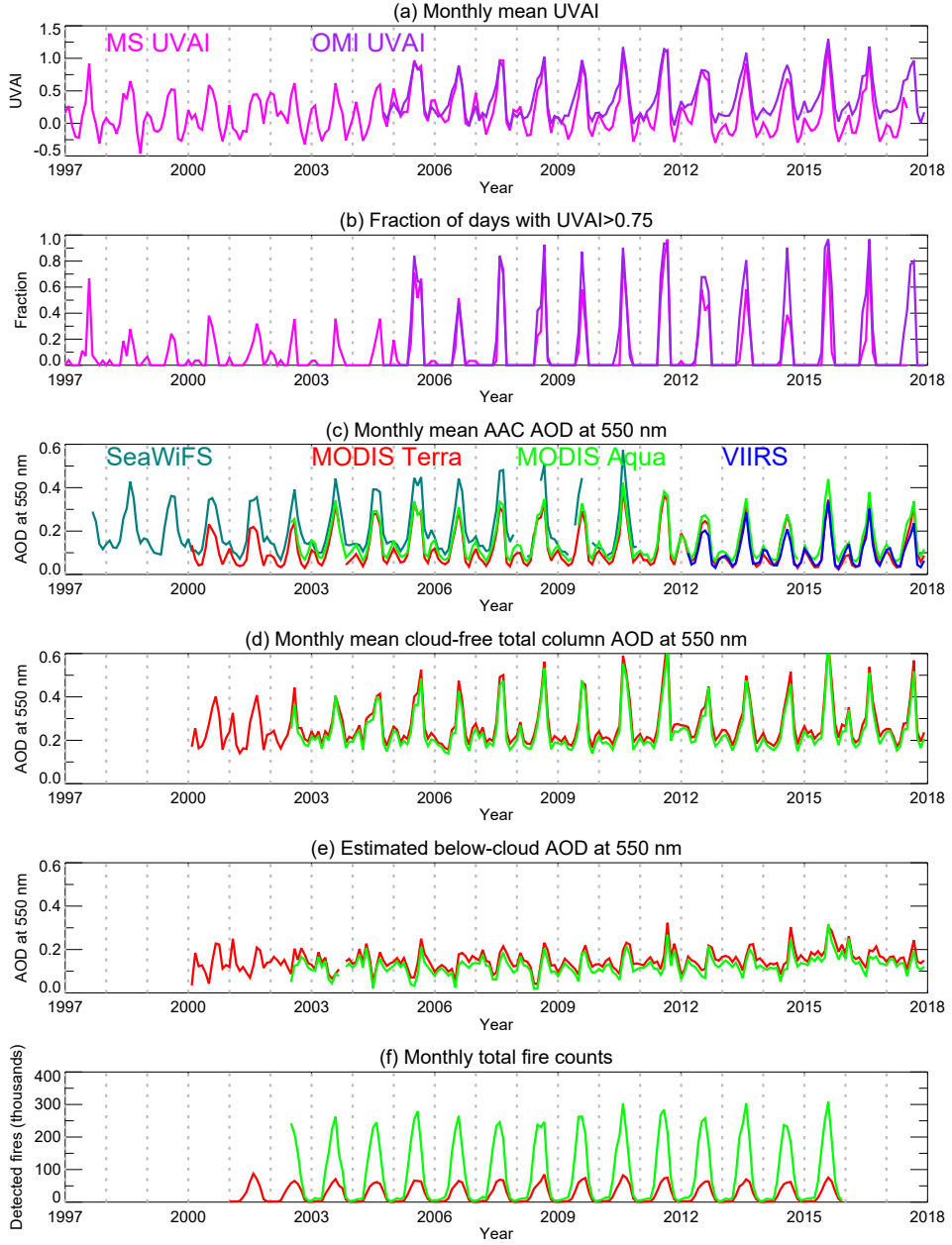
(a) Monthly mean UVAI
MS UVAI
OMI UVAI
UVAI
1.5
1.0
0.5
0.0
-0.5
1997
2000
2003
2006
2009
2012
2015
2018
Year
(b) Fraction of days with UVAI>0.75
Fraction
1.0
0.8
0.6
0.4
0.2
0.0
1997
2000
2003
2006
2009
2012
2015
2018
Year
(c) Monthly mean AAC AOD at 550 nm
SeaWiFS
MODIS Terra
MODIS Aqua
VIIRS
AOD at 550 nm
0.6
0.4
0.2
0.0
1997
2000
2003
2006
2009
2012
2015
2018
Year
(d) Monthly mean cloud-free total column AOD at 550 nm
AOD at 550 nm
0.6
0.4
0.2
0.0
1997
2000
2003
2006
2009
2012
2015
2018
Year
(e) Estimated below-cloud AOD at 550 nm
AOD at 550 nm
0.6
0.4
0.2
0.0
1997
2000
2003
2006
2009
2012
2015
2018
Year
(f) Monthly total fire counts
Detected fires (thousands)
400
300
200
100
0
1997
2000
2003
2006
2009
2012
2015
2018
Year