

Concentrations of O_3 associated with the upper level front that moves across the Pacific to the west coast of the U.S.

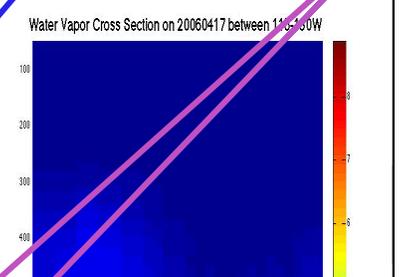
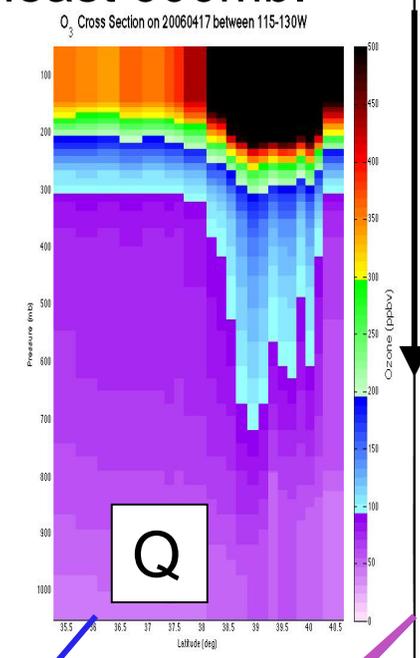
Figures D, E, and F are maps of the NCEP Reanalysis wind vector at 300mb.

Concentrated areas of wind at this altitude ranging from green to red are taken to be jet streaks associated with the Polar Jet. On April 17, the center of a jet streak is located over the CA and assumed to be a region of stratosphere-to-troposphere transport. This region is the focus of the rest of this investigation.

Figure G: O_3 Mixing Ratio on 20060417

Another Three Dimensional View

- Below we view the intrusion parallel to the front. This corresponds spatially and temporally with the jet streak (see Figure U). This TES plot is only preliminary, however, and extends to at least 600mb.



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