PAC1 **Pacheco Pass**

CAUTION: PRELIMINARY DATA

Time Period: December 2, 1999 to January 31, 2001

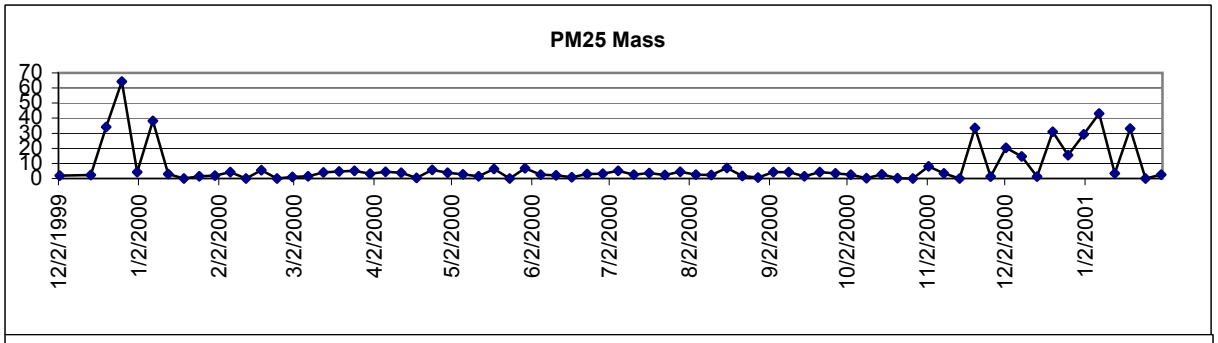
Concentrations of chemical components were estimated by multiplying the measured concentration of a species by a factor representing an estimate of the unmeasured oxygen and hydrogen. For the purpose of this summary the following multipliers were used:

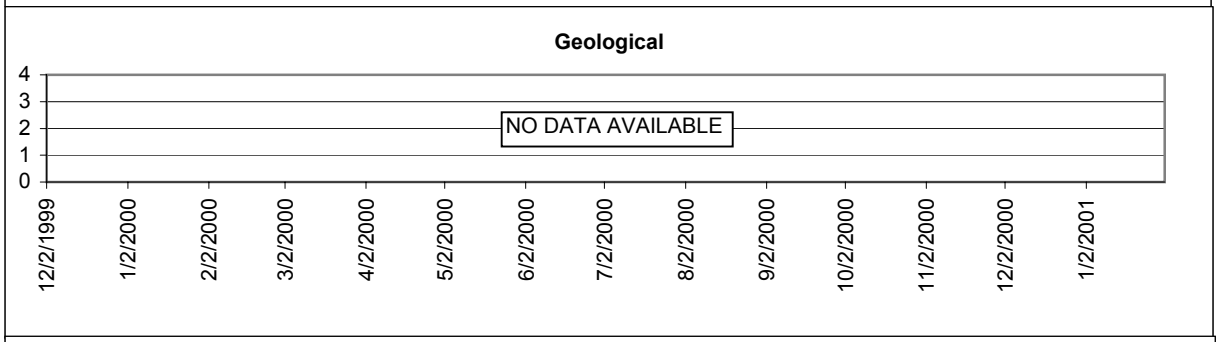
Species	Multiplier
Non-volatilized nitrate	1.29
Sulfate	1.38
Organic carbon	1.4
Aluminum	1.89
Silicon	2.14
Calcium	1.4
Iron	1.43

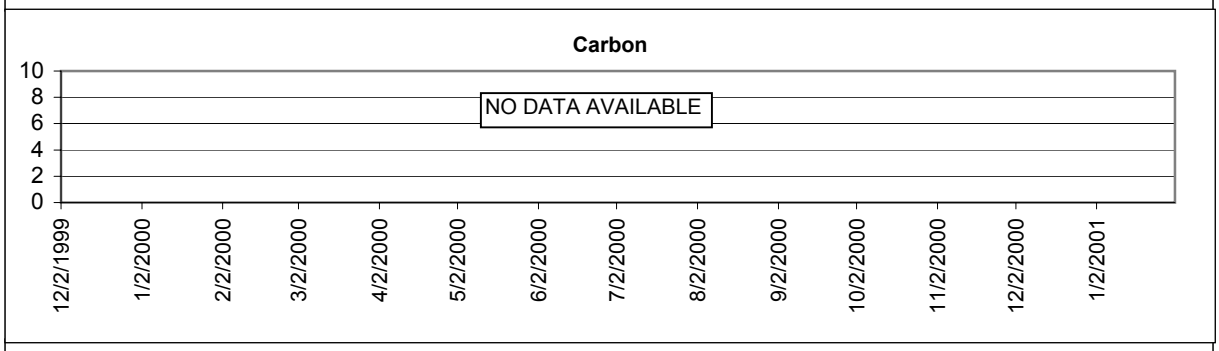
For each chemical composition sample, chemical components were calculated as follows:

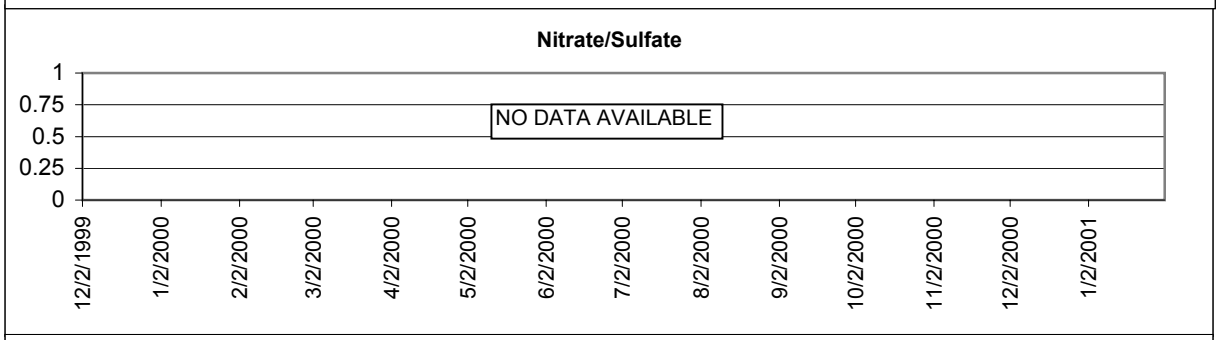
- Nitrate/Sulfate = 1.29[NO3¯] + 1.38[SO42-]
- Total Carbon = 1.4[OC] + [EC]
- Geological species = 1.89[Al] + 2.14[Si] + 1.4[CA] + 1.43[Fe]

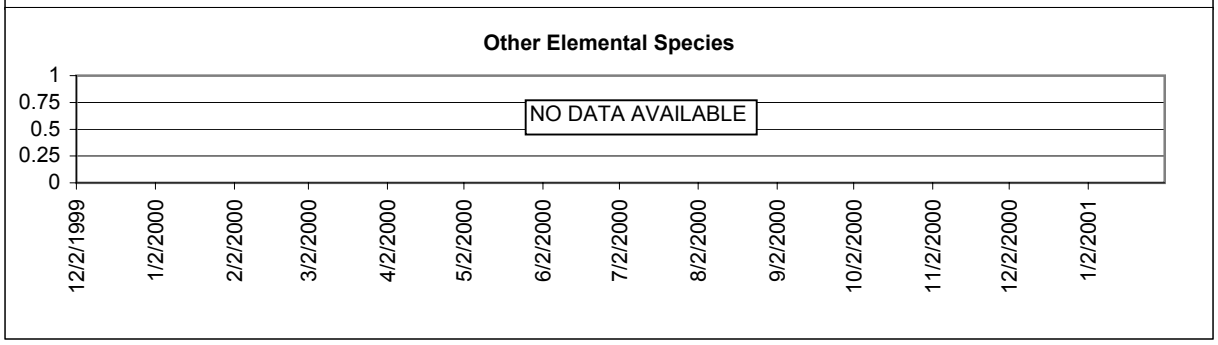
Pachecho Pass
(units - $\mu g/m^3$)

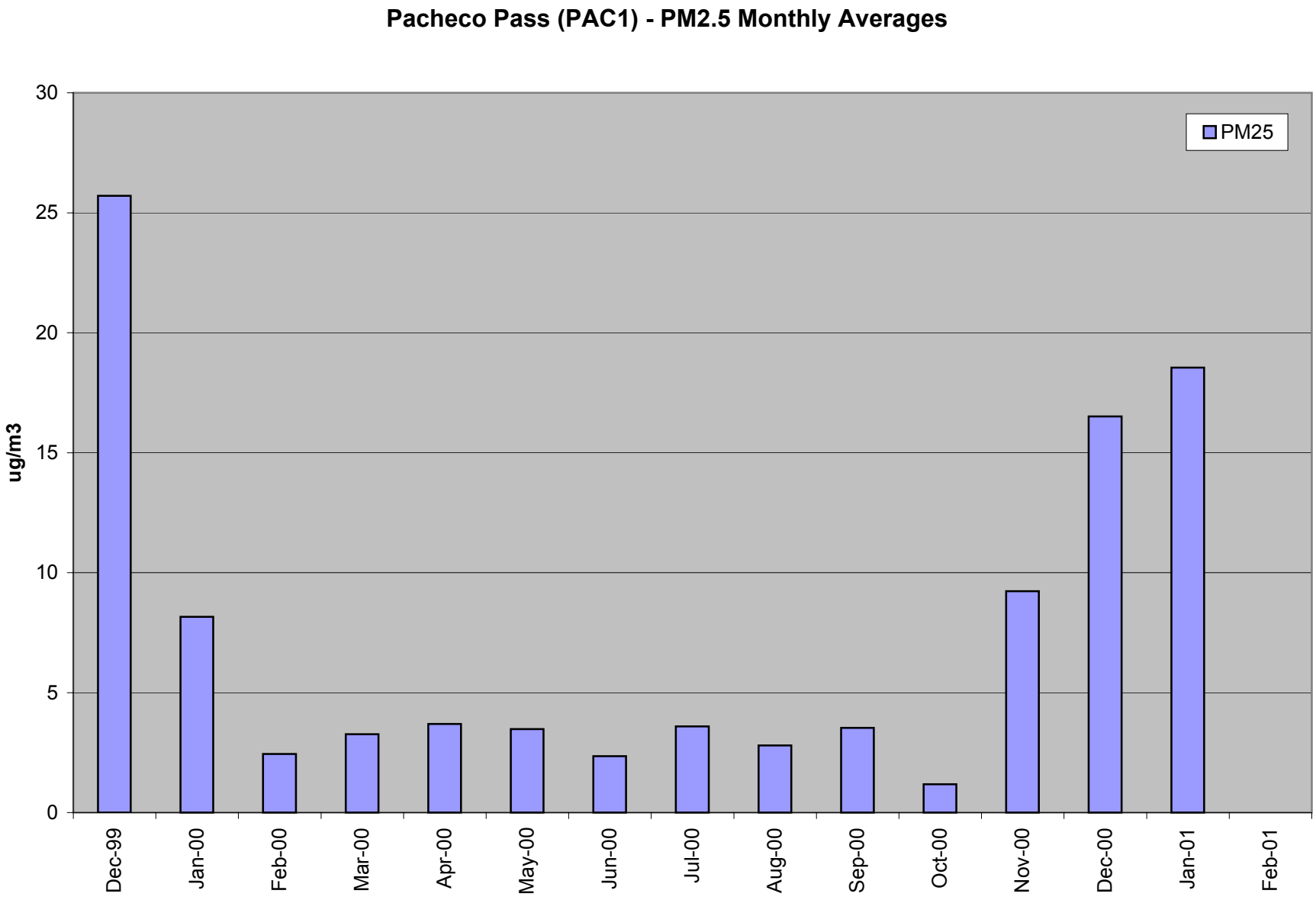


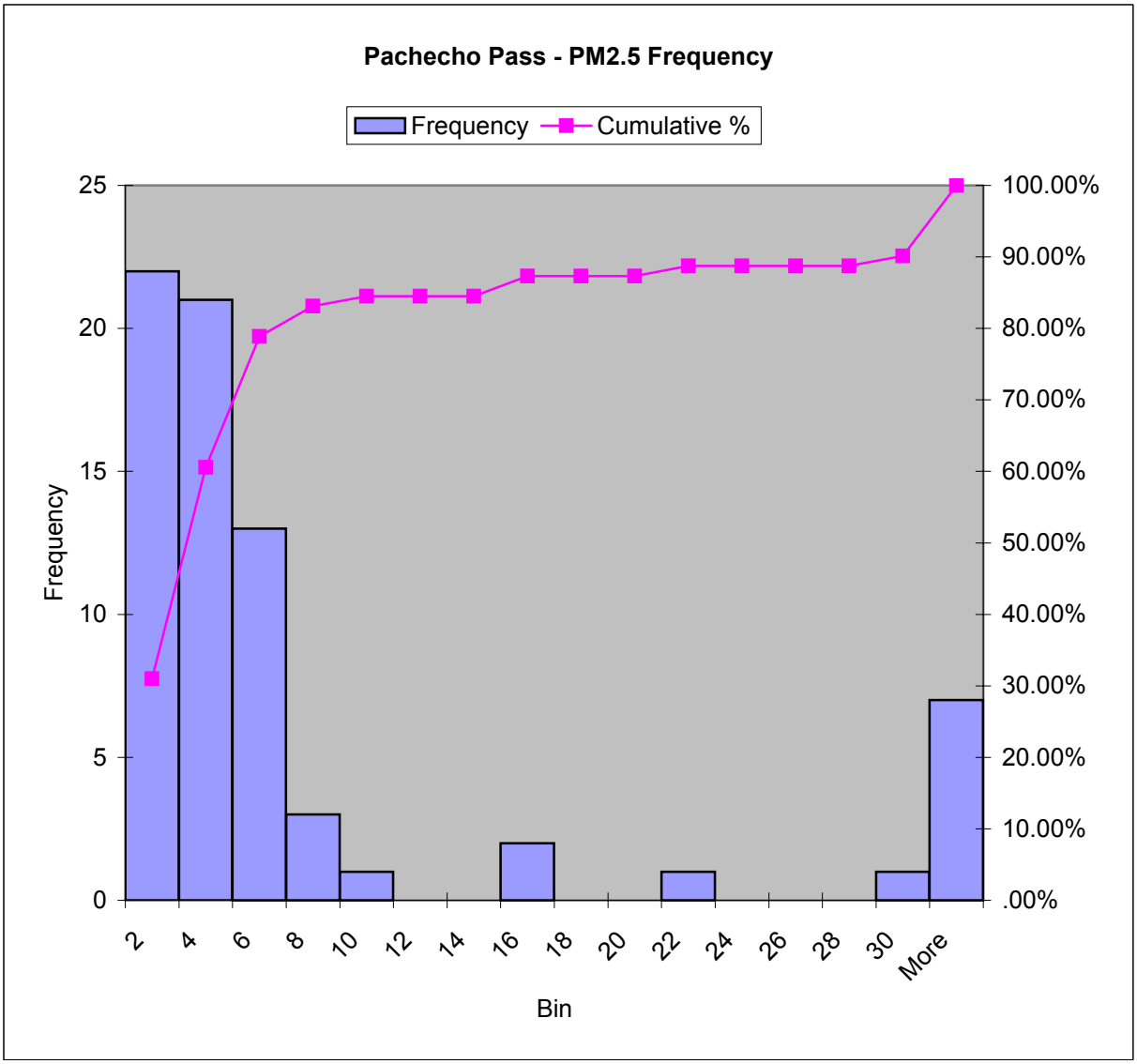









Pacheco Pass (PAC1) - PM2.5 Monthly Averages
ug/m3
30
25
20
15
10
5
0
PM25
Dec-99
Jan-00
Feb-00
Mar-00
Apr-00
May-00
Jun-00
Jul-00
Aug-00
Sep-00
Oct-00
Nov-00
Dec-00
Jan-01
Feb-01



Bin	*Frequency*	*Cumulative %*
2	22	30.99%
4	21	60.56%
6	13	78.87%
8	3	83.10%
10	1	84.51%
12	0	84.51%
14	0	84.51%
16	2	87.32%
18	0	87.32%
20	0	87.32%
22	1	88.73%
24	0	88.73%
26	0	88.73%
28	0	88.73%
30	1	90.14%
More	7	100.00%