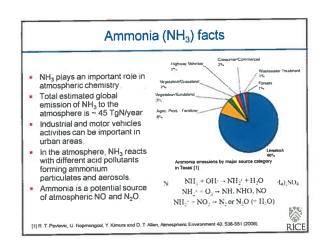


- NH₃ absorption line selection
- Detection results and long term measurements of NH3
- Summary

Special acknowledgement to Prof. Barry Lefer (University of Houston) for his hospitality



Estimated ammonia levels for Houston area Atmospheric NH₃ concentrations for urban and industrial areas vary between 0.1 and 10 ppbv [1]. Modeled ammonia concentration for August Da. 2740 (125-01) (127) 6' (1 1) Mari- 0.000 40 (10) Houston was estimated to range between 1 and 15 ppb [2]. Typical NH₃ mixing ratios from area sources range from 0.2 to 3 ppbv, but for unexpected industrial accidents or events can increase to 80 ppbv [3].

