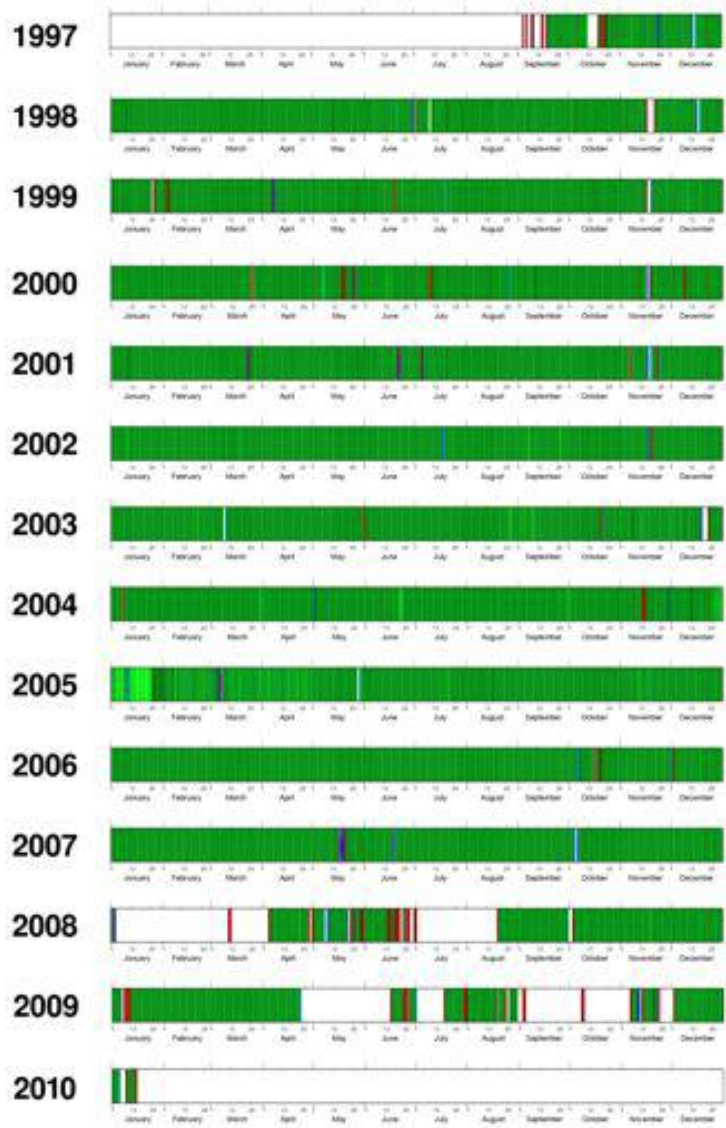


1 Q10-Table 1. Geolocations and research periods of the suitable AERONET stations for
 2 aerosol trend analysis in alphabetical order. [Yoon et al., 2011]

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

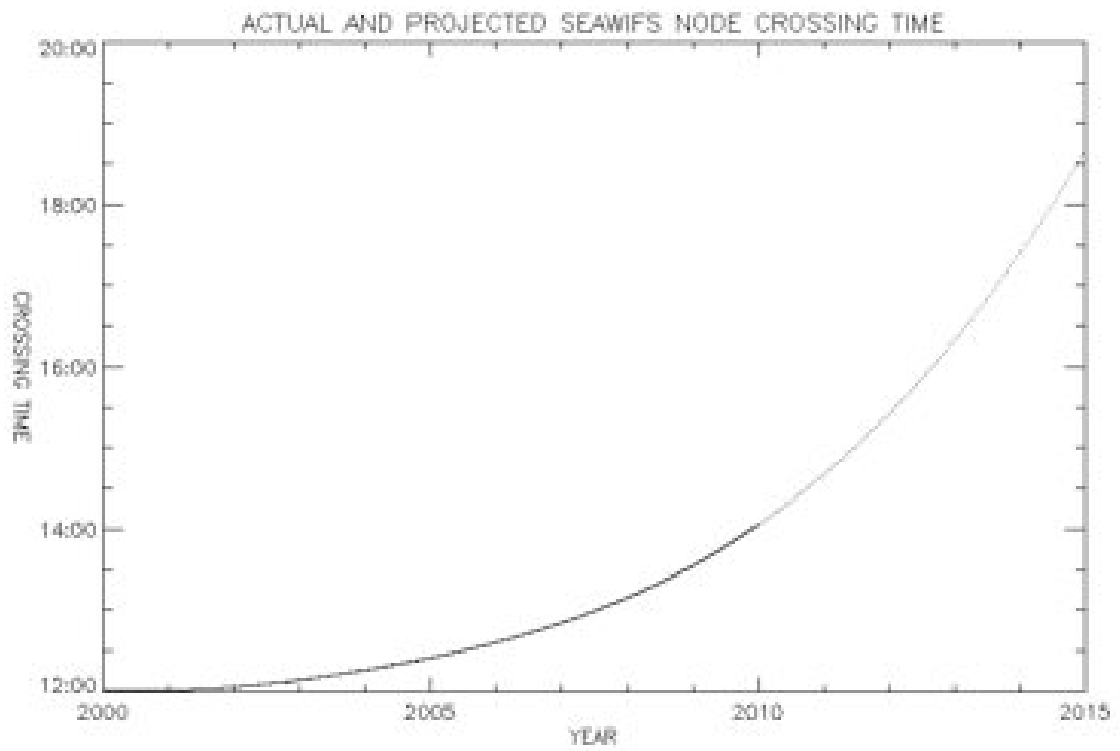
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Number of SeaWiFS GAC swaths per day



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Q7-Figure 1. Number of SeaWiFS swaths per day [Patt, 2010]



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2 Q7-Figure 2. SeaWiFS node crossing time [Patt, 2010]

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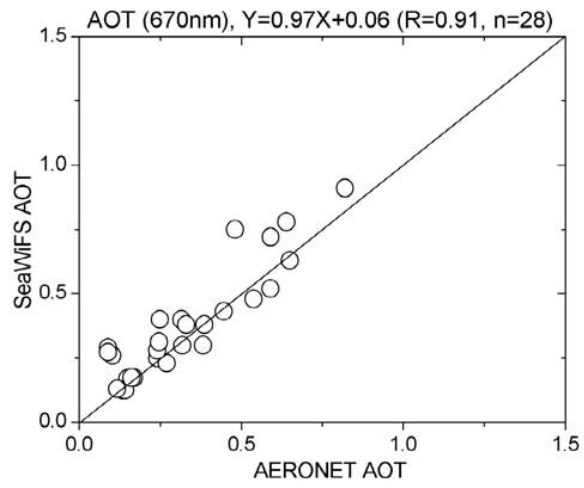
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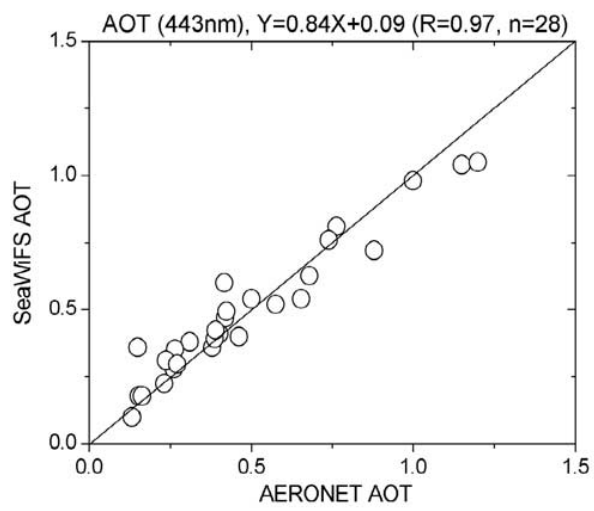
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(a)

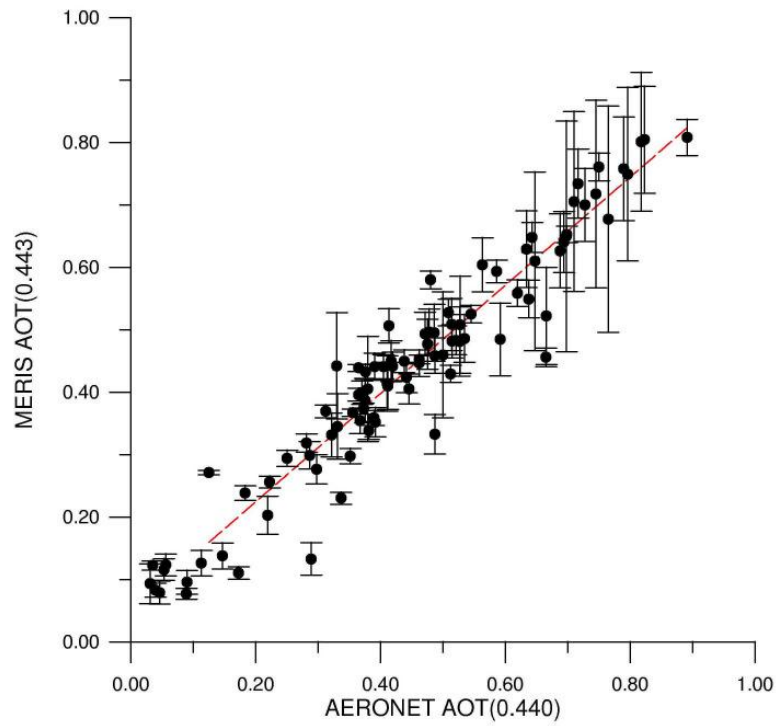


(b)

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2 Q10-Figure 3. Comparison between SeaWiFS and AERONET AOTs (670 and 443 nm) over
 3 East Asia [Lee et al., 2004]

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2 Q10-Figure 4. Comparison between MERIS and AERONET AOTs (443 nm) over Europe
3 regions [von Hoyningen-Huene et al., 2011]

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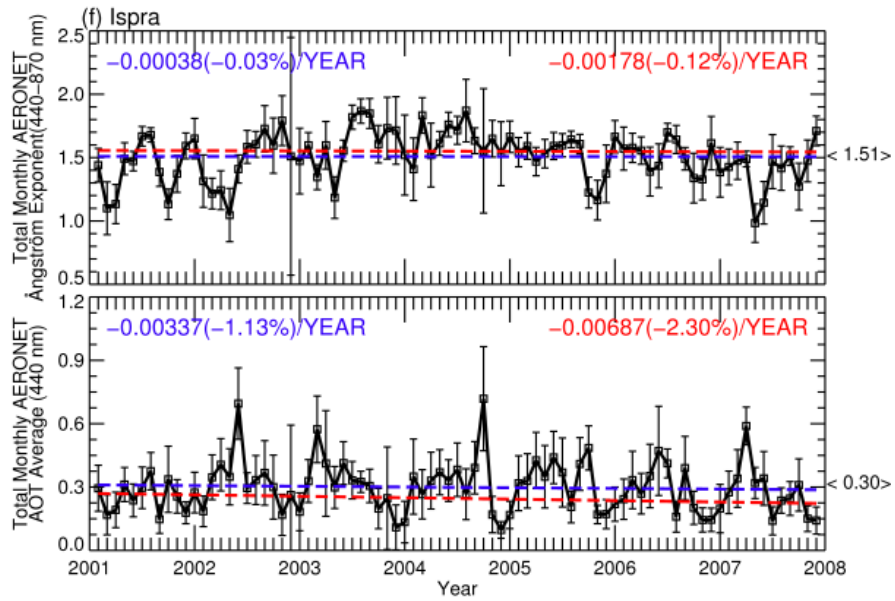
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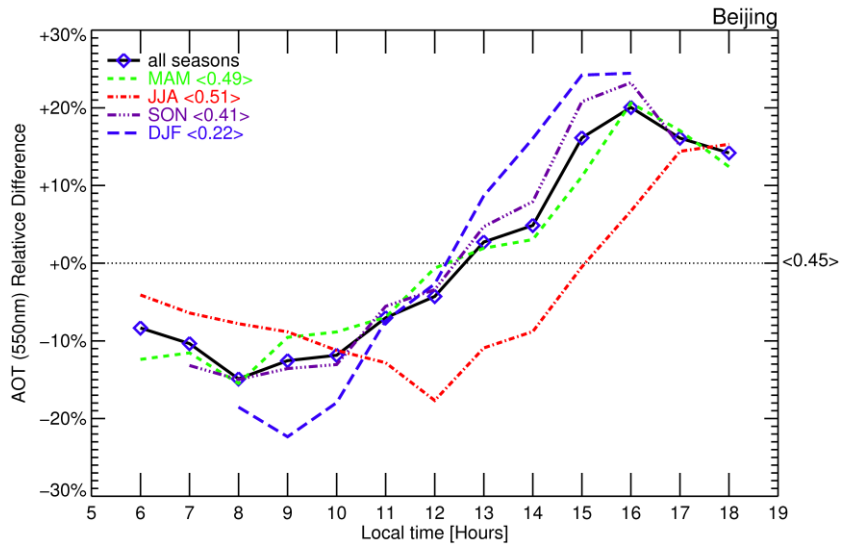
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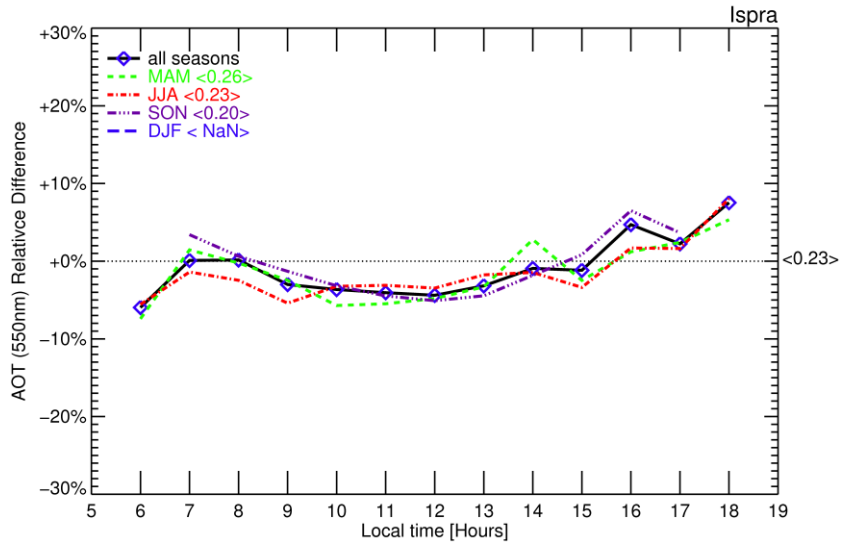


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2 Q11-Figure 5. Total averages (black one enclosed with parentheses at right vertical axis),
 3 temporal unweighted (blue one on the left upper part), and weighted (red one on the right
 4 upper part) trends of Ångström Exponent (440–870 nm) and AOT (440 nm) at the AERONET
 5 station, Ispra. [Yoon et al., 2011]



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3 Q18-Figure 6. AOT diurnal cycle from AERONET (Beijing and Ispra)

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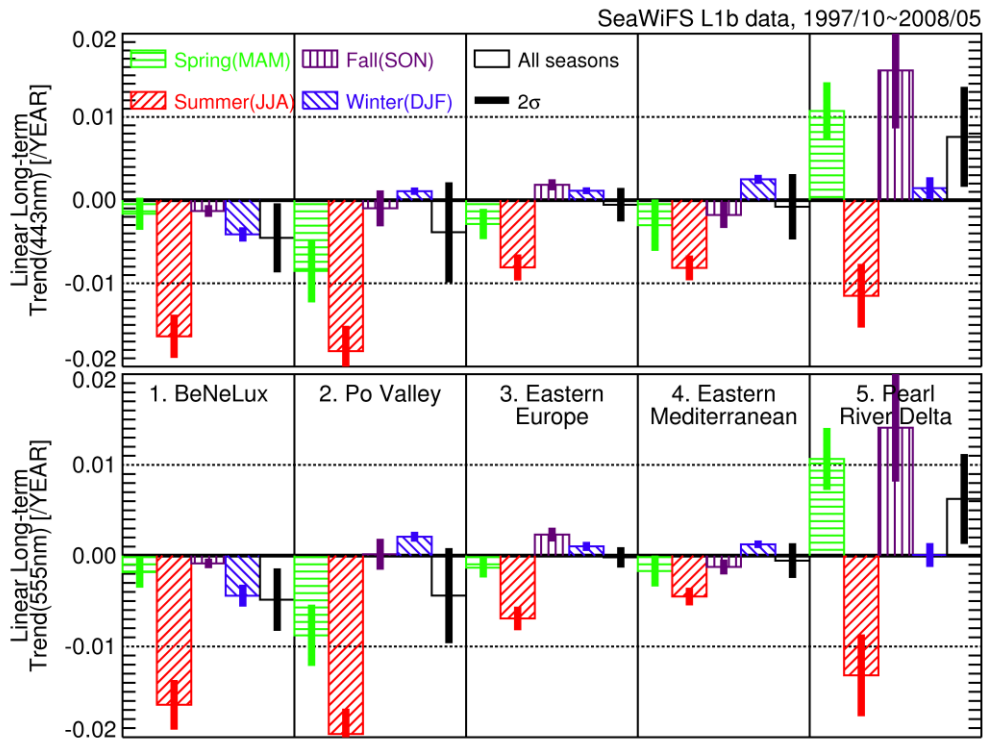
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2 Q21-Figure 7. Annual and seasonal trends of BAER monthly AOTs (443 and 555 nm)
 3 including their standard deviation for the several regions.

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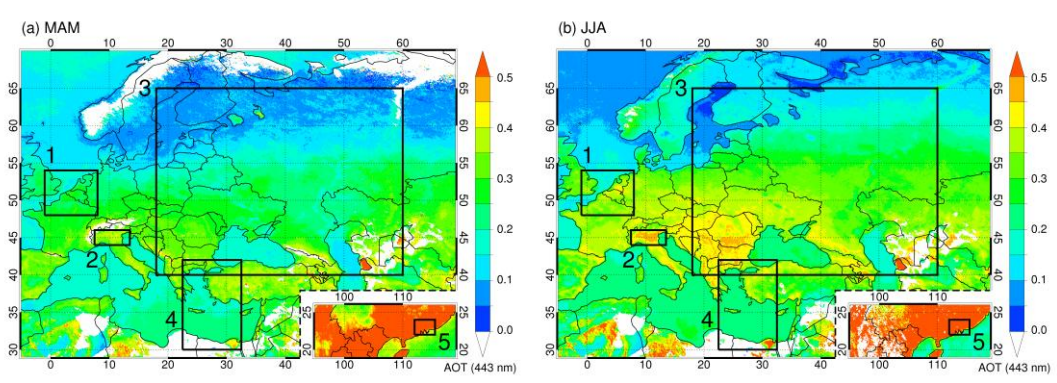
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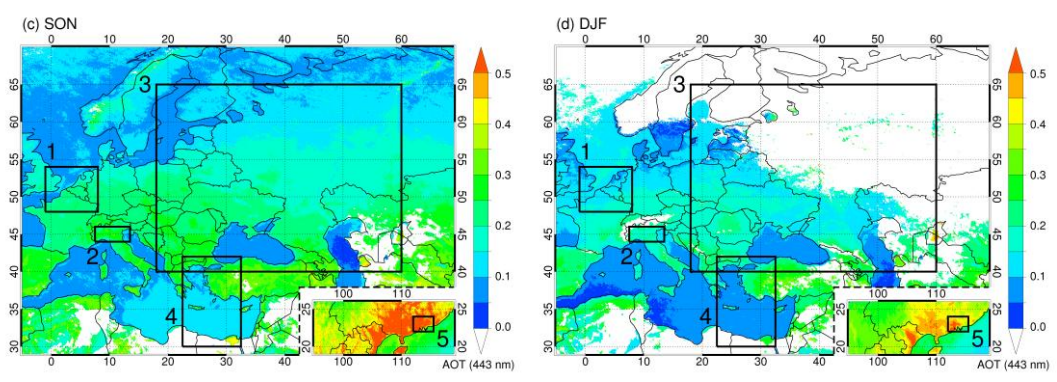
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3 Q22-Figure 8. Seasonal AOT (440nm) distribution over the specific regions.