Trans-Pacific transport of Asian dust and CO: Accumulation of biomass burning CO in subtropics and dipole structure of transport

J. Nam\textsuperscript{1}, Y. Wang\textsuperscript{1}, C. Luo\textsuperscript{1}, and D.A. Chu\textsuperscript{2}

\textsuperscript{1}School of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, GA, 30332, USA
\textsuperscript{2}NASA Goddard Space Flight Center, Greenbelt, MD, 20771, USA

Abstract. Dust AOD at 550 nm simulated using emission scheme by Ginoux et al. (2001) and Zender et al. (2003) were presented for 5\textasciitilde8, 14\textasciitilde17, and 25\textasciitilde28 May 2003. Wind vectors from GEOS-4 and the NCEP reanalysis at 500 hPa and 900 hPa during 1\textasciitilde2 May 2003 were presented.
Fig. 1. AOD at 550 nm of dust simulated using emission scheme by Ginoux et al. (2001) (left) and Zender et al. (2003) (right) within GEOS-Chem over the Pacific during 5~8 (first row), 14~17 (second row), and 25~28 (third row) May 2003.
Fig. 2. GEOS-4 wind vectors (left) at 500 hPa (above) and 900 hPa (below) used in model simulations and the corresponding wind vectors from the NCEP reanalysis (right) during 1~2 May 2003.