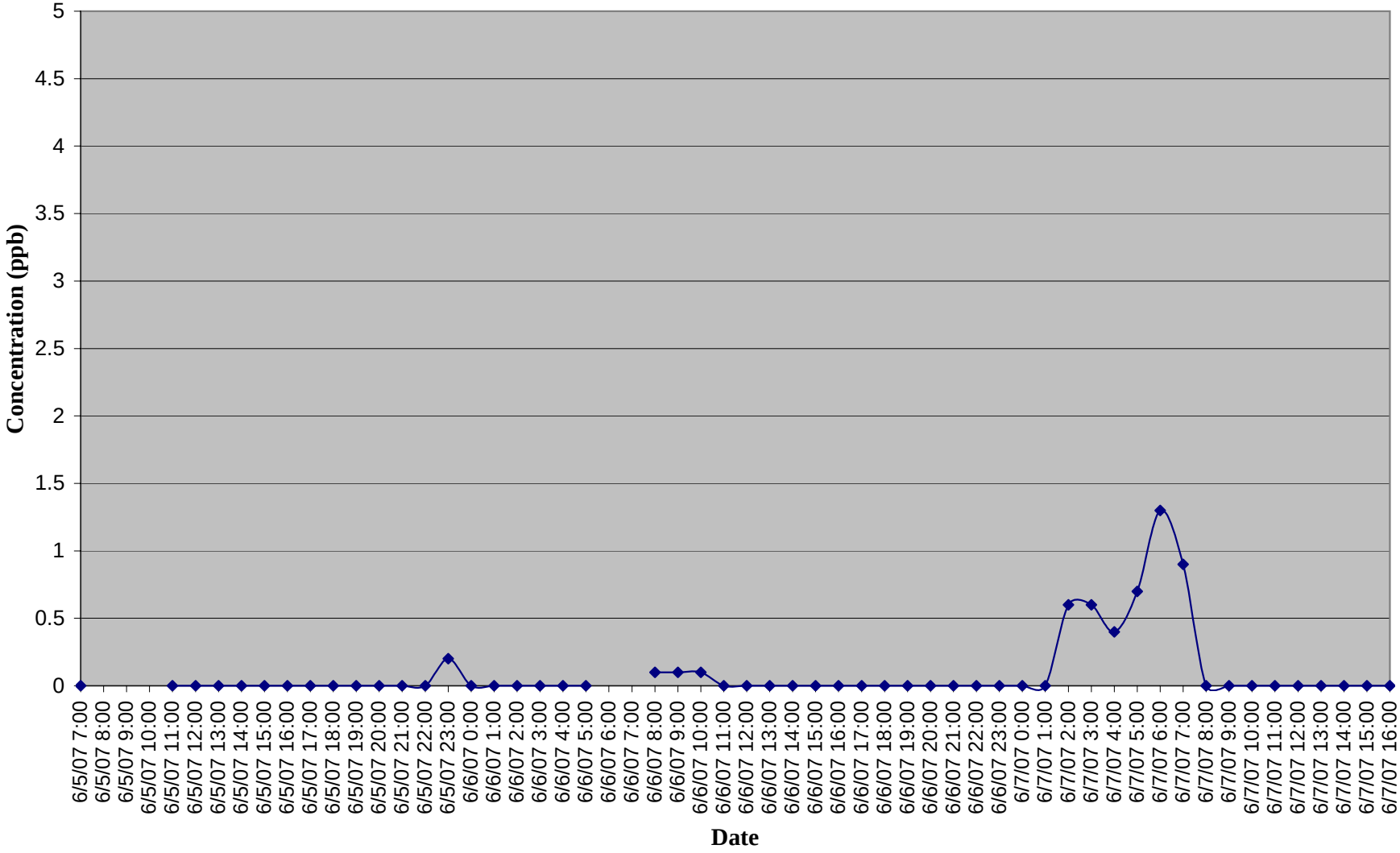
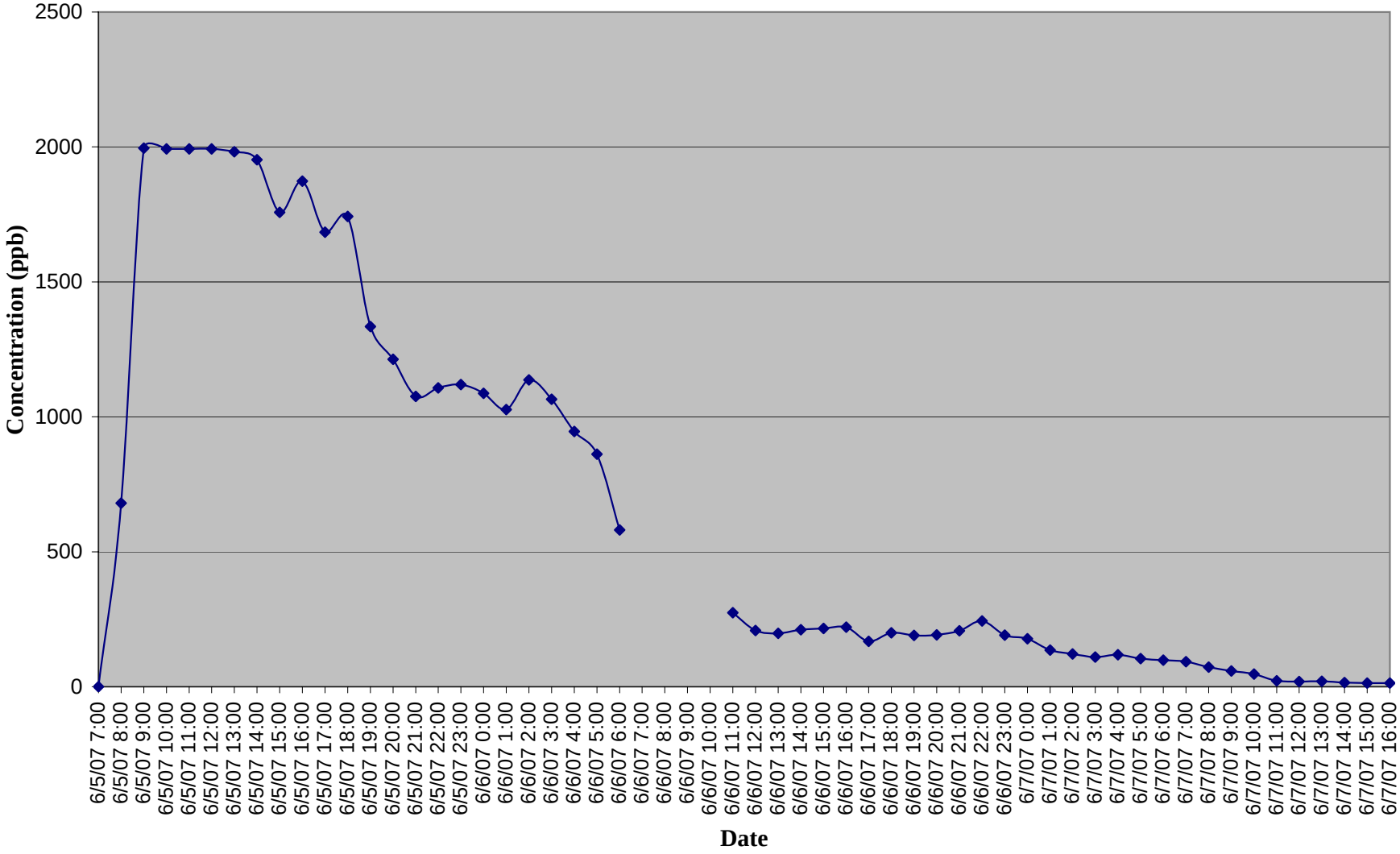
Appendix F: Data from Anhydrous Ammonia Application Event at Goldfield

This appendix contains data for the Goldfield monitoring site from 6/5/2007 at 7:00 AM, to 6/7/2007 at 4:00 PM. The site operator's notes indicated that anhydrous ammonia was applied on June 5. This resulted in levels of ammonia that were so high the 2,000 ppb range of the monitor was exceeded for several hours. Although the hydrogen sulfide and ammonia values for this time frame are already included in the summary statistics and plots shown earlier in this report, the following plots isolate the incident. Restricting the scope of the plots in this appendix to the June 5-7 time frame cited above, provides a clearer and more detailed picture of the how the ammonia concentrations changed with time, and their relationship to hydrogen sulfide levels, wind speed, and wind direction during this event.

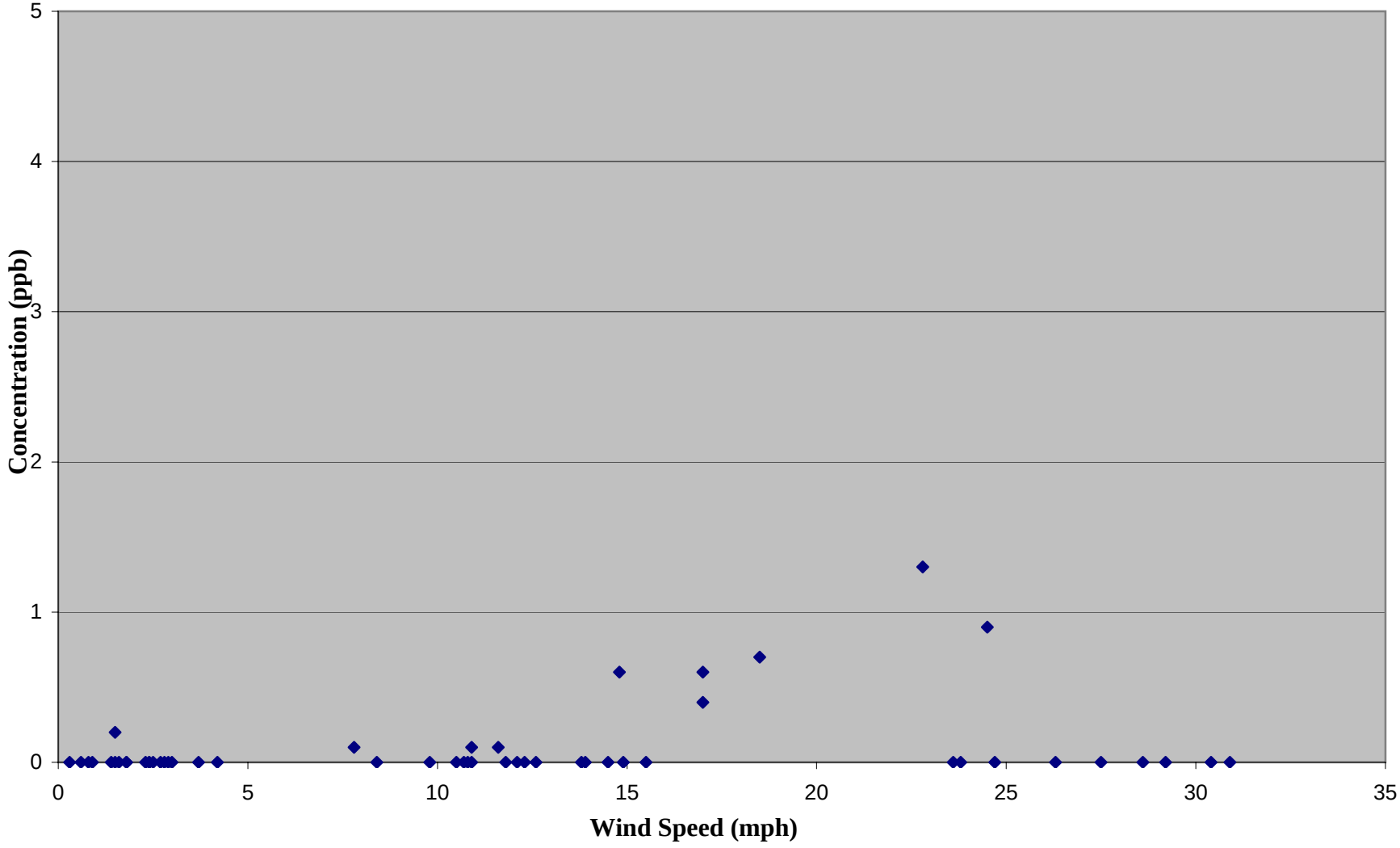
Goldfield Anhydrous Application: Hydrogen Sulfide vs Time



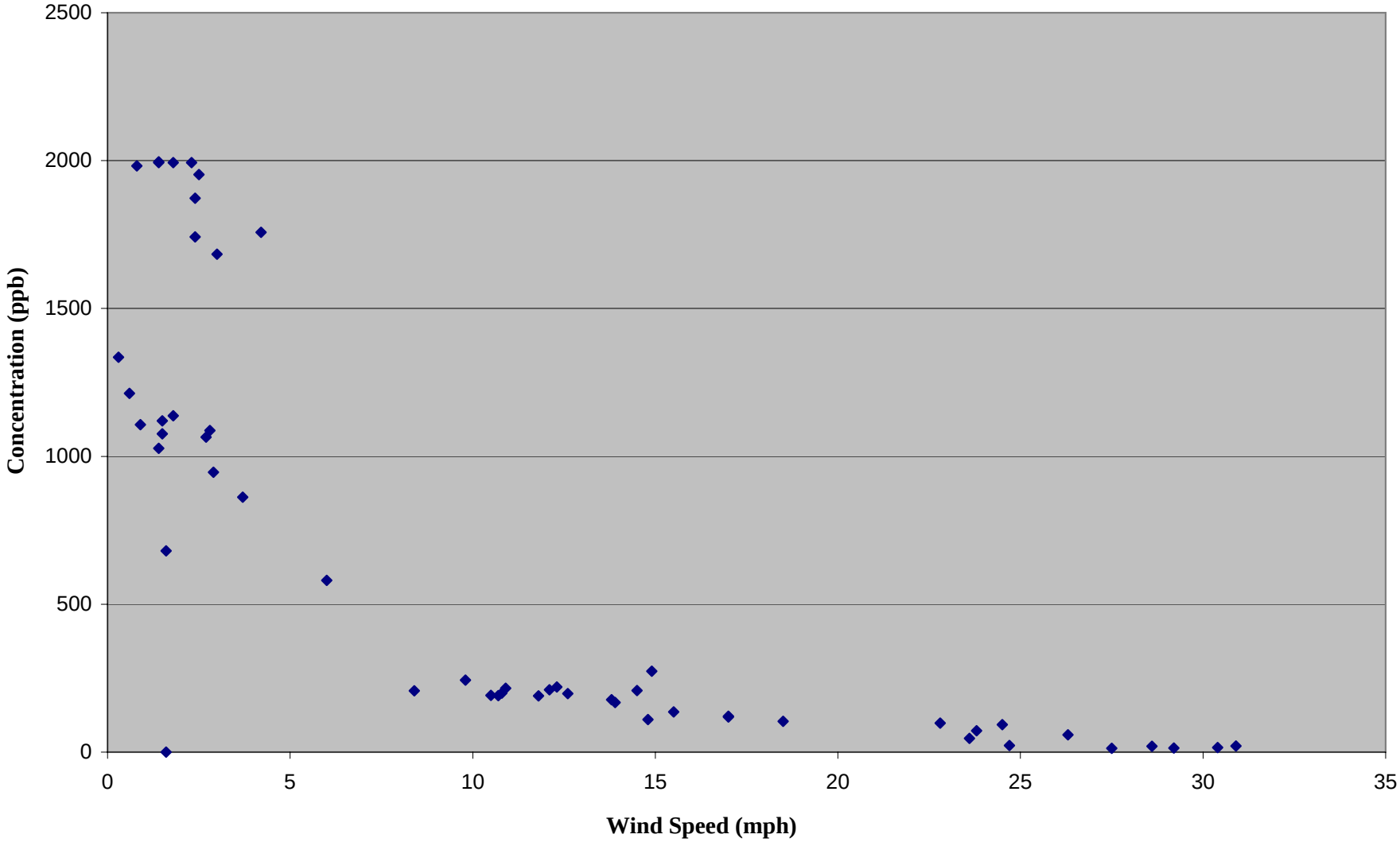
Goldfield Anhydrous Application: Ammonia vs Time



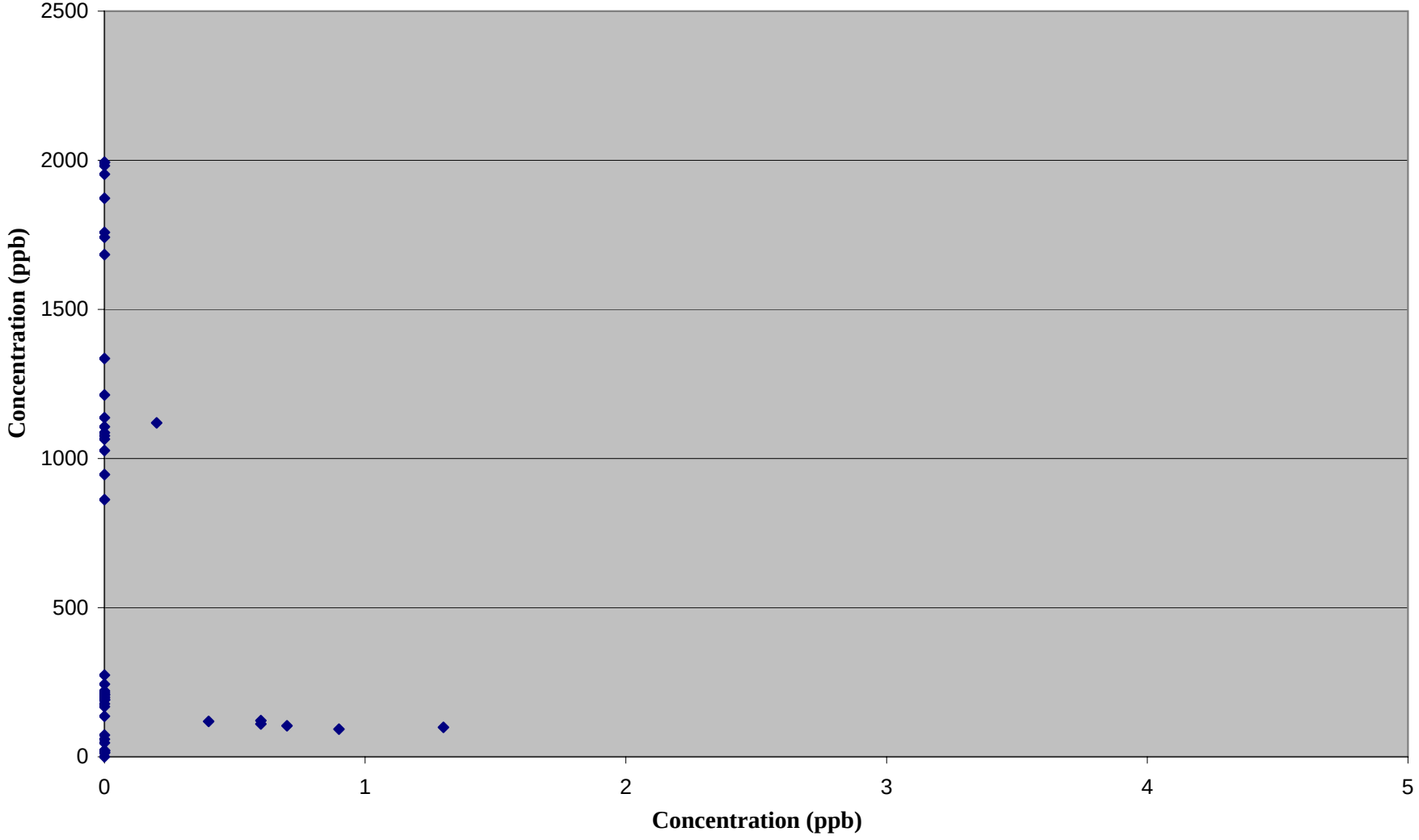
Goldfield Anhydrous Application: Hydrogen Sulfide vs Wind Speed



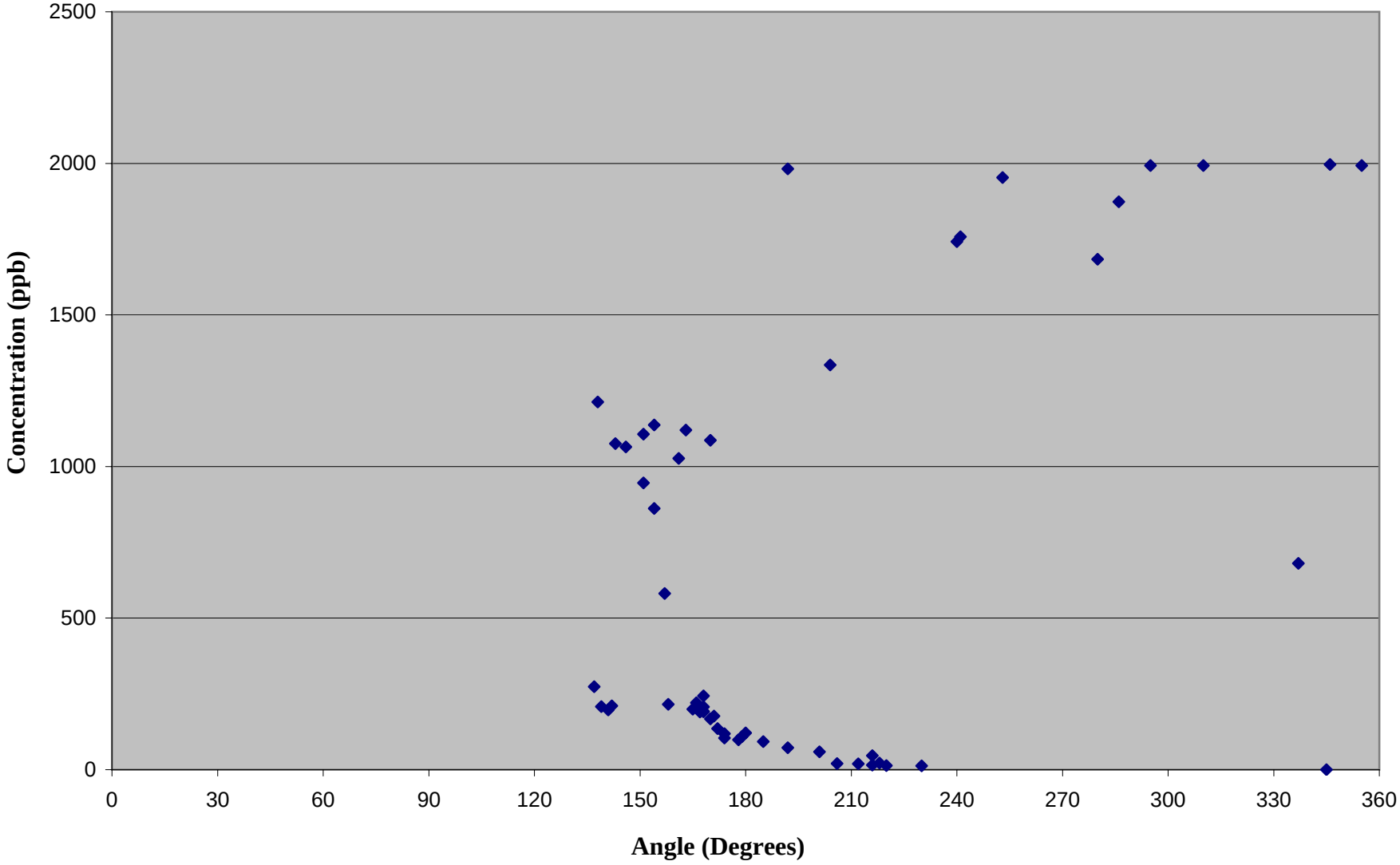
Goldfield Anhydrous Application: Ammonia vs Wind Speed



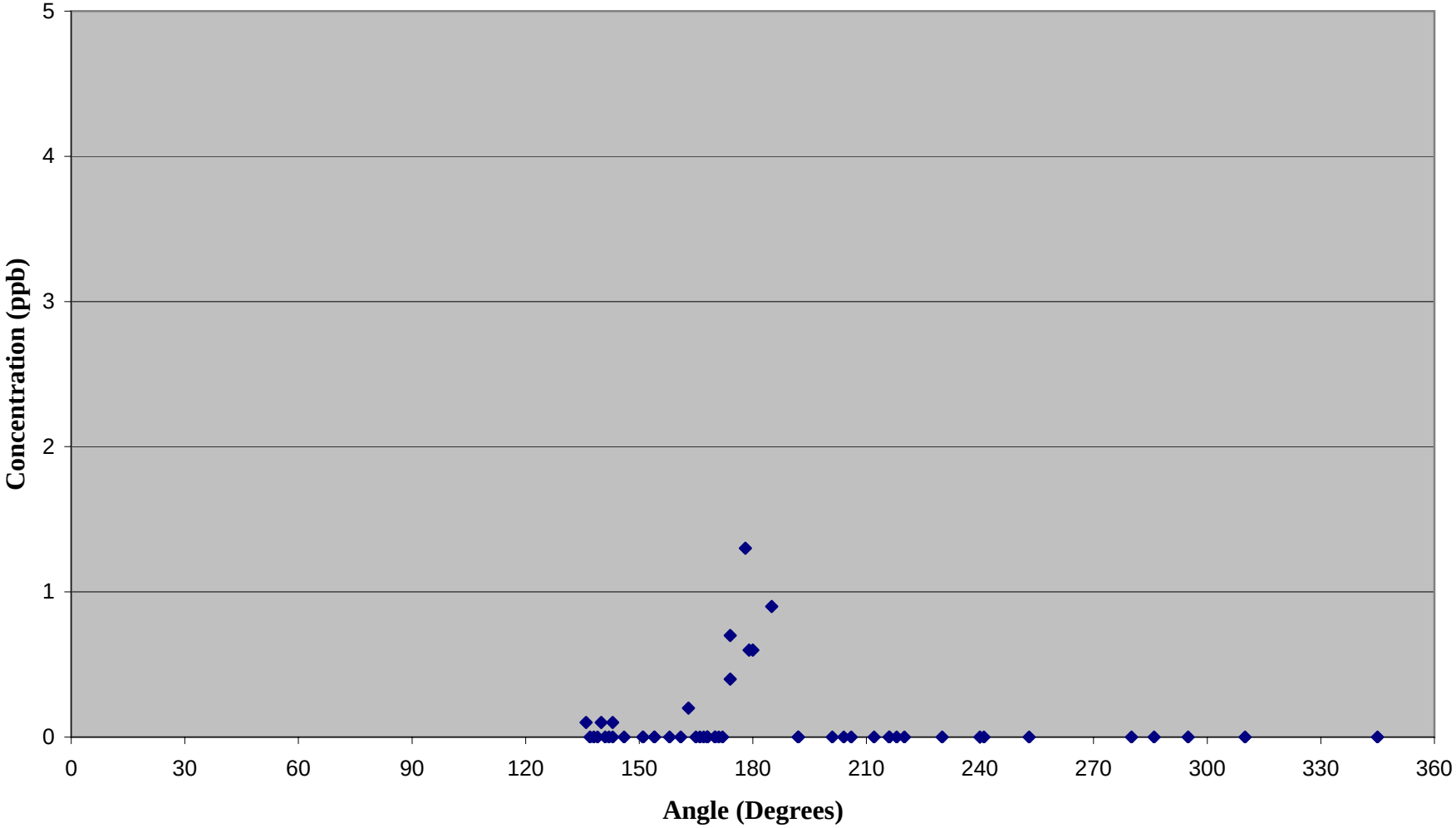
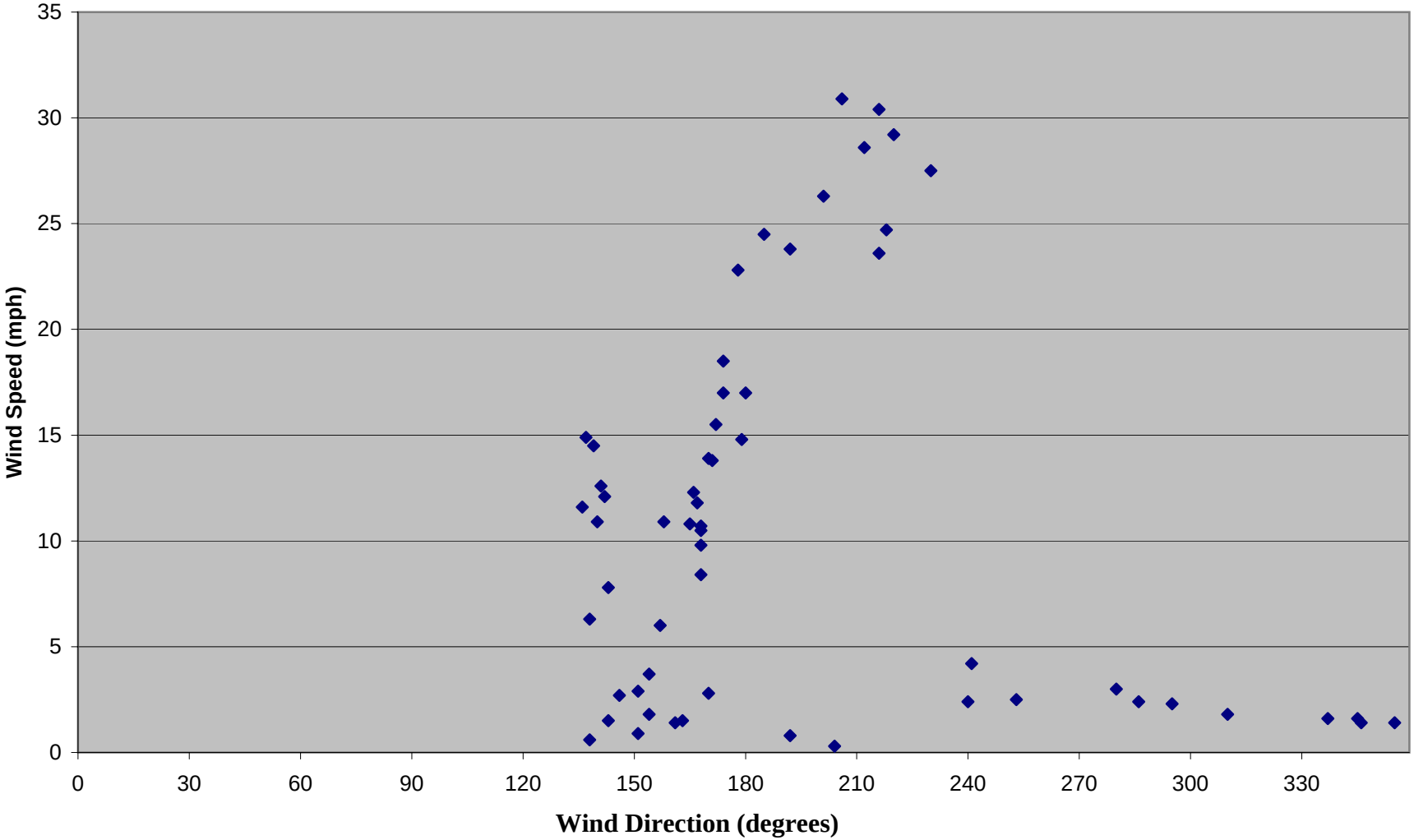
Goldfield Anhydrous Application: Ammonia vs Hydrogen Sulfide



Goldfield Anhydrous Application: Ammonia vs Wind Direction



Goldfield Anhydrous Application: Hydrogen Sulfide vs Wind Direction



Goldfield Anhydrous Application: Wind Speed vs Wind Direction