

PRAIRIE AND ARCTIC STORM PREDICTION CENTRE 7:00 AM CST THURS JAN. 15 2015.

ALERTS AND STATEMENTS IN EFFECT... WIND WARNING FOR THE CROWSNEST AND CARDSTON REGIONS OF SOUTHWESTERN ALBERTA...

SYNOPTIC OVERVIEW... **ARCTIC VORTEX** PARKED NEAR CAPE DORSET... **UPPER RIDGE** FROM THE WESTERN STATES UP THROUGH BC AND THE YUKON. **NORTHWESTERLY FLOW ALOFT** BETWEEN THESE TWO FEATURES... **COLD FRONT** HANGS BACK FROM A LOW OVER NORTHWESTERN ONTARIO, LYING FROM THE SOUTHWEST CORNER OF MANITOBA TO ABOUT GRANDE PRAIRIE EARLY THIS MORNING. AS THE HIGH PUSHES SOUTHEASTWARD, THE FRONT WILL CONTINUE TO SLUMP SOUTHWARD OVER THE EASTERN PRAIRIES AND HOLD STEADY IN ALBERTA...

GRADIENT ACROSS THE ROCKY MOUNTAINS STRENGTHENS BRINGING STRONG WINDS TO PINCHER CREEK TODAY

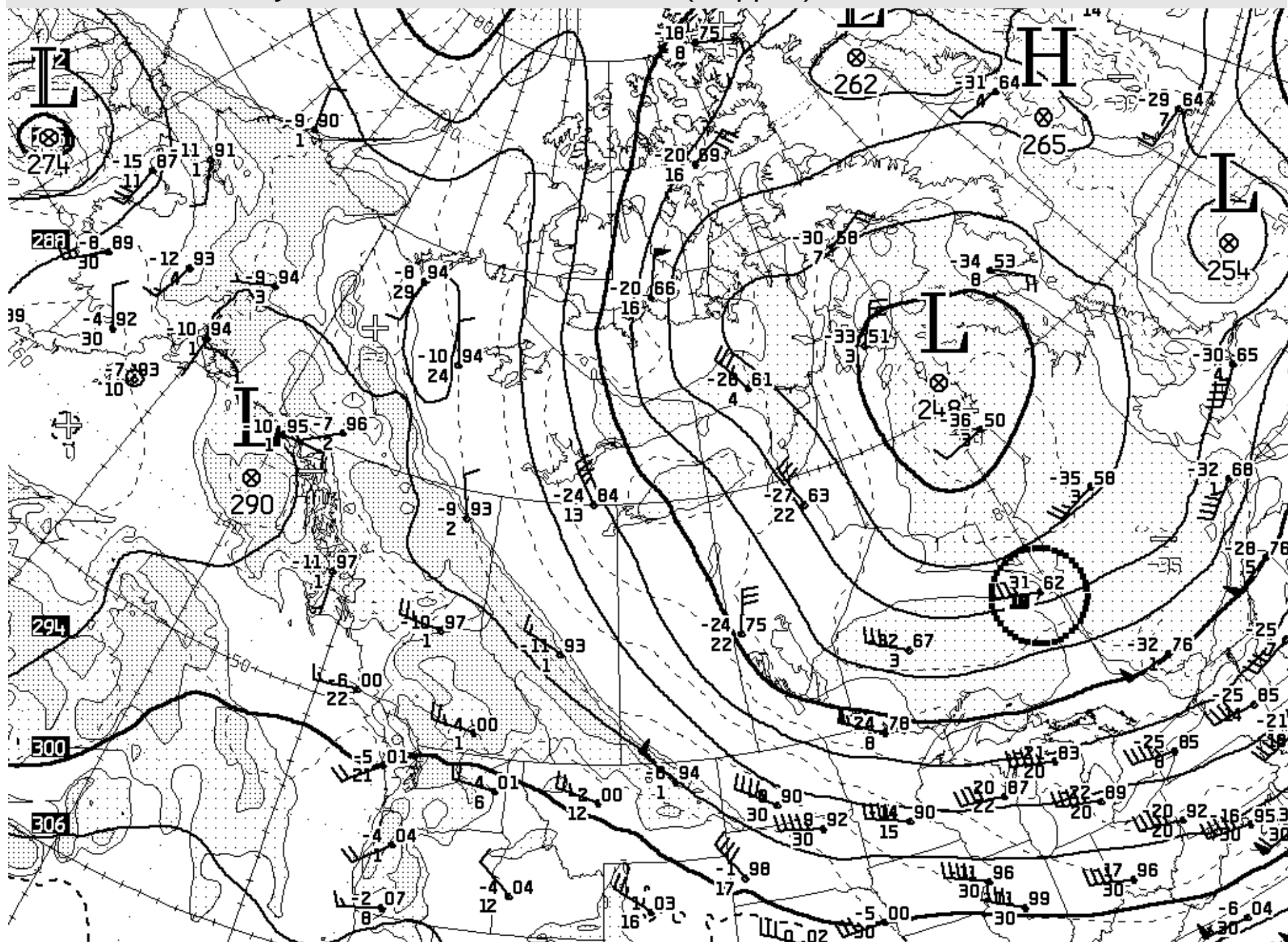
CYEG 151200Z 19003KT 140V200 15SM FEW012 BKN220 M10/M12 A2989 RMK ST1CI7 ST TR SLP158=

sfc wnd dir
varying 140 to
200

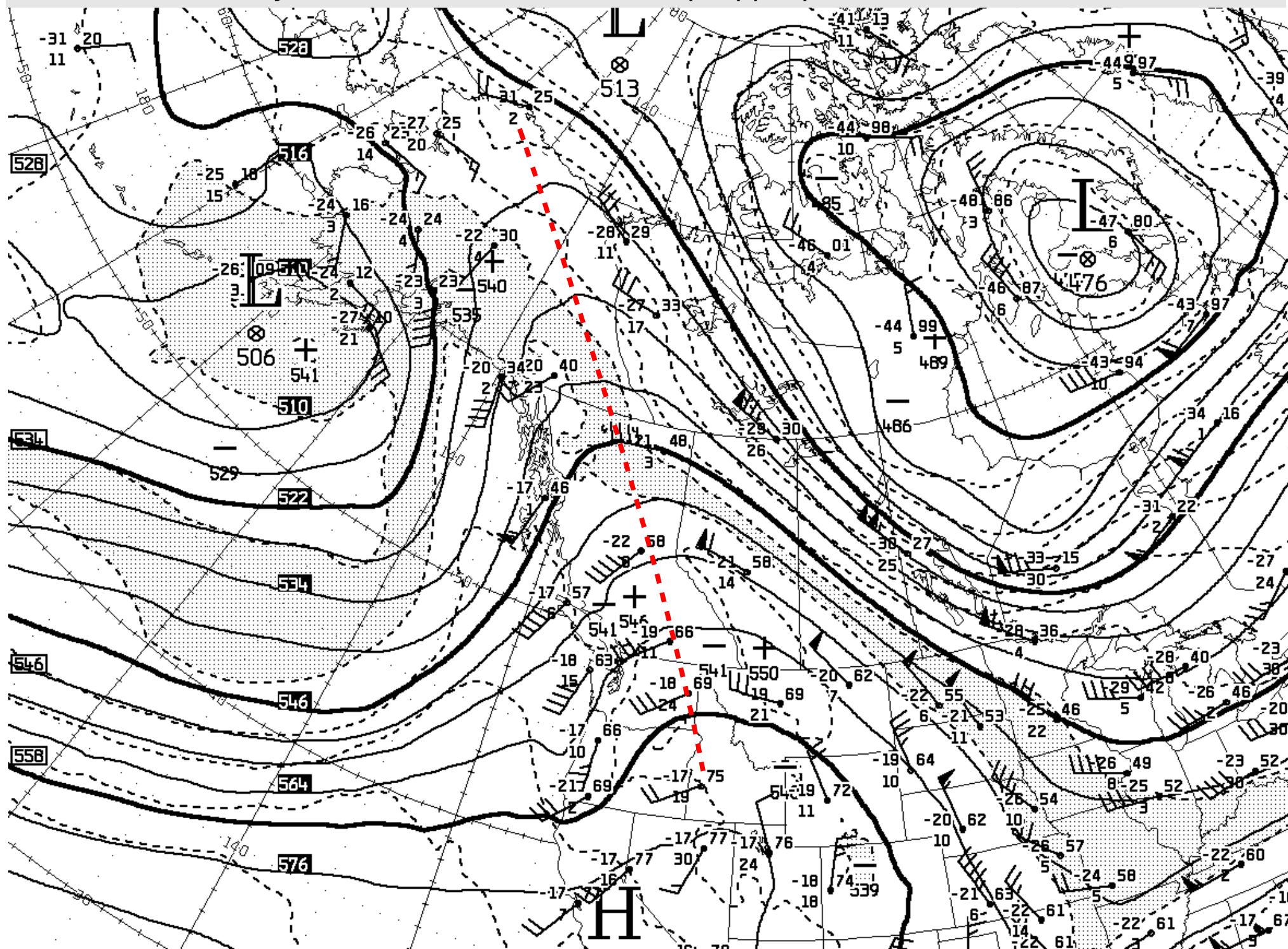
1200
feet
AGL

1 octa stratus
7 octas cirrus

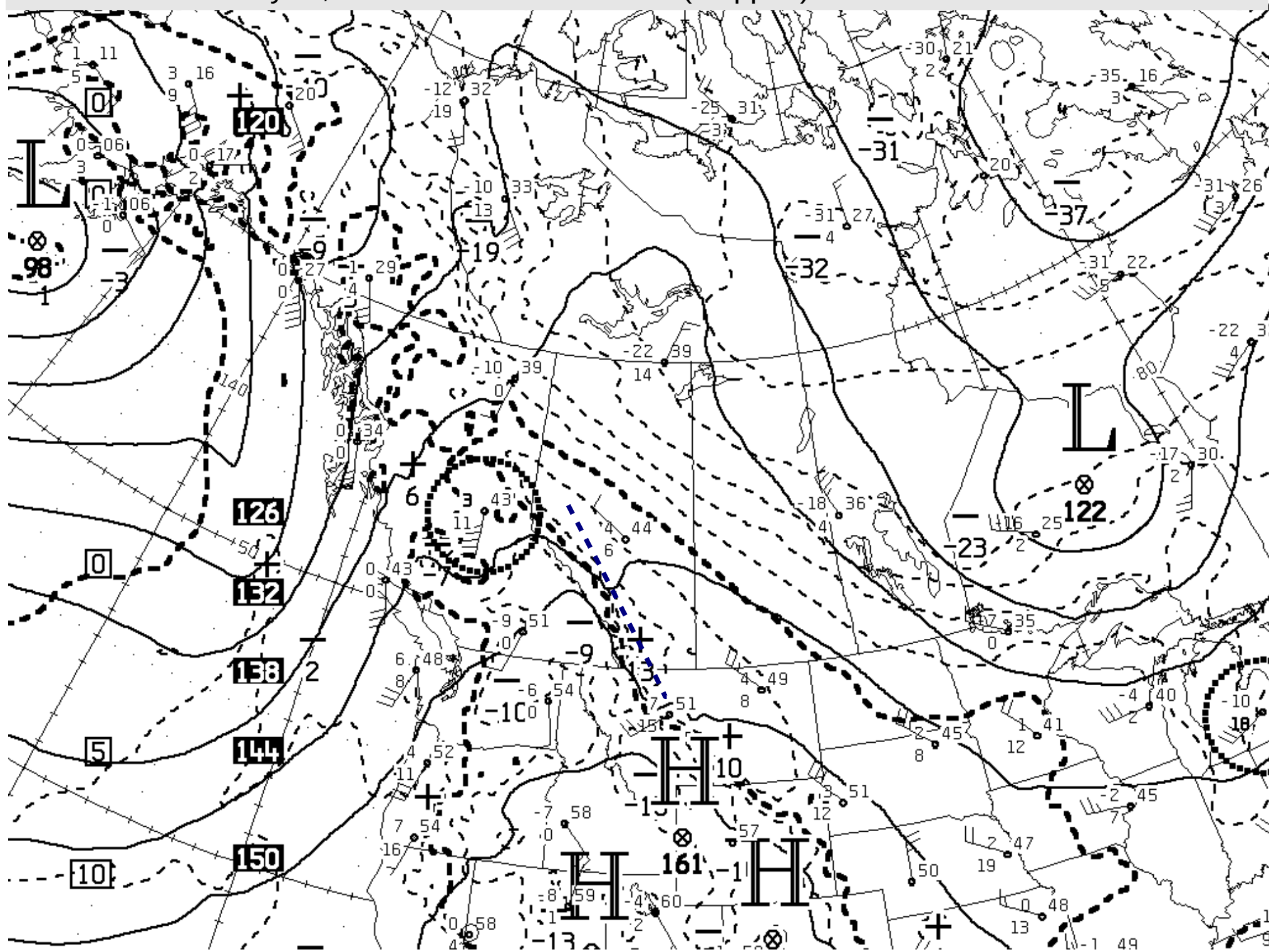
CMC 700 hPa analysis, 12Z Thurs. 15 Jan. 2015 (cropped)



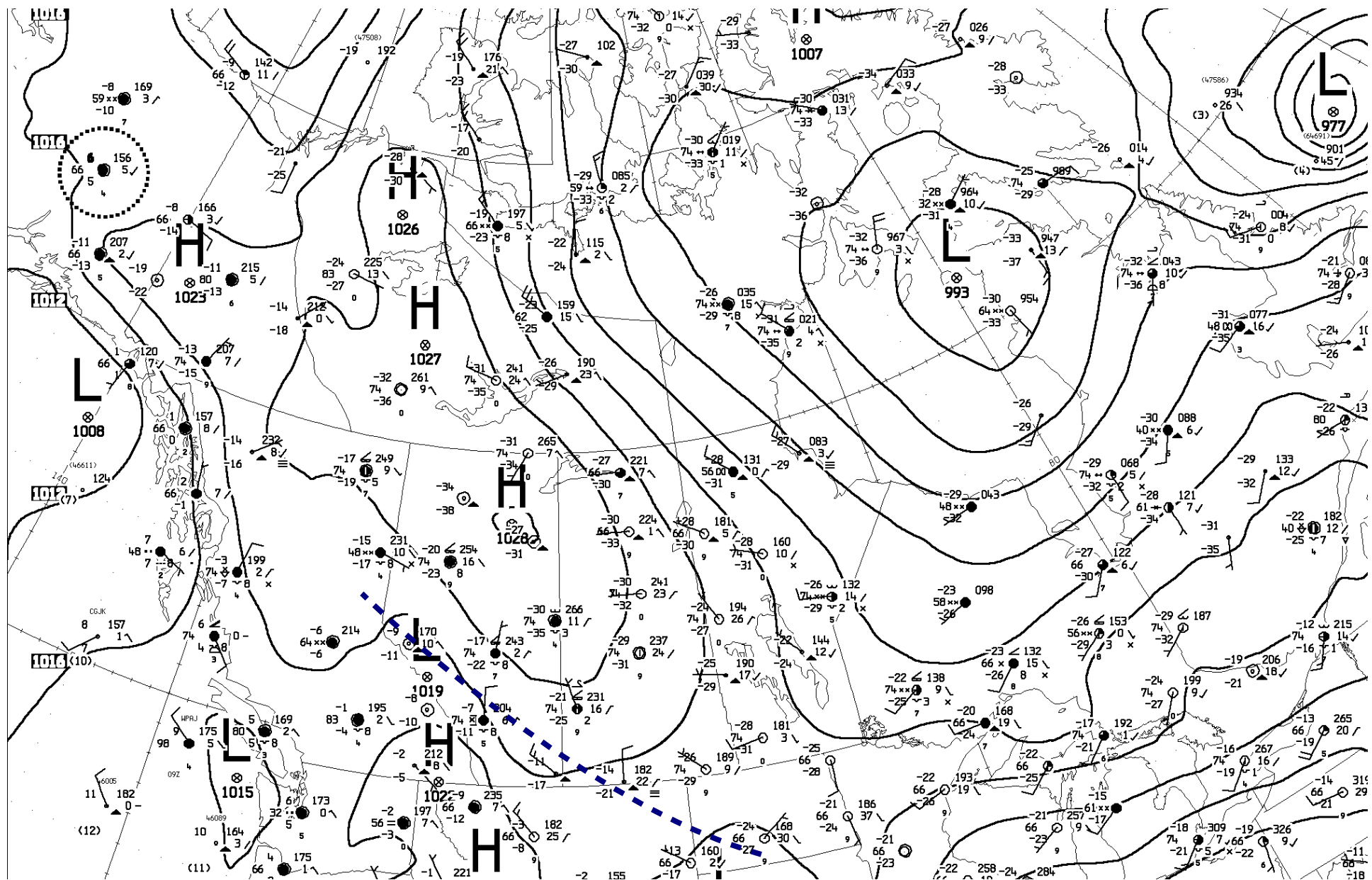
CMC 500 hPa analysis, 12Z Thurs. 15 Jan. 2015 (cropped)



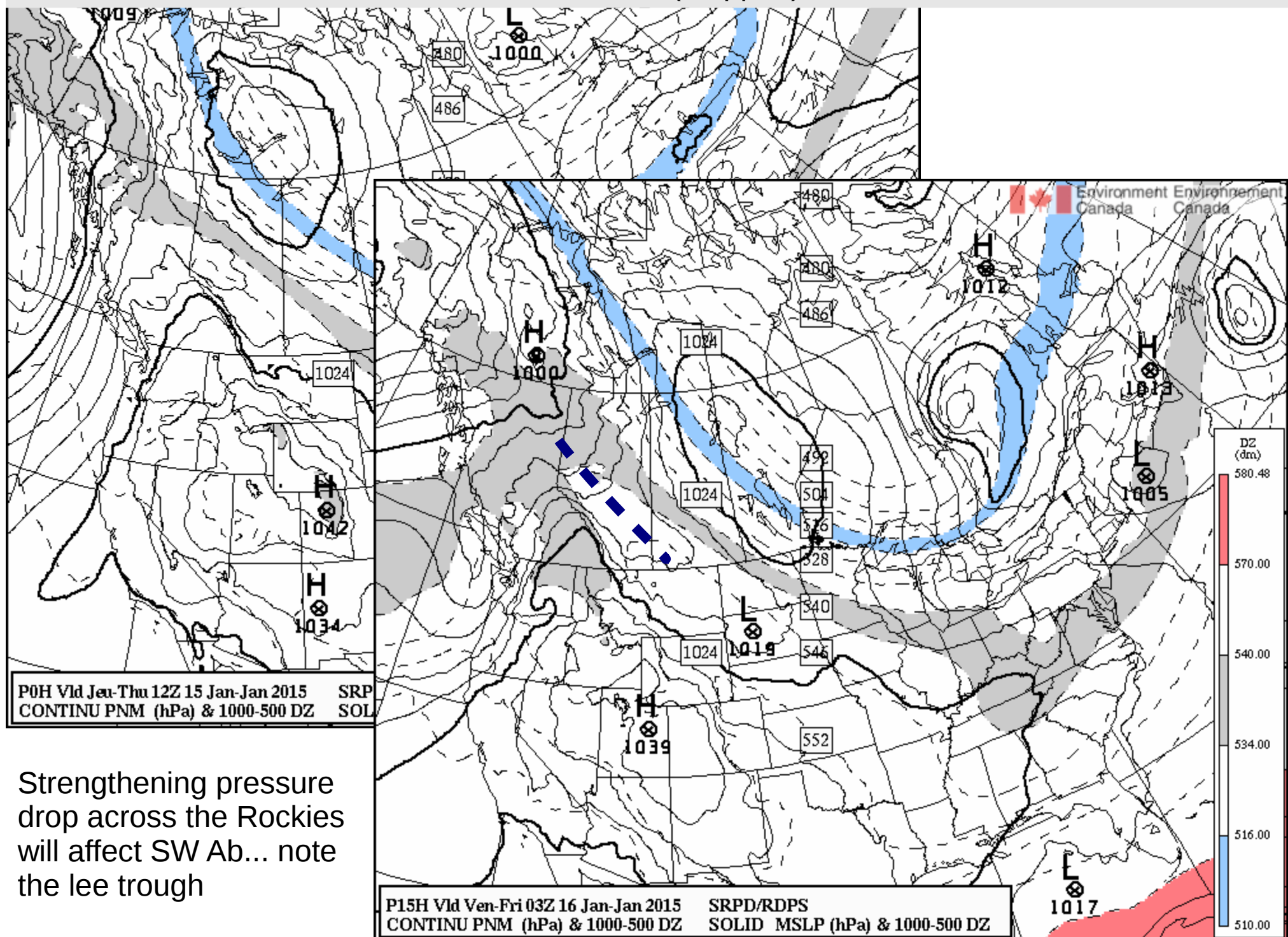
CMC 850 hPa analysis, 12Z Thurs. 15 Jan. 2015 (cropped)



CMC sfc analysis, 12Z Thurs. 15 Jan. 2015 (cropped)



CMC RDPS initialized 12Z Thurs. 15 Jan. 2015 (cropped)



Strengthening pressure drop across the Rockies will affect SW Ab... note the lee trough