Chemistry of NPF in mixed biogenic and urban emissions -Observations from CARES

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Frequent NPF & growth events

• Occurred on regional scale,



Frequent NPF & growth events

- new particles were transported from T0 to T1
- PM grow during transport



Interrogate the chemistry of NP growth



Growth of New Particles: SOA >> Sulfate





Growth of New Particles: SOA >> Sulfate



Growth of new particles was mainly driven by "A"influenced SOA





