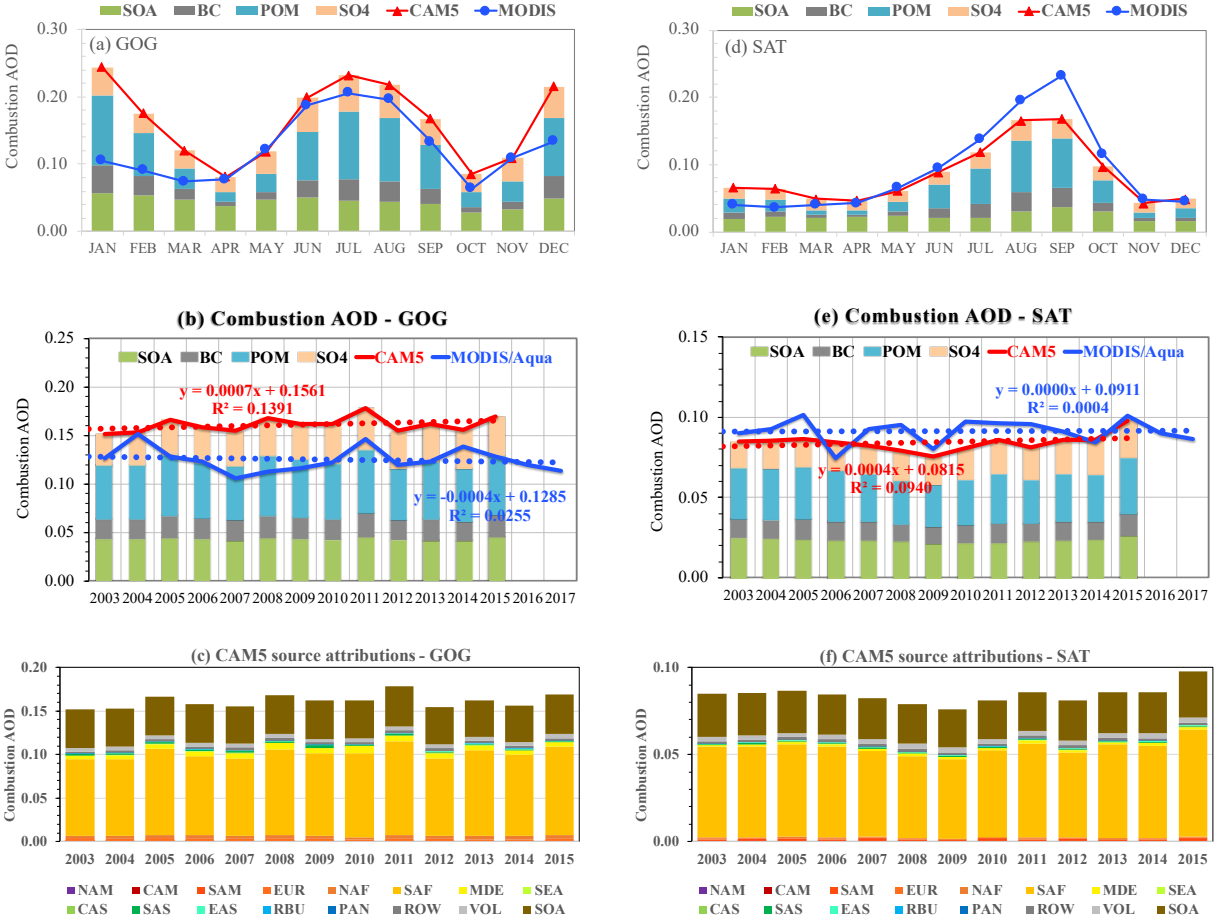
SOA
BC
POM
SO4
CAM5
MODIS
(a) GOG
Combustion AOD
0.30
0.20
0.10
0.00
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
(d) SAT
(b) Combustion AOD - GOG
MODIS/Aqua
y = 0.0007x + 0.1561
R² = 0.1391
y = -0.0004x + 0.1285
R² = 0.0255
0.25
2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017
(e) Combustion AOD - SAT
y = 0.0000x + 0.0911
R² = 0.0004
y = 0.0004x + 0.0815
R² = 0.0940
0.15
(c) CAM5 source attributions - GOG
(f) CAM5 source attributions - SAT
NAM CAM SAM EUR NAF SAF MDE SEA
CAS SAS EAS RBU PAN ROW VOL SOA