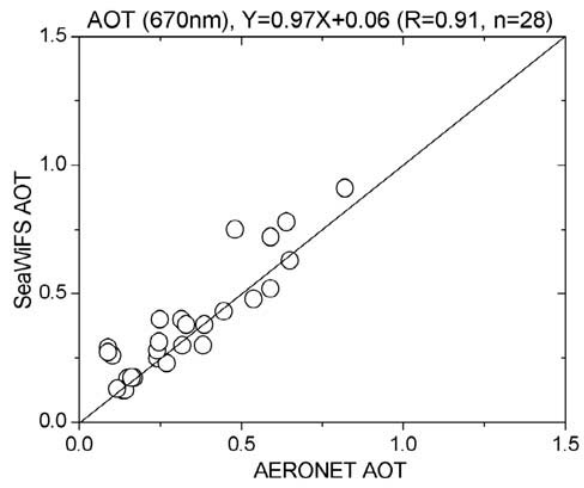


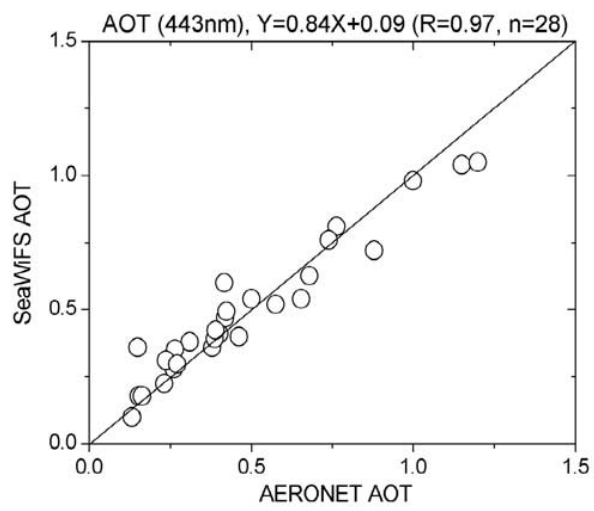
1 Q1-Table 1. Geolocations and research periods of the suitable AERONET stations for aerosol
 2 trend analysis in alphabetical order. [Yoon et al., 2011]

| Selected AERONET Stations | Regions | Countries | Geolocations (lat.[°]/lon.[°]/ alt.[m]) | Research Periods |
|---------------------------|----------------------------|--------------|---|------------------|
| (a) Avignon | Western Europe | France | 43.93/4.88/32 | 2001~2005 |
| (b) Banizoumbou | West Africa | Niger | 13.54/2.66/250 | 2002 ~ 2008 |
| (c) Beijing | East Asia | China | 39.98/116.38/92 | 2003 ~ 2007 |
| (d) Dakar | West Africa | Senegal | 14.39/-16.96/0 | 2004 ~ 2008 |
| (e) GSFC | North America | USA | 38.99/-76.84/87 | 1995 ~ 2008 |
| (f) Ispra | Western Europe | Italy | 45.80/8.63/235 | 2001 ~ 2007 |
| (g) Mauna_Loa | Free troposphere (Pacific) | USA | 19.54/-155.58/3397 | 1998 ~ 2009 |
| (h) MD_Science_Center | North America | USA | 39.28/-76.62/15 | 2000 ~ 2006 |
| (i) Mongu | South Africa | Zambia | -15.25/23.15/1107 | 2000 ~ 2004 |
| (j) Ouagadougou | West Africa | Burkina Faso | 12.20/-1.40/290 | 2000 ~ 2004 |
| (k) SEDE_BOKER | Middle East | Israel | 30.86/34.78/480 | 2003 ~ 2008 |
| (l) Seville | North America | USA | 34.35/-106.89/1477 | 1998 ~ 2002 |
| (m) Shirahama | East Asia | Japan | 33.69/135.36/10 | 2003 ~ 2009 |
| (n) Skukuza | South Africa | South Africa | -24.99/31.59/150 | 2000 ~ 2007 |
| (o) Solar_Village | Middle East | Saudi Arabia | 24.91/46.40/764 | 2001 ~ 2007 |

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(a)

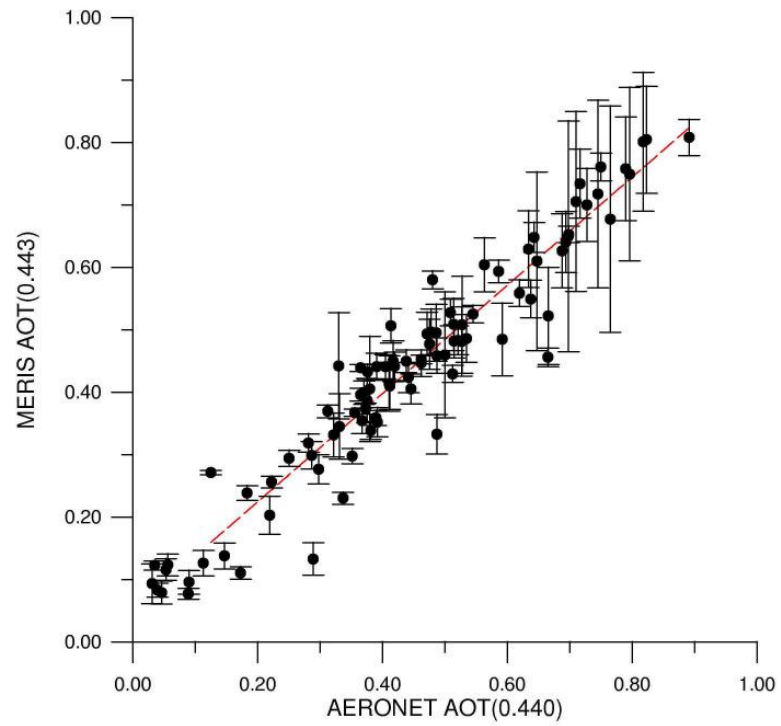


(b)

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2 Q1-Figure 1. Comparison between SeaWiFS and AERONET AOTs (670 and 443 nm) over
 3 East Asia [Lee et al., 2004]

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2 Q1-Figure 2. Comparison between MERIS and AERONET AOTs (443 nm) over Europe
3 regions [von Hoyningen-Huene et al., 2011]