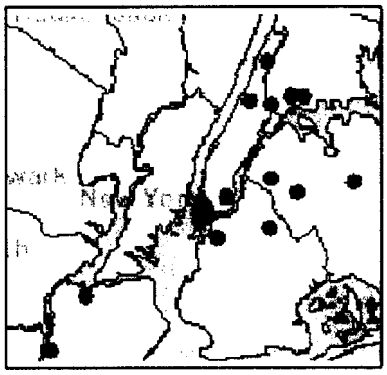
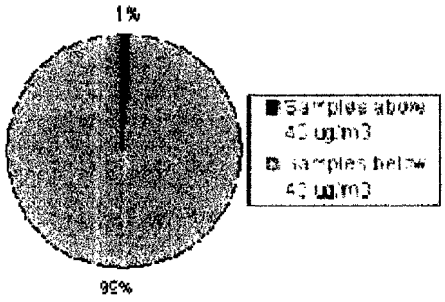
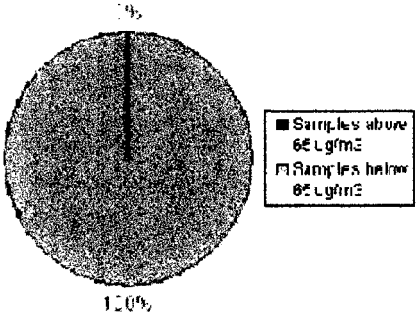
PM 2.5 Air Monitoring Data Summary for NYC WTC Sampling

Totals (for sampling through 02/05/02, in ug/m3)	
Total Samples	53754
Samples above 40 ug/m3	673
Samples below 40 ug/m3	54399
Samples above 65 ug/m3	28
Samples below 65 ug/m3	54427
Percent Above 40 ug/m3	1.24
% Above 65 ug/m3	0.05
Maximum Value (09/13/01 at PS64)	165.63
Minimum Value	-50.04*
Levels of Concern*	40, 65
Average All	13.82







Airborne particles like smoke and dust are solids and liquid droplets of different sizes suspended in the air. EPA sets the level of concern to caution sensitive groups, including children, the elderly, and people with heart or lung disease. For fine particles, that level is 40 ug/m3 for 24-hour average exposure. This level is based on EPA's Air Quality Index . Above this level, we recommend that sensitive groups reduce their exposure. Shorter term peaks are also of potential concern for sensitive groups. The level of concern for the general population is 65 ug/m3 over a 24 hour period. Most healthy adults and children are expected to recover quickly from any symptoms of short-term exposure like coughing, wheezing, or eye and throat irritation. EPA expects the long-term risk from these short-term exposures to be low.

*The information contained in this database should be considered provisional and may be subject to adjustment upon final analysis. Viewers of this data are advised that changes in atmospheric conditions, particularly humidity, can affect reported hourly particulate concentrations. Changes in humidity can increase or decrease reported concentrations and in the extreme, result in negative reported values. While these effects do not invalidate daily average concentrations, viewers are cautioned that hour to hour comparisons may not always be appropriate.