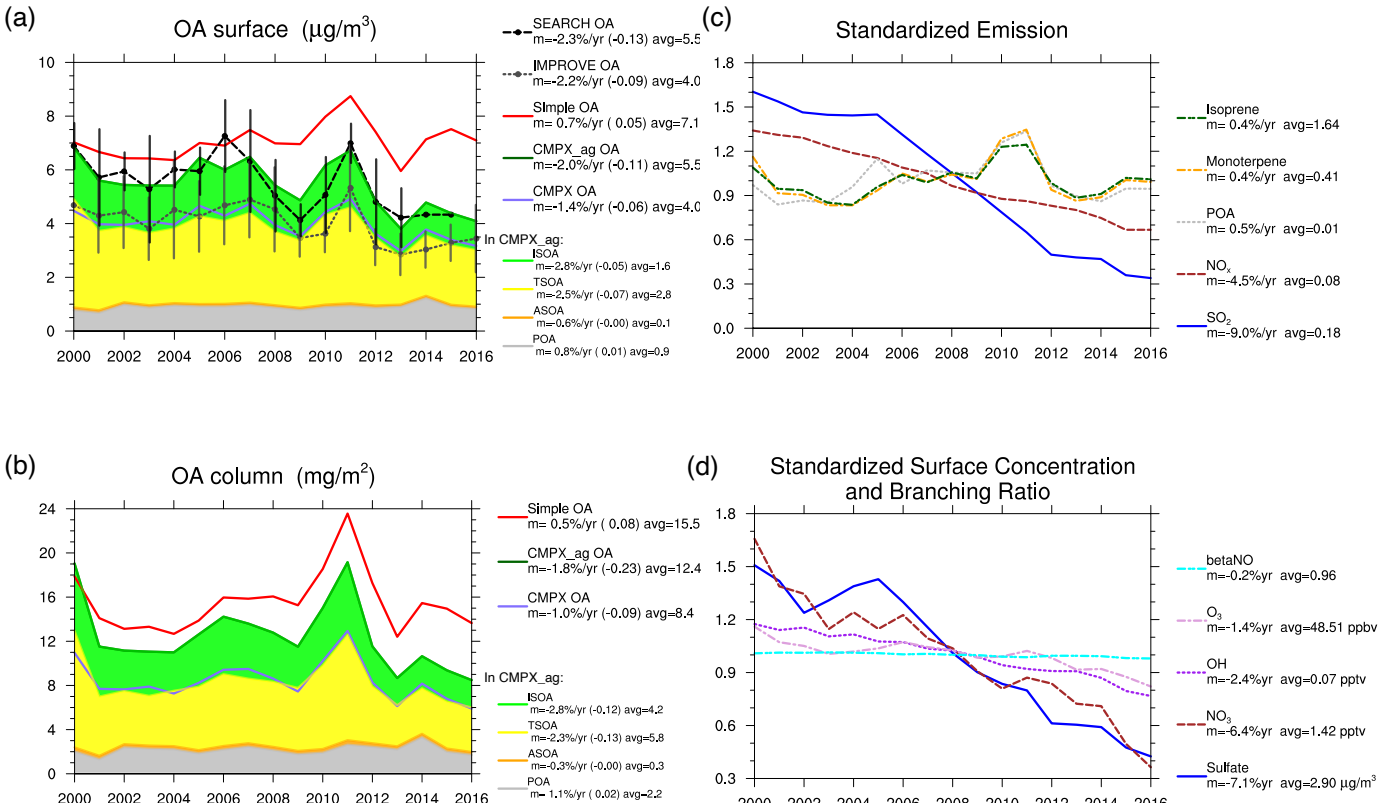
(a)
OA surface (μg/m3)
SEARCH OA
m=-2.3%/yr (-0.13) avg=5.5
IMPROVE OA
m=-2.2%/yr (-0.09) avg=4.0
SImple OA
m= 0.7%/yr (0.05) avg=7.1
CMPX_ag OA
m=-2.0%/yr (-0.11) avg=5.5
CMPX OA
m=-1.4%/yr (-0.06) avg=4.0
In CMPX_ag:
ISOA
m=-2.8%/yr (-0.05) avg=1.6
TSOA
m=-2.5%/yr (-0.07) avg=2.8
ASOA
m=-0.6%/yr (-0.00) avg=0.1
POA
m= 0.8%/yr (0.01) avg=0.9
(c)
Standardized Emission
Isoprene
m= 0.4%/yr avg=1.64
Monoterpene
m= 0.4%/yr avg=0.41
POA
m= 0.5%/yr avg=0.01
NOx
m=-4.5%/yr avg=0.08
SO2
m=-9.0%/yr avg=0.18
(b)
OA column (mg/m2)
Simple OA
m= 0.5%/yr (0.08) avg=15.5
CMPX_ag OA
m=-1.8%/yr (-0.23) avg=12.4
CMPX OA
m=-1.0%/yr (-0.09) avg=8.4
In CMPX_ag:
ISOA
m=-2.8%/yr (-0.12) avg=4.2
TSOA
m=-2.3%/yr (-0.13) avg=5.8
ASOA
m=-0.3%/yr (-0.00) avg=0.3
POA
m= 1.1%/yr (0.02) avg=2.2
(d)
Standardized Surface Concentration and Branching Ratio
betaNO
m=-0.2%yr avg=0.96
O3
m=-1.4%yr avg=48.51 ppbv
OH
m=-2.4%yr avg=0.07 pptv
NO3
m=-6.4%yr avg=1.42 pptv
Sulfate
m=-7.1%yr avg=2.90 μg/m3