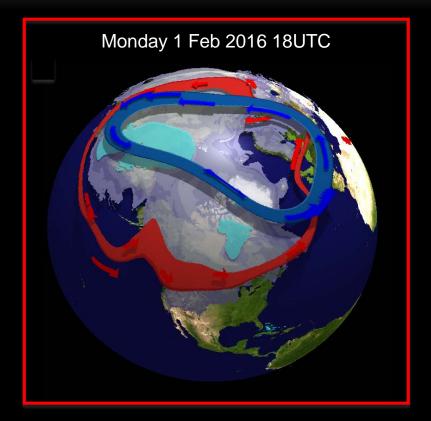
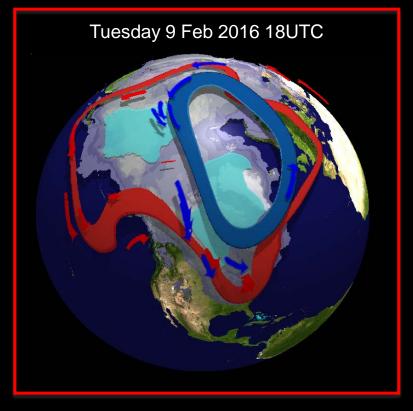
Tropospheric and stratospheric circulation changes related to the cold outbreak over the eastern US during the week of 8-14 February 2016.







The polar vortex in the troposphere (red) and the stratosphere (blue) distorted over North America as an outbreak of cold surface air (cyan) moved south over the eastern side of the USA.

30 hPa heights (blue 22.5--23 km) 200 hPa heights (red 11.345--11.5 km) Surface temperatures (< 0° C magenta) 1000-500 hPa thickness (< 5 km cyan)