

	EUS	WEU	ECC
Total column AOD	Peak in summer	Peak in summer/late spring	Peak in summer/spring
AOD > 800 m a.g.l.	Peak in summer	Peak in summer/late spring	Peak in summer/spring
AOD < 800 m a.g.l.	Two peaks in winter and summer	Peak in winter	Peak in winter
Small-size	Peak in summer	Peak in summer/late spring	Peak in summer/spring
Medium-size	Peak in summer	Peak in summer/late spring	Peak in summer/spring
Large-size	Rather uniform	Rather uniform	Peak in spring
Absorbing	Peak in summer	Peak in summer/late spring	Two peaks in Mar and Aug
Polluted continental dust	Similar to height-specific total AOD	Similar to height-specific total AOD	Similar to height-specific total AOD
Dust	No obvious seasonal pattern	Peak in summer	Peak in spring
Clean marine	No obvious seasonal pattern	Peak in winter	Negligible amount
Smoke	Peak in summer	Peak in summer/late spring	Two peaks in Mar and Aug