Microscopic Characterization of Carbonaceous Aerosol Aging in the Outflow from Mexico City

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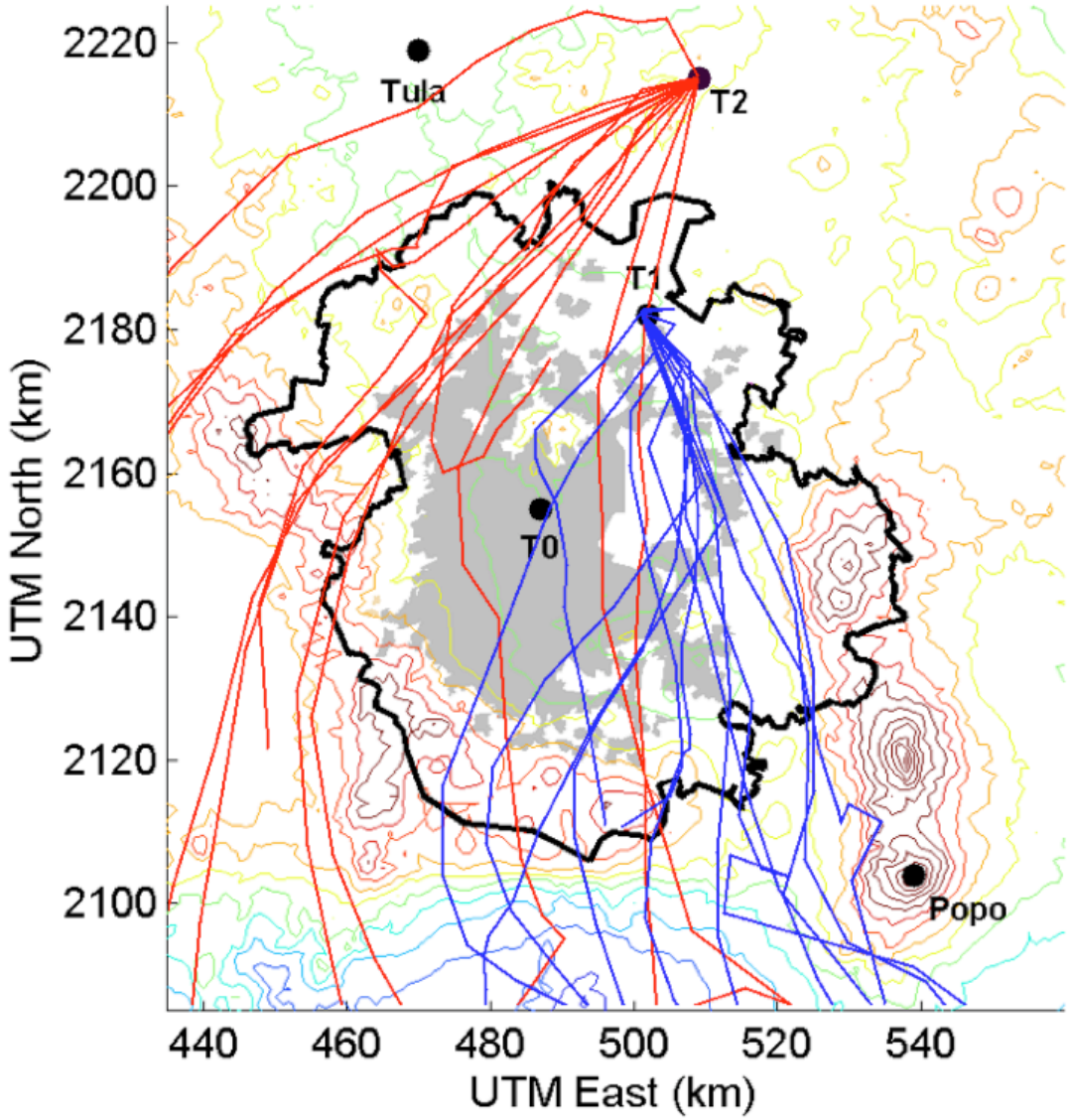
Mexico City Back Trajectories (every hour)

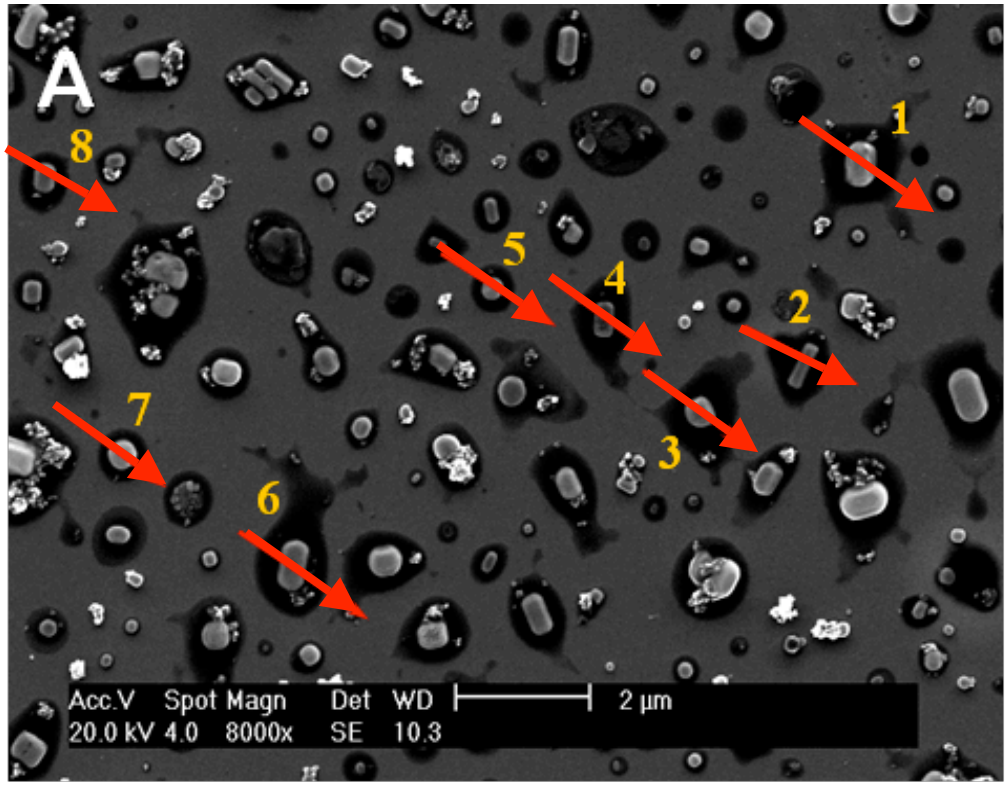


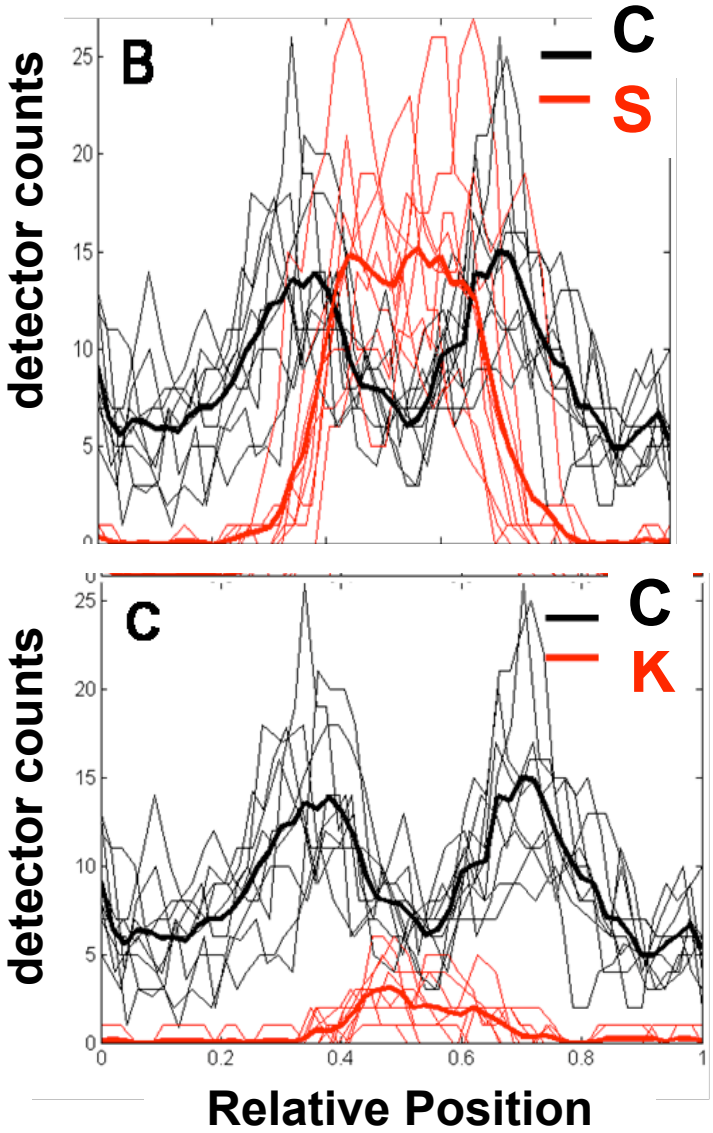
March 22 daytime

T1

T2

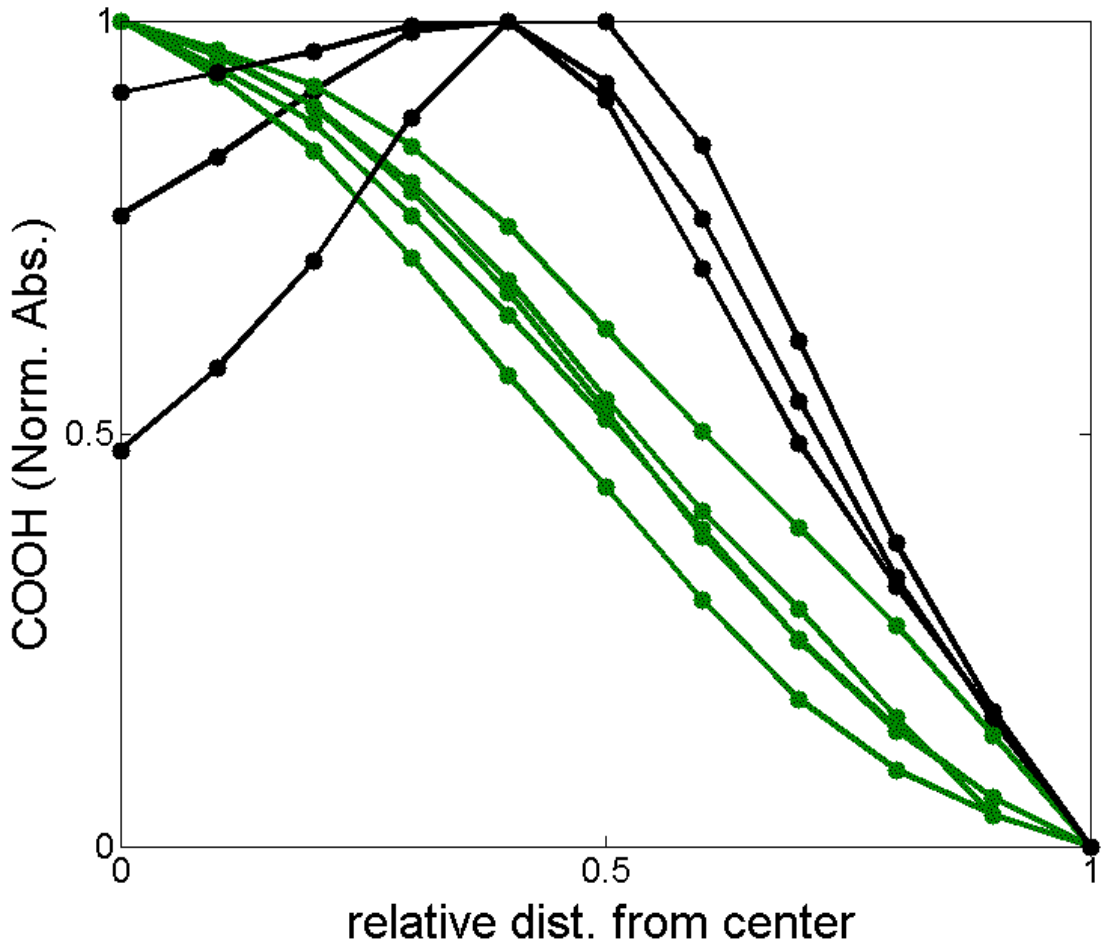
SEM Radial Scans for TO Particles





Sulfur & Potassium inclusions Surrounded by Carbon

STXM Radial Scans for Inorg/OC Particle Type

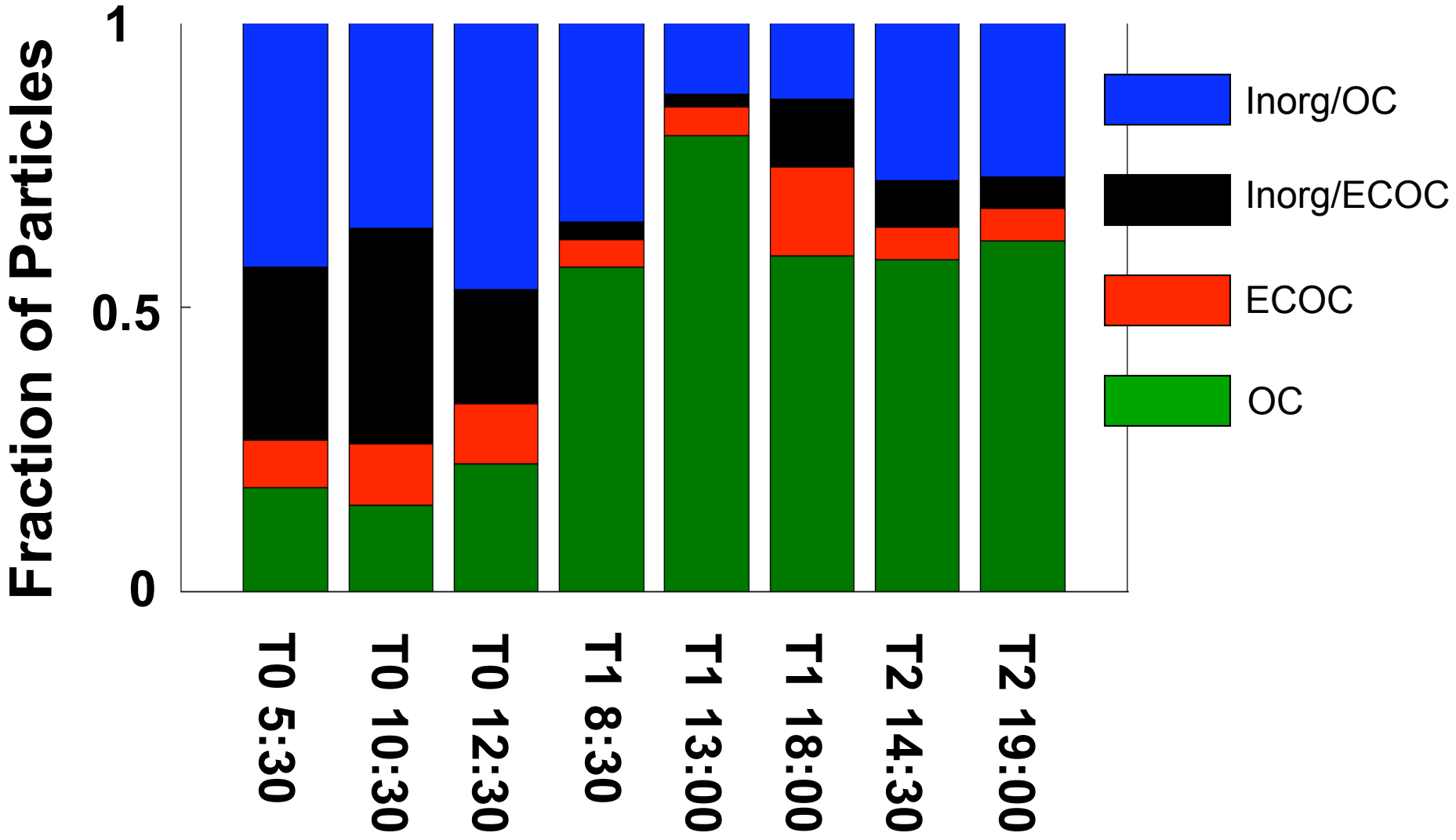


T0

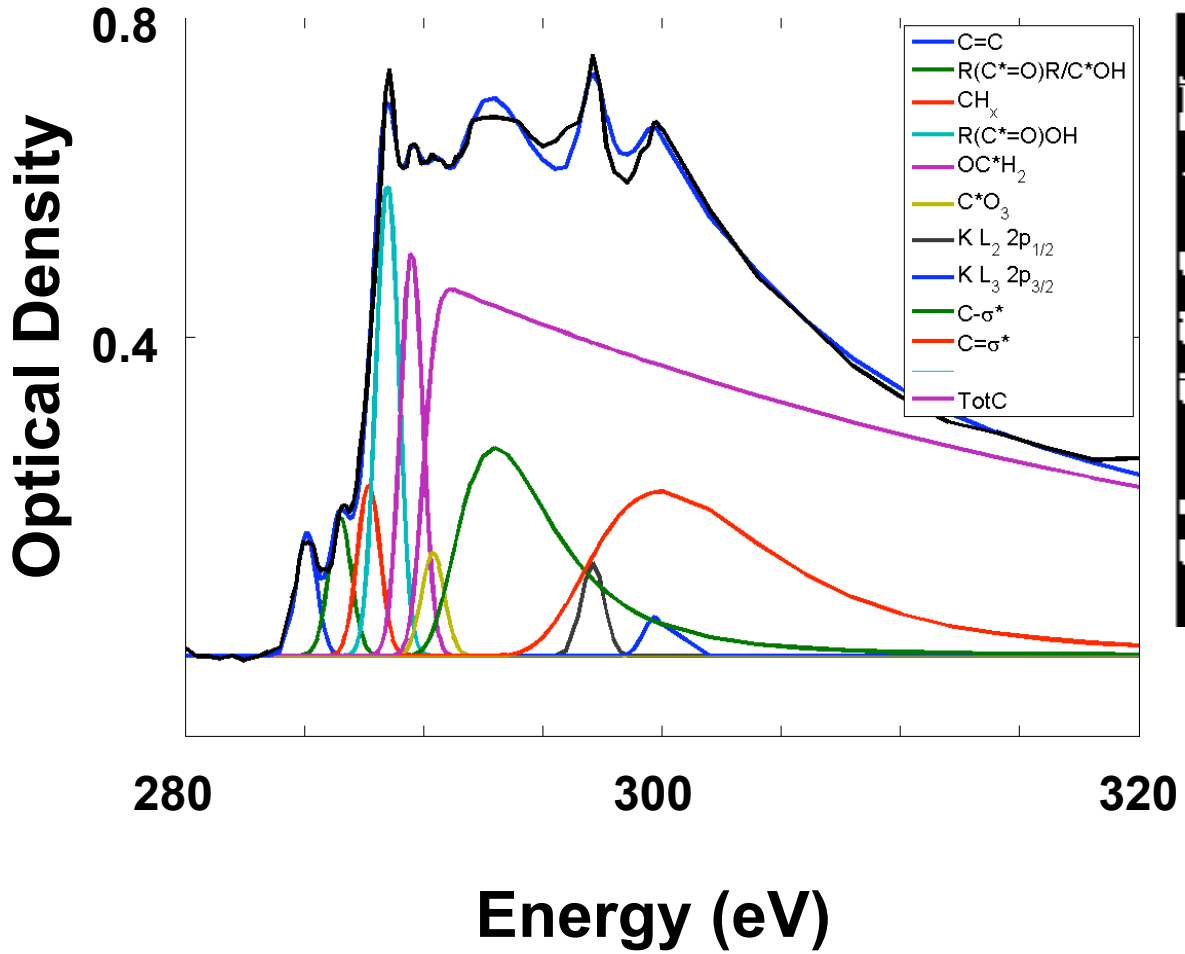
T1 & T2

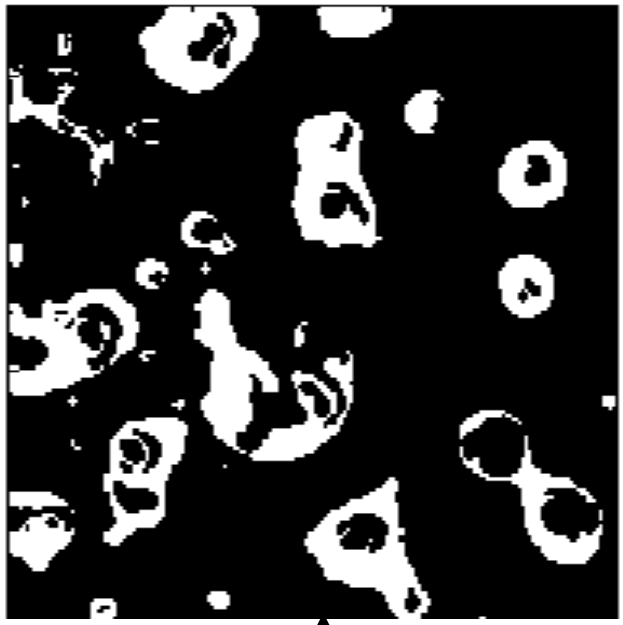
inorganic inclusions cause carboxylic acids to be depleted at the center of the particles at T0.

Single Particle Trends

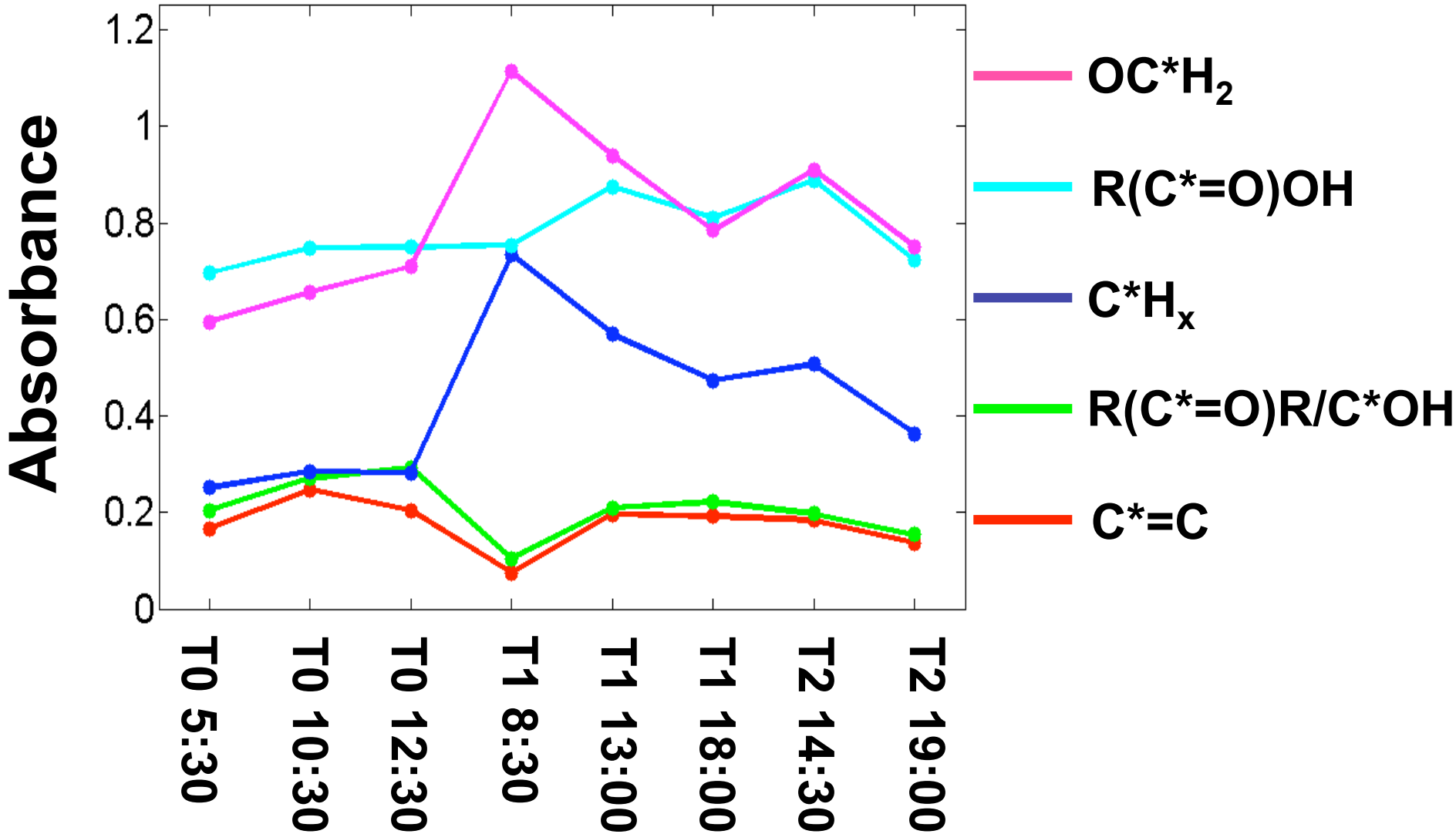


Chemical Speciation of Organics – EC Excluded





White areas show where spectrum was measured:

No EC

Organic Species Trends