SOS Data Analysis Workshop
Agenda for the Nashville 99 Portion

Wednesday March 8

Session No. 1 *Perspectives for the Workshop* – Jim Meagher

8:30	Introduction (outline for meeting, chemical climatology during study)	Jim Meagher
8:45	Discussion of Synoptic Meteorology During the Field Study	Dick McNider
8:55	Variations In Upper Atmosphere O_3 as Seen with the Daily O_3 Sondes	Mohammed Ayoub
9:10	A Comparison of VOC Measurement Performed at Cornelia Fort Airpark (CFA)	Eric Apel
9:30	A Comparison of *In Situ* and Long-Path Measurements of NO_2	Ron Cohen
9:50	Comparison of Aerosol Mass and Chemical Composition Data from CFA	Roger Tanner
10:10	**Break**	

Session No. 2 *PBL dynamics, mixing, and transport* – Richard McNider

10:40	Surface Energy Balance and Ozone Deposition Measurements	Tilden Meyers
11:00	Boundary Layer Height Derived from Profiler Measurements	Allen White
11:20	Measures of Vertical and Horizontal Transport	Wayne Angevine
11:40	Comparison of Observed and Modeled Surface Energy Balance	Bob Zamora
12:00	**Lunch Break**	
1:00	The Effect of Surface Temperature on Model Performance	Dick McNider
1:20	Characteristics of the Nighttime and Daytime Boundary Layers as Revealed by Lidar and Other Sensors	Bob Banta

Session No. 3 *Insights from the ground-based chemistry network* – Steve Bertman

1:40	Overview of the Dickson Experiment	Steve Bertman
2:00	Analysis of Long Range Transport of CO and Other Key Pollutants from Anthropogenic Sources And From Remote Boreal Forest Fires Towards the SOS95 Study Region.	Gerhard Wotawa
2:20	Nitrogen Partitioning at Dickson	John Grossenbacher
2:40	Isoprene Chemistry at Dickson	Dennis Barket
3:00	A Fuel-Based Assessment of Motor Vehicle Emissions in Nashville	Rob Harley
3:20	**Break**	
3:50	The Speciation and Distribution of VOCs in the Nashville Urban Area	Bill Lonneman
4:10	Preliminary Analysis of Photochemical Reactivity at Level II Stations.	Ken Olszyna
4:30	Emissions, Measurements, and Power Plant Plumes: Insights from Photochemical Models	Sandy Sillman
4:50	**Adjourn**	

Thursday March 9

Session No. 4 *Results from the Cornelia Fort ground site* – Eric Williams

8:30	Ozone and Aerosol Measurements with the NOAA Ground-Based Lidar	Christoph Senff
8:50	The Structure of the Wind Field and Turbulence Characteristics Measured with the Mini-MOPA Doppler Lidar	Lisa Darby
9:10	Semi-Continuous Aerosol Speciation at CFA (SO_4, NO_3, and Carbon)	Susanne Hering
9:30	TNMOC and Speciated VOCs at CFA	Hunter Daughtrey
9:50	Fast-Response VOC and Organic Nitrate at CFA	Armin Hansel
10:10	**Break**	
10:40	The Partitioning of Reactive Nitrogen at CFA	Eric Williams
11:00	Photochemical and Depositional Inferences from Formaldehyde Measurements at CFA	Brian Wert
11:20	HO and HO_2 Measurements in an Urban Environment	Monica Martinez
11:40	NO_3 And HONO at CFA	Jochen Stutz
12:00	**Lunch Break**	
1:00	Relationships Among Isoprene, MACR, MVK and MPAN At CFA	Craig Stroud
1:20	Anthropogenic vs Biogenic VOCs and Ozone Formation Inferred from Measurements Of PAN, PPN, and MPAN	Jim Roberts
1:40	Aerosol Size Distribution and Chemical Speciation for CFA	Len Stockburger
2:00	Comparison of Ozone Production Rates Inferred from NO/NO_2 Chemistry and from RO_2+HO_2 Observations.	Ron Cohen
2:20	Direct Measure of OH Decay	Tom Kovacs
2:40	0-D Photochemical Modeling of Various Compounds at CFA	Greg Frost
3:00	**Break**	

Session No. 5 *Measurements using instrumented aircraft* – Fred Fehsenfeld

3:30	Overview of the Airborne Lidar and Radiometer Measurements	Christoph Senff
3:50	Helicopter Measurements in Nashville 99: Analyses of Plume Chemistry	Roger Tanner
4:10	Crosswind Structure of Gas and Particle Species in Power Plant Plumes	Bob Imhoff
4:30	Preliminary Results from the G-1 Observations Taken During Nashville '99	Peter Daum

4:50 – 7:00 **Poster session and general discussion**

This session will begin immediately after the last oral presentation on Thursday. The posters on display (the boards are 4' x 8') will include those from the Atlanta SuperSite and the Nashville-related ones listed below. We plan to provide *hors d'ourves* and a cash bar during this session. During this time, you will be able to view the posters and engage in discussions with other researchers in a relaxed and informal atmosphere.

Posters – Nashville 99

Radiocarbon Analysis of Aerosol Organic Material	Charles Lewis
Ground-Based Photolysis Frequency Measurements During SOS 1999	Sam Hall
Comparison of VOC Measurements on the NOAA P-3	Bill Kuster
Model Simulation of Power Plant Plume Dispersion	Stu Mckeen
Instrumentation, and Data Acquisition and Reduction for TVA's Instrumented Helicopter	Ray Valente
DOAS Measurements at CFA	Bjørn Alicke
Inferring Sources at CFA with CO, SO_2, NO_y, And O_3 Data	Dan Hereid
NO_x/NO_y Monitoring Using Modified/Unmodified Commercial Instrumentation	Keith Kronmiller
Behavior of Peroxides at CFA and Relationships with HO_x and NO_x	Tom Jobson
Ozone Instrument Intercomparison	Eric Williams
Overview of NOAA P-3 Flights	Gerhard Hübler
Ozone Profiles from Daily Sondes	Mohammed Ayoub
Moving Your Data to the NARSTO Archive	Les Hook
Light Non-Methane Hydrocarbon Measurements at CFA	Valerie Young
The Methanalyzer - Ambient HCHO Measurements with 10 Minute Resolution	Bill McClenny
A Comparison of VOC Measurement Performed at CFA	Dan Reimer
Hydrocarbon Distributions at Dickson, Polk, and CFA	Paul Doskey
Assessment of Effects of Ozone on Ecological Systems in the Southeast	Walter Heck
Season - Long Perspective on Ozone/Precursors Interaction Among Seven Sites Near Nashville, TN.	McMichael
Forecasting Ozone with Yesterday's Data and Meteorological Data in the Charlotte Metropolitan Area.	Harrington
Relative Abundances and Radical Reactivity of the n-Aldehyde Series at Dickson	Julie Hurst

Friday March 10

Session No. 5 (continued) – Fred Fehsenfeld

8:30	Tracer Relationships in the SOS 1999 P-3 Measurements	Dave Parrish
8:50	Spatial and Temporal Distributions of Selected VOCs Measured Aboard the NOAA P-3 Aircraft	Paul Goldan
9:10	Formaldehyde Measurements Aboard the NOAA P-3	Yin-Nan Lee
9:30	Using CO_2 as a Conserved Tracer in Power Plant Plumes	Rich Dissly
9:50	Ozone Production Efficiency in Power Plant Plumes	Tom Ryerson
10:10	**Break**	
10:40	Preliminary Results from PAN Measurements During SOS Nashville 99	Andy Weinheimer
11:00	The Fast-Response, Airborne Measurement of HNO_3 Using Chemical Ionization Mass Spectrometry	Greg Huey
11:20	Formation of Fine Particles in the Southeast as Determined from Measurements Aboard the P-3	Chuck Brock
11:40	Ozone Production in Urban Plumes	Michael Trainer
12:00	**Workshop Concludes**	