Data from NOAA NCEP–NCAR CDAS–1 Reanalysis

black: August monthly climatology 1980–2011
red: August 2003
green: August 1993
blue: July 1993
cyane: July 2000
magenta: July 2010
orange: August 2001
dkgreen: July 1981

A: monthly mean zonally averaged zonal wind at 300 hPA

black: August monthly climatology 1980–2011
red: August 2003
green: August 1993
blue: July 1993
cyane: July 2000
magenta: July 2010
orange: August 2001
dkgreen: July 1981

B: monthly mean zonally averaged temperature at 850 hPA