

**GMI Aura4**  
**Regional Adjustment to OTD/LIS**  
**Grid Cell Adjustment to OTD/LIS**  
**Grid Cell Adj. with LNOx \* 2 in midlatitudes**

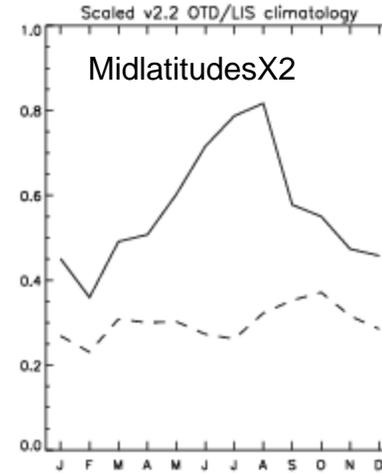
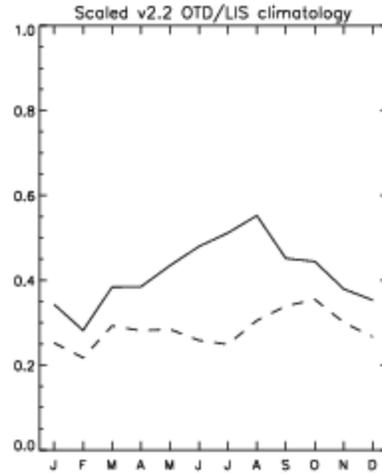
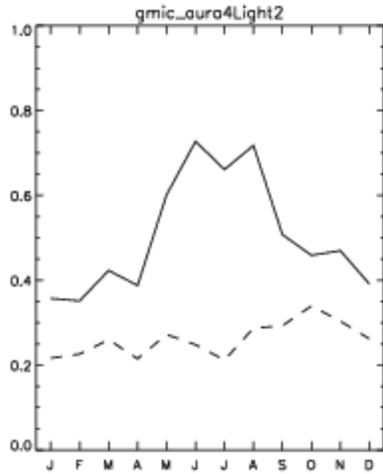
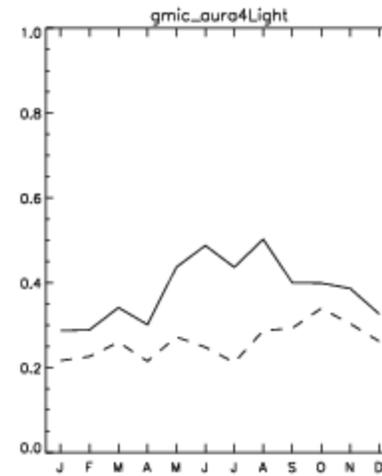
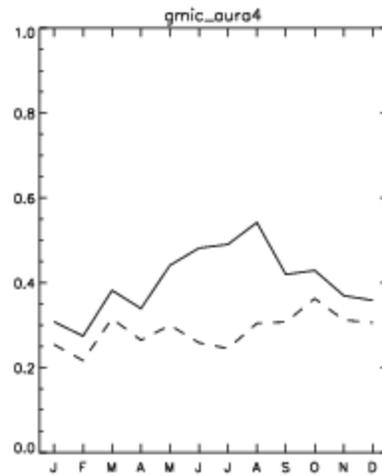
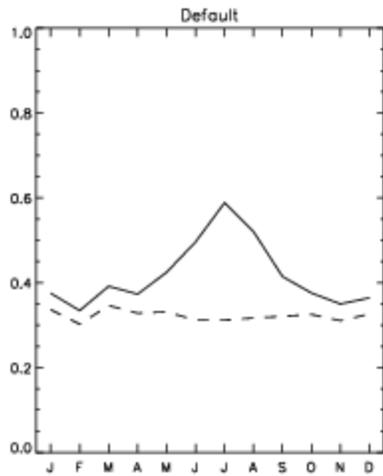
Allen, Pickering, Duncan

# Flash rates as a function of month for various simulations/scenarios

ISCCP climatology

Gmic\_aura4

GMlc\_aura4Light

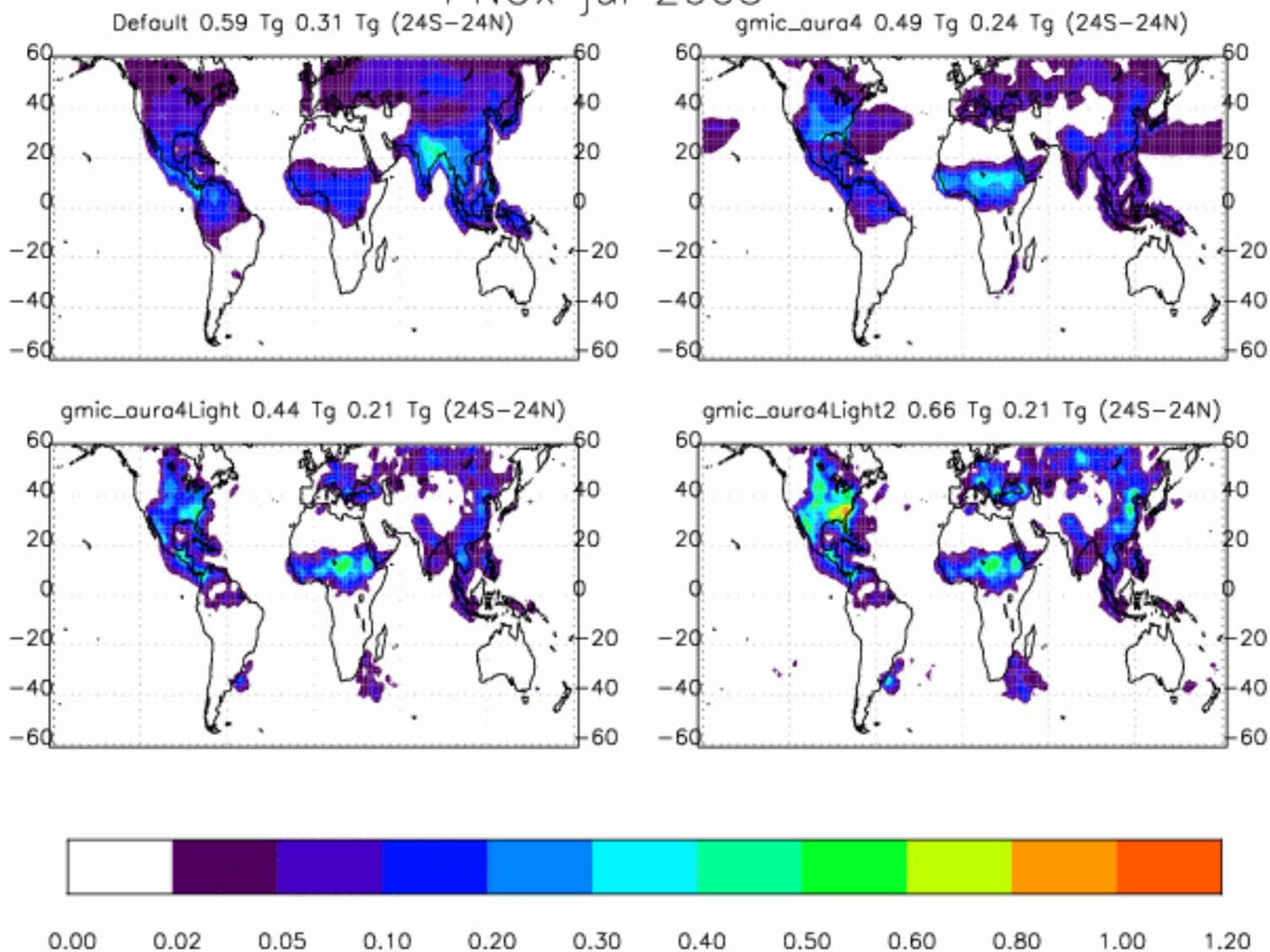


GMlc\_aura4Light2

Scaled OTD/LIS

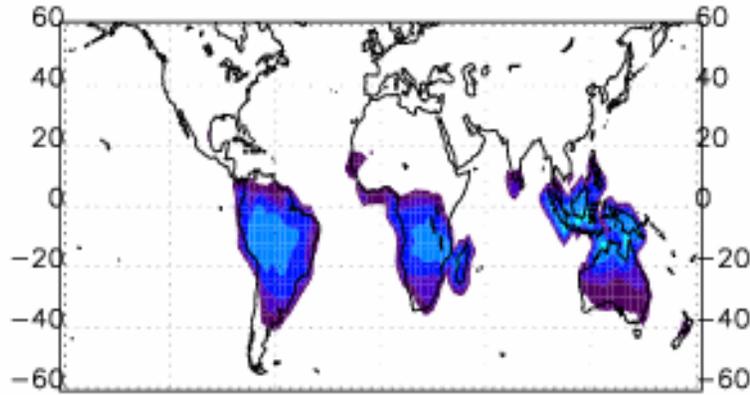
Scaled OTD/LIS

# PNOx jul 2005

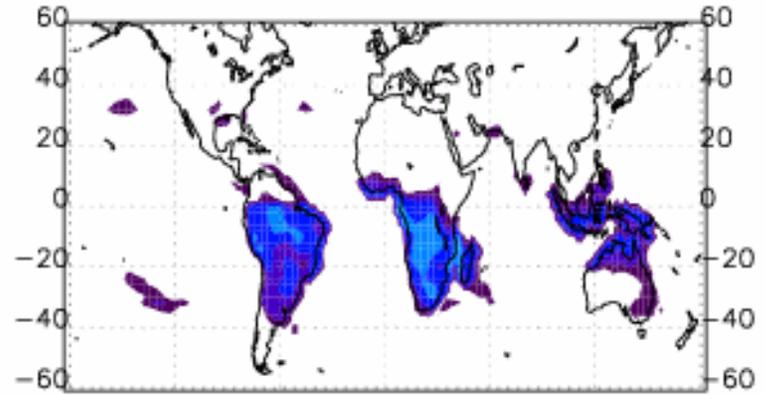


# PNOx jan 2005

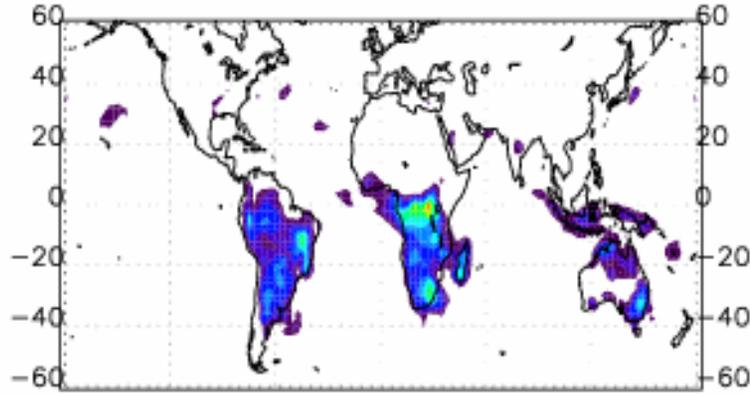
Default 0.38 Tg 0.34 Tg (24S-24N)



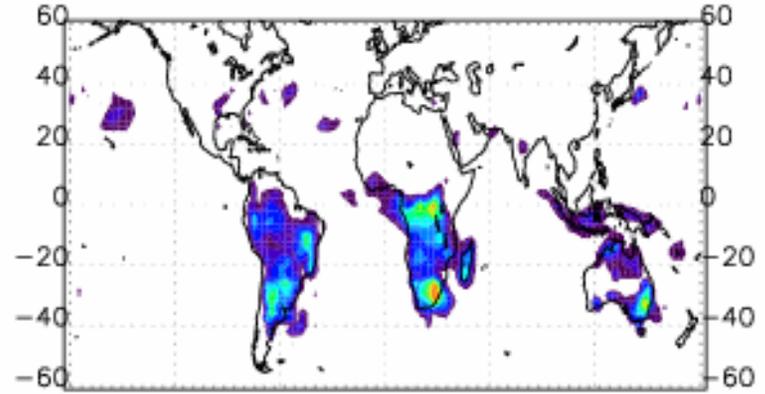
gmic\_aura4 0.31 Tg 0.25 Tg (24S-24N)



gmic\_aura4Light 0.29 Tg 0.22 Tg (24S-24N)



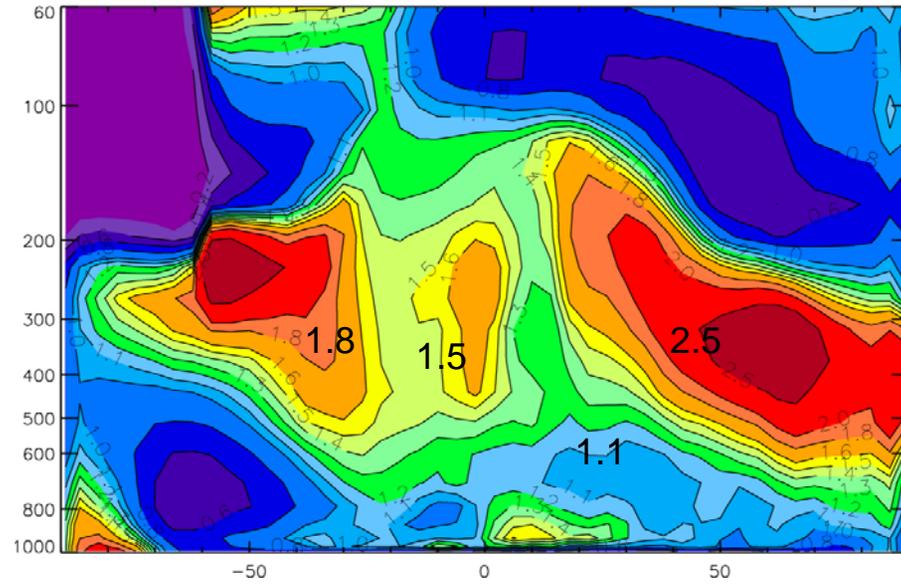
gmic\_aura4Light2 0.36 Tg 0.22 Tg (24S-24N)



0.00 0.02 0.05 0.10 0.20 0.30 0.40 0.50 0.60 0.80 1.00 1.20

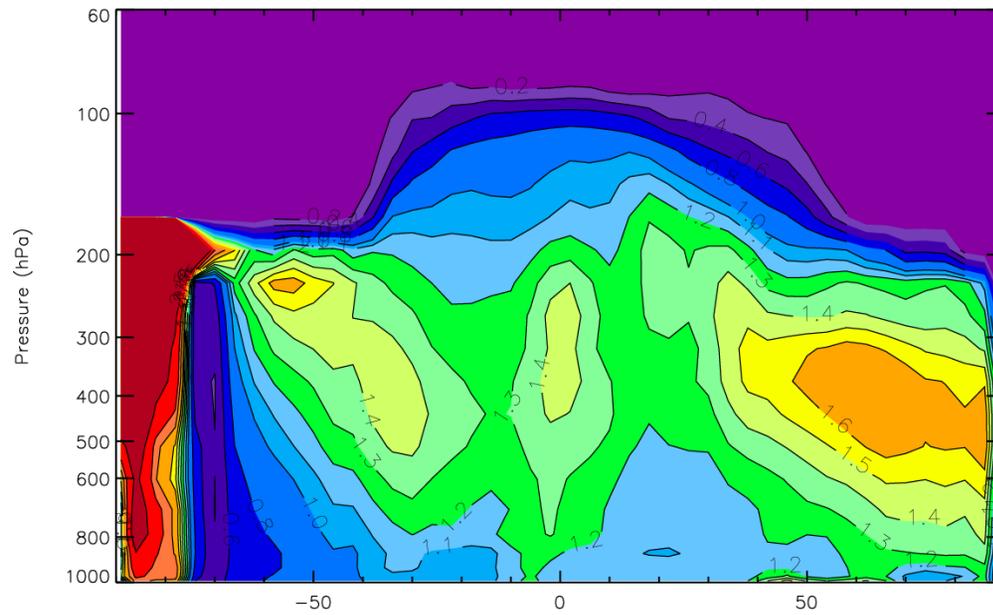
# GEOS-Chem/GMI July 2005

GEOS4/AURA4 NOx July 2005



**NOx**

GEOS4/AURA4 OH July 2005



**OH**

# July 2005 NOx Aura4Grid/Aura4Regional

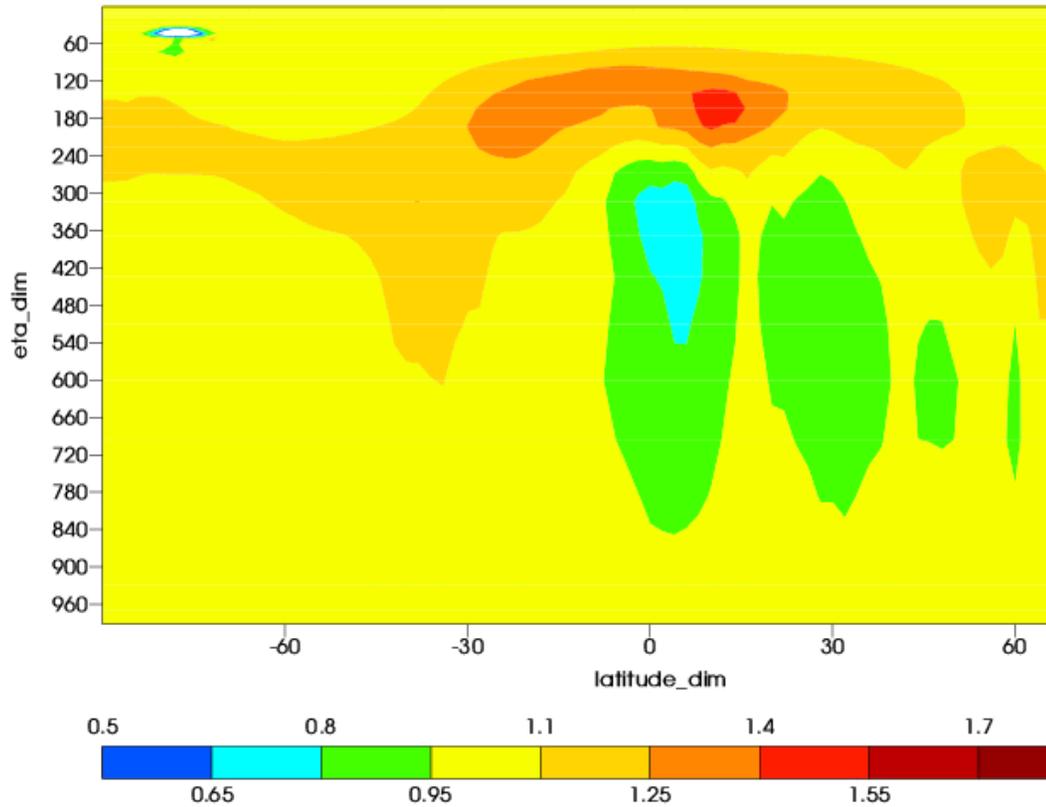
NOxrat\_OTDC Constituent

volume mixing ratio

Mean 1.02519

Max 1.49057

Min 0.0983271



July 2005 OH

Aura4Grid/Aura4Regional

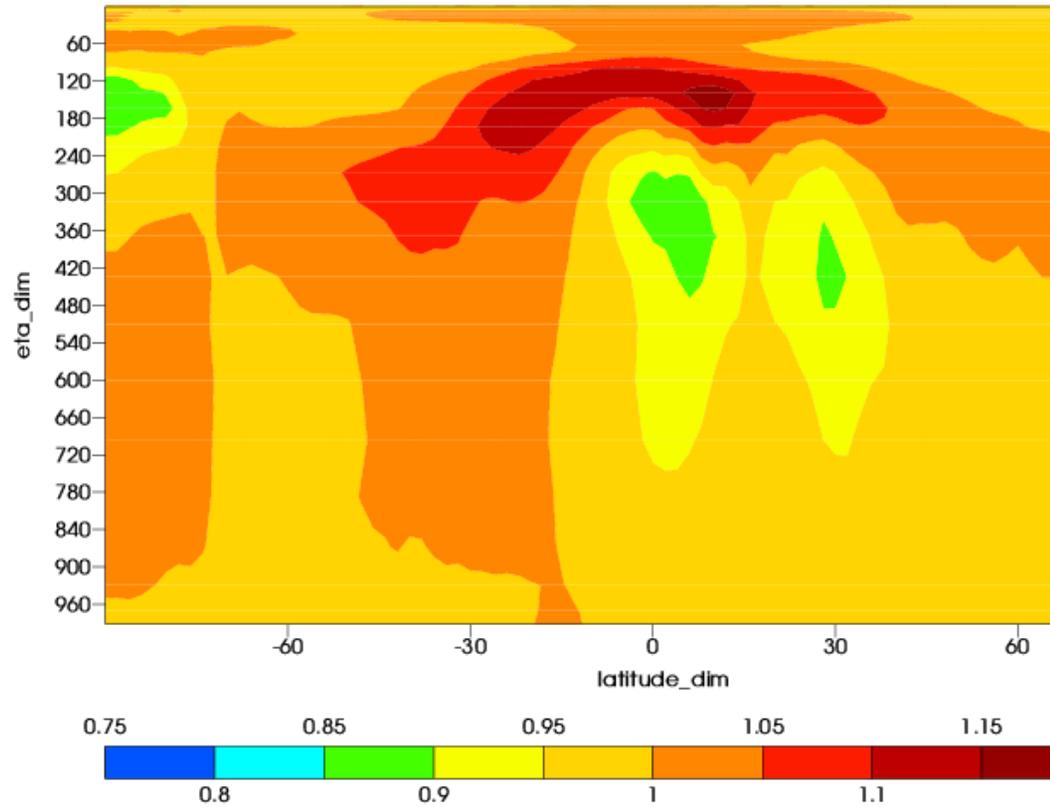
OHrat\_OTD\_Constituent

volume mixing ratio

Mean 1.00045

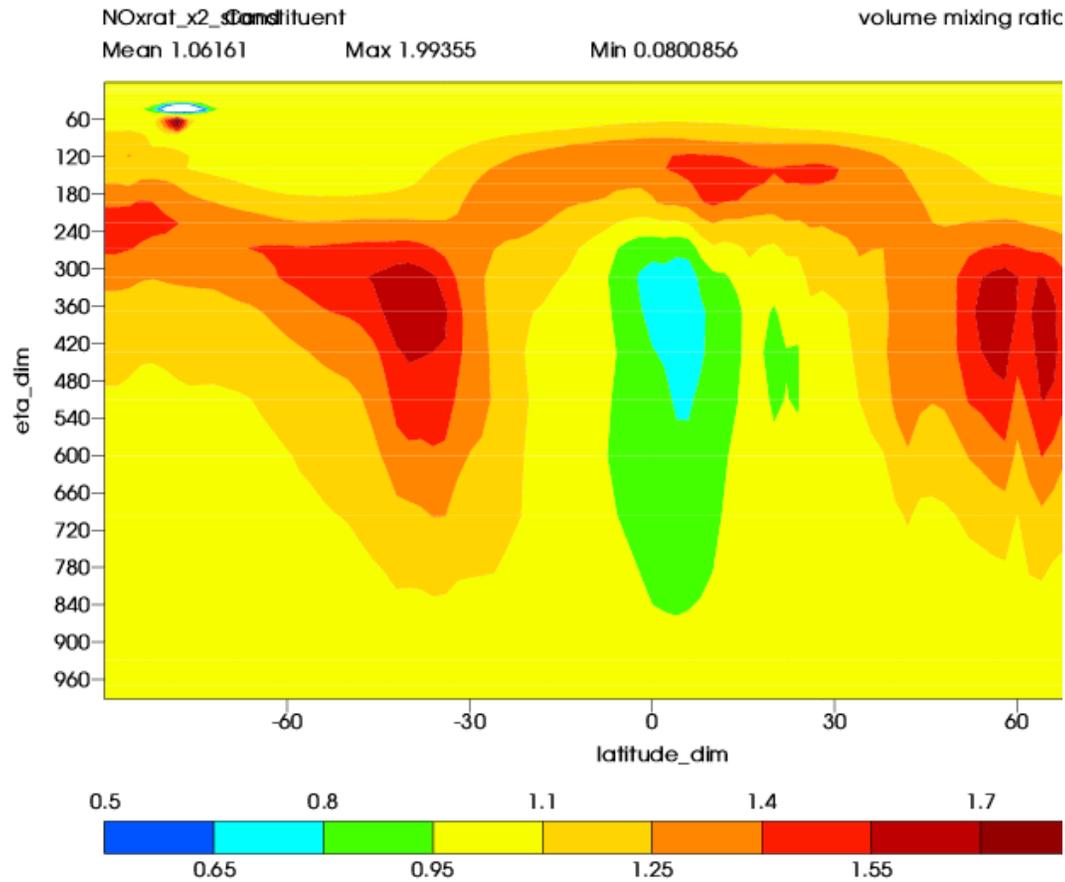
Max 1.18205

Min 0.850081



July 2005 NOx

Aura4GridX2Mid/Aura4Grid



July 2005 OH

Aura4GridX2Mid/Aura4Grid

