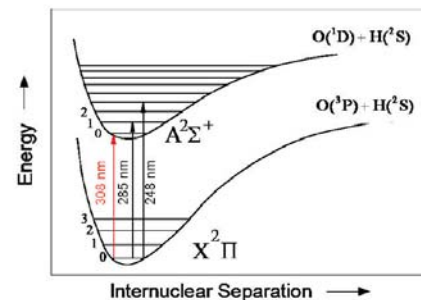


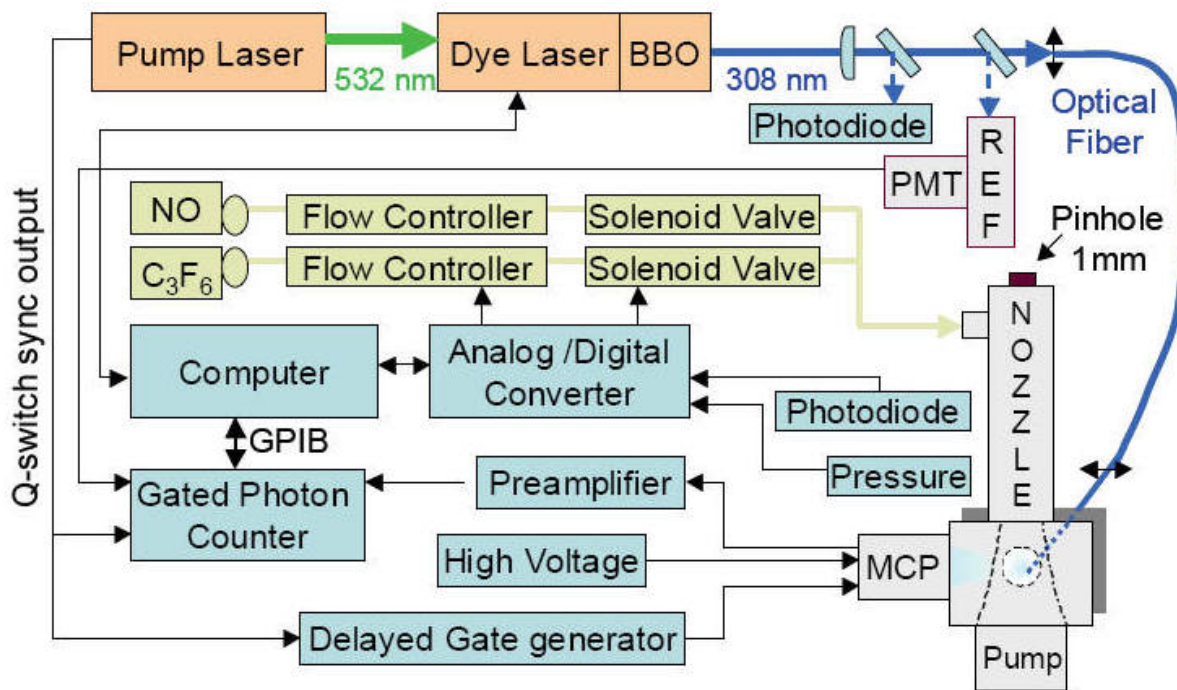
Measurements of OH and HO₂ by LIF

S. Dusanter, D. Vimal, P.S. Stevens
SPEA, Indiana University

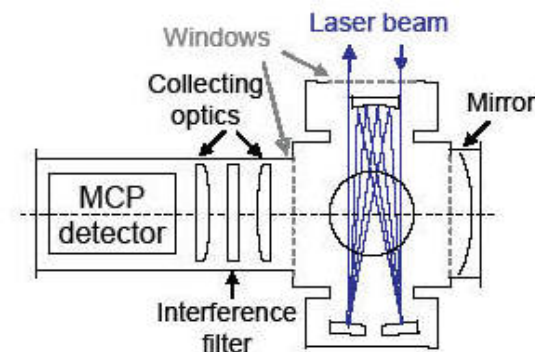
Overview of our instrument



Potential curves of the electronic states of OH



Schematic diagram of apparatus



Schematic of the optical layout

Sampling Cell



Happy and smiling at 85°F

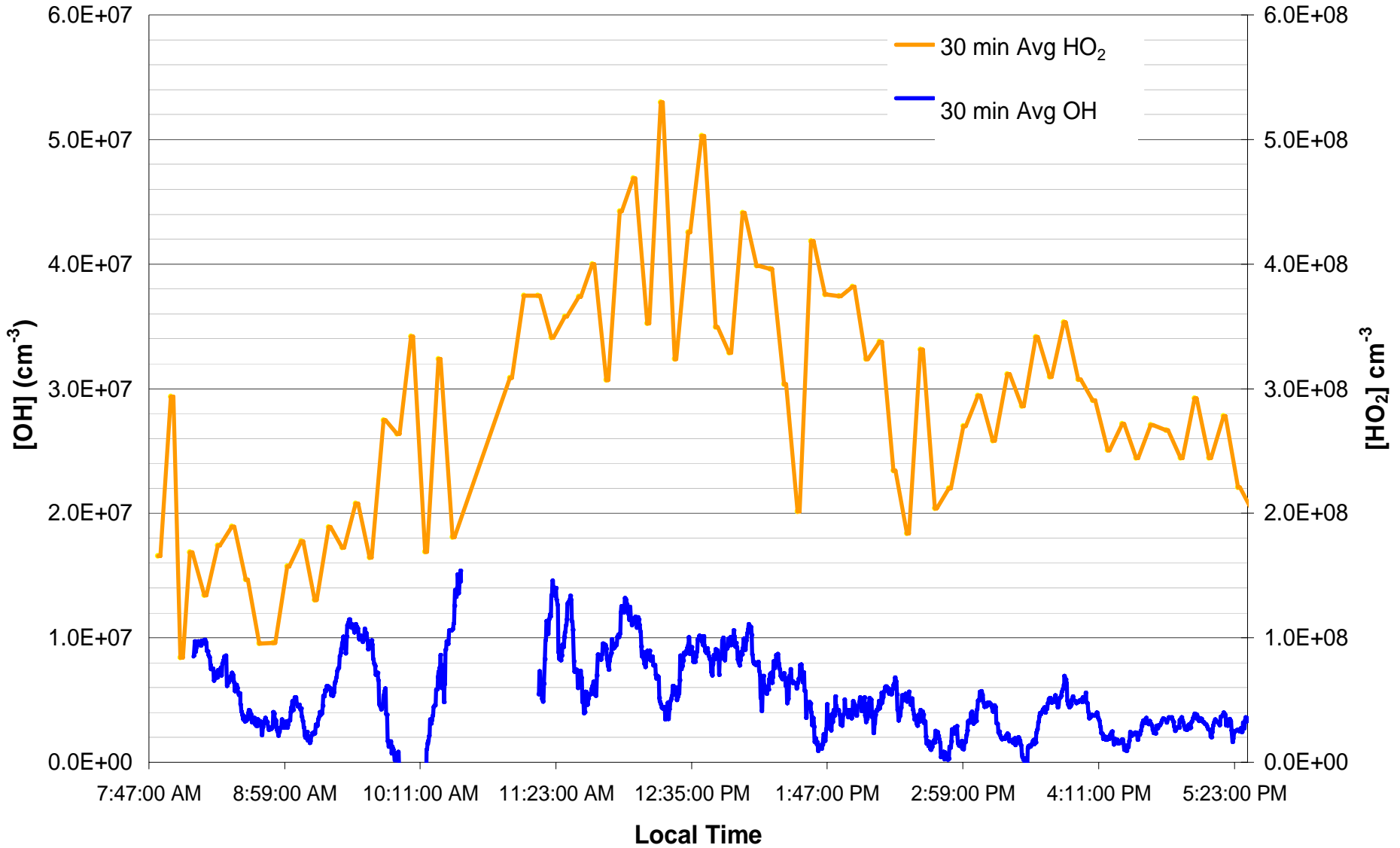


Fighting the noise

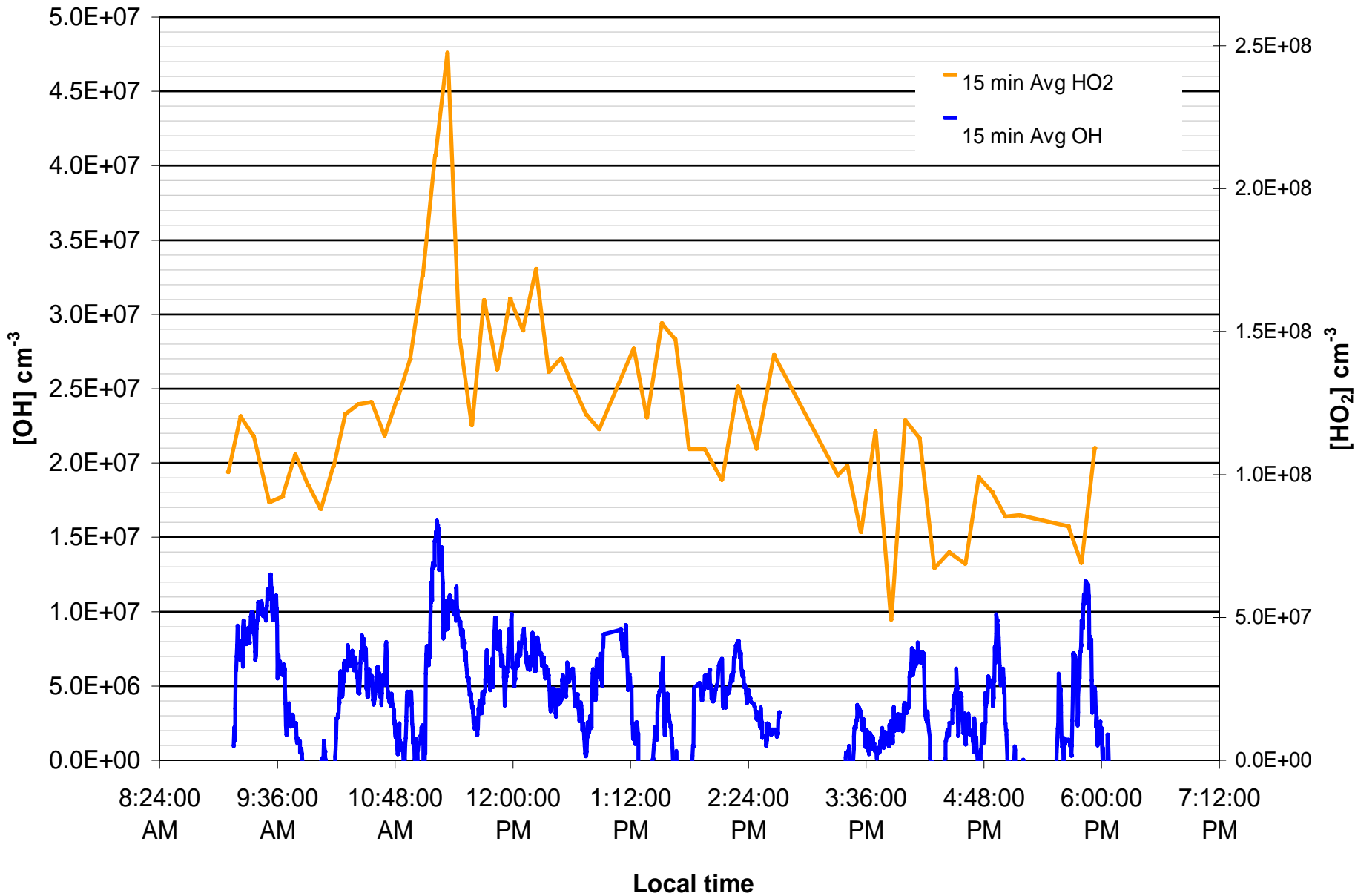


- The morning fun game
- Electromagnetic noise @ 40 MHz
- Ground Line

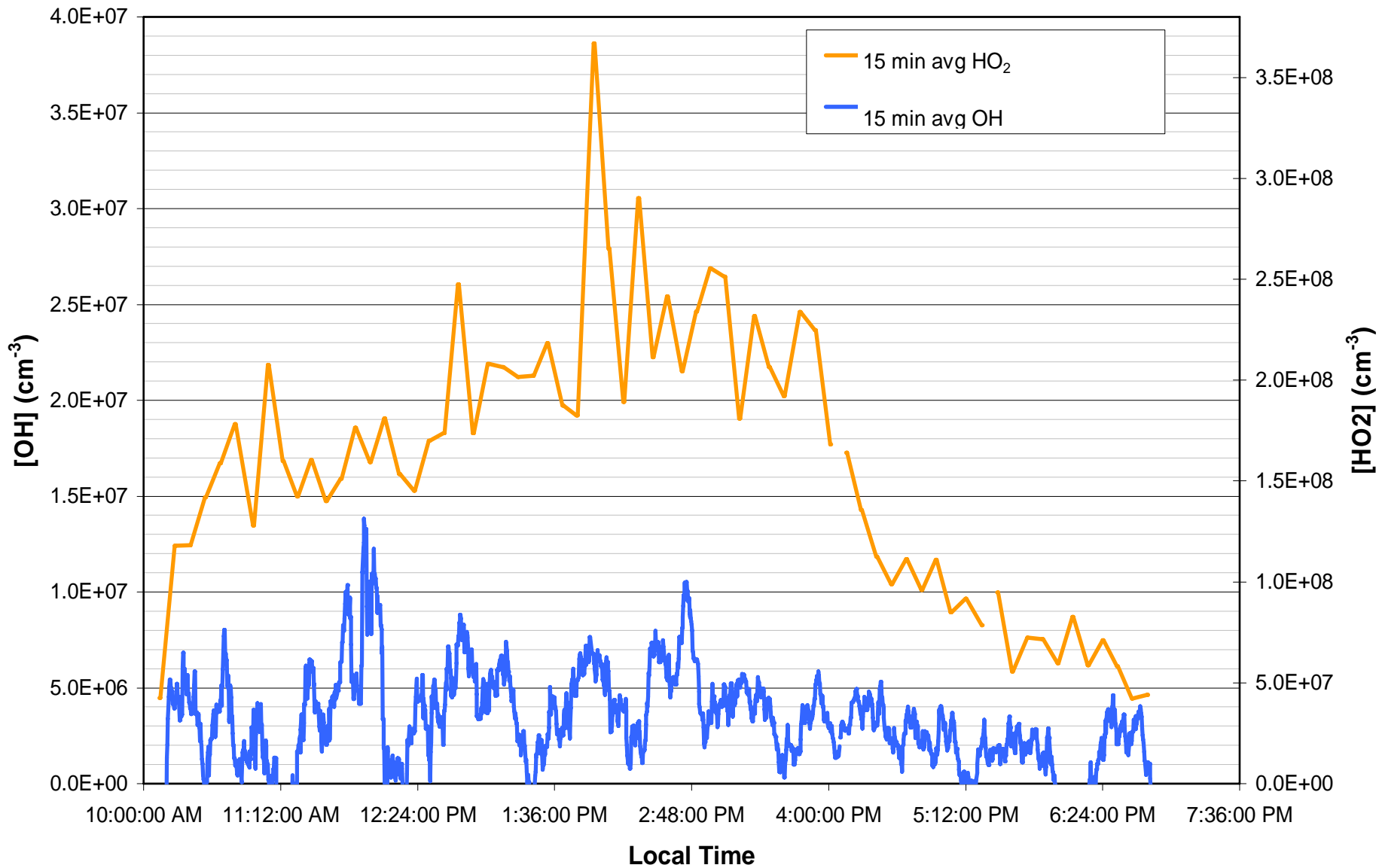
20060318 Diurnal HOx Trend



20060319 HOx diurnal trend



20060320 Diurnal Hox Trend



Instrument status

- Measurements from 03/06 to 03/22
 - Updated as a daily basis
- Calibration by trans-2-butene ozonolysis