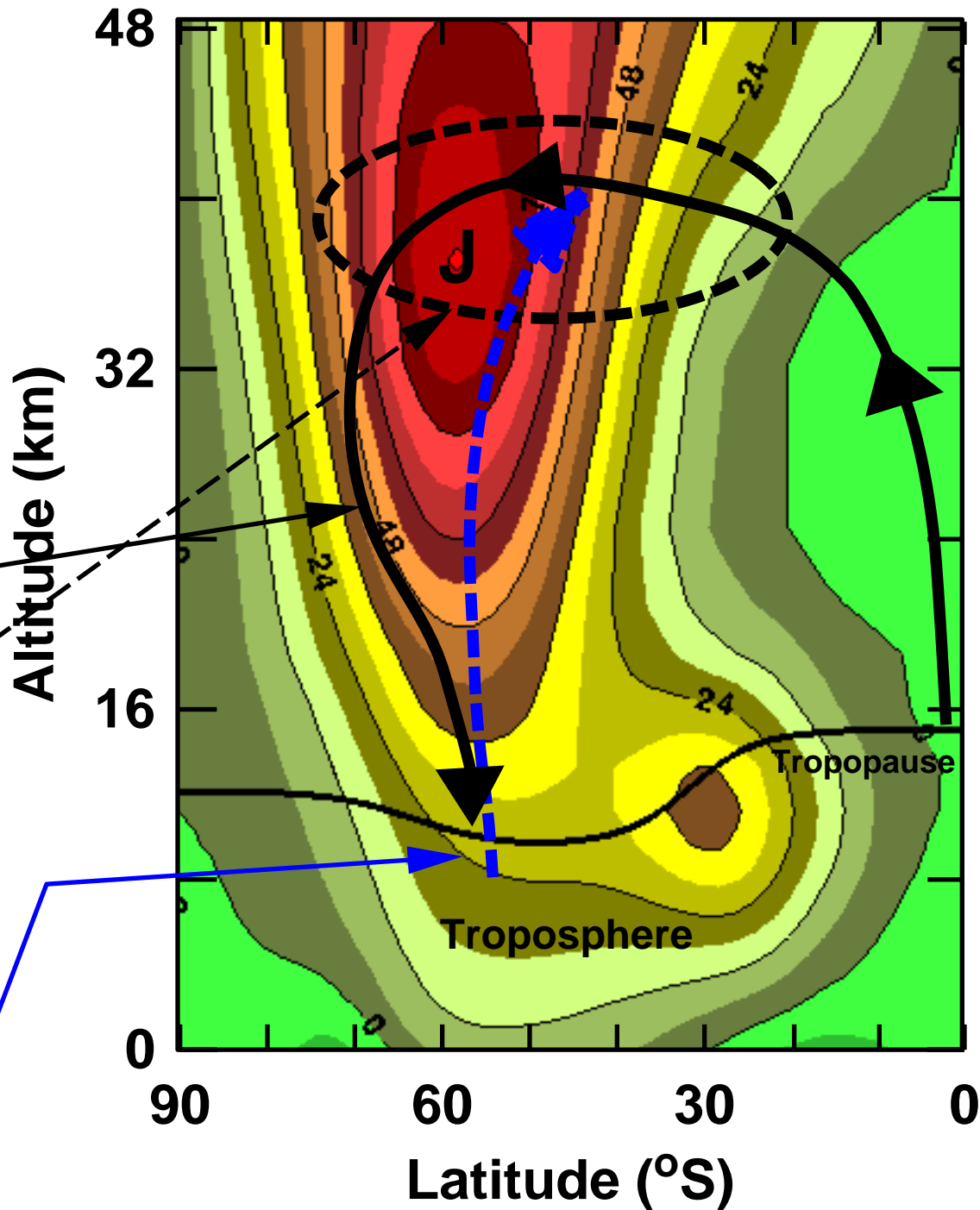


August Zonal Mean Wind



Waves or weather disturbances move upward from the troposphere into the stratosphere, predominantly along the jet axis.

The waves decelerate the jet stream.

This wave deceleration is compensated by a Coriolis force of a very slow north to south circulation. This slow circulation causes lifting in the tropics, and sinking in the Antarctic stratosphere.