

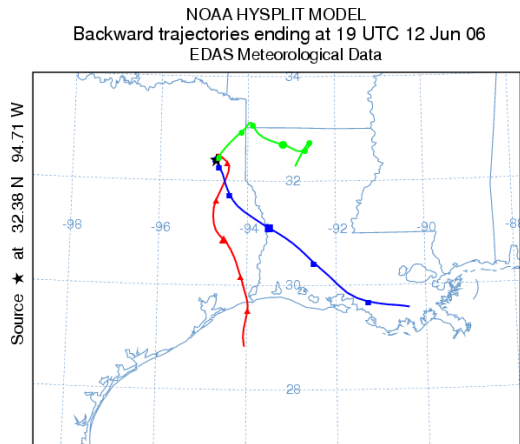
Longview Ozone on June 12, 2006

Presentation to the NETAC
Technical Committee

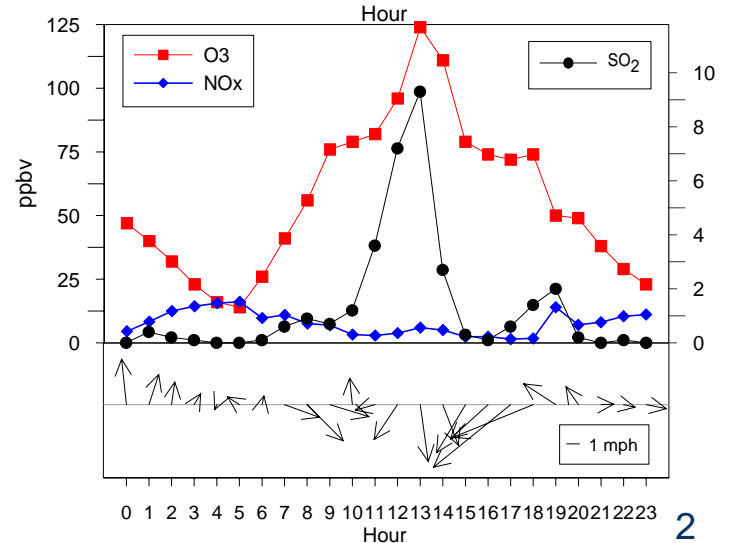
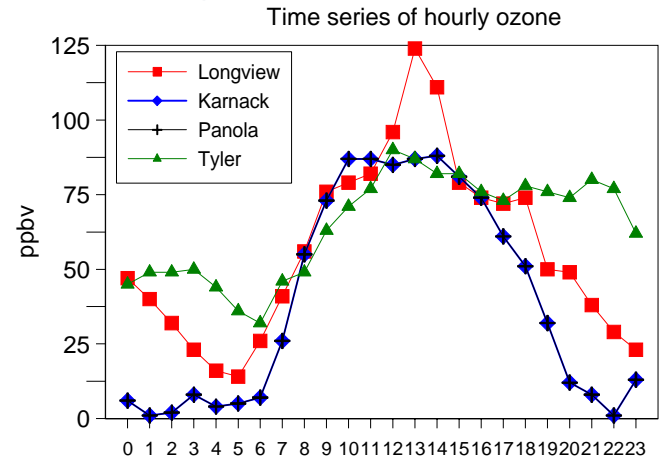
June 23, 2006

Dr. G. Yarwood and Dr. U. Nopmongcol

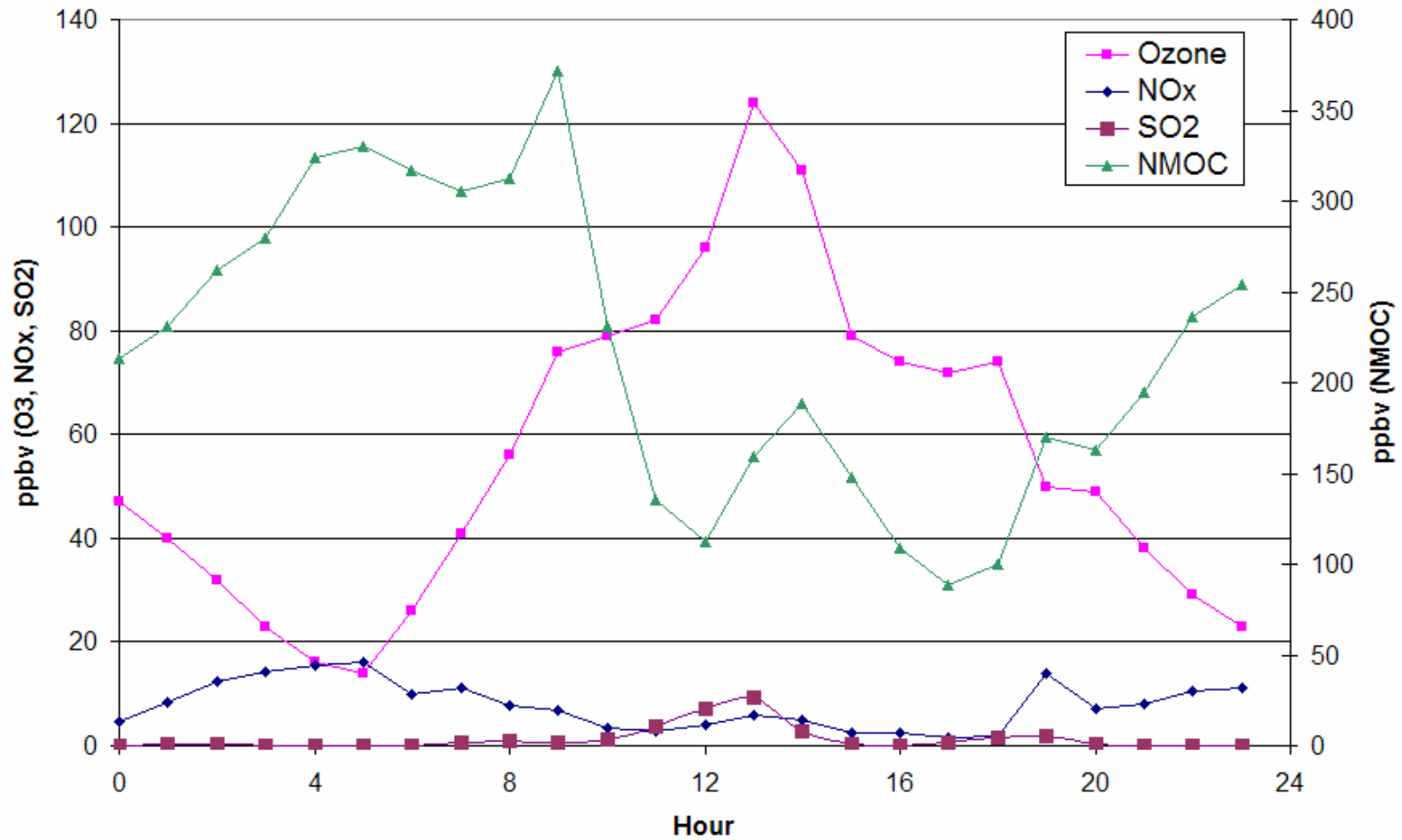
June 12: 124 ppb at Longview



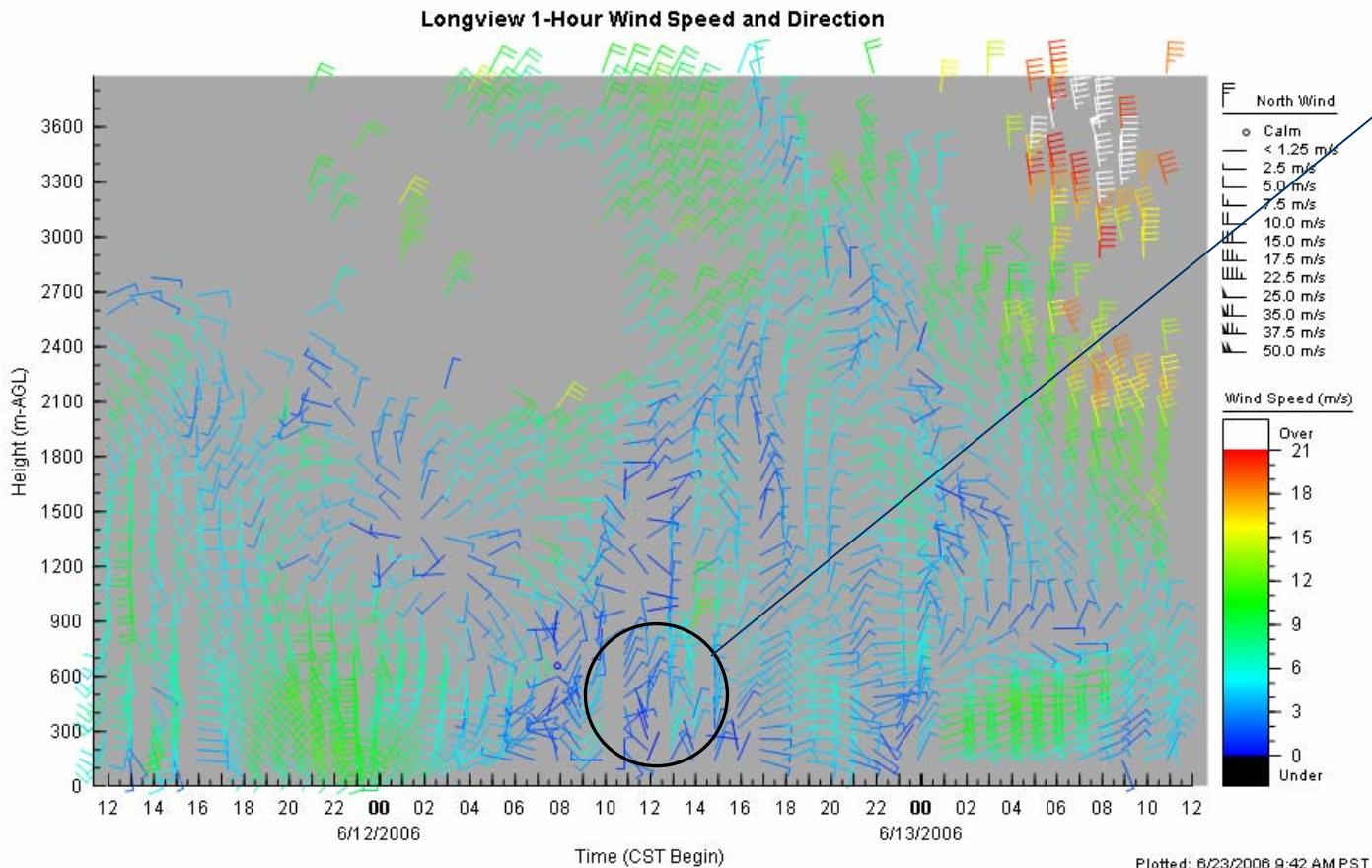
- Longview peak ~34 ppb higher than other sites
- Complex winds
- SO₂ coincident with peak ozone, but little NO_x



June 12th, 2006, Ozone and Precursors at Longview



Winds Aloft from the CAMS 19 Radar Profiler



Northerly winds aloft during plume impact

Potential Explanation

- On June 12, the Longview monitor was impacted by a plume from one (or more) coal-fired power plant(s) located north of Longview, possibly in Titus County
- Consistent with:
 - Wind direction
 - Somewhat elevated SO₂
 - Low NO_x (aged plume)