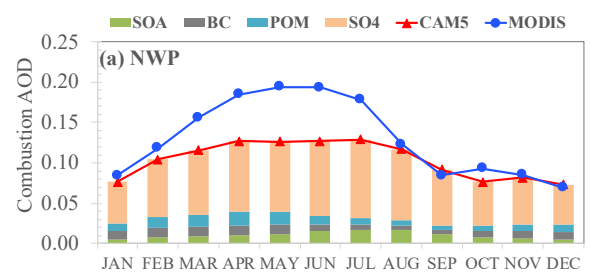
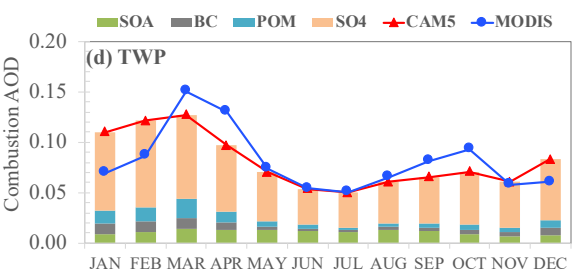
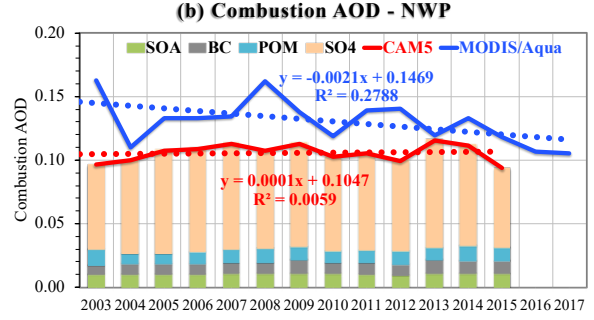
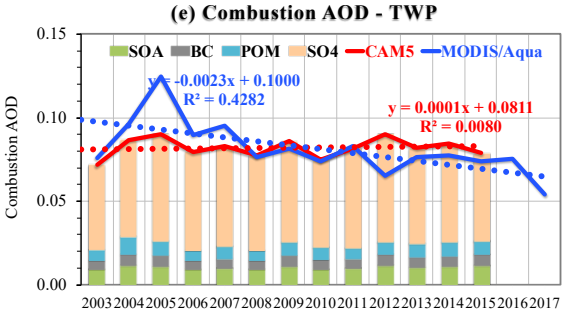
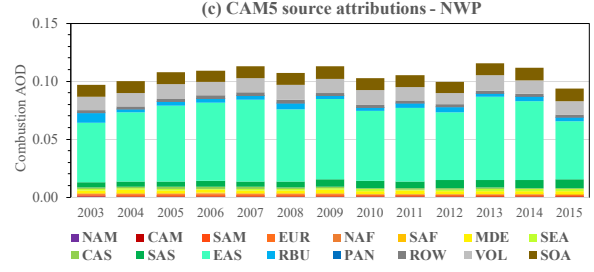
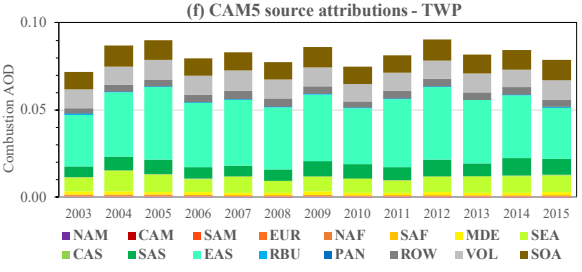

SOA BC POM SO4 CAM5 MODIS
(a) NWP
Combustion AOD
0.25
0.20
0.15
0.10
0.05
0.00
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


SOA BC POM SO4 CAM5 MODIS
(d) TWP
Combustion AOD
0.20
0.15
0.10
0.05
0.00
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


(b) Combustion AOD - NWP
SOA BC POM SO4 CAM5 MODIS/Aqua
y = -0.0021x + 0.1469
R² = 0.2788
y = 0.0001x + 0.1047
R² = 0.0059
Combustion AOD
0.20
0.15
0.10
0.05
0.00
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017


(e) Combustion AOD - TWP
SOA BC POM SO4 CAM5 MODIS/Aqua
y = -0.0023x + 0.1000
R² = 0.4282
y = 0.0001x + 0.0811
R² = 0.0080
Combustion AOD
0.15
0.10
0.05
0.00
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017


(c) CAM5 source attributions - NWP
Combustion AOD
0.15
0.10
0.05
0.00
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015
NAM CAM SAM EUR NAF SAF MDE SEA
CAS SAS EAS RBU PAN ROW VOL SOA


(f) CAM5 source attributions - TWP
Combustion AOD
0.10
0.05
0.00
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015
NAM CAM SAM EUR NAF SAF MDE SEA
CAS SAS EAS RBU PAN ROW VOL SOA