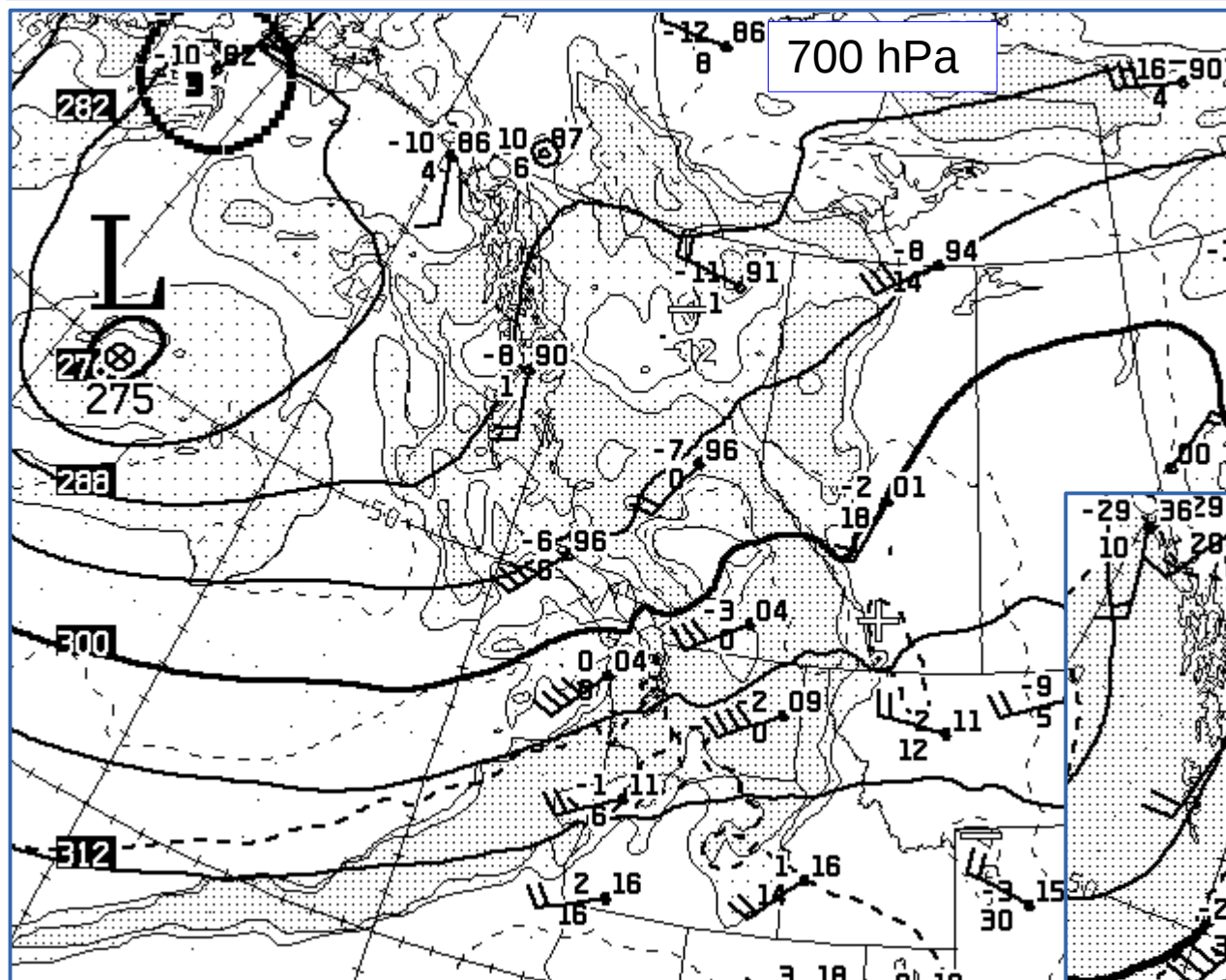
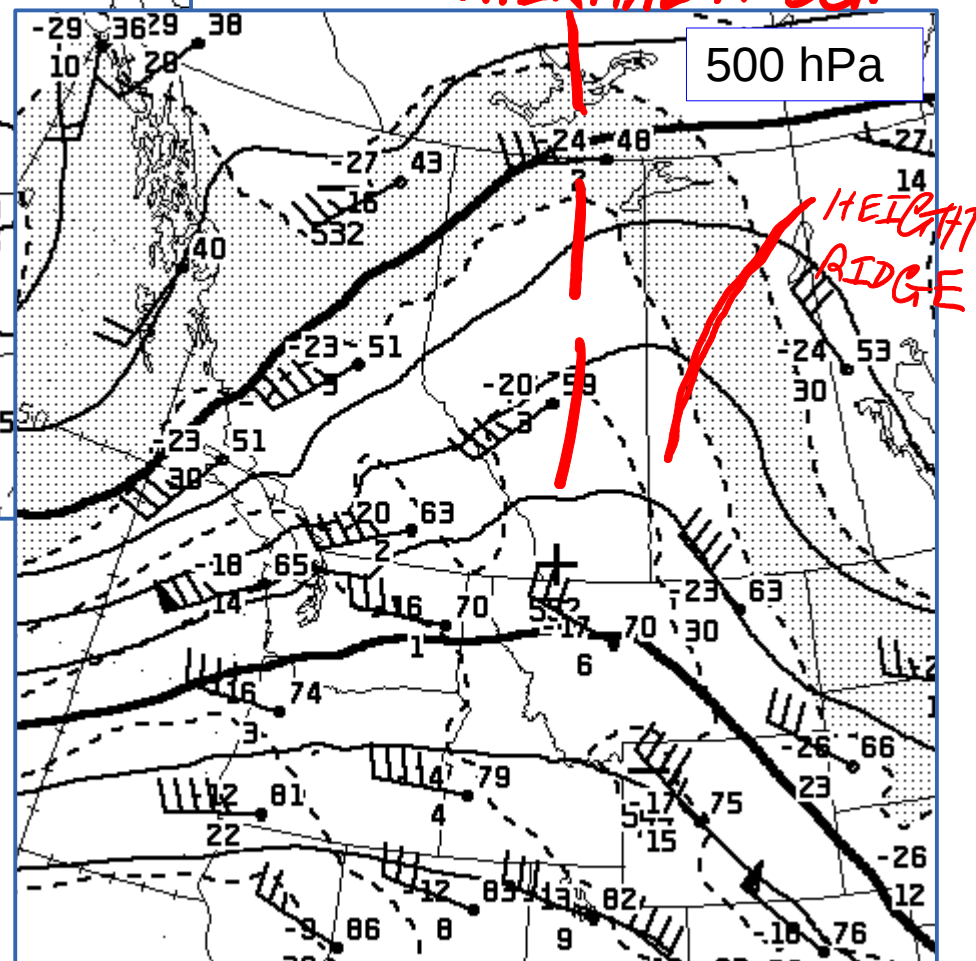


Weather situation Thursday 20 Oct. 2016 – Alberta lee trough (bringing mild, windy weather)



Steep pressure gradient across mountains. Especially if atmos. very stable, this forces strong wind through mountain passes.

THERMAL RIDGE

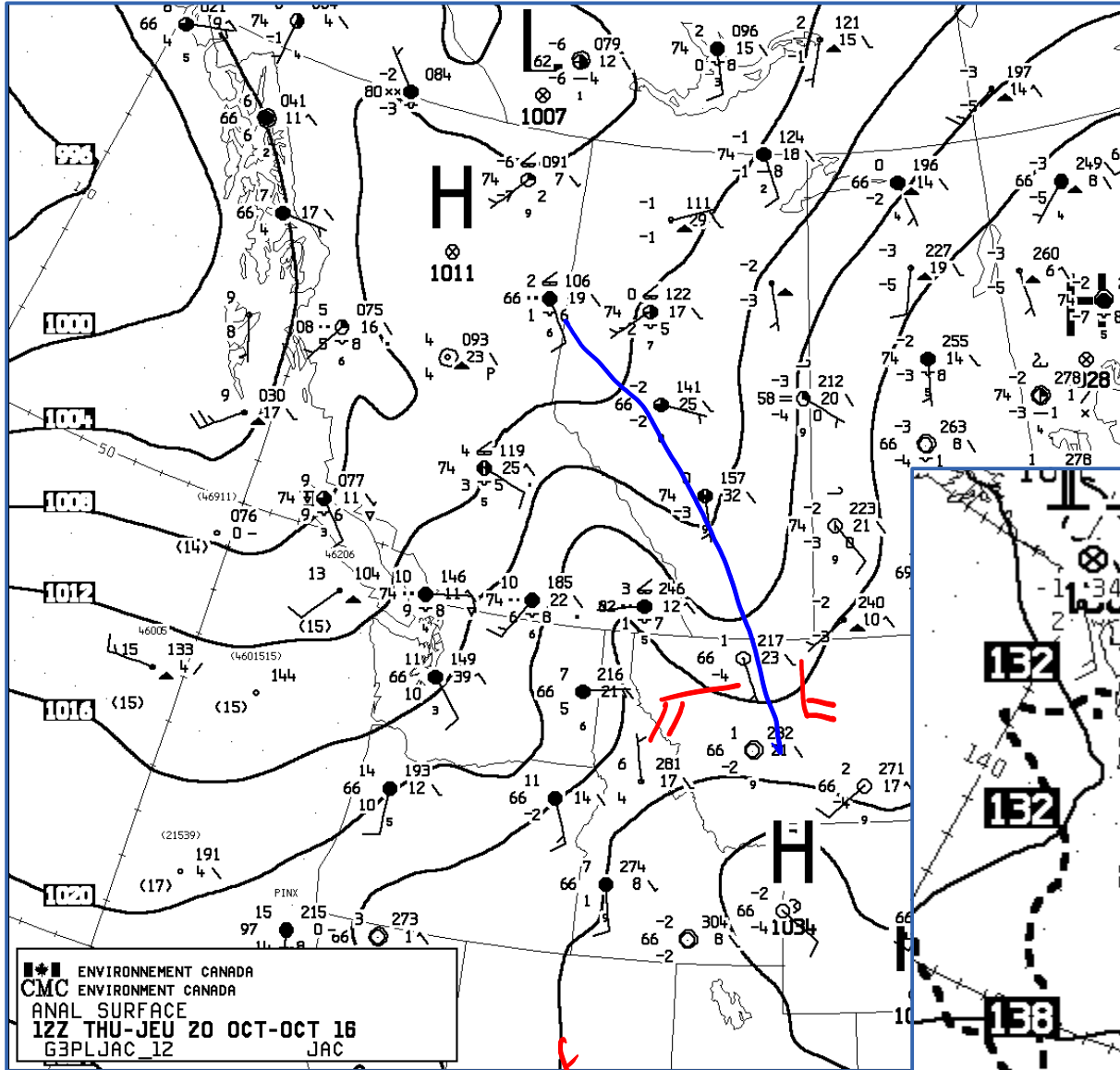


EC 7:00 AM CDT THURS. OCT. 20 2016... WIND WARNING FOR SOUTHWEST ALBERTA.

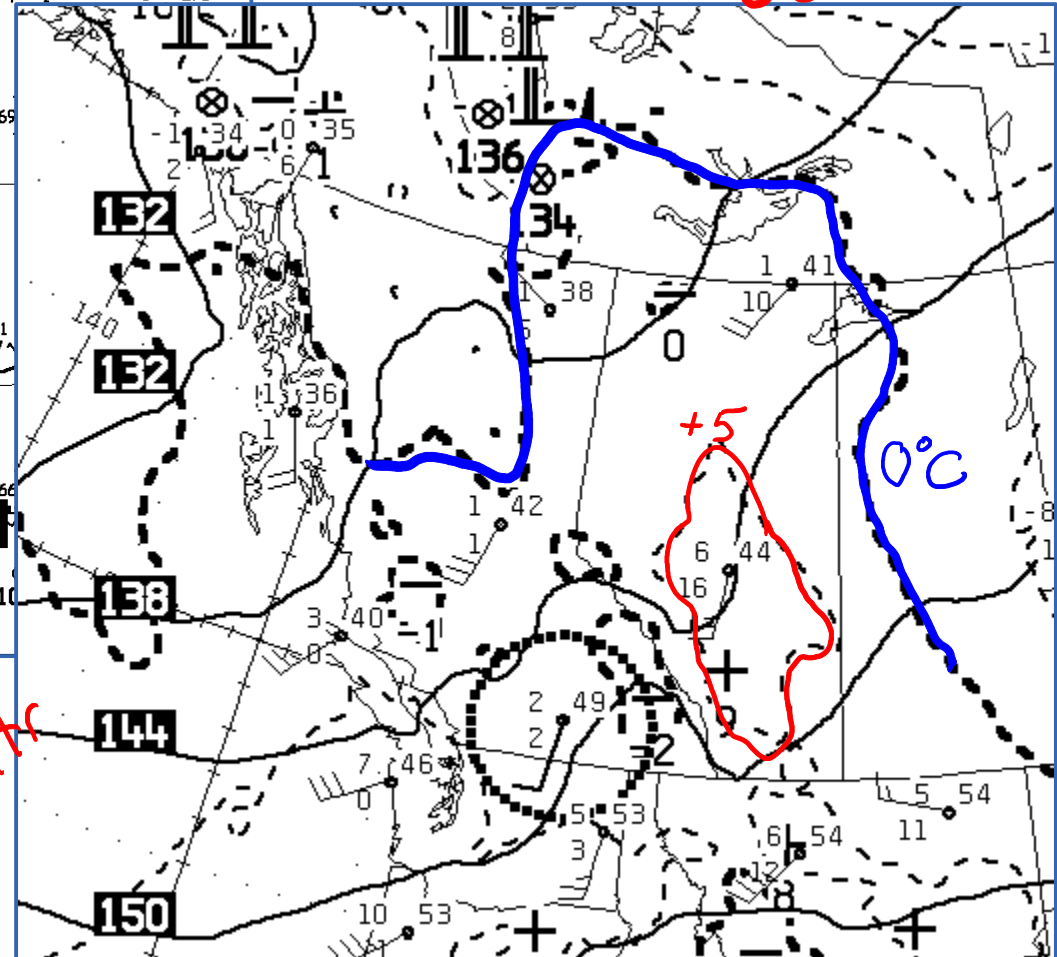
SYNOPSIS... BROAD **UPPER-LEVEL RIDGE** OVER THE PRAIRIES... **LEE TROUGHING THROUGH SOUTHERN ALBERTA**

ALBERTA...WIND WARNINGS IN PLACE FOR SOUTHWESTERN ALBERTA.... WIND GUSTS OF 100 TO 110 KM/H ARE POSSIBLE IN THE CROWSNEST PASS REGION

Weather 12Z Thursday 20 Oct. 2016 – Alberta lee trough (bringing mild, windy weather)



Tend to get wind
convergence into the lee
trough, and resulting
uplift → cloud.
850hPa



1004
1008
direction of
pressure decrease
is perpendicular to
isobar / height ctrs

Weather 12Z Thursday 20 Oct. 2016 – Alberta lee trough (bringing mild, windy weather)

2016-10-20 09:00:00

