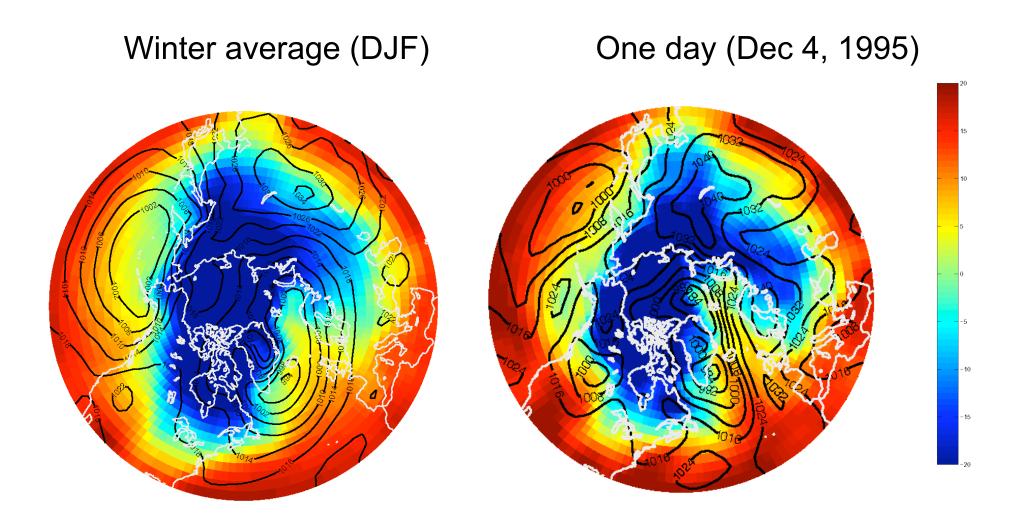


Wintertime sea level pressure and surface temperature



Wintertime Geopotential Heights

NCEP 500mb heights: DJF 1949 2003



NCEP 500mb heights: Dec 4 1995



N.B. Units shown are decameters! (i.e. 550 dm =5500 m)

Geopotential Height: $z = \phi/g_0$ where: z = geopotential height, ϕ =geopotential, g_0 = reference gravity In geostrophic balance, z contours are streamlines of the flow

Annually averaged energy flux

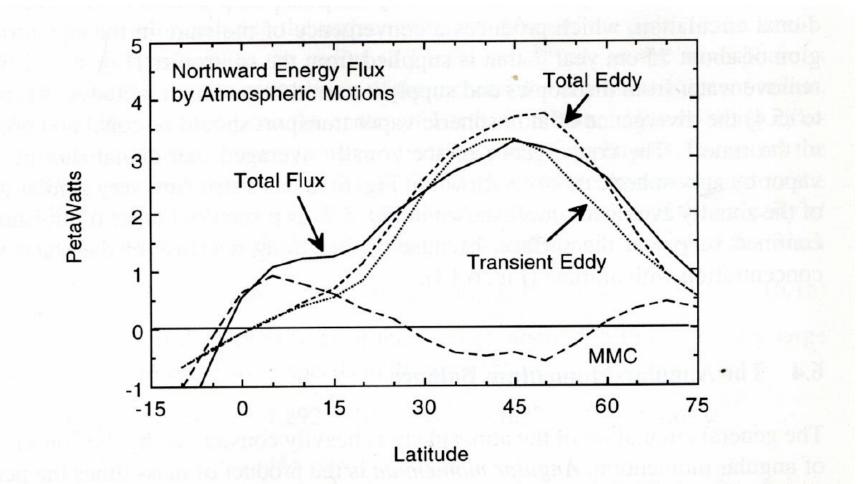


Fig. 6.11 Annual average northward energy flux plotted versus latitude in the Northern Hemisphere. Units are 10¹⁵ W. Mean meridional circulation (MMC). [Data from Oort (1971). Reprinted with permission from the American Meteorological Society.]

