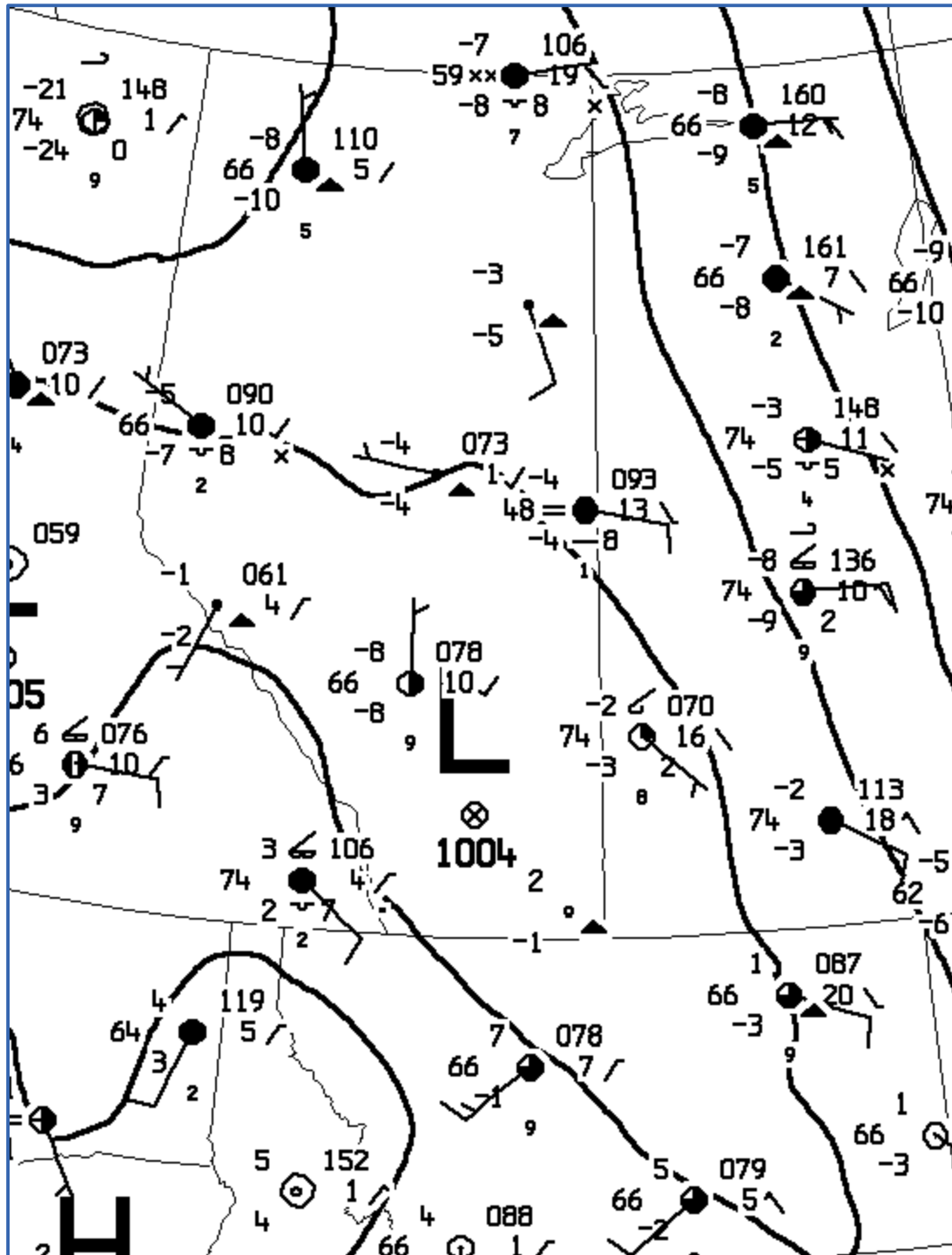
Mon 07 MST



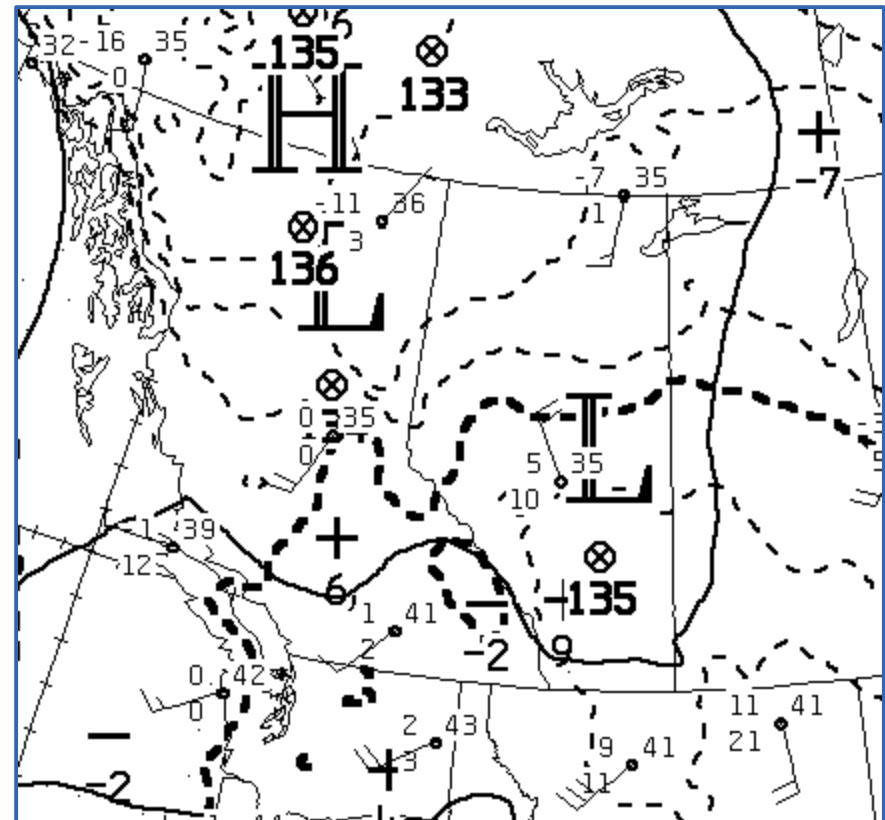
Foggy in Edmonton: Stony Plain (WSE) sounding, 12Z Monday 21 Nov. 2016



Foggy in Edmonton: CMC surface analysis and 850 hPa analysis, 12Z Monday 21 Nov. 2016



- saturated surface air in C. Alberta
- mild, dry air aloft; but cold advection occurring



Foggy in Edmonton (slide added Tues.) : WSE sounding, 00Z Tues 22 Nov. 2016

NSE

SHOW:

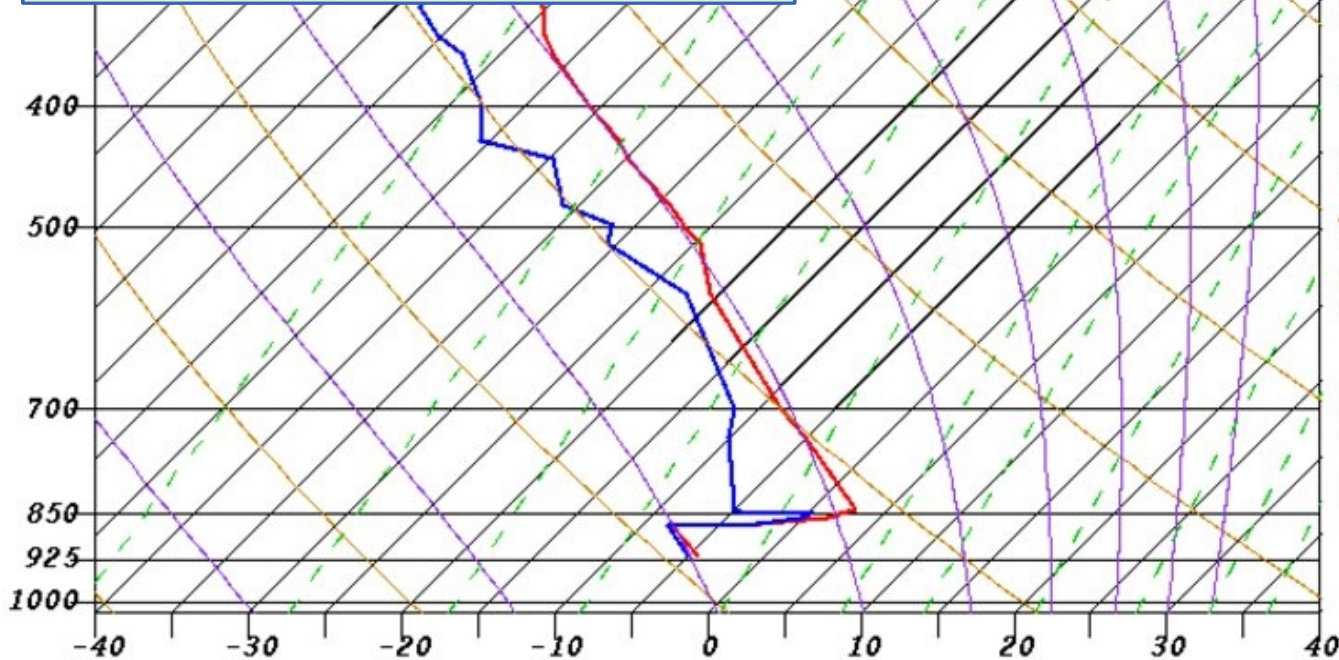
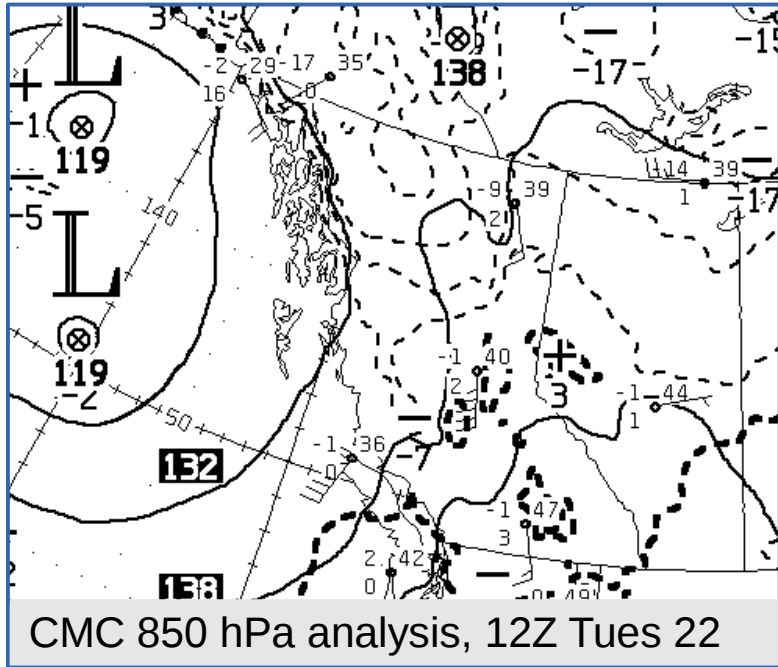
1 LIFT:

9 *SNET*:

174

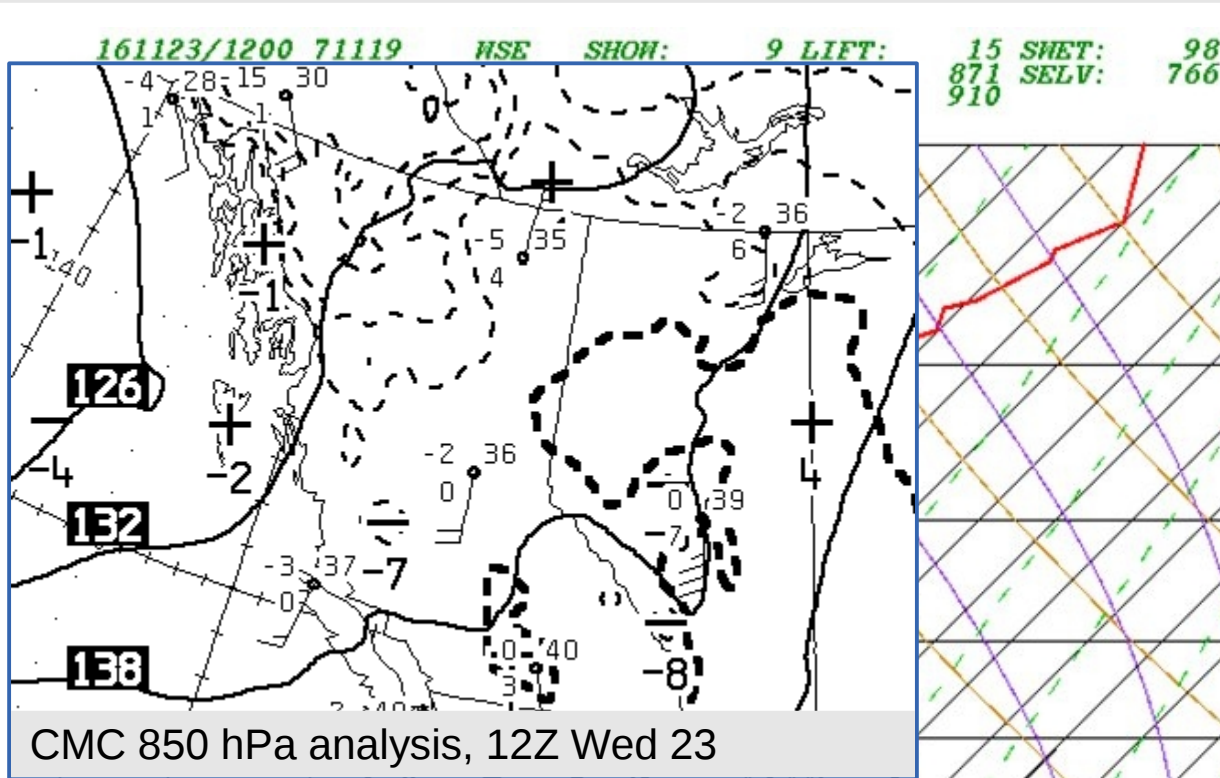
2016-11-22 13:08:00

Tues. 13 MST

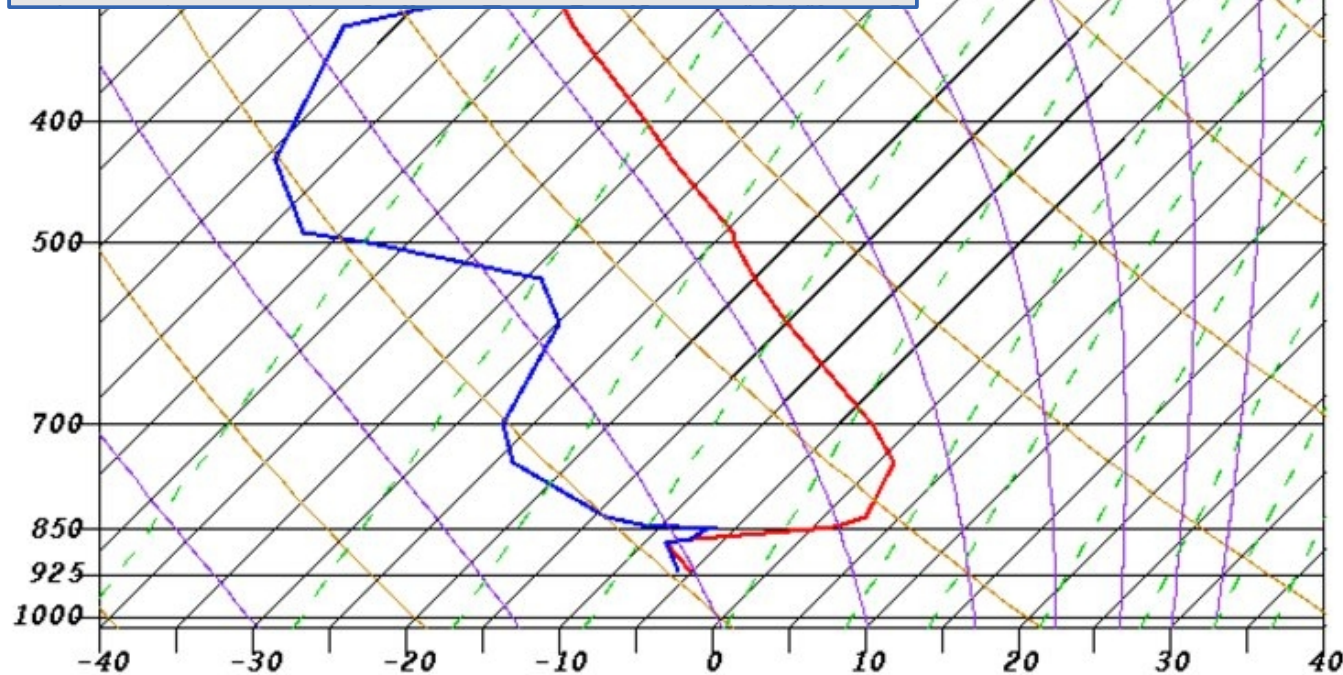


- very little change during Monday; slack flow (see 850 hPa), no mixing
- mild ($\theta \approx 17^{\circ}\text{C}$), dry air from W over-riding cold ($\theta \approx 3^{\circ}\text{C}$), saturated surface air
- the inversion still in place 12Z Tues 22 (not shown)

Foggy in Edmonton (slide added Wed.) : WSE sounding, 12Z Wed 23 Nov. 2016



Wed. 12 MST

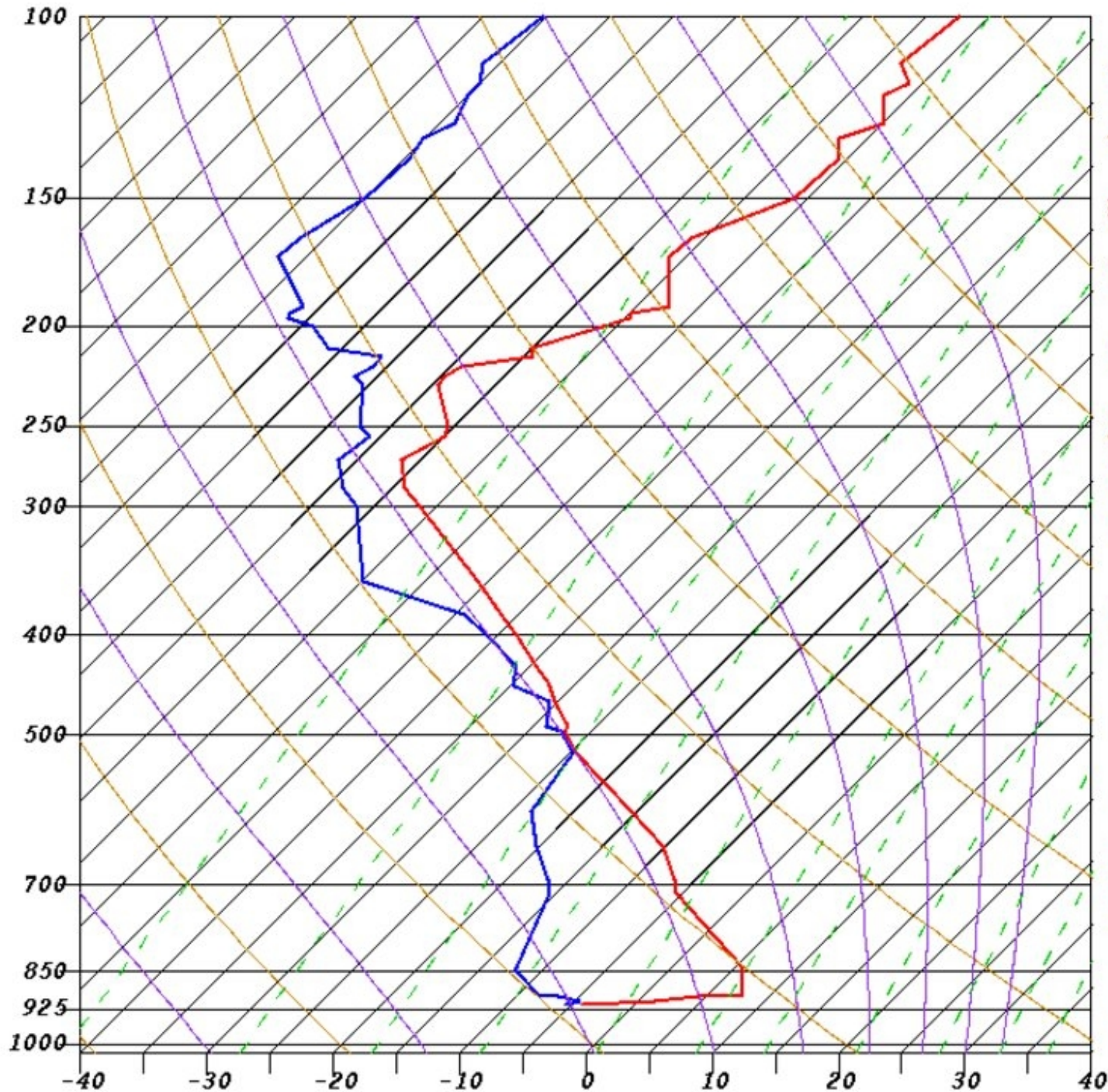


- we're still stuck in a dome of cold, nearly-saturated air under a strong inversion that inhibits vertical mixing – with milder air aloft

• even hours of a decent wind overnight Tues/Wed did not mix out the inversion

Foggy in Edmonton (slide added Wed.) : WSE sounding, 12Z Fri 25 Nov. 2016

LCLT: 201 LCLP: 893



+5°C at
sfc in Edmonton
at noon

Solar heating
plus (?) mixing