

APPENDIX C: Smog Chamber Simulation Figures

C.1 UNC Dual Outdoor Smog-Chamber Simulations

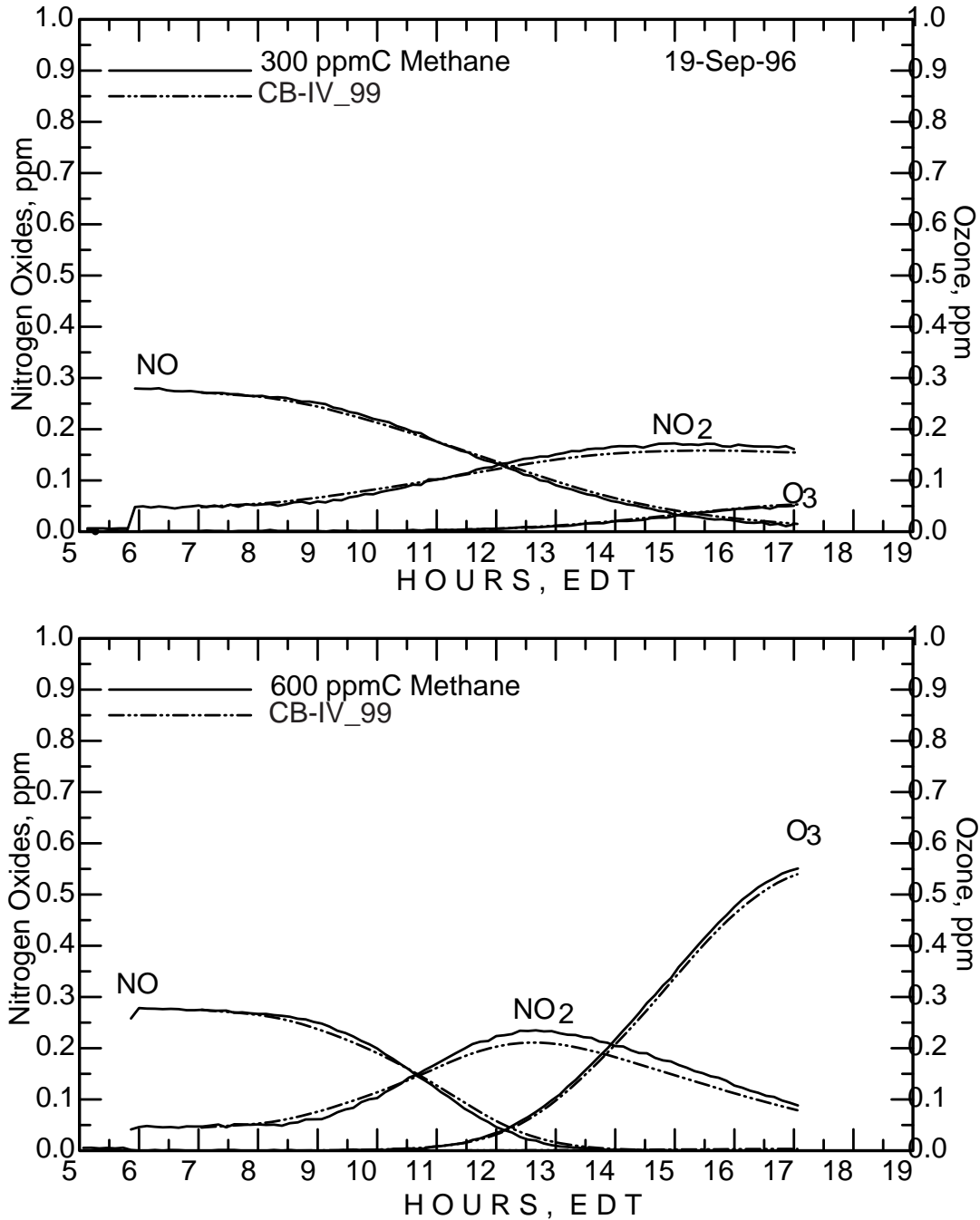


Figure C-1. Simulation results for the September 19, 1996 methane/NO_x experiment - O₃ and NO_x.

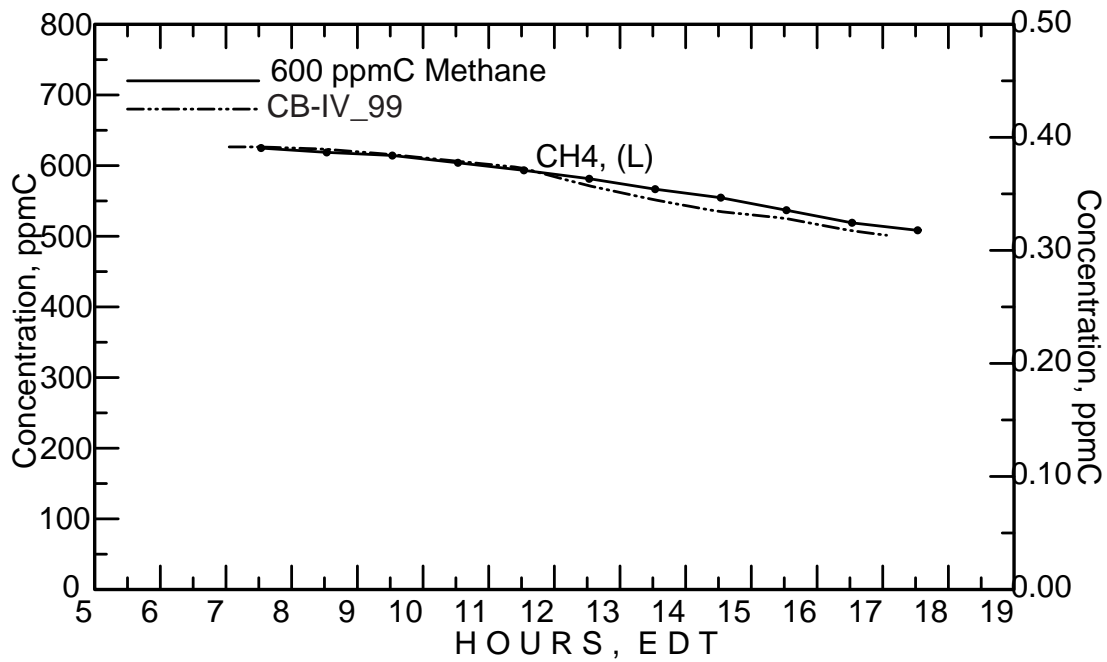
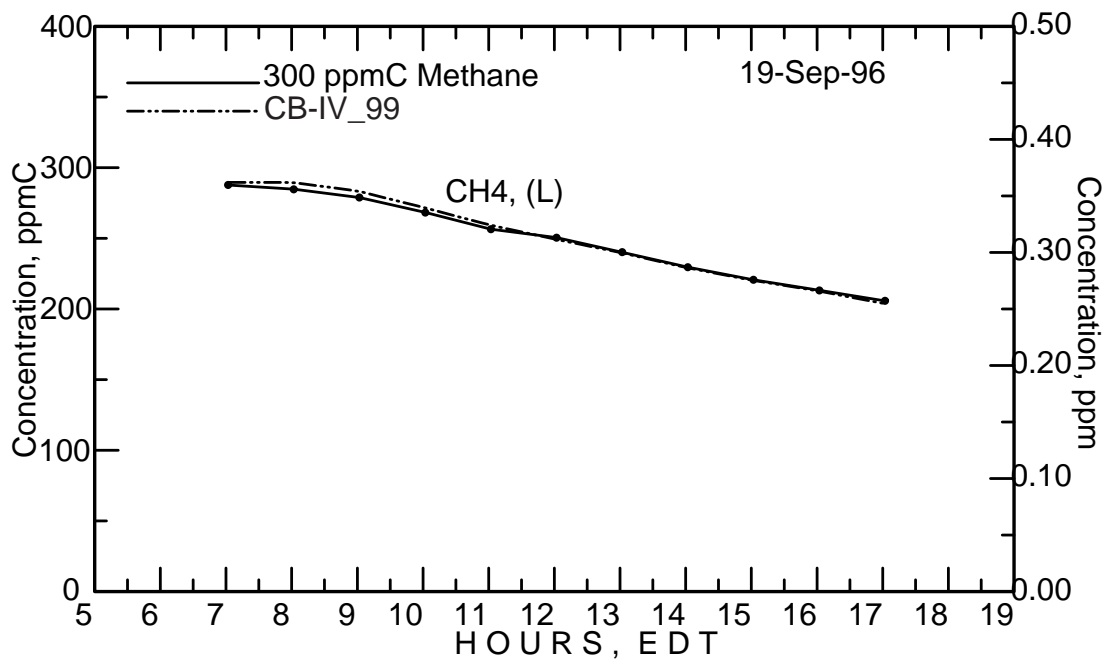


Figure C-2. Simulation results for the September 19, 1996 methane/NO_x experiment
 – HC.

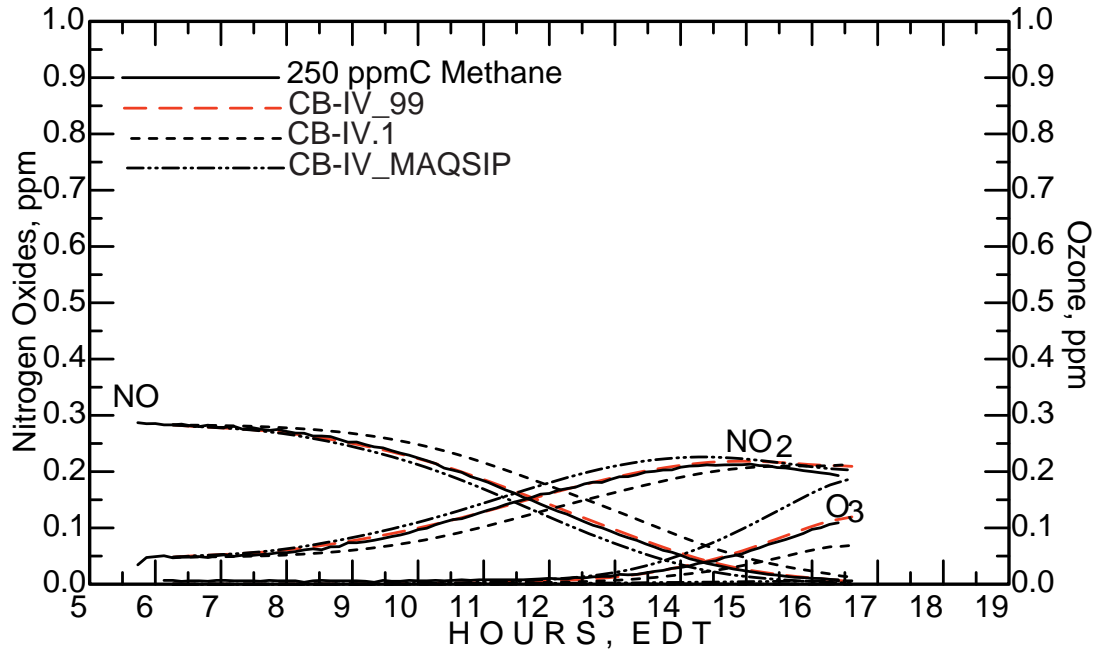
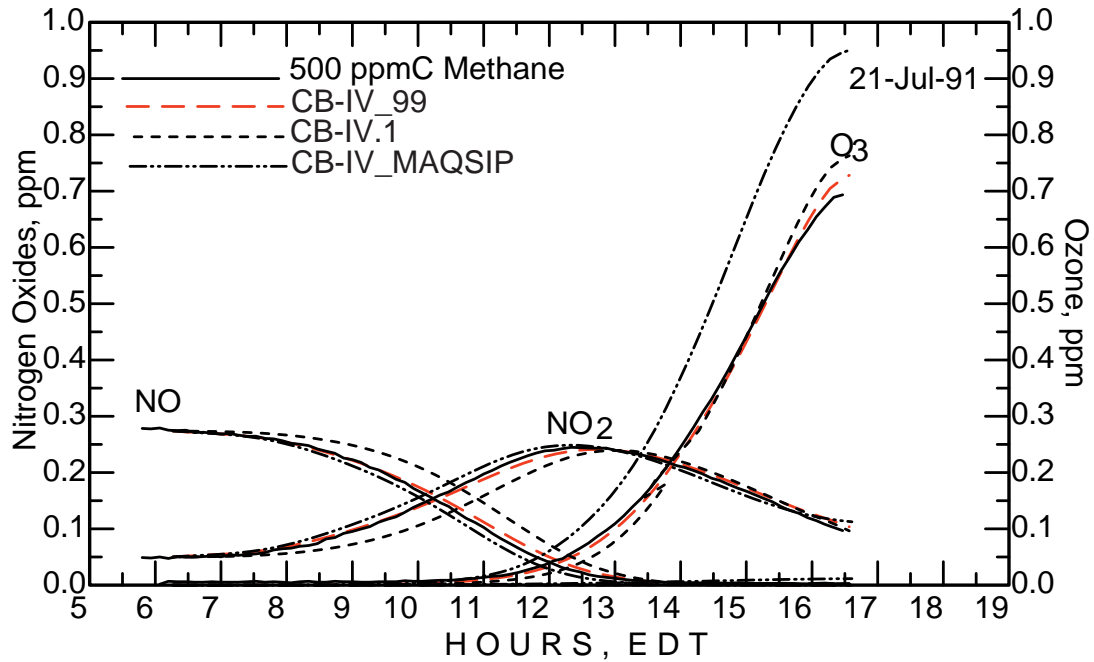


Figure C-3. July 21, 1991 Methane/NO_x experiment simulation comparing three models.

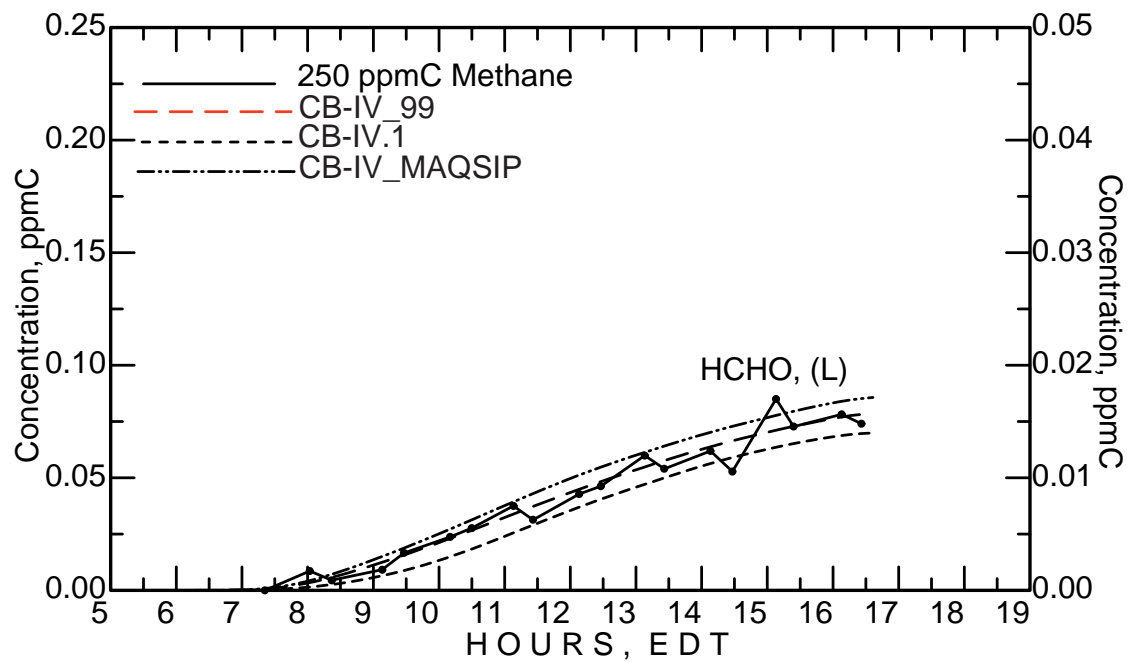
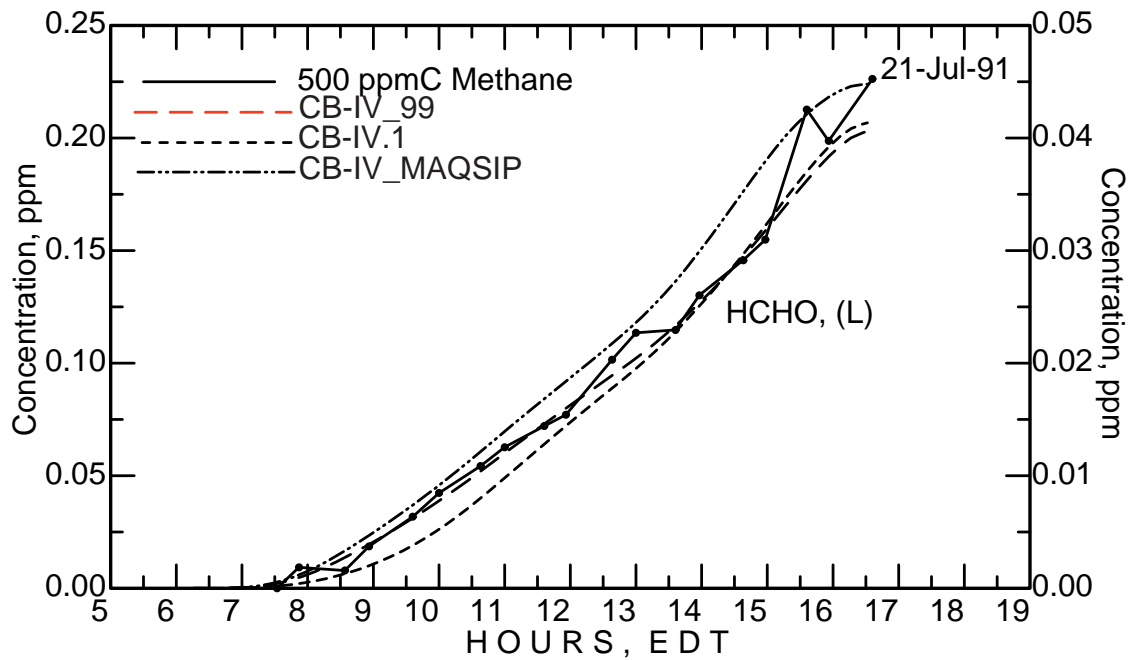


Figure C-4. July 21, 1991 methane/NO_x experiment simulation comparing three models (HC).

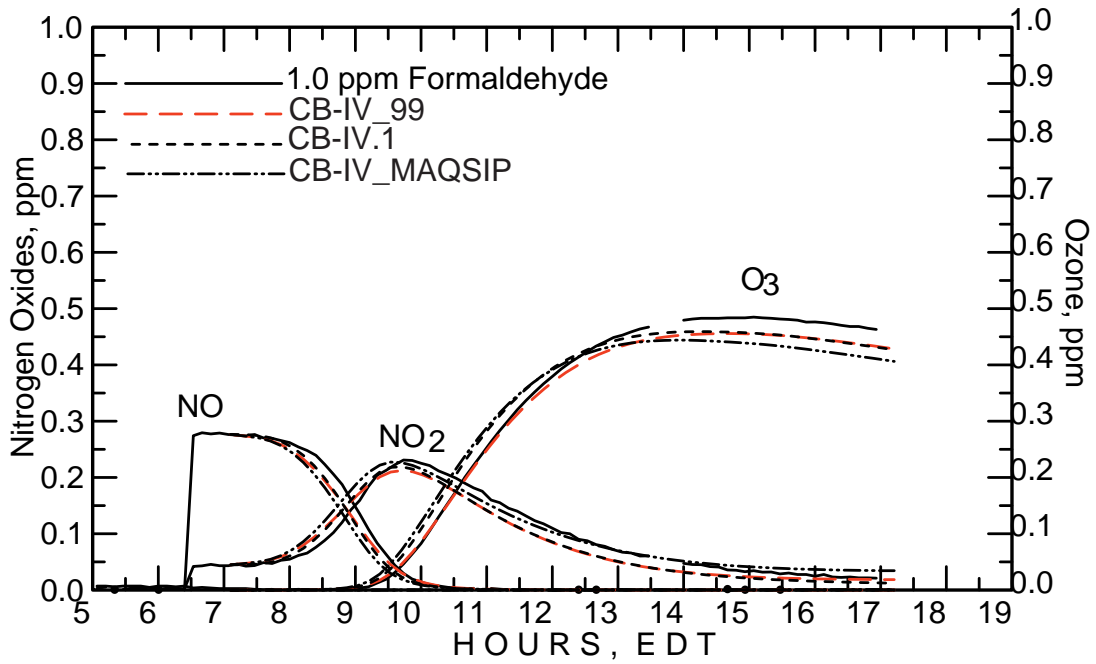
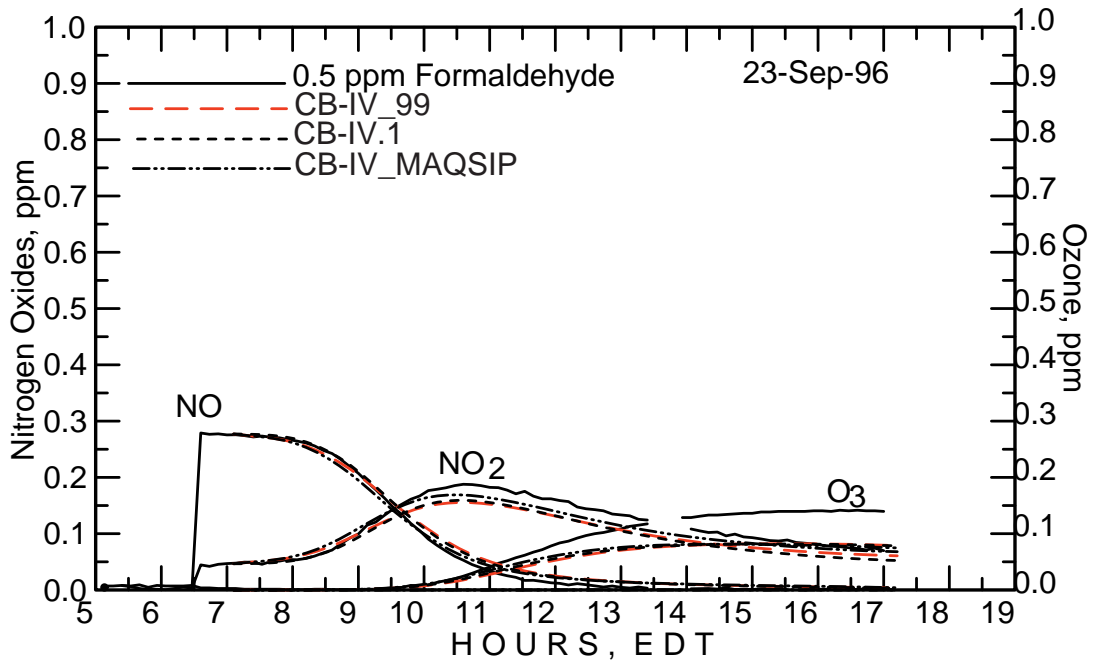


Figure C-5. September 23, 1996 HCHO/NO_x experiment comparison of three models.

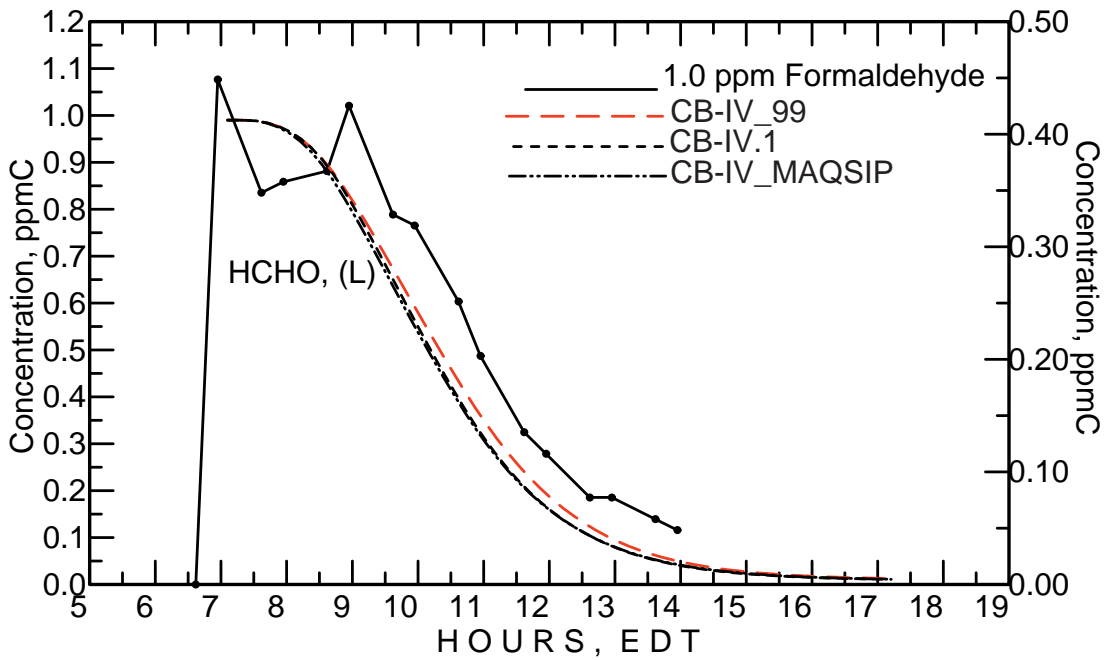
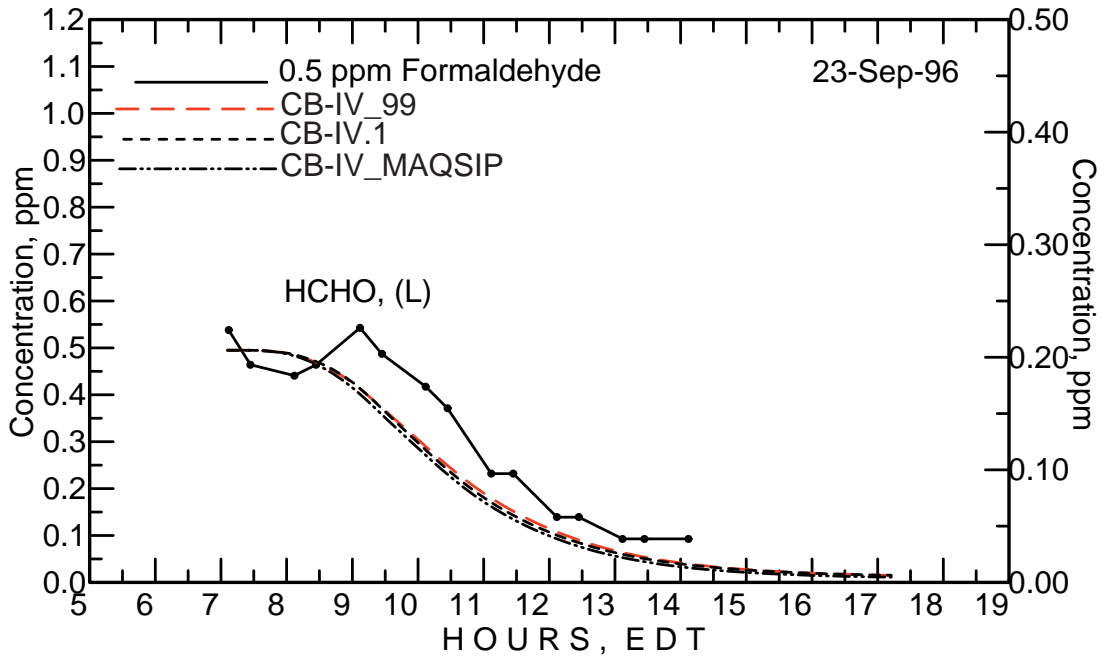


Figure C-6. September 23, 1996 HCHO/NO_x experiment simulation comparing three models (HC).

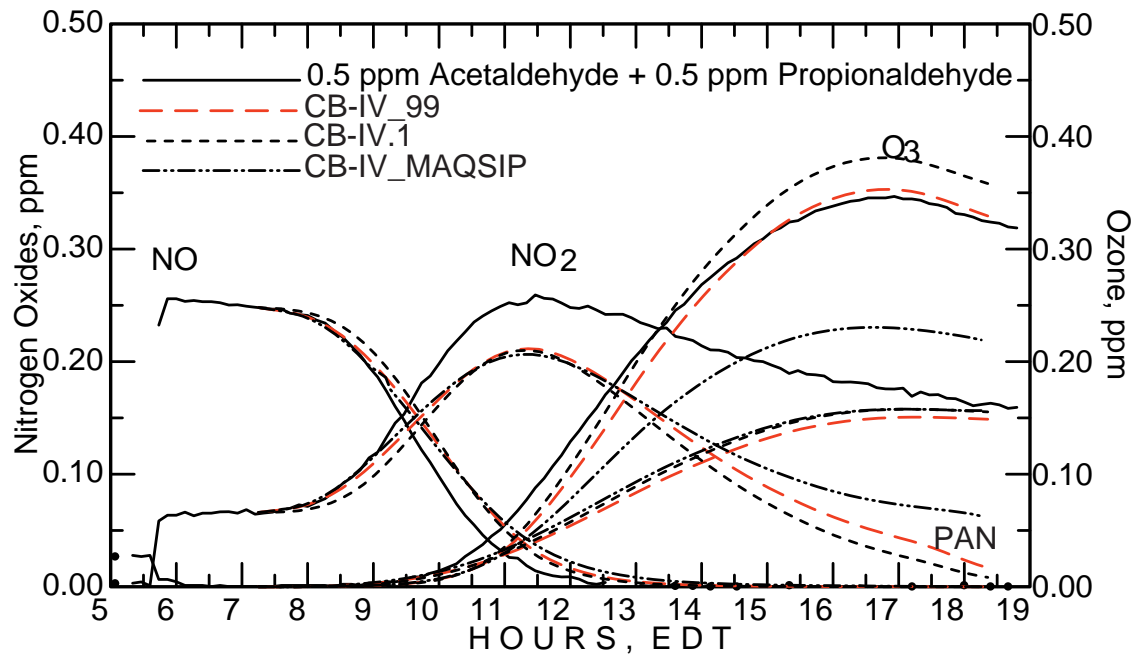
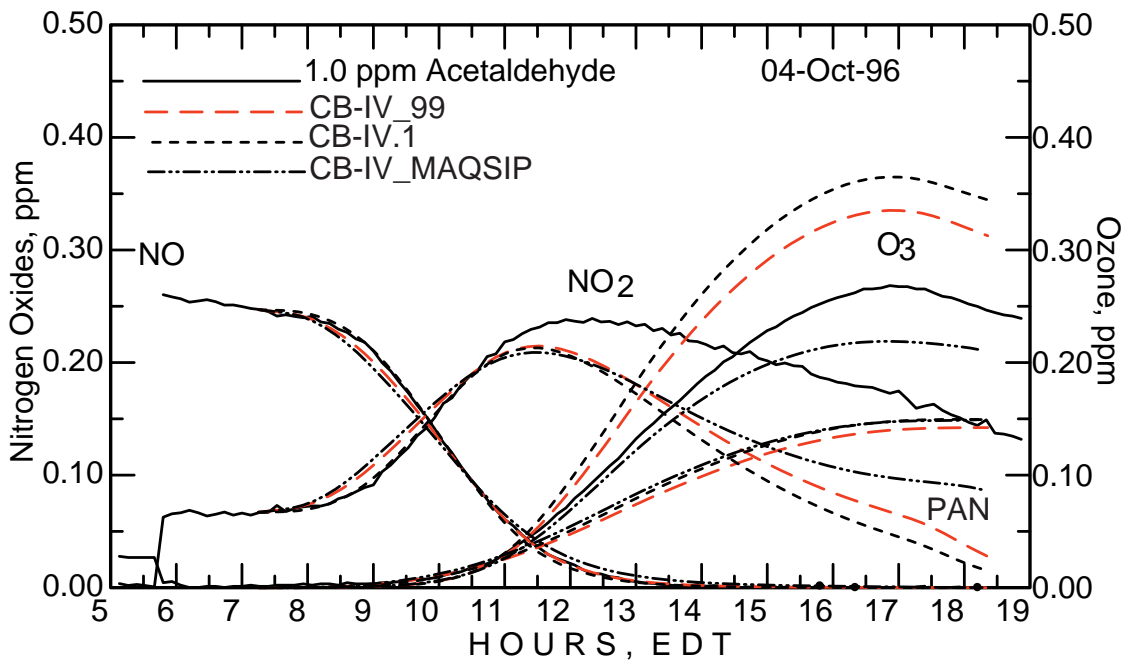


Figure C-7. October 4, 1996 aldehyde/NO_x experiment simulation comparing three models.

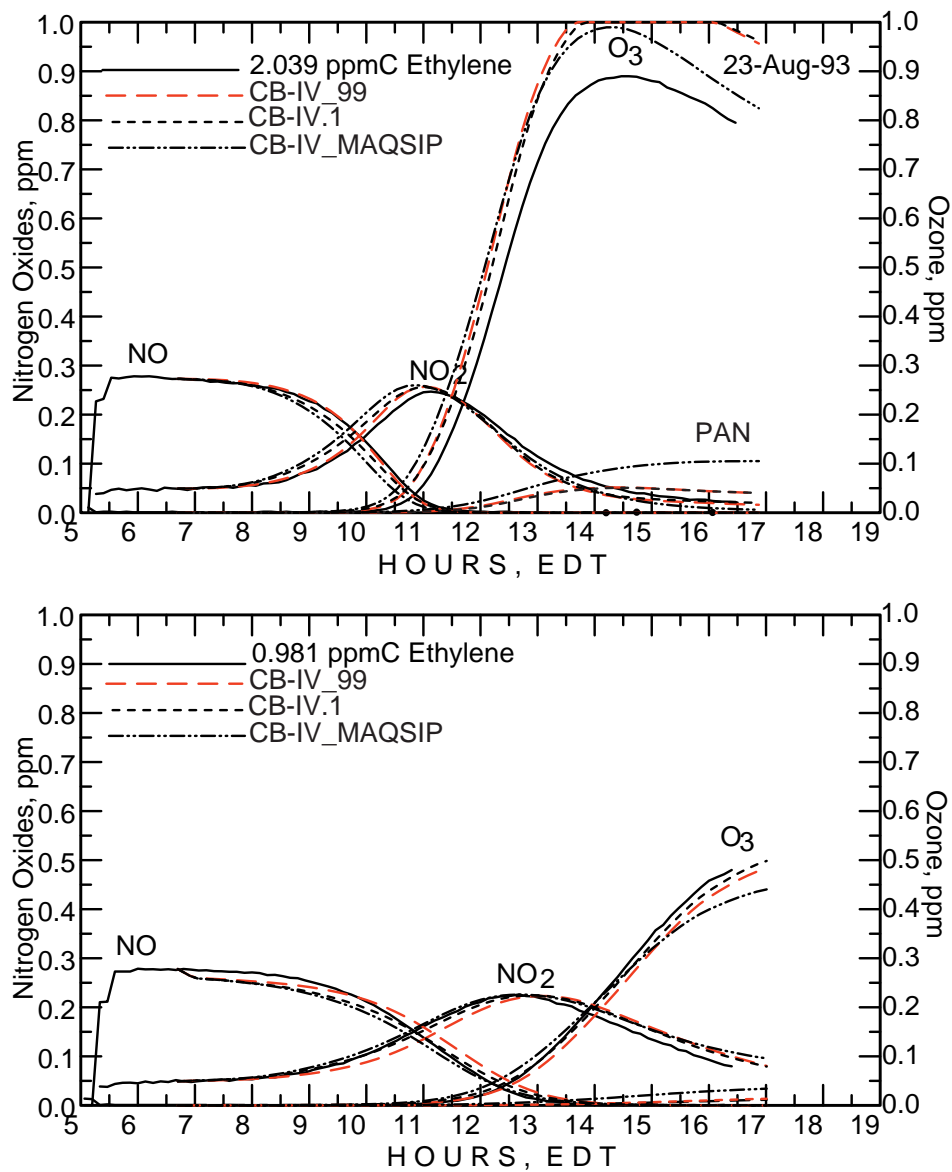


Figure C-8. August 23, 1993 ethene/NO_x experiment simulation comparing three models.

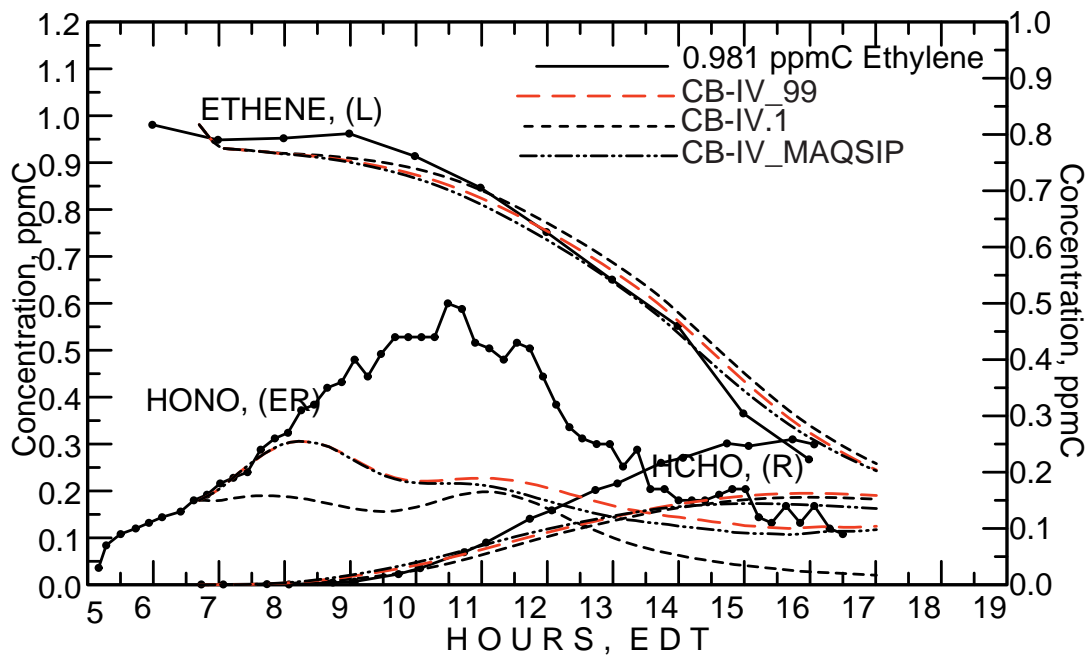
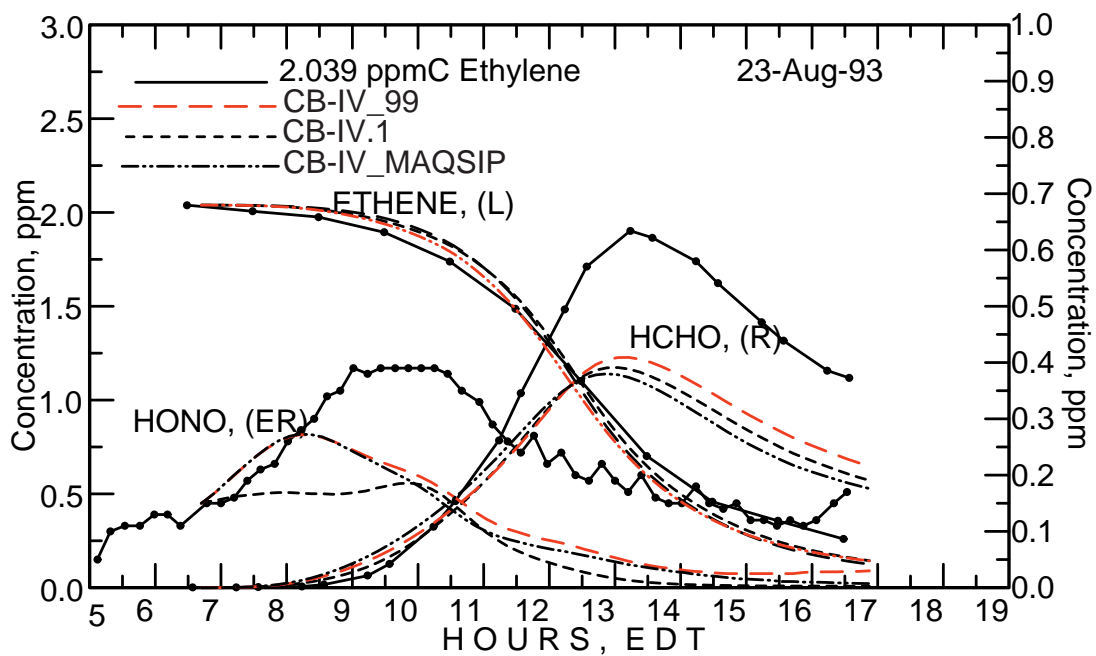


Figure C-9. August 23, 1993 ethene/NO_x experiment simulation comparing three models (HC).

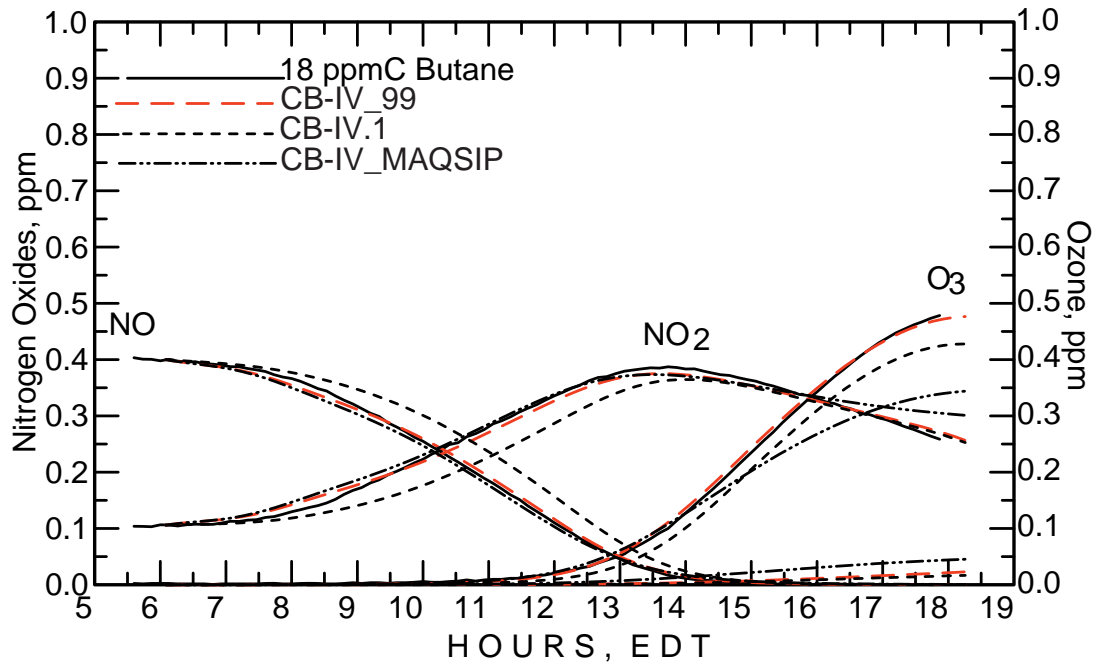
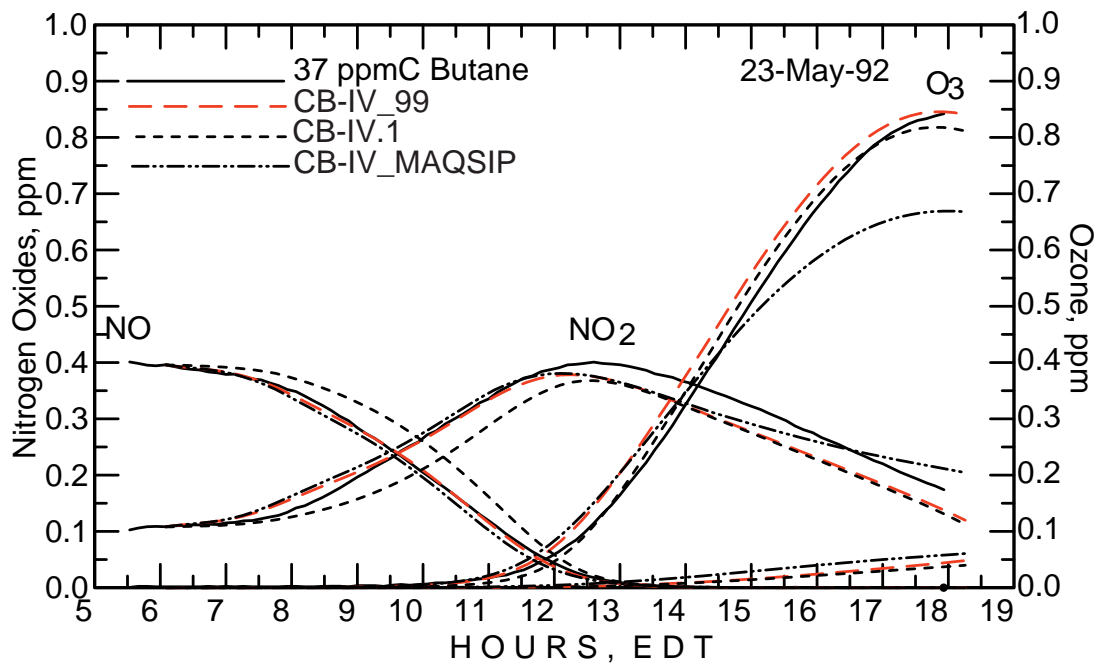


Figure C-10. May 23, 1992 butane/NO_x experiment simulation comparing three models.

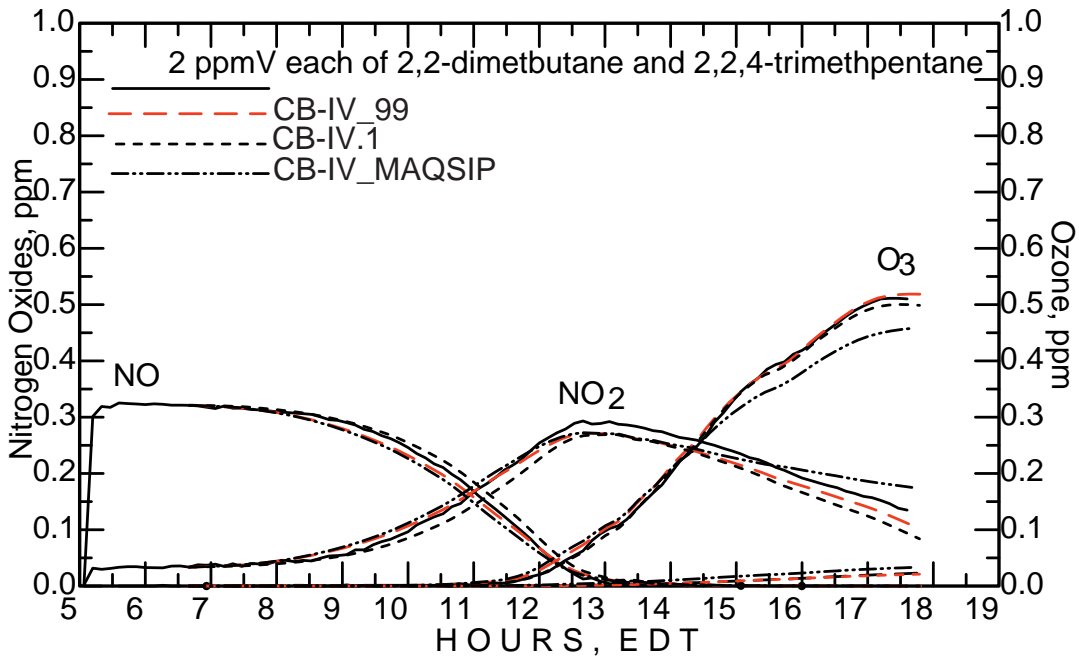
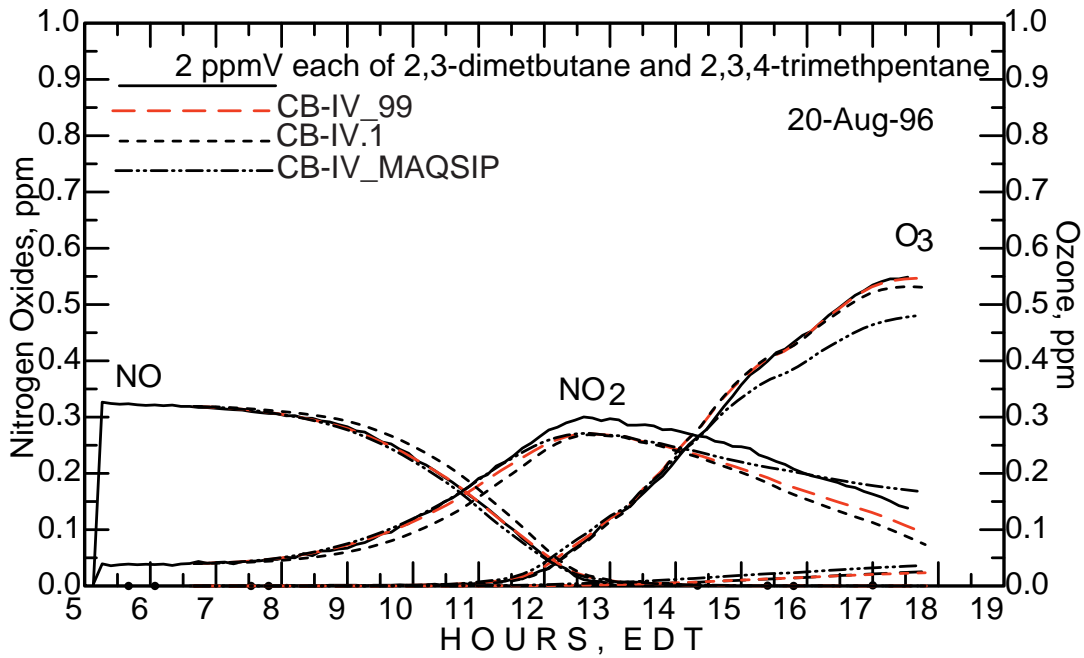


Figure C-11. August 20, 1996 paraffin/NO_x experiment comparing three models.

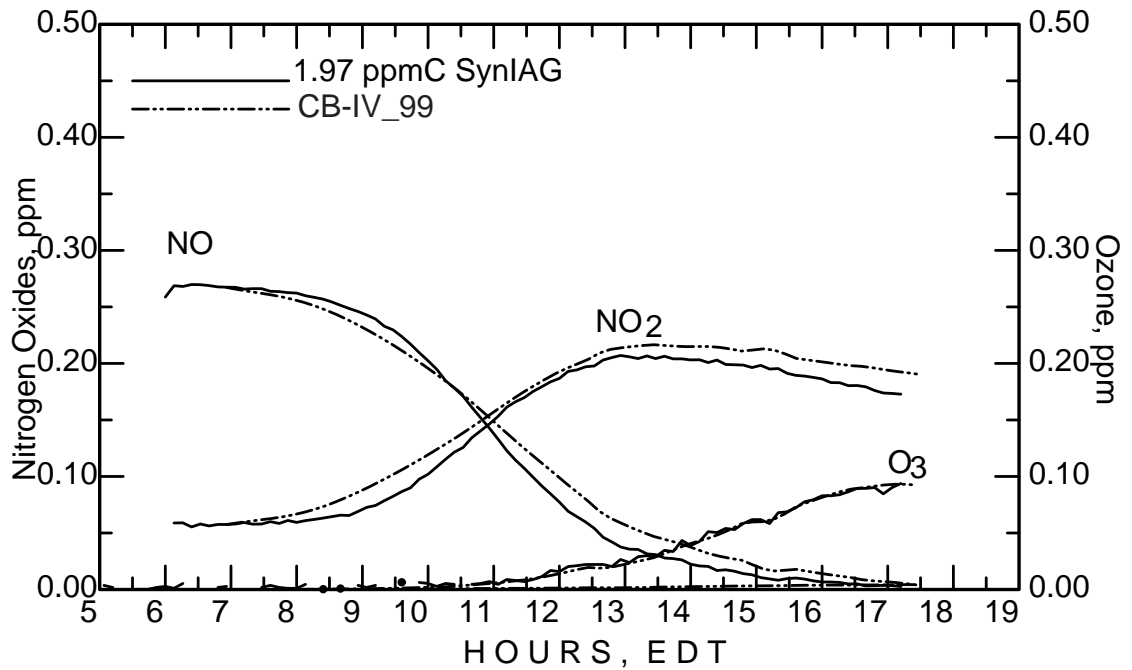
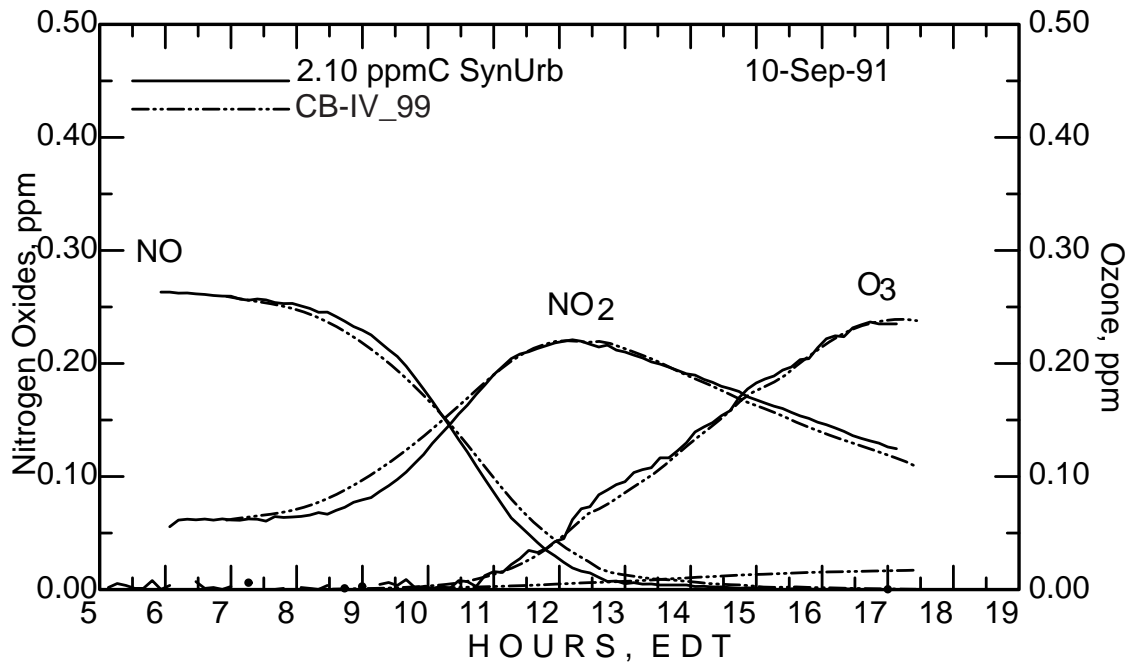


Figure C-12. Simulation results for the Sept. 10, 1991 Urban Mix/NO_x experiment – O₃ and NO_x.

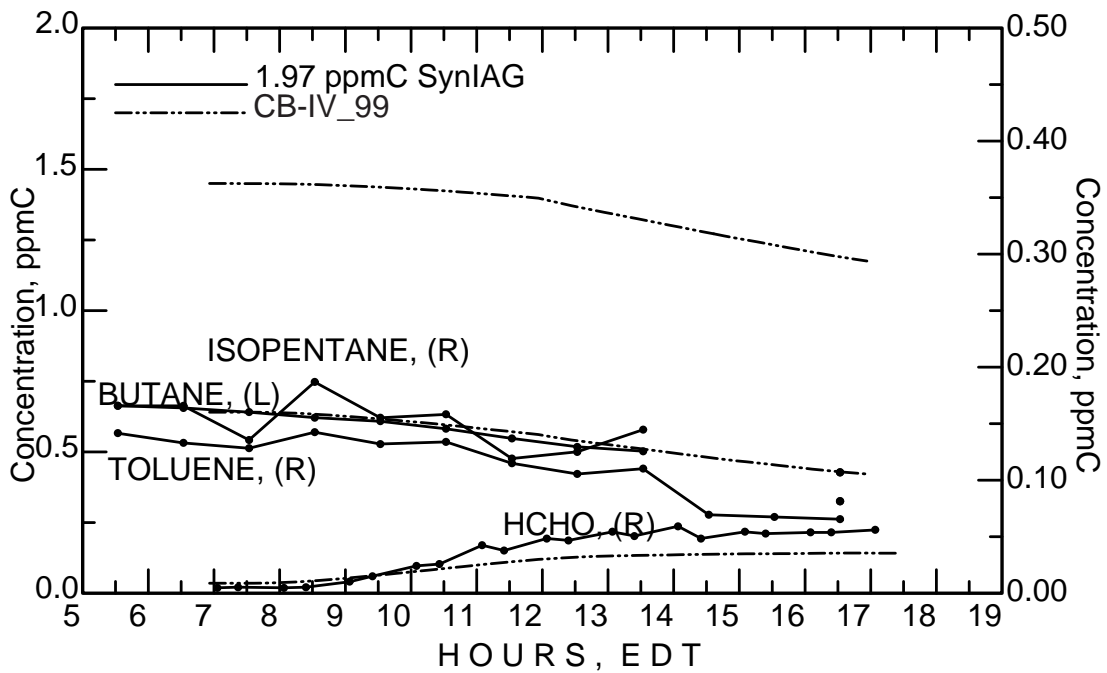
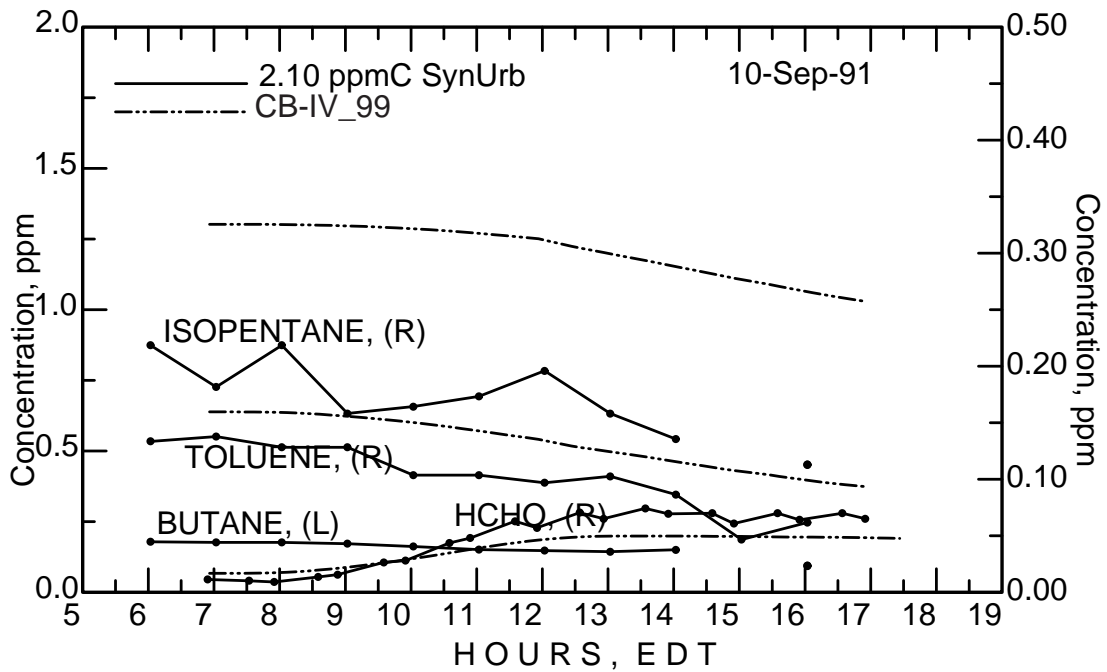


Figure C-13. Simulation results for the Sept. 10, 1991 Urban Mix/NO_x experiment – HC.

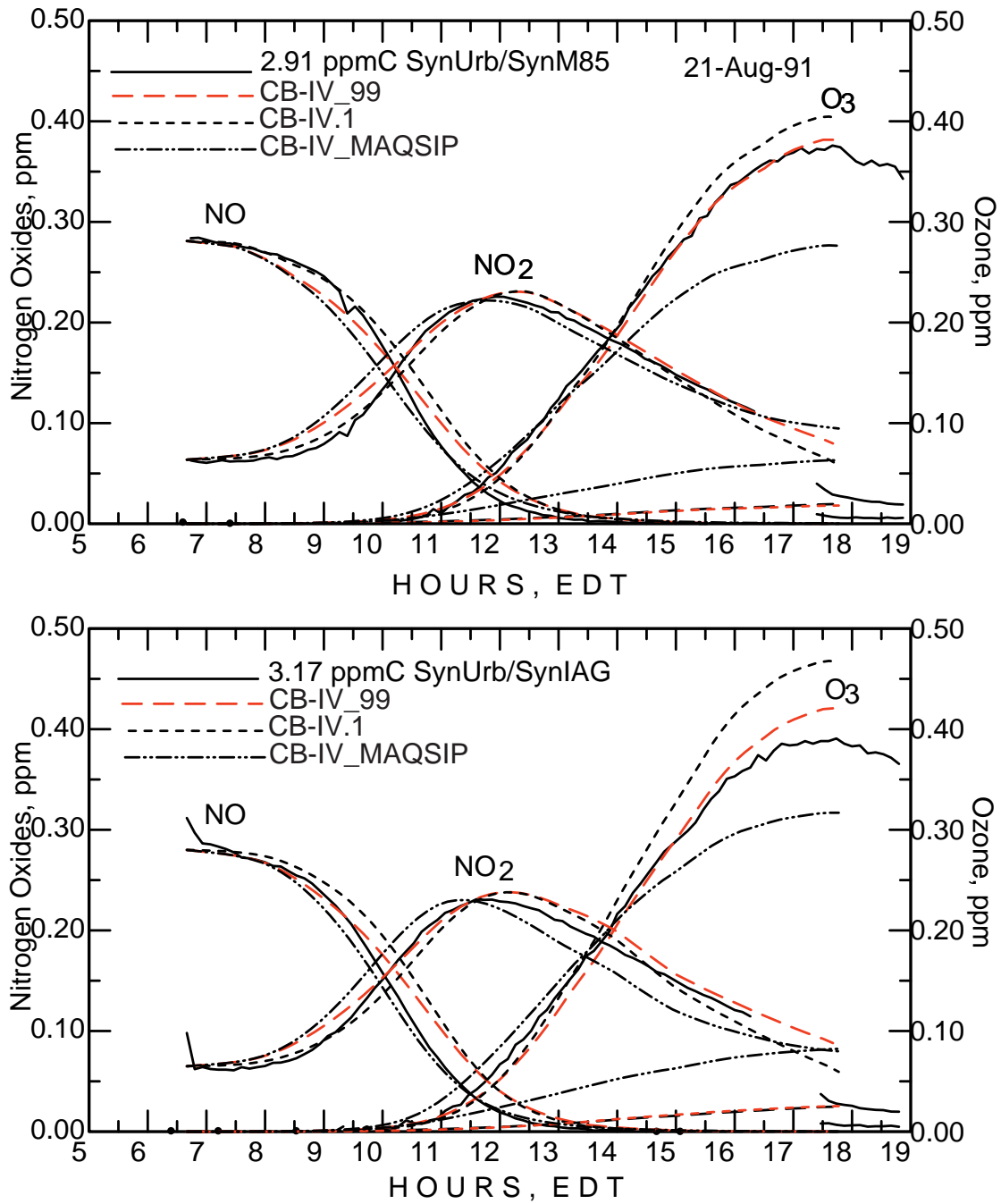


Figure C-14. August 21, 1991 Urban Mix/NO_x experiment simulation comparing three models.

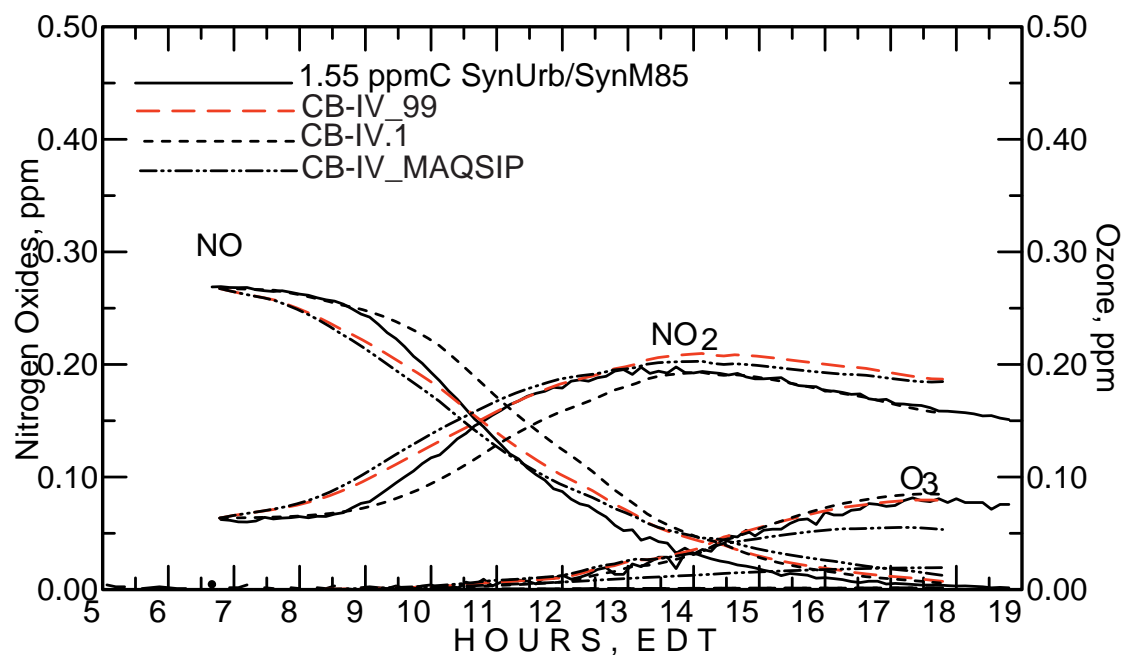
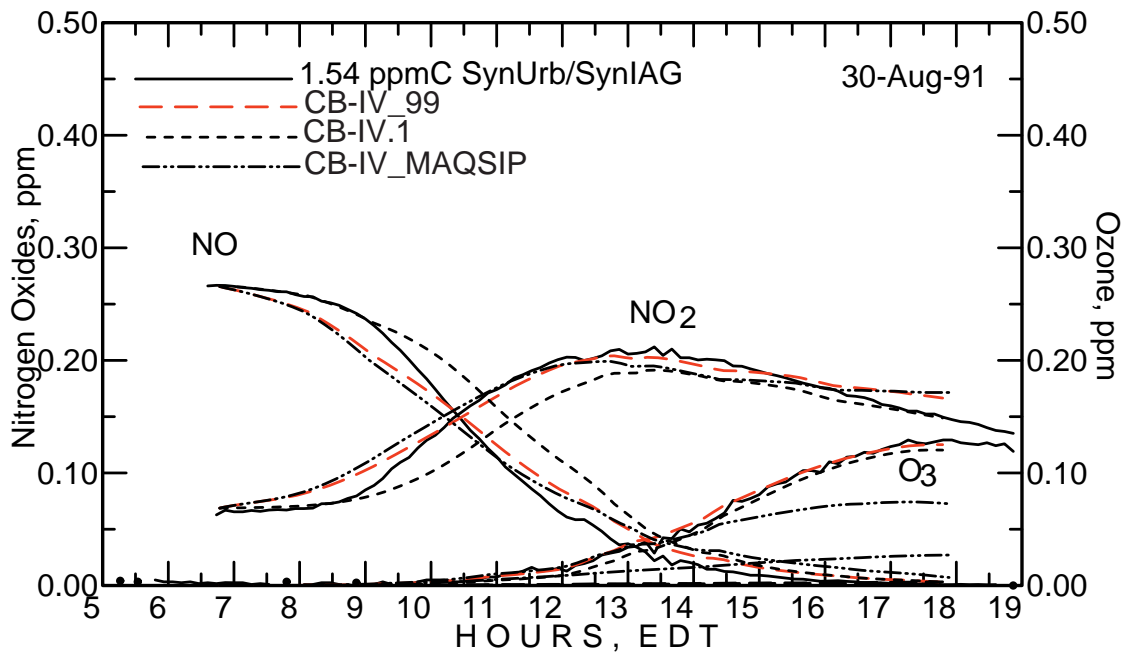


Figure C-15. August 30, 1991 Urban Mix/NO_x experiment simulation comparing three models.

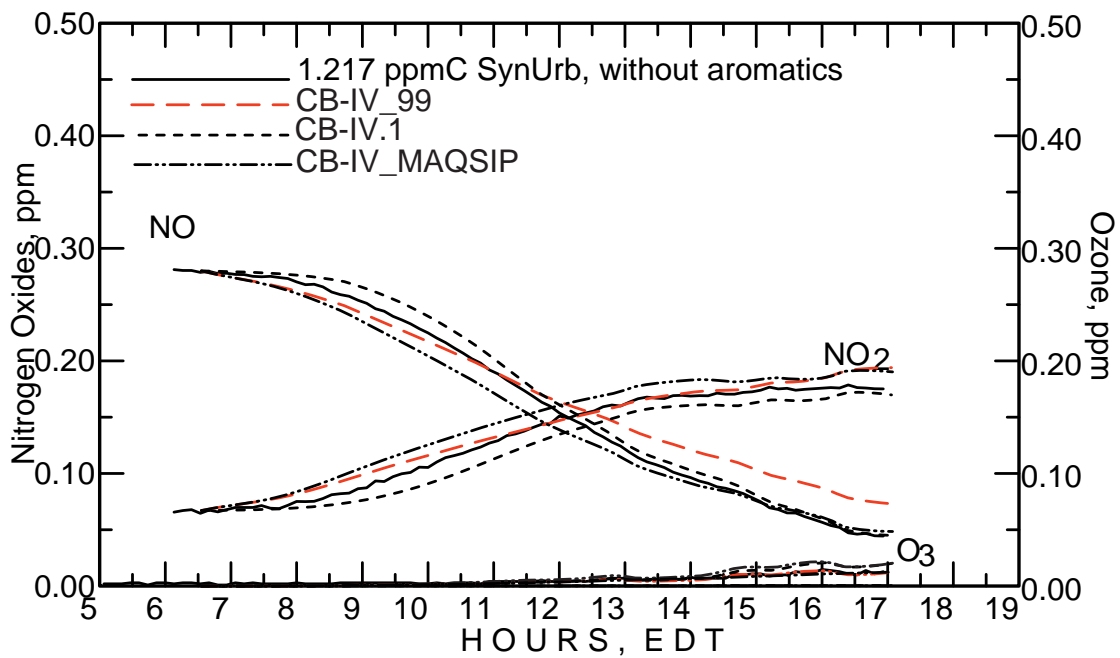
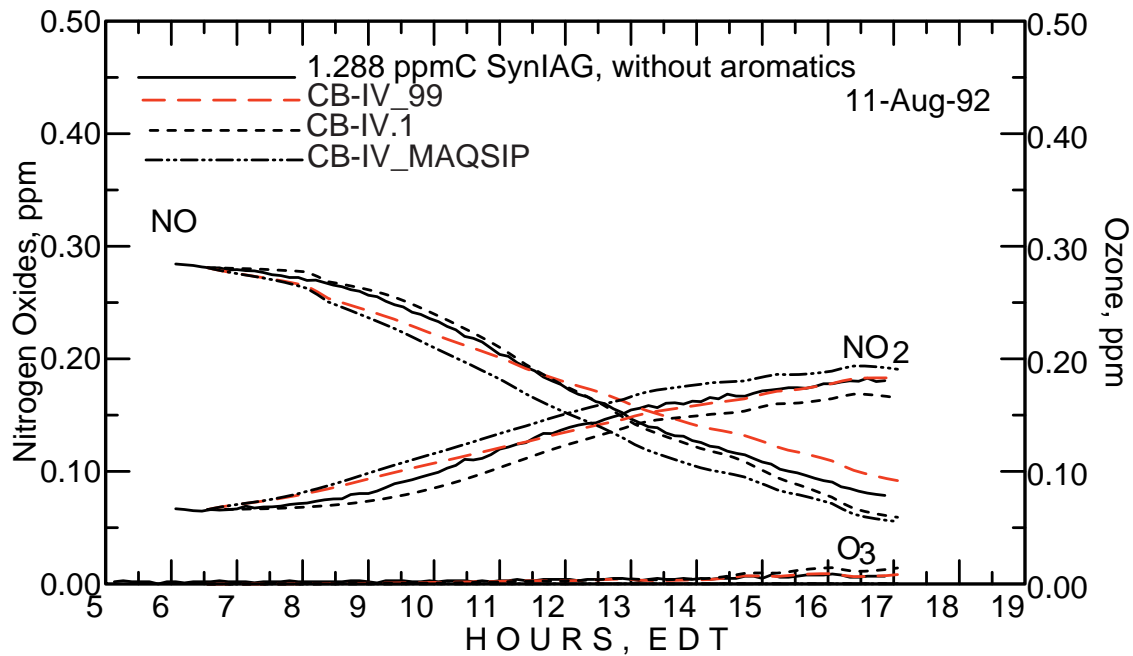


Figure C-16. August 11, 1992 Urban Mix/NO_x experiment simulation comparing three models.

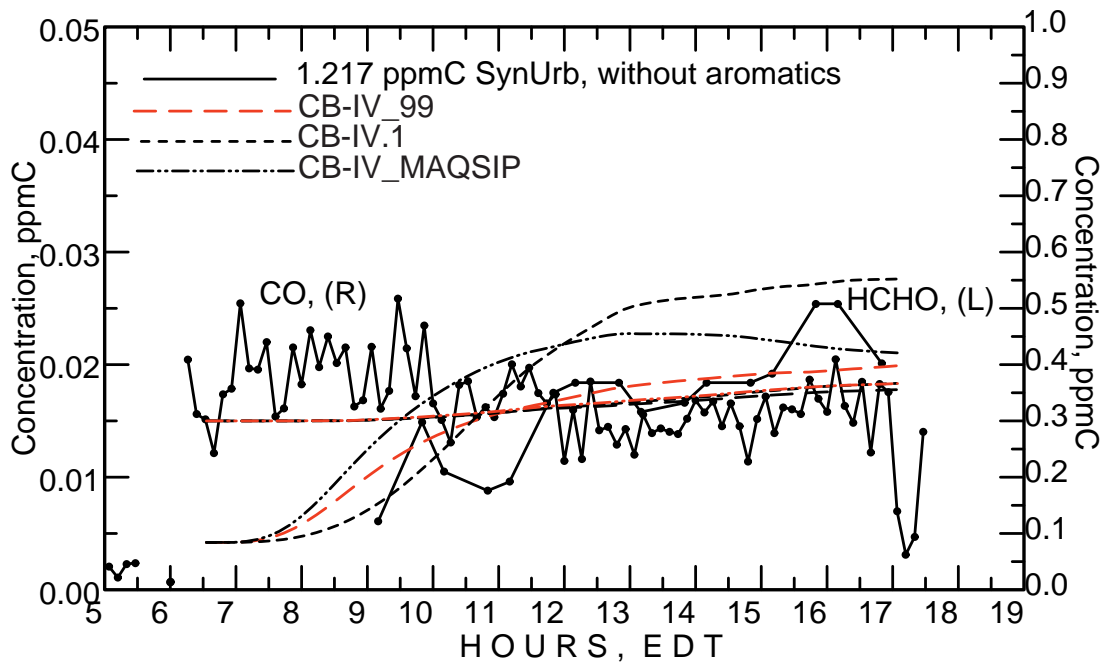
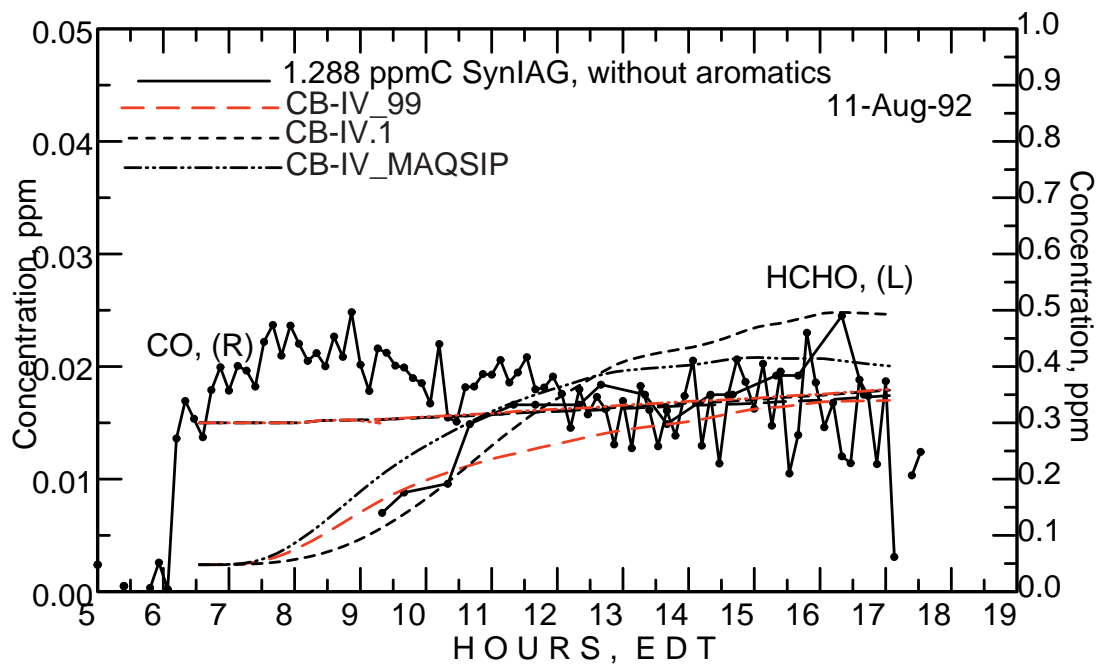


Figure C-17. August 11, 1992 Urban Mix/NO_x experiment simulation comparing three models (HC).

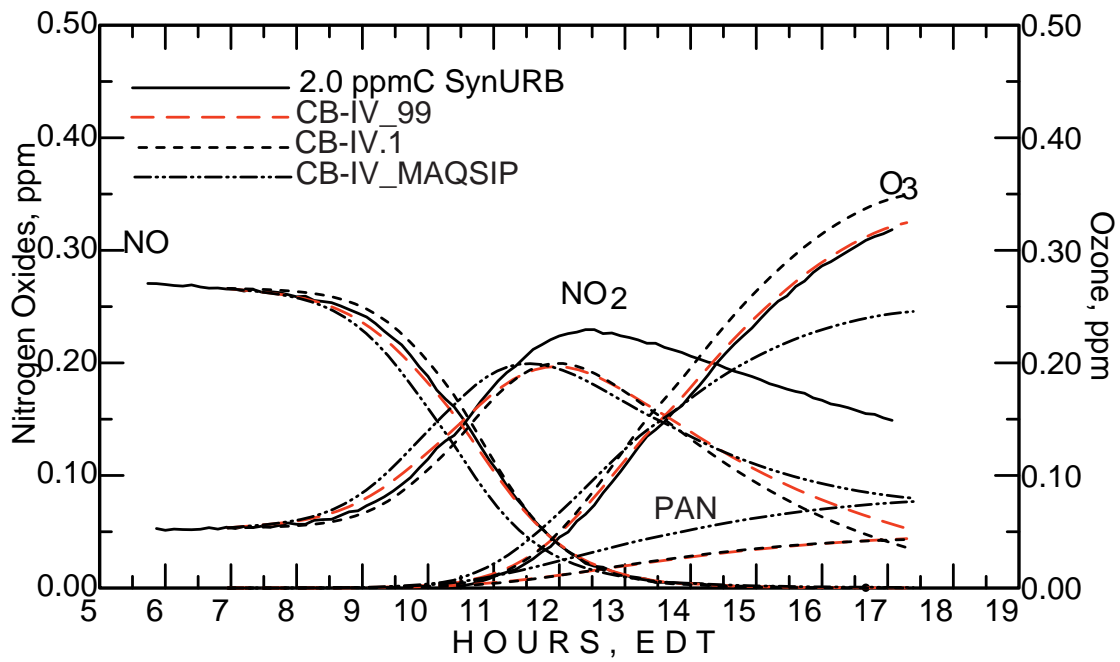
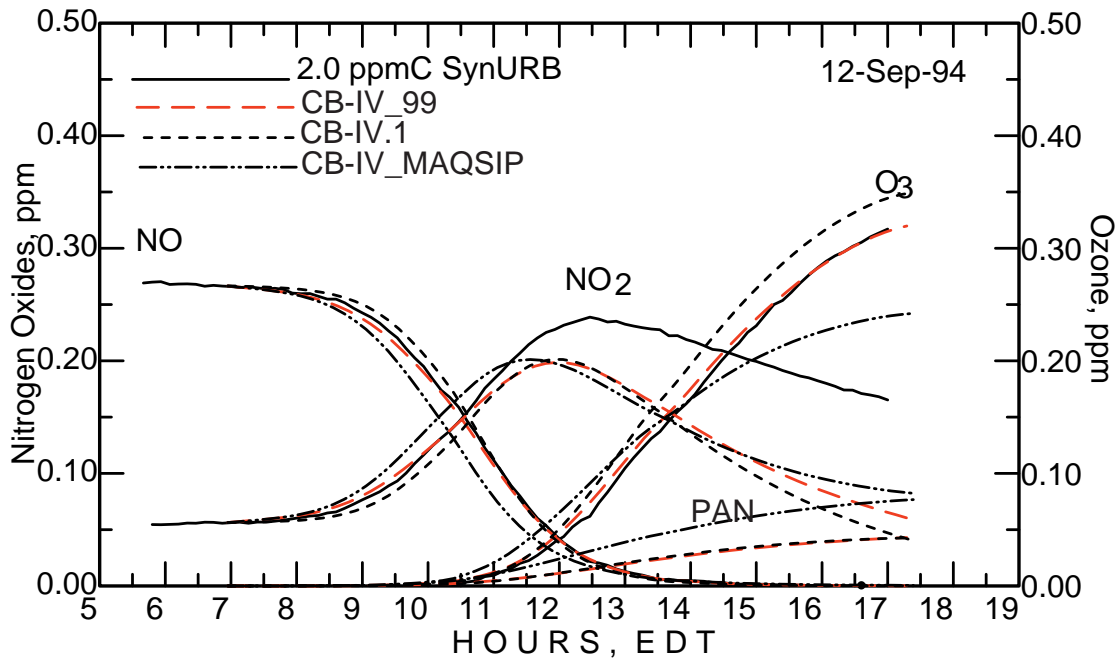


Figure C-18. September 12, 1994 Urban Mix/NO_x experiment simulation comparing three models.

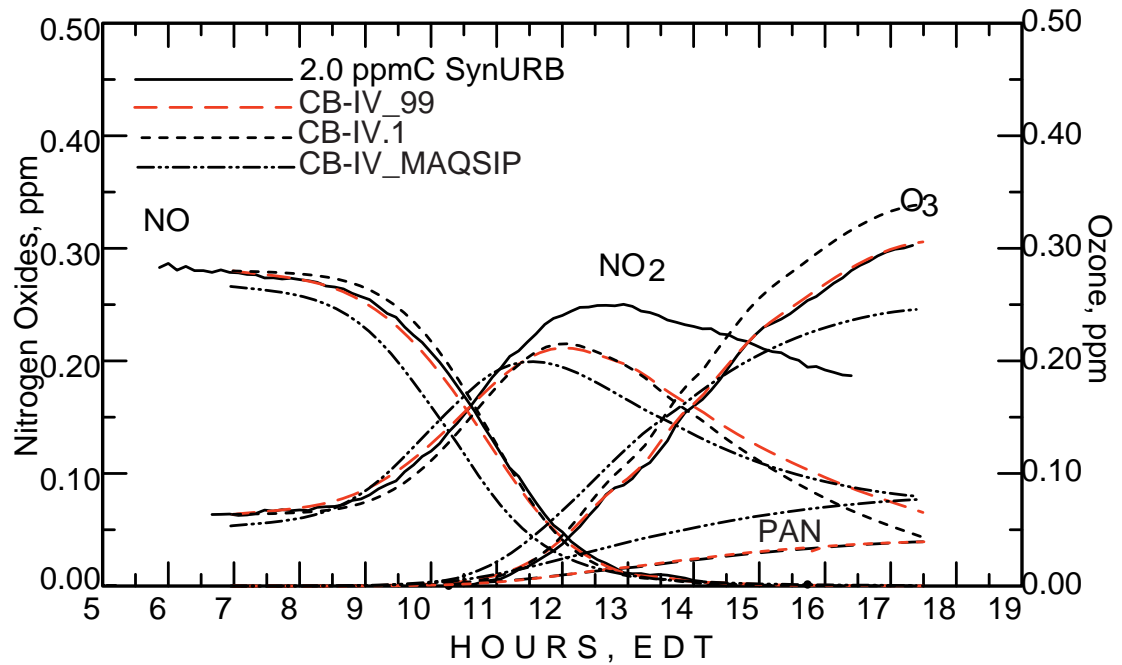
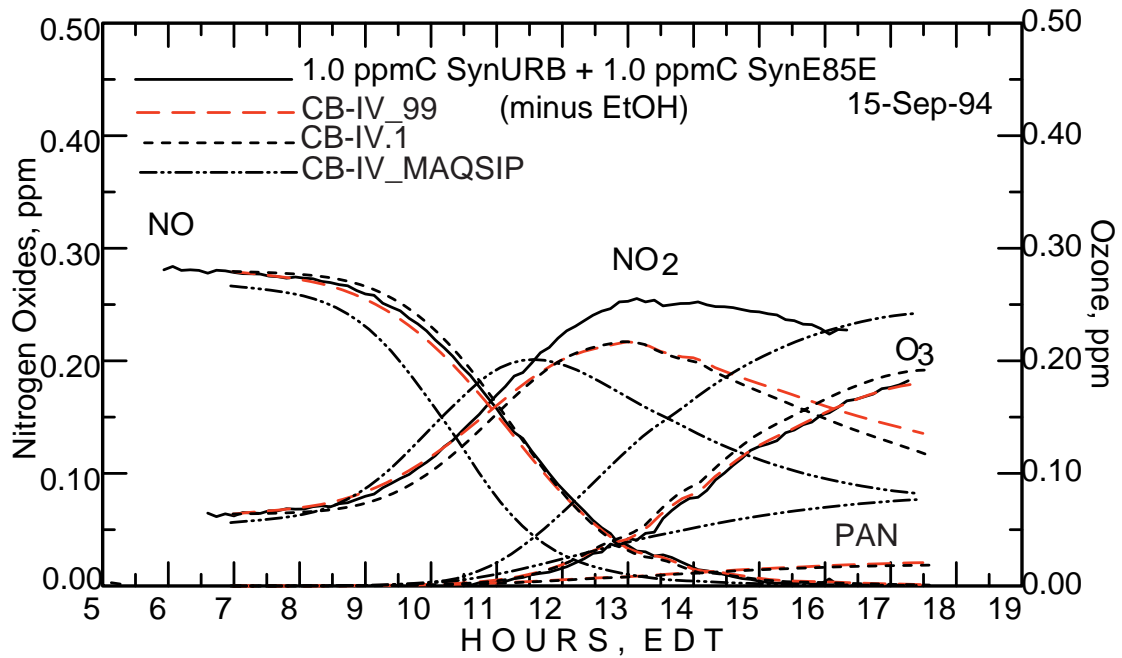


Figure C-19. September 15, 1994 Urban Mix/NO_x experiment simulation comparing three models.

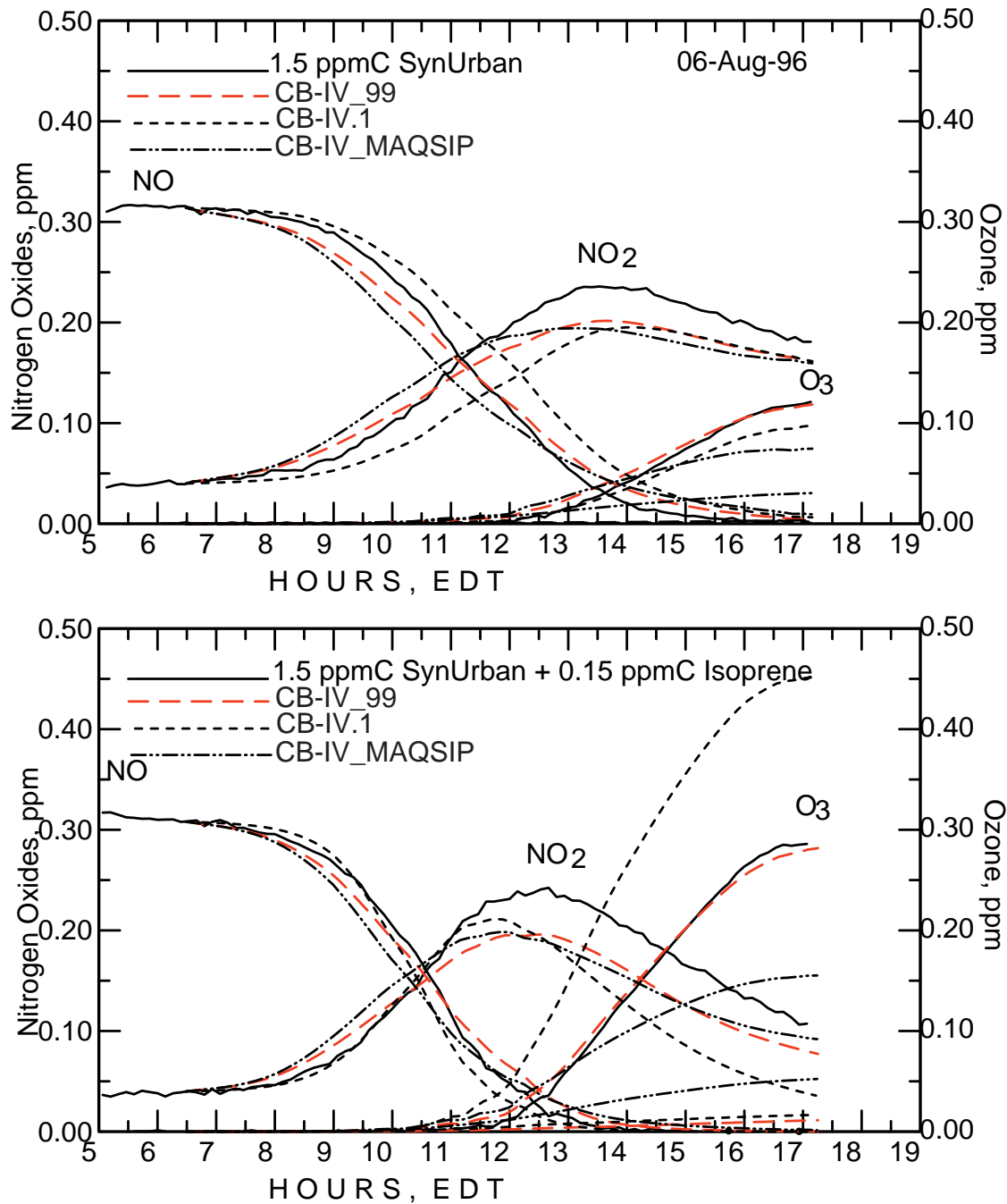


Figure C-20. August 6, 1996 Isoprene MIR experiment simulation comparing three models.

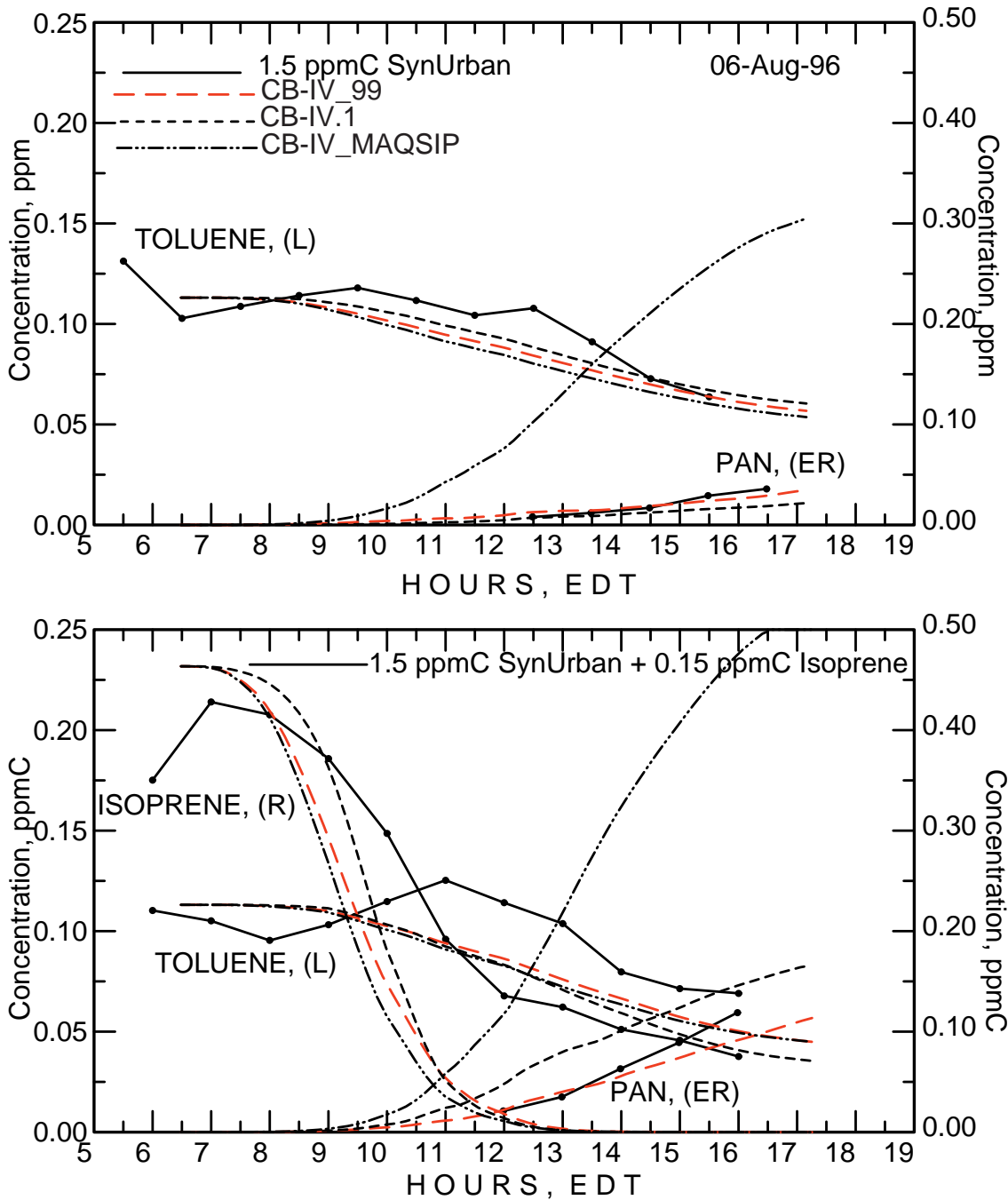


Figure C-21. August 6, 1996 isoprene MIR experiment simulation comparing three models.

C.2 UC Riverside Indoor Teflon Smog-Chamber Simulations

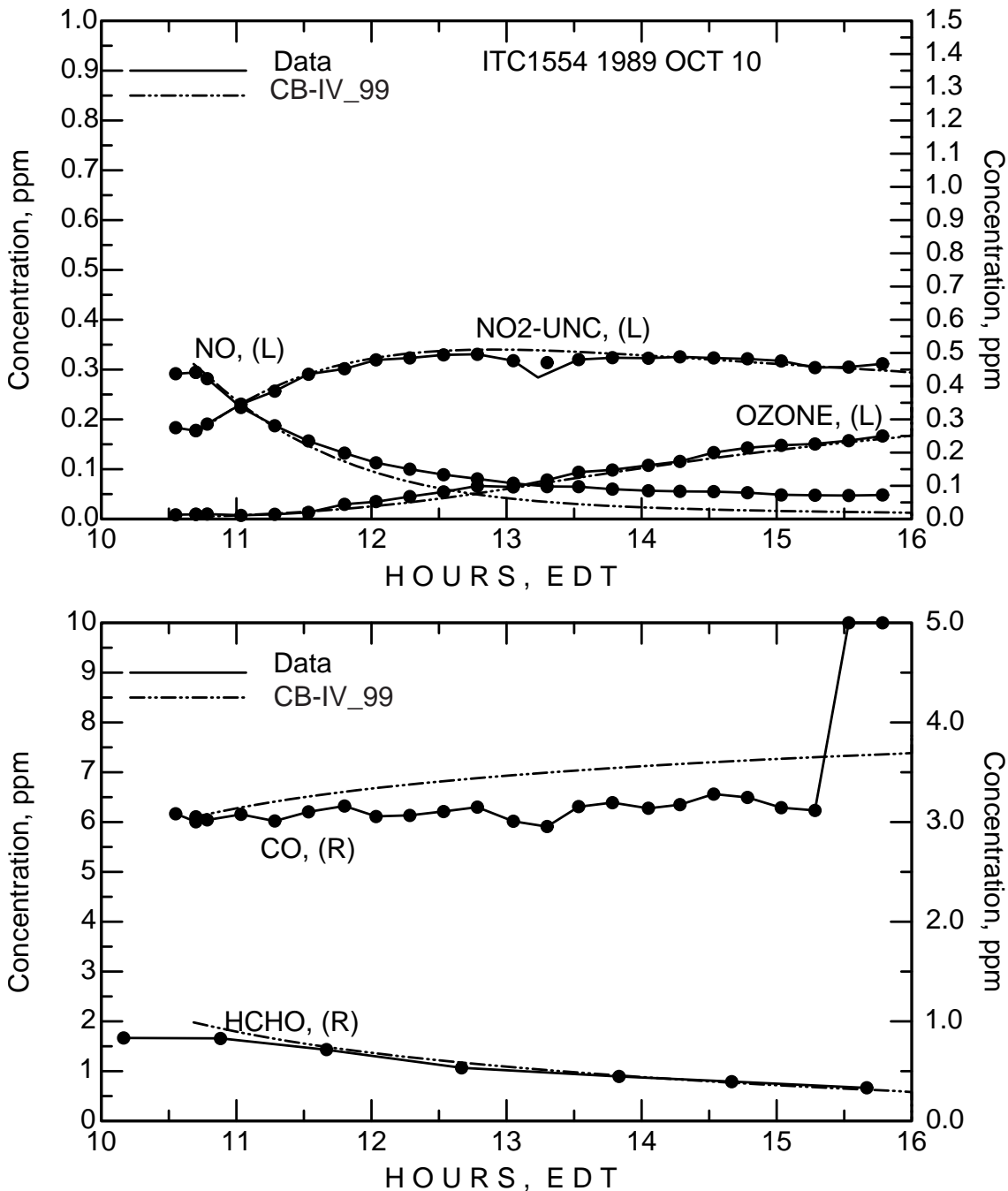


Figure C-22. Simulation results for the October 10, 1989 HCHO/NO_x experiment (ITC1554).

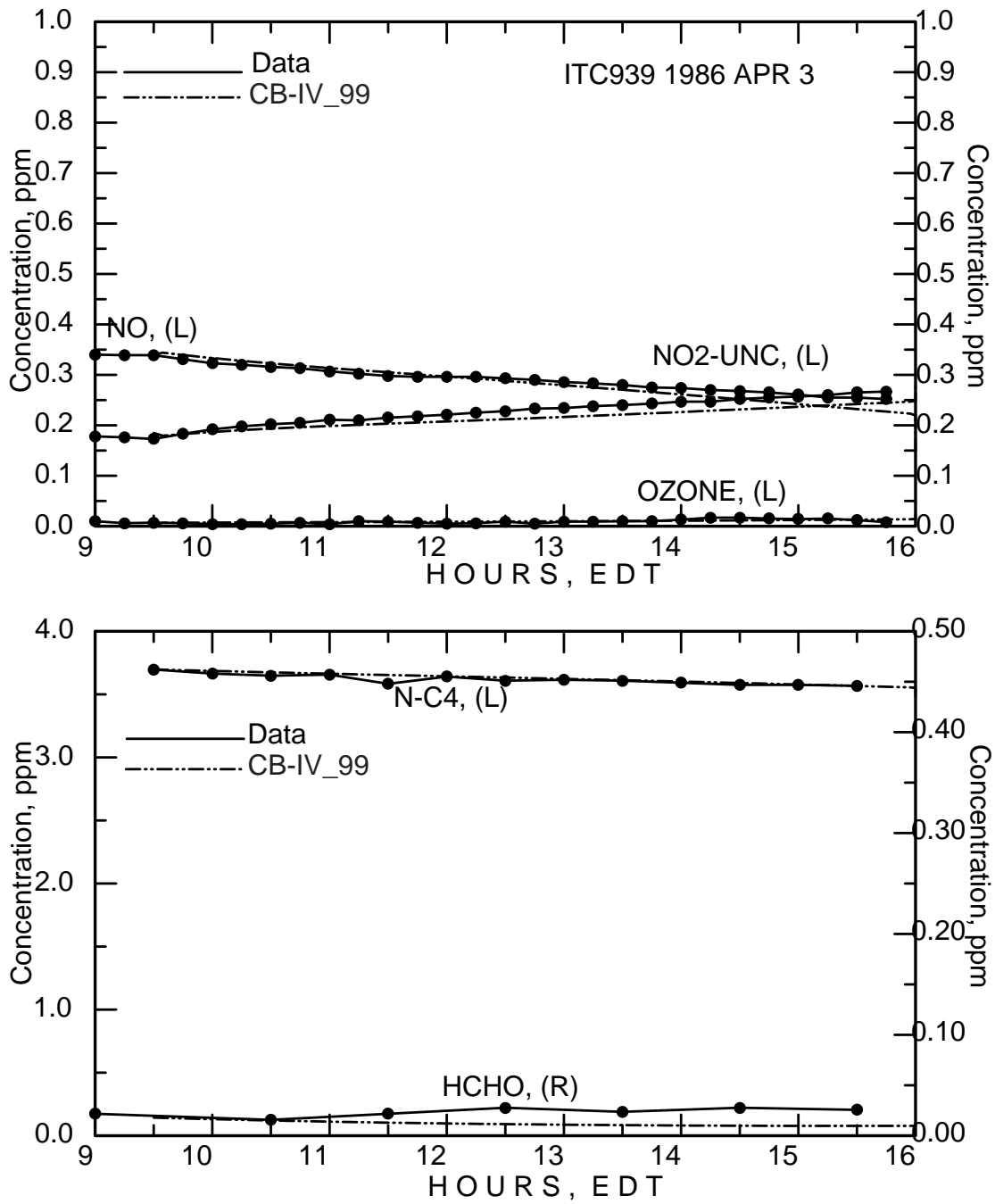


Figure C-23. Simulation results for the April 3, 1986 n-Butane/NO_x experiment (ITC939).

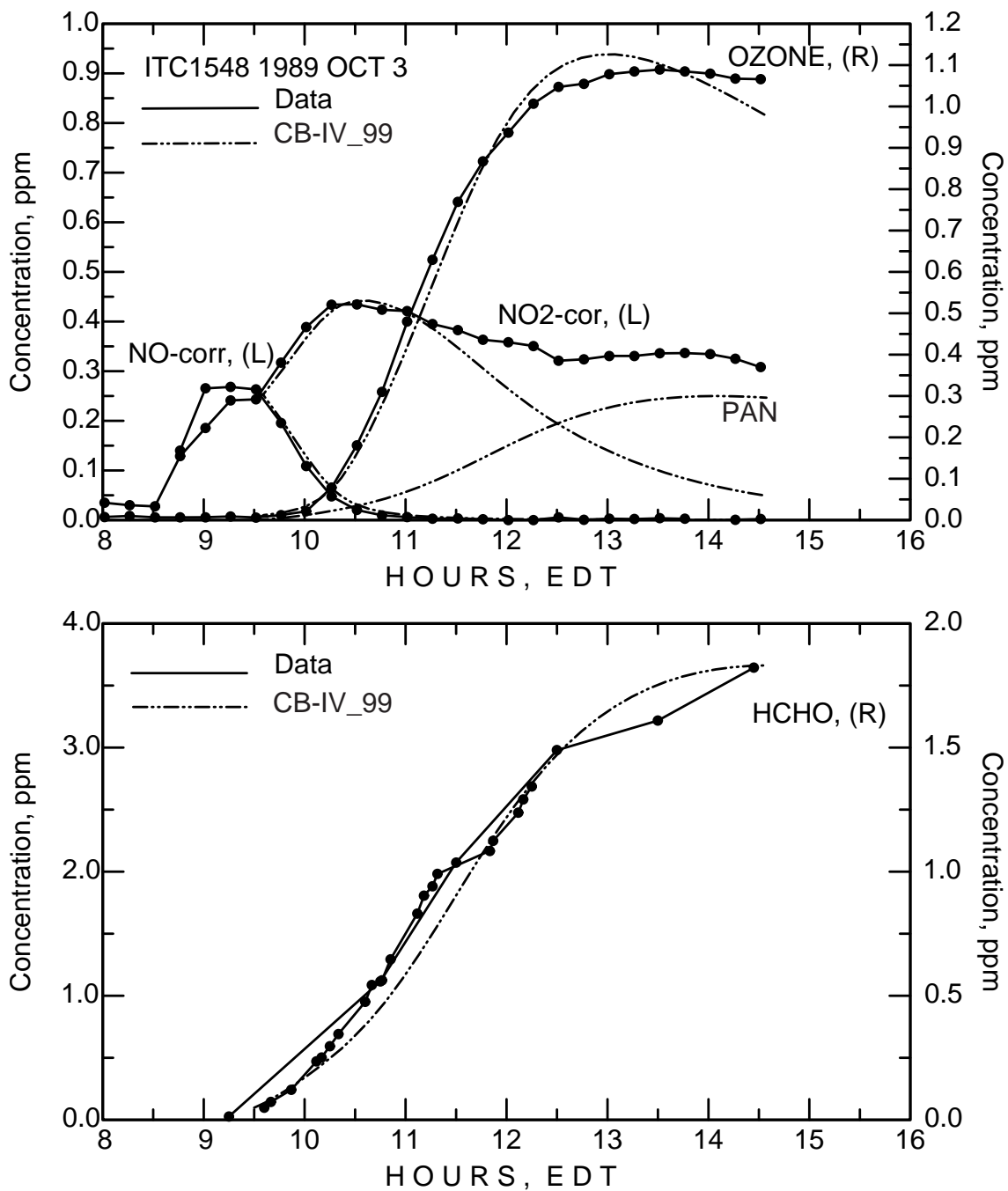


Figure C-24. Simulation results for the October 2, 1989 ethene/NO_x experiment (ITC1548).

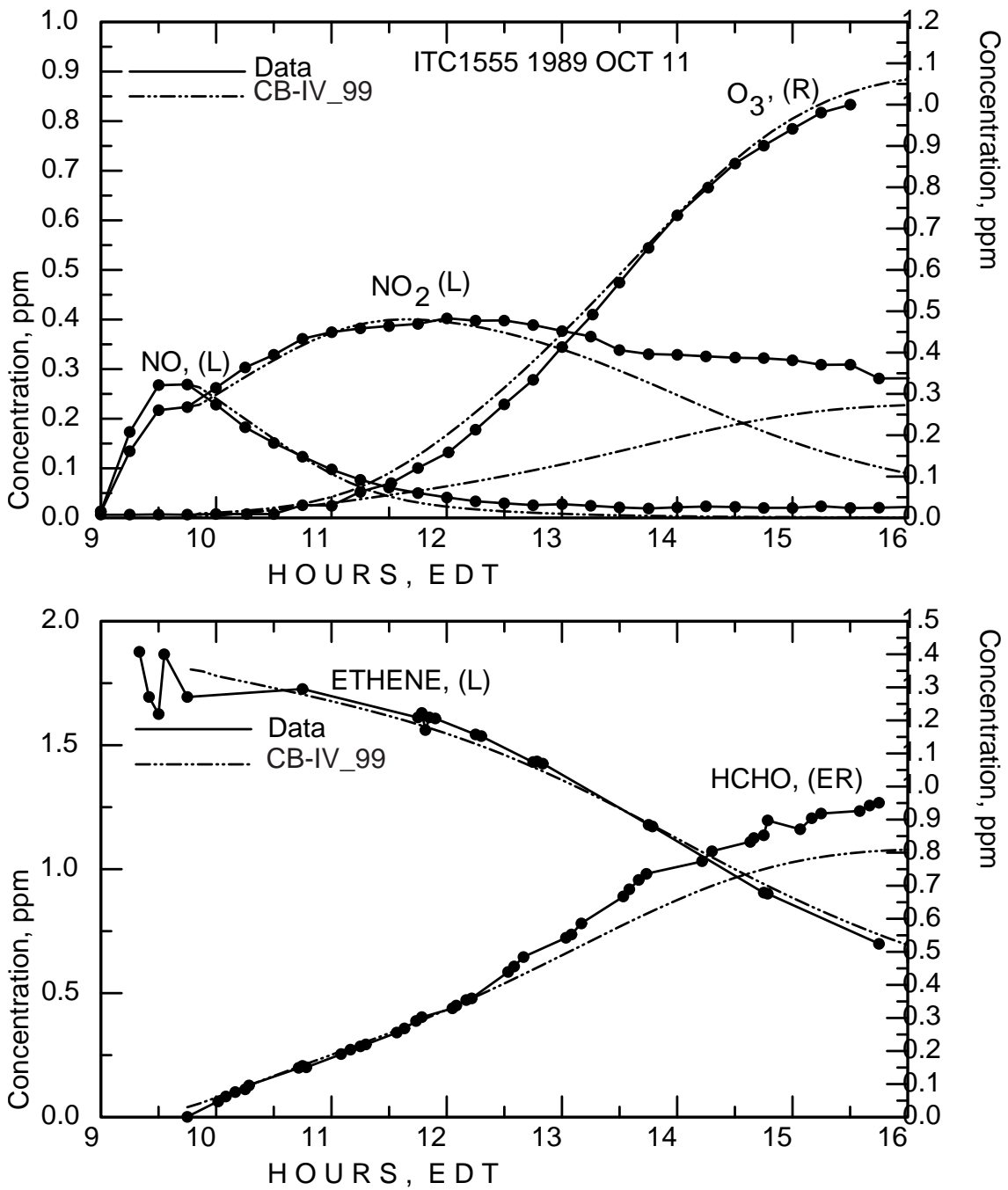


Figure C-25. Simulation results for the October 7, 1989 ethene experiment (ITC1555).

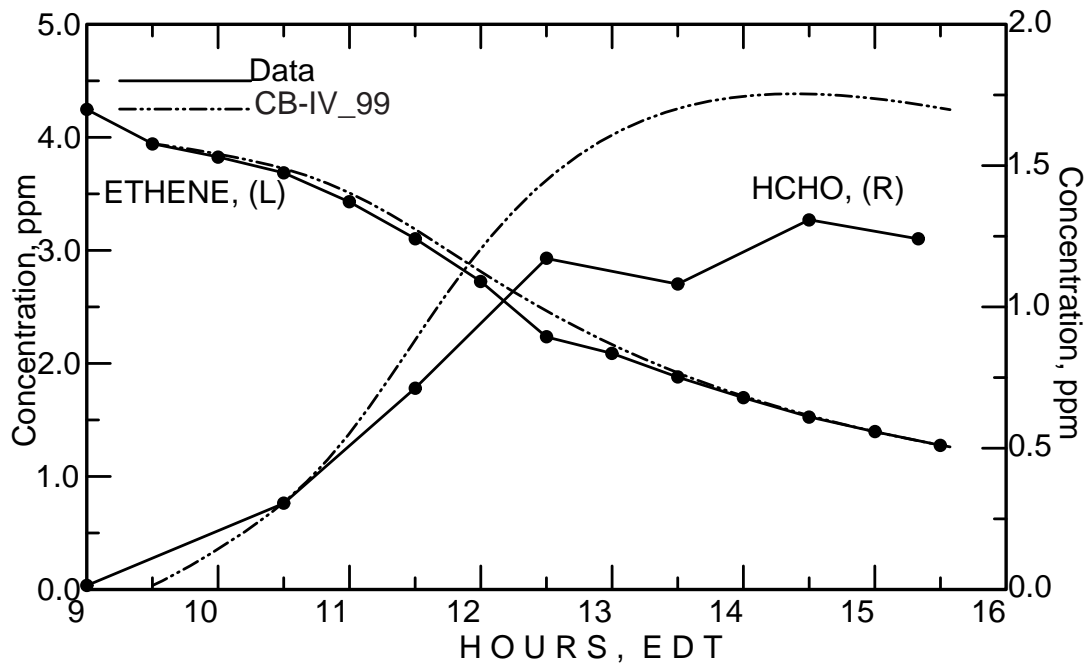
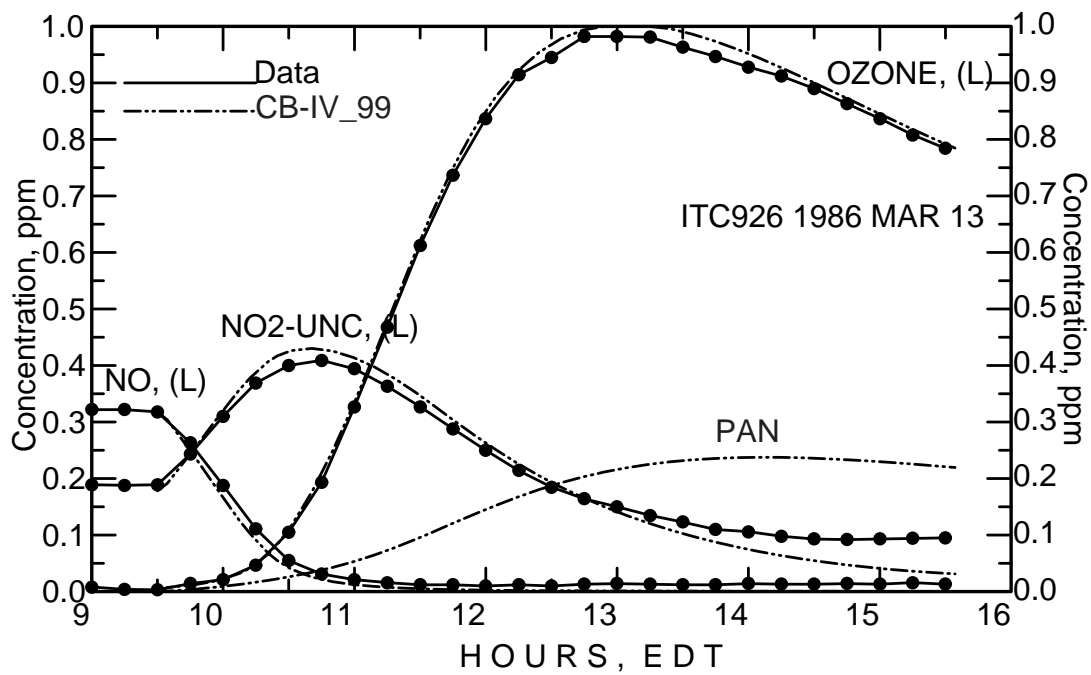


Figure C-26. Simulation results for the March 13, 1986 ethene/NO_x experiment (ITC926).

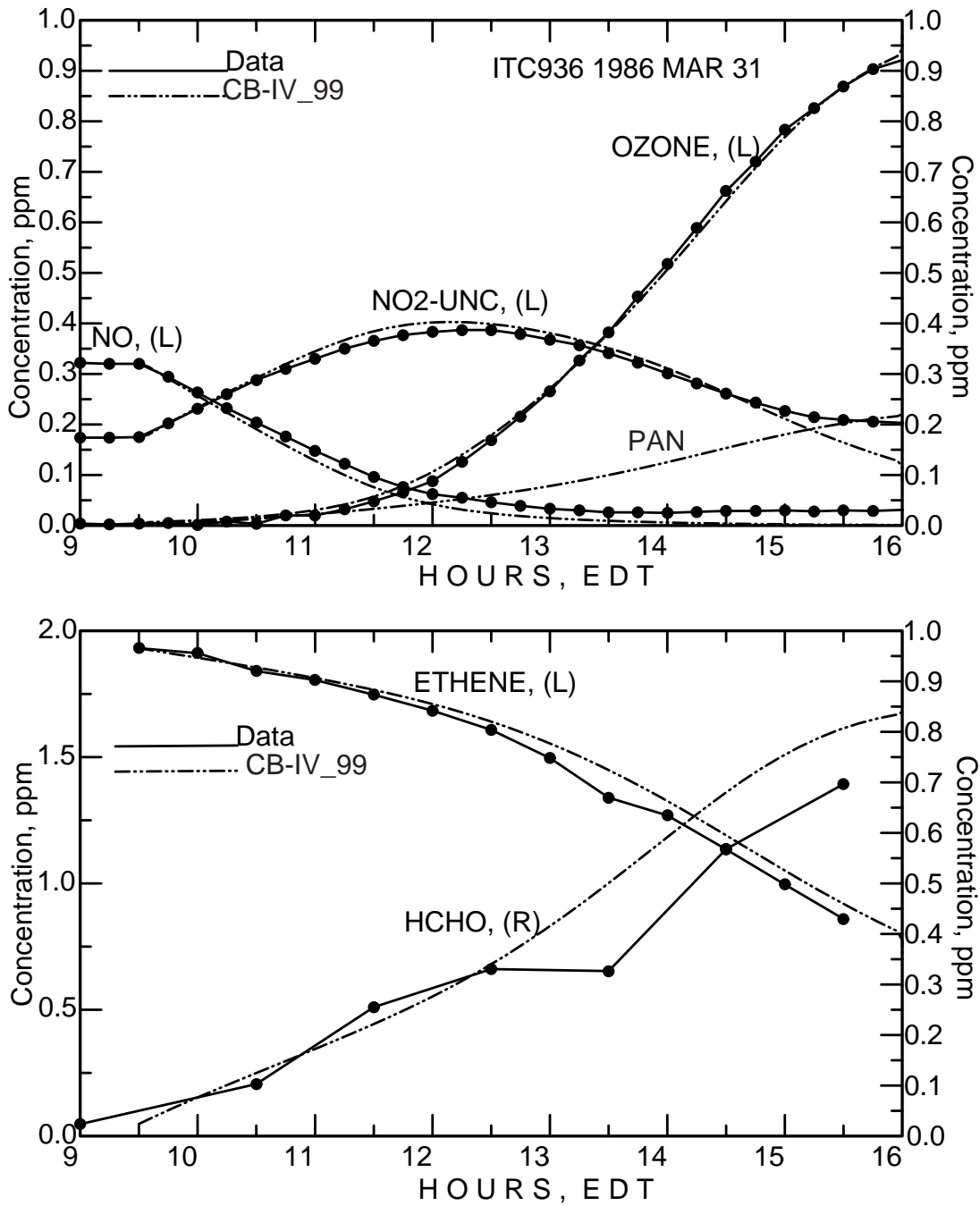


Figure C-27. Simulation results for the March 31, 1986 ethene/NO_x experiment (ITC936).

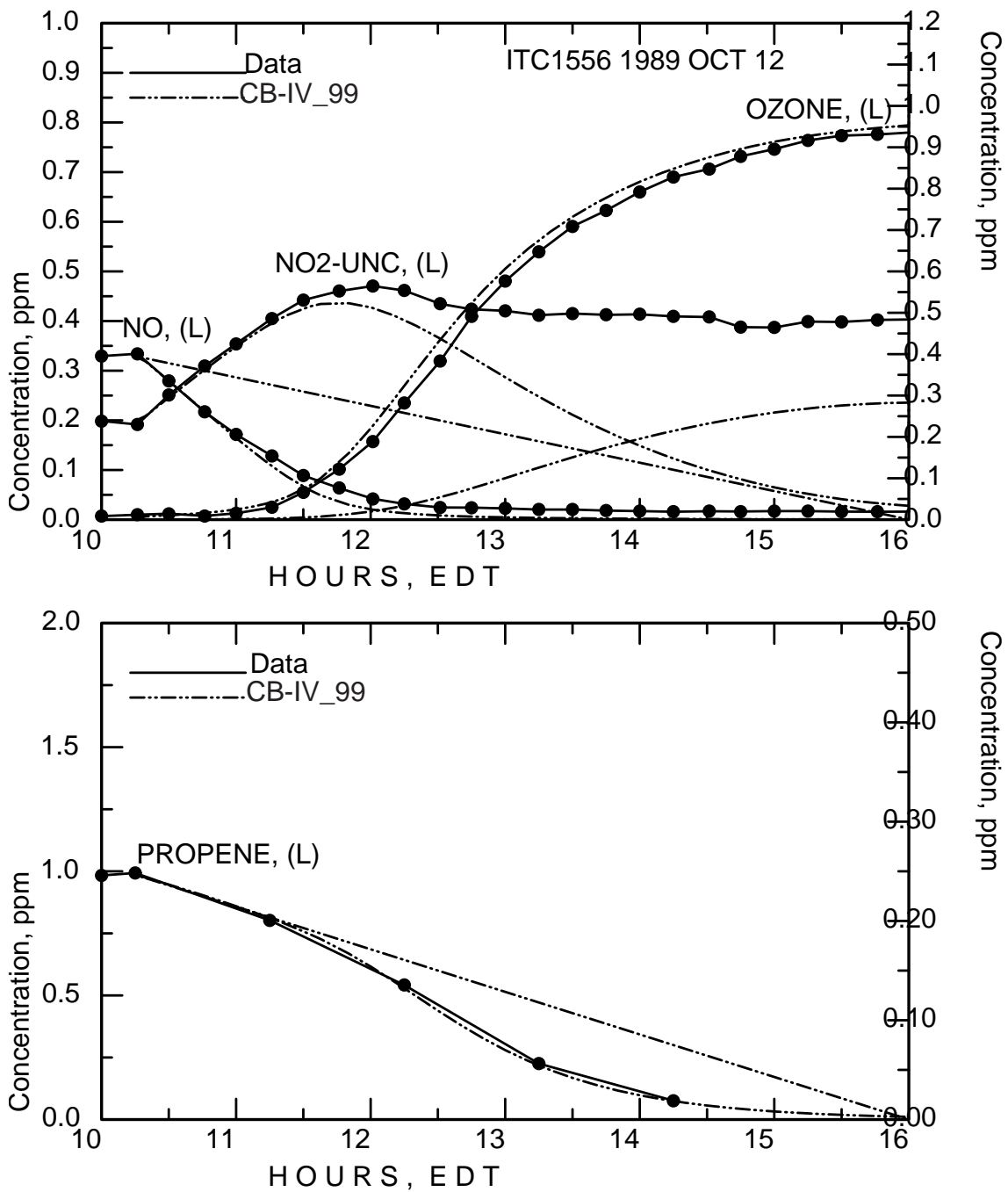


Figure C-28. Simulation results for the October 12, 1989 propene/NO_x experiment (ITC1556).

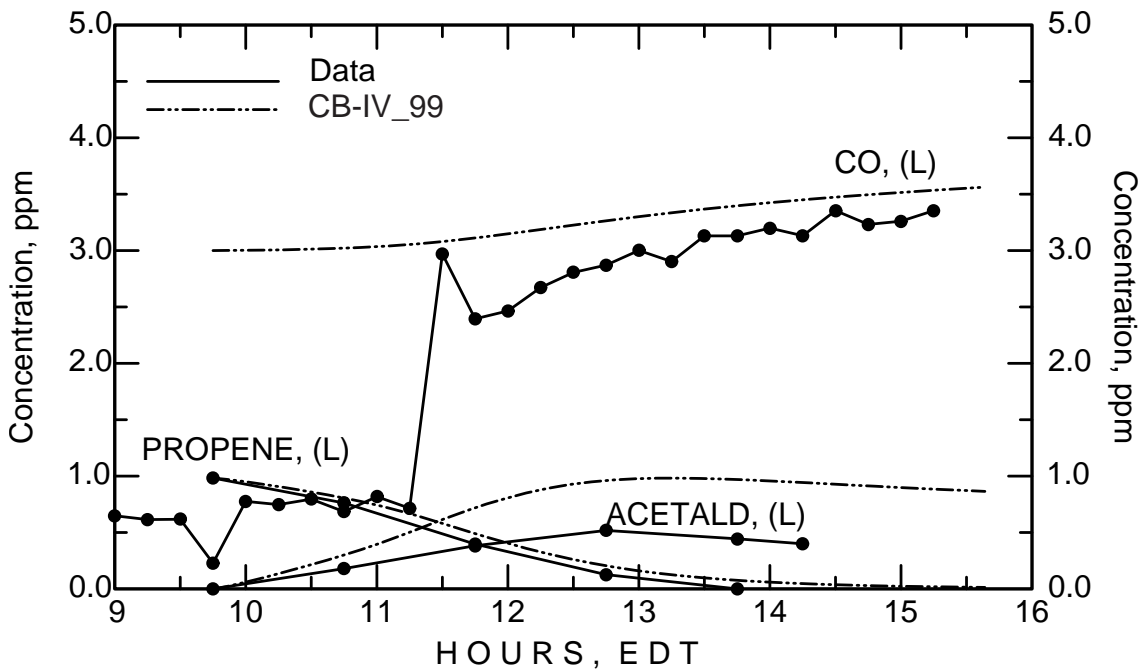
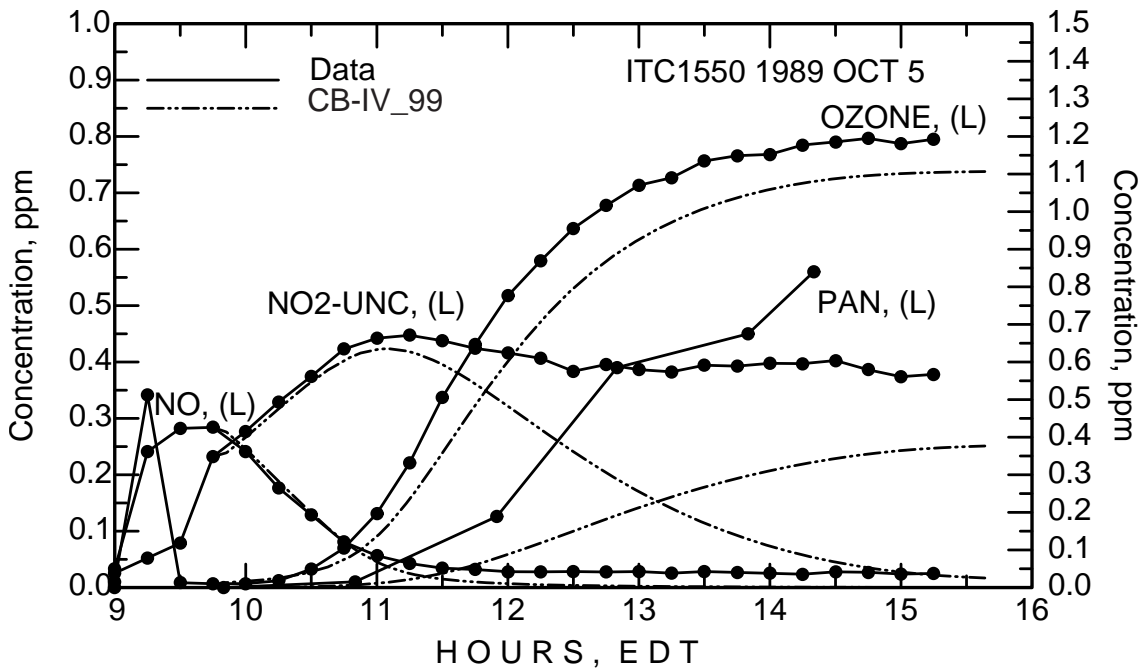


Figure C-29. Simulation results for the October 5, 1989 propene/NO_x experiment (ITC1550).

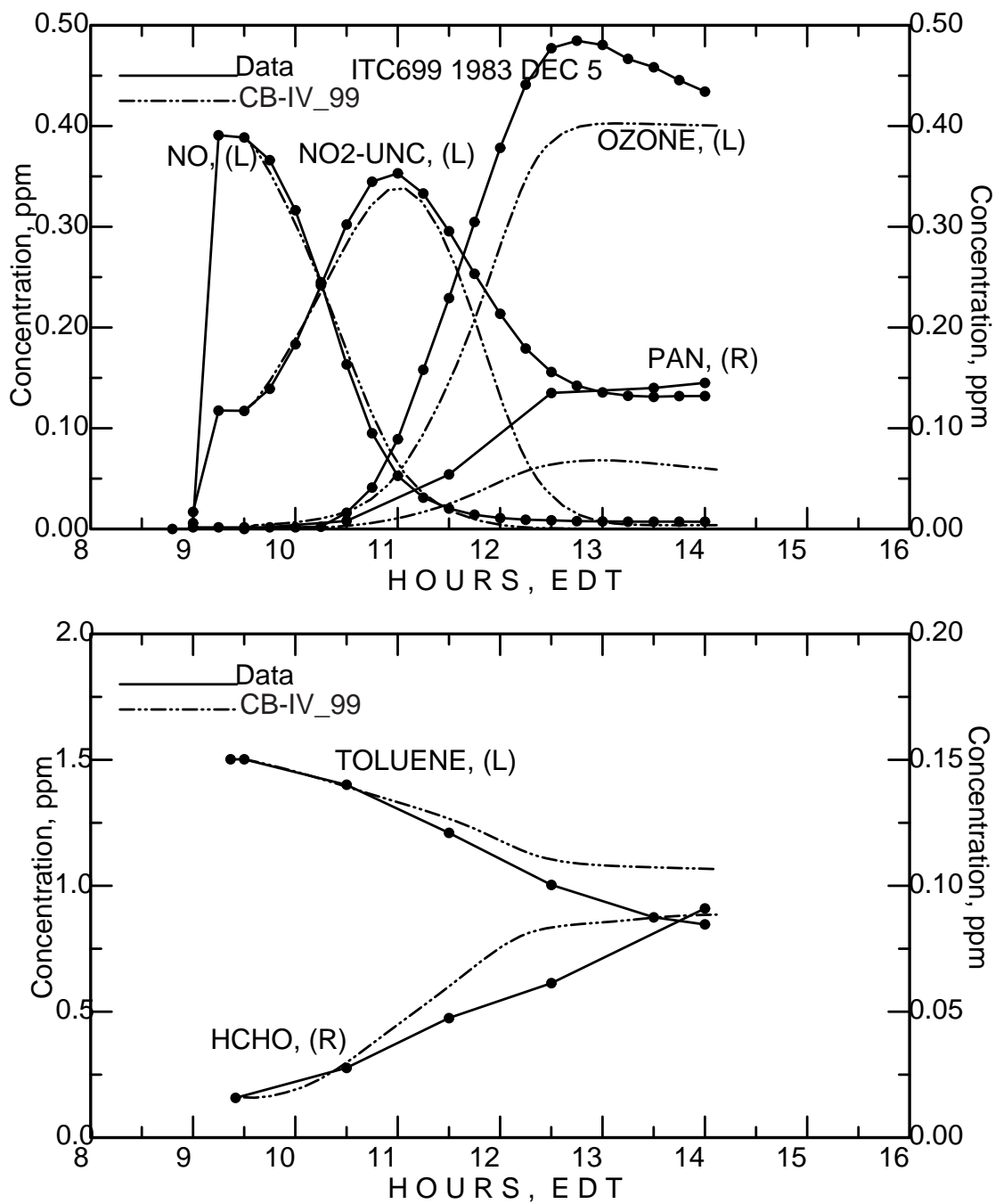


Figure C-30. Simulation results for the December 5, 1983 toluene/NO_x experiment (ITC699).

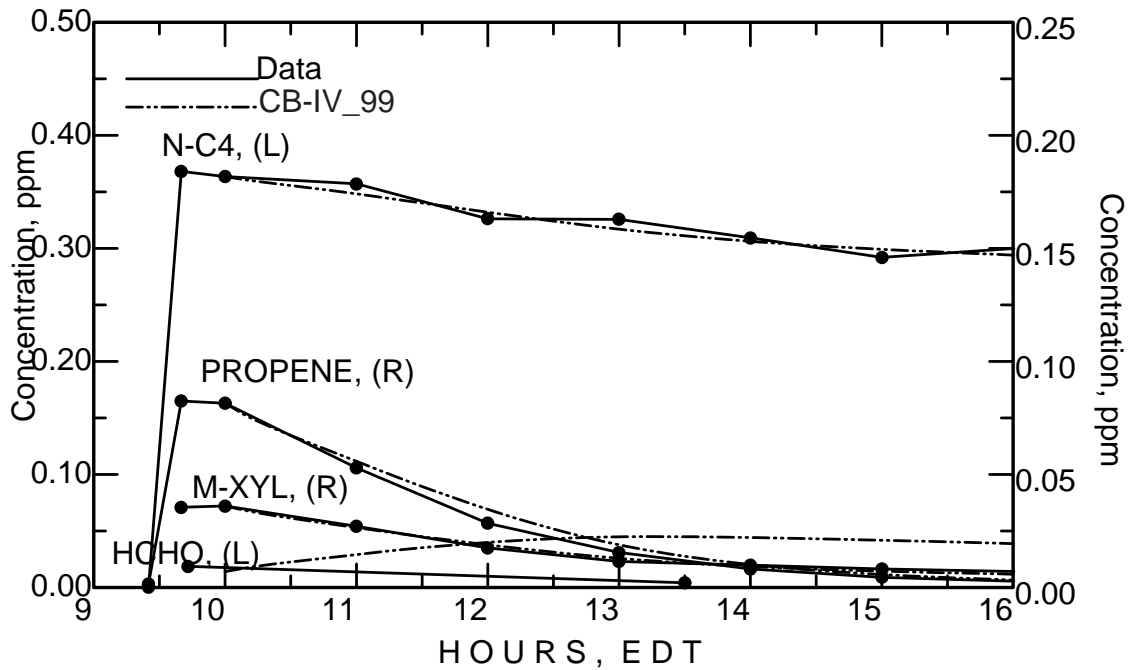
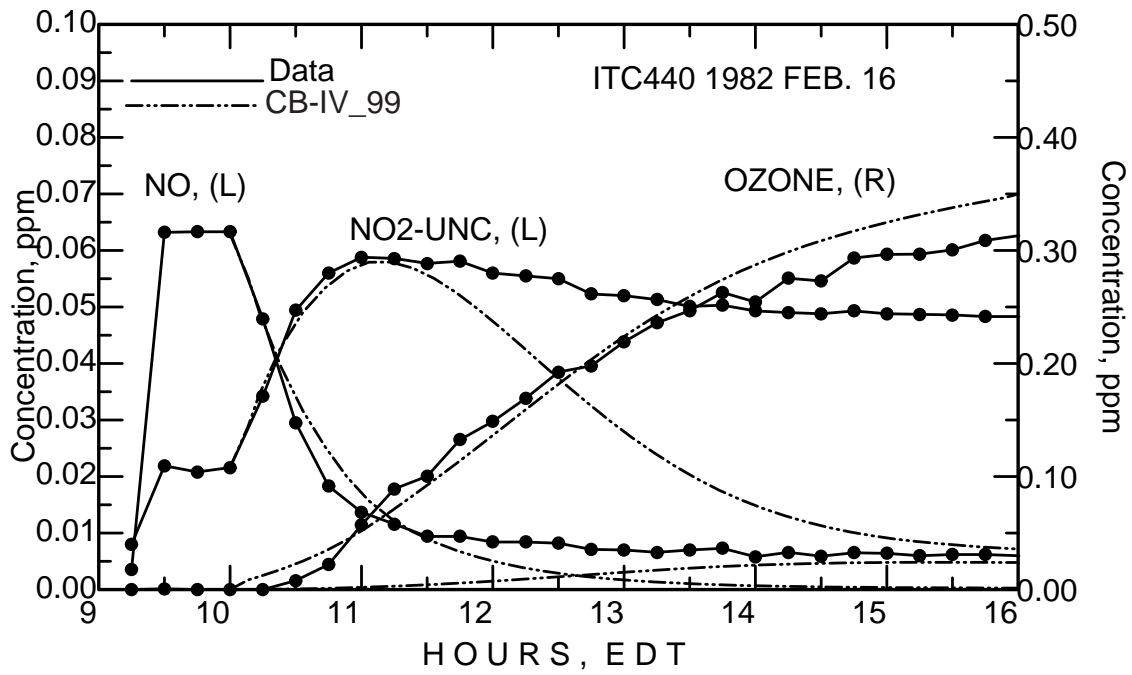


Figure C-31. Simulation results for the February 16, 1982 mini-surrogate/ NO_x experiment (ITC440).

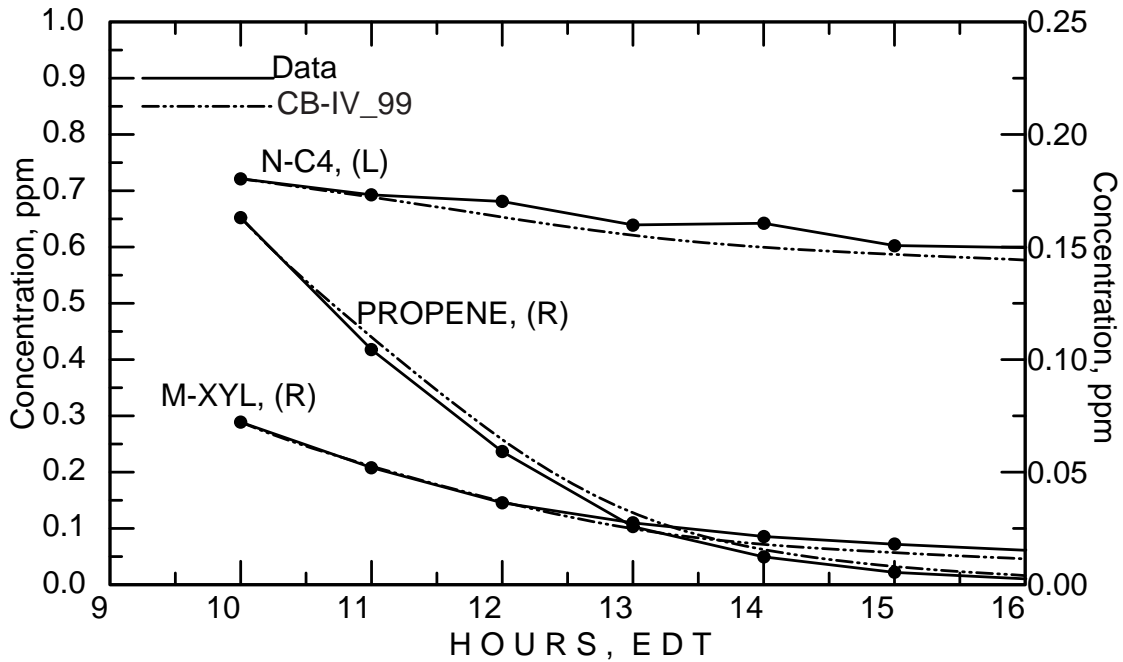
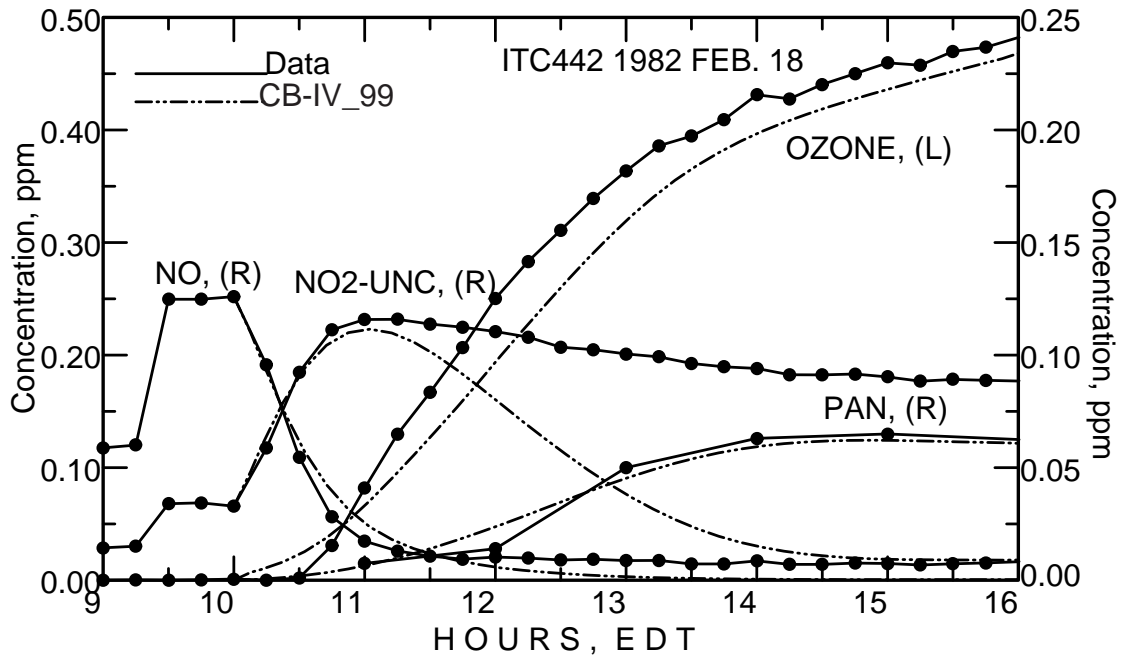


Figure C-32. Simulation results for the February 18, 1982 mini-surrogate/NO_x experiment (ITC442).

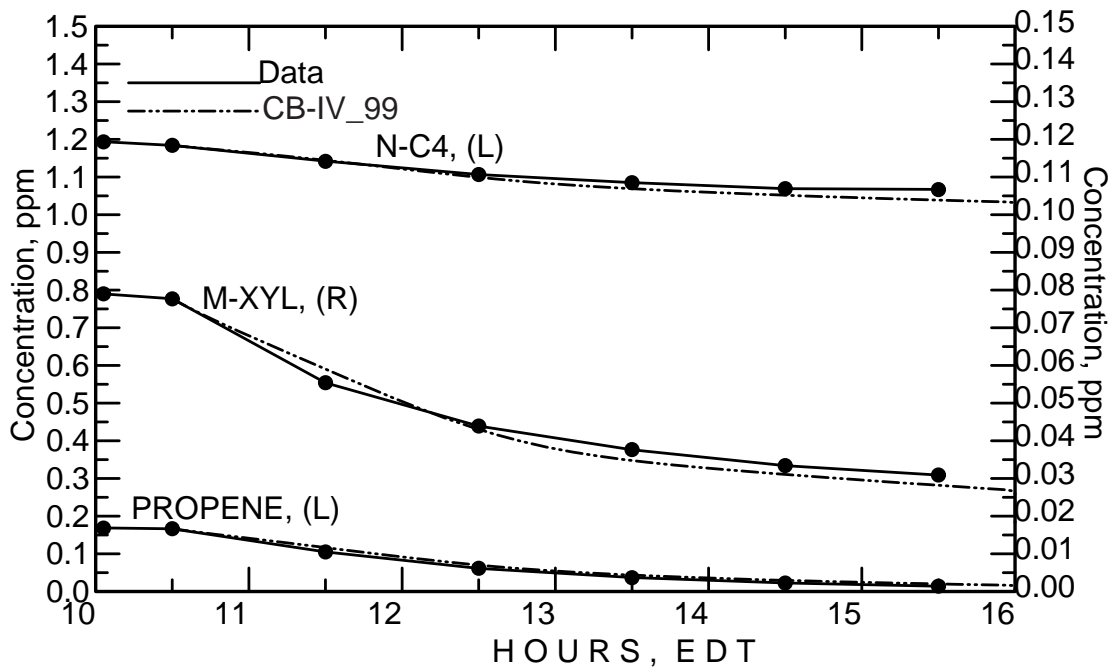
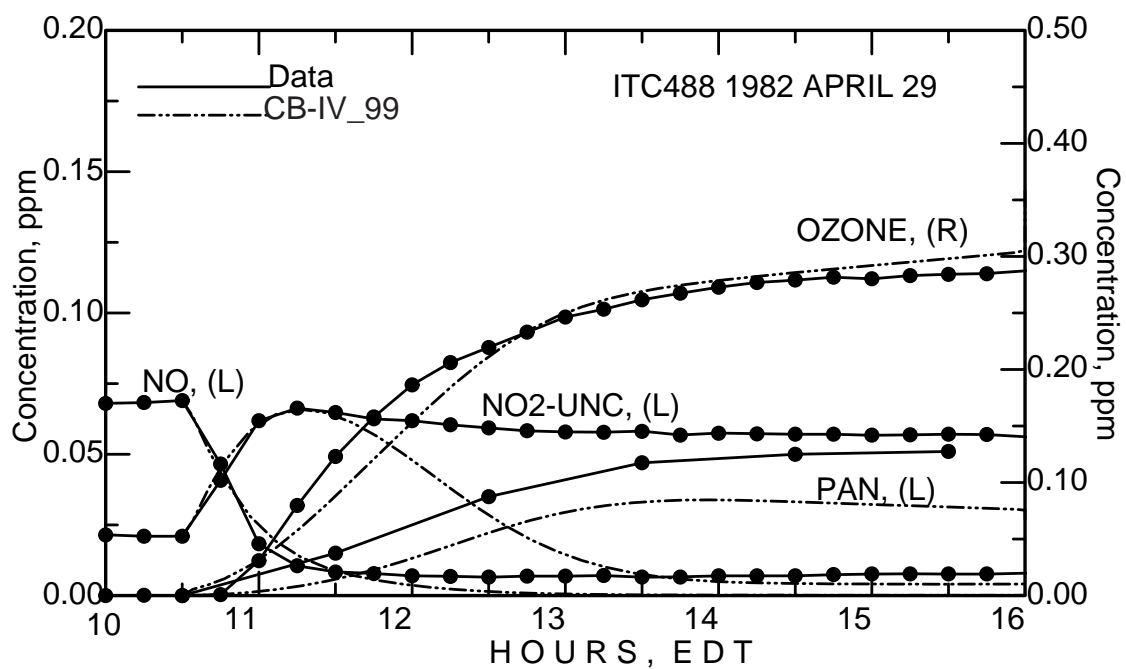


Figure C-33. Simulation results for the April 29, 1982 mini-surrogate/ NO_x experiment (ITC488).

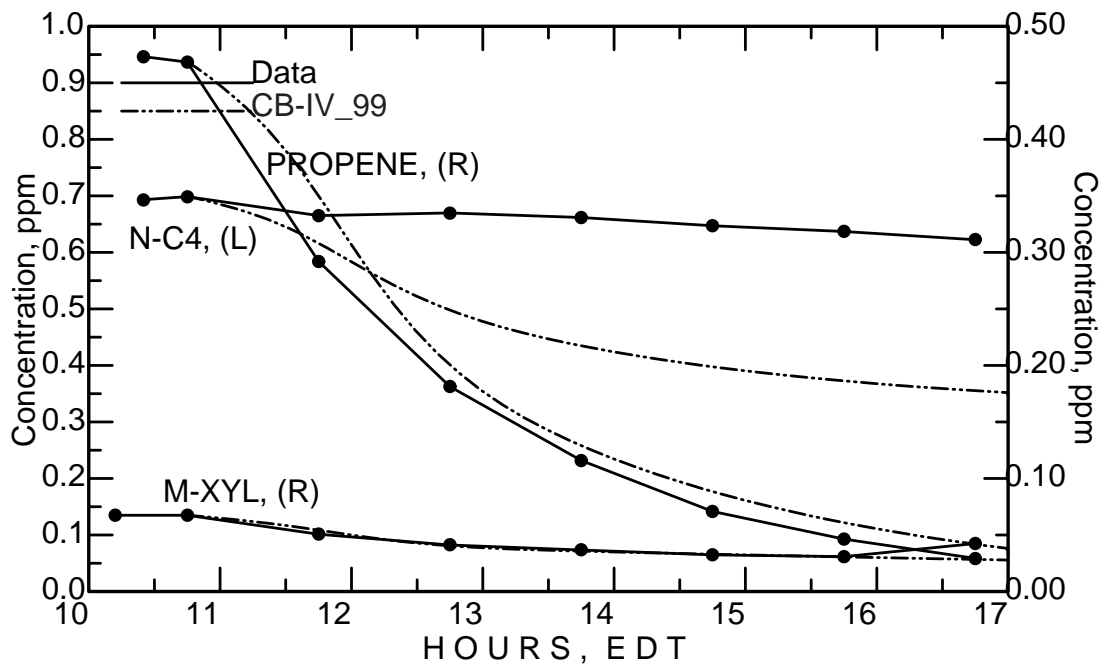
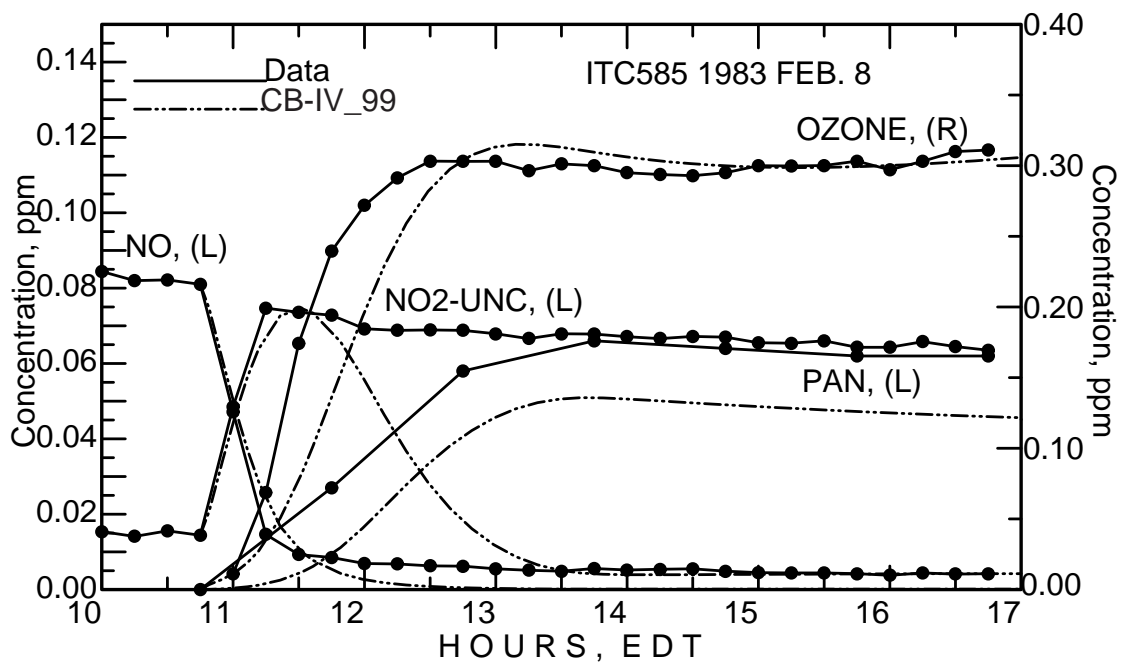


Figure C-34. Simulation results for the February 8, 1983 mini-surrogate/NO_x experiment (ITC585).