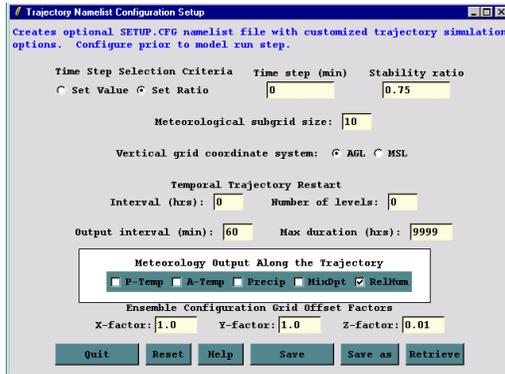


## Meteorological Variations on a Trajectory

Configure the [control file](#) for a trajectory simulation from 40 N and 0 W from 1500 m using the ECMWF data and the vertical motion data field. The resulting trajectory goes to the northeast. If the value of the selected meteorological variables is desired along that trajectory, a flag in the [configuration file](#) can be set through the “advanced” menu tab. Ambient and potential temperature, precipitation, mixing depth, and relative humidity are currently the only available options. One or more fields may be selected, all will be written to the output file, but only the last value can be plotted.



Upon completion of the calculation, the vertical coordinate used to display the trajectory can be selected from the display menu. Pressure and height are available for all trajectories, potential temperature (theta) is only available for isentropic trajectories, and only the last selected meteorological variable can be plotted.

