ACE

WACCM

(a) Fourth* Layer Above Tropopause: 3.0–4.0 km

NH Trend: +0.06 ppmv dec^{-1}
SH Trend: +0.07 ppmv dec^{-1}
Hemispheric Correlation: 0.609

(b) Third Layer Above Tropopause: ~(2.50–3.25) km

NH Trend: +0.49 ppmv dec^{-1}
SH Trend: +0.89 ppmv dec^{-1}
Hemispheric Correlation: 0.510

(c) Second Layer Above Tropopause: 1.0–2.0 km

NH Trend: +0.02 ppmv dec^{-1}
SH Trend: +0.12 ppmv dec^{-1}
Hemispheric Correlation: 0.131

(d) Second Layer Above Tropopause: ~(1.25–2.50) km

NH Trend: +0.81 ppmv dec^{-1}
SH Trend: +1.36 ppmv dec^{-1}
Hemispheric Correlation: 0.198

(e) First Layer Above Tropopause: 0.0–1.0 km

NH Trend: +0.12 ppmv dec^{-1}
SH Trend: +0.43 ppmv dec^{-1}
Hemispheric Correlation: 0.053

(f) First Layer Above Tropopause: ~(0.00–1.25) km

NH Trend: +0.60 ppmv dec^{-1}
SH Trend: +1.03 ppmv dec^{-1}
Hemispheric Correlation: 0.168

H_2O anomaly (ppmv)