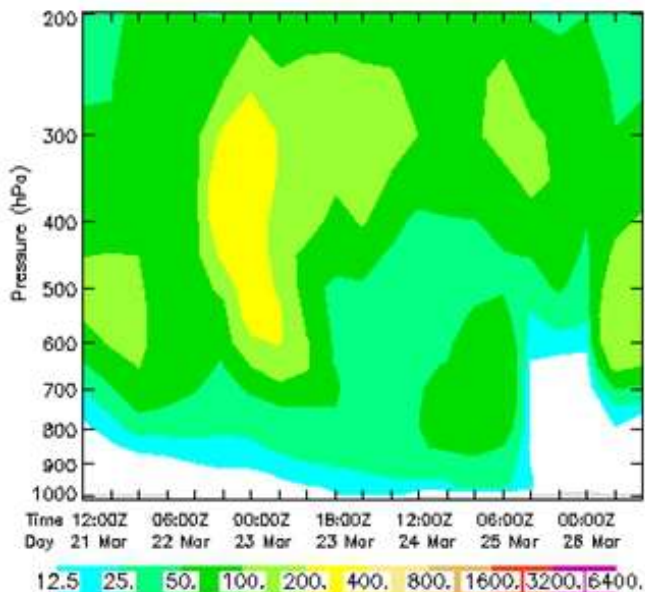
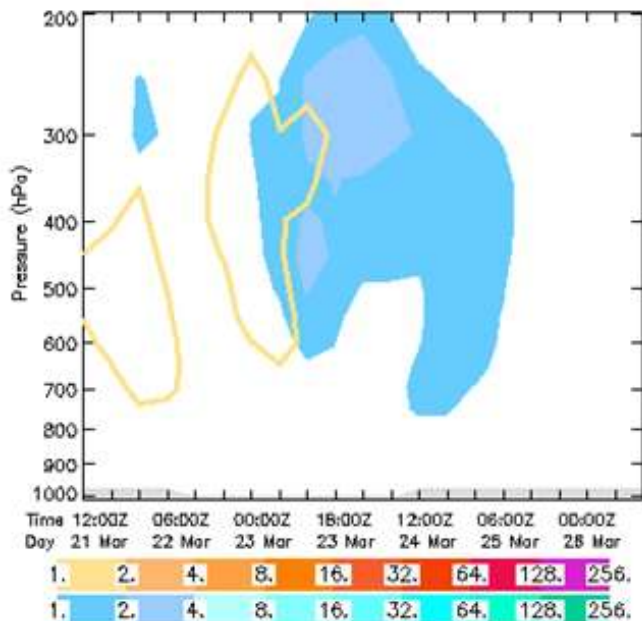


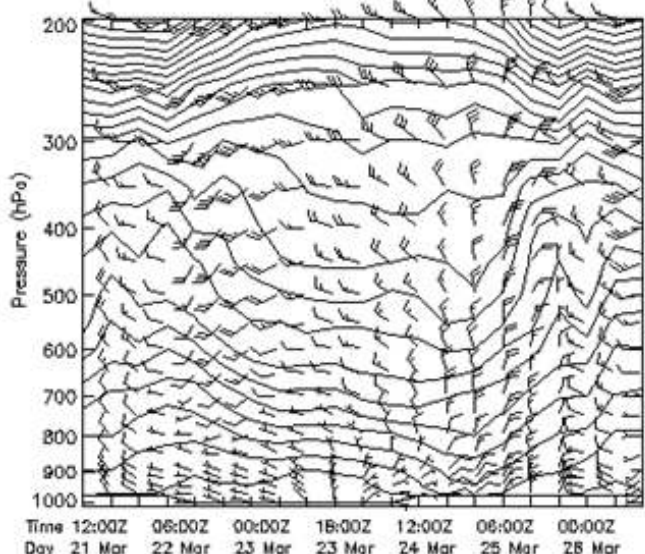
NAAPS Dust (ug/m**3)
cheeka lon=-124.6 lat=48.3 (2010032112 - 2010032612)



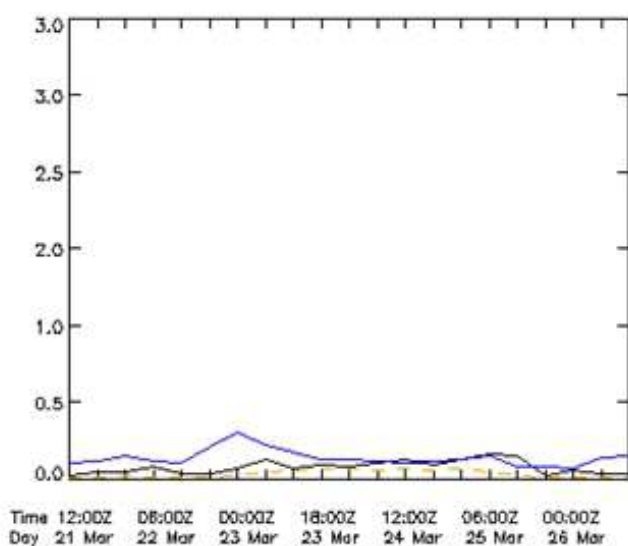
NAAPS Sulfate (red, ug/m**3), Smoke(blue, ug/m**3)
cheeka lon=-124.6 lat=48.3 (2010032112 - 2010032612)



NAAPS Pot Temp (K), Winds
cheeka lon=-124.6 lat=48.3 (2010032112 - 2010032612)



NAAPS Optical Depth: Dust (blue), Sulfate (black), Smoke (dast
at cheeka lon=-124.6 lat=48.3 (2010032112 - 2010032612)



Supplemental Figure 1: NAAPS time-height sections for Cheeka Peak, WA from 21 - 26 March, 2010 showing subsidence and high dust concentrations near the surface on 24 March, 2010. Time period for lidar observations of peak dust is 10:00Z, 24 March - 01:00Z, 25 March, with a reduced impact continuing to 04:00Z, 26 March.