

12.818: INTRODUCTION TO ATMOSPHERIC DATA AND LARGE-SCALE DYNAMICS
PROJECT NINE: ISENTROPIC POTENTIAL VORTICITY AND
TROPOPAUSE TEMPERATURE MAPS

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In this project, we will make estimates for the vertical velocity of air parcels in the atmosphere using two different methods, by inference from the vorticity equation and by the use of isentropic analysis.

- 1 Potential vorticity on isentropic surfaces**
- 2 Tropopause maps**
- 3 A case study**