

## MONTHLY SUMMARY SHEET



Summary Sheet For Sites :- Mascot ASP23

Absolute Values (ng/m3)

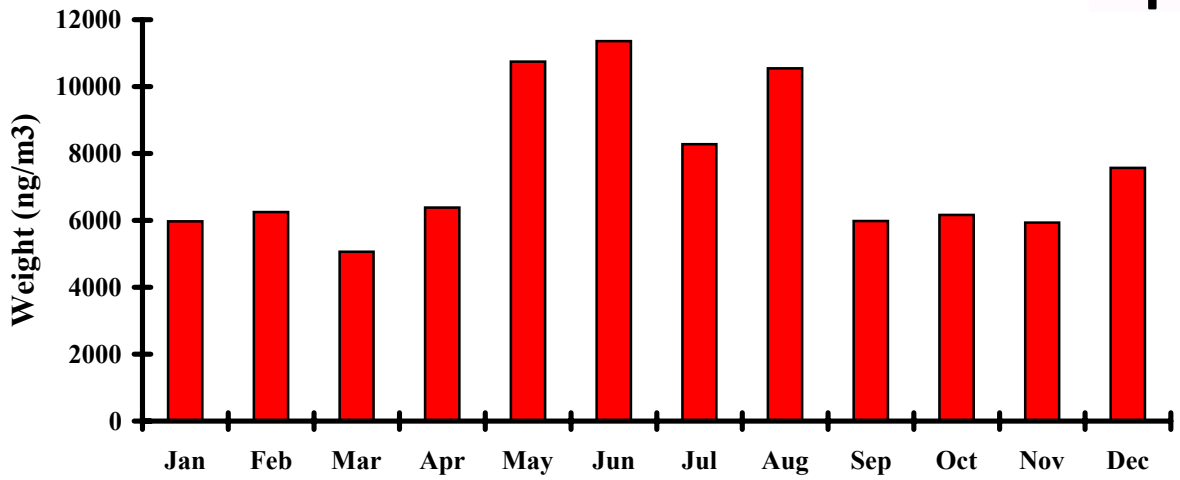
2005	Weight	NHSO4	Organ.	Soil	Elt. C.	Salt	K	Fe	Zn	Pb
Jan	5968	1626	312	467	738	2490	36	48	2	5
Feb	6248	2260	231	275	814	2153	31	34	5	2
Mar	5064	1488	375	265	892	1843	30	42	6	7
Apr	6385	1523	899	424	1251	1056	36	69	12	24
May	10743	1903	3067	915	2466	694	85	207	43	18
Jun	11357	1585	4019	992	2512	664	109	184	37	18
Jul	8278	1083	2706	506	2087	390	53	114	21	17
Aug	10541	1353	3189	639	2088	1015	96	112	27	17
Sep	5979	1349	1176	349	1301	675	44	58	24	7
Oct	6159	1523	771	319	1024	1731	39	54	8	7
Nov	5933	1579	207	185	889	2936	28	30	7	4
Dec	7573	2051	597	559	833	3380	56	56	5	9
Average	7519	1610	1462	491	1408	1586	54	84	16	11
Stan Dev	2193	323	1377	253	682	990	28	59	14	7
Minimum	934	229	0	63	254	0	9	3	0	0
Site : Date	23:9/10	23:9/10	23:2/1	23:9/1	23:9/1	23:6/2	23:9/10	23:6/11	23:6/11	23:9/1
Maximum	26986	5603	11086	3108	5043	9035	312	612	154	81
Site : Date	23:5/6	23:8/6	23:5/6	23:8/6	23:25/5	23:2/1	23:5/6	23:25/5	23:8/6	23:17/4

Relative Percentages (%)

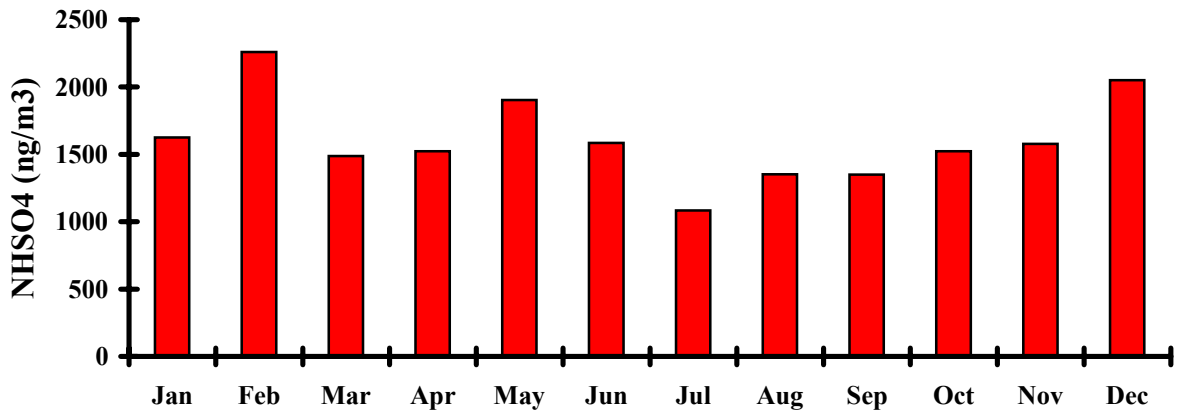
2005		NHSO4 %	Organ. %	Soil %	Elt. C. %	Salt %	RCMA %	
Jan		27	5	8	12	42	88	
Feb		36	4	4	13	34	91	
Mar		29	7	5	18	36	93	
Apr		24	14	7	20	17	81	
May		18	29	9	23	6	85	
Jun		14	35	9	22	6	84	
Jul		13	33	6	25	5	82	
Aug		13	30	6	20	10	82	
Sep		23	20	6	22	11	81	
Oct		25	13	5	17	28	88	
Nov		27	3	3	15	49	97	
Dec		27	8	7	11	45	96	
Average		23	17	6	18	24	87	
Stan Dev		7	12	2	5	17	6	
Minimum		3	0	1	3	0		
Site : Date		23:9/10	23:2/1	23:9/1	23:9/1	23:6/2		
Maximum		75	147	41	67	120		
Site : Date		23:8/6	23:5/6	23:8/6	23:25/5	23:2/1		



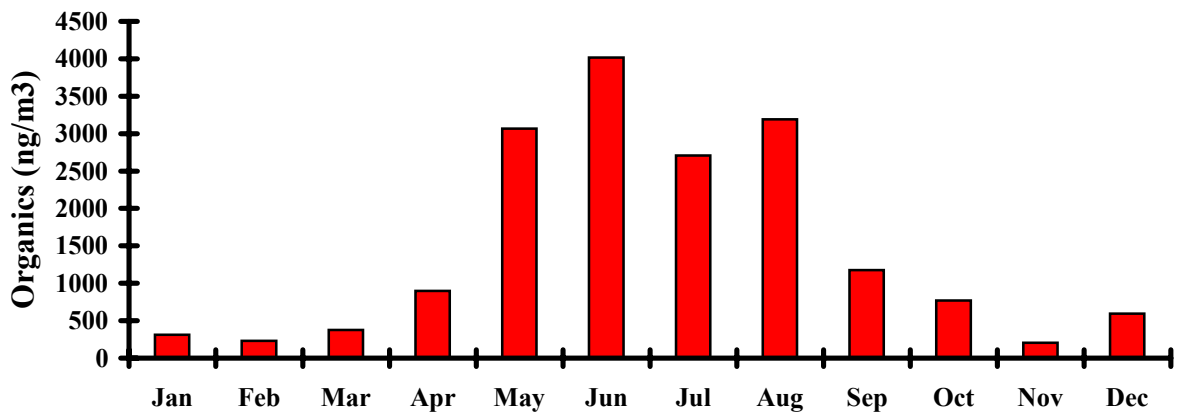
### Weight vs Month



### Ammonium Sulphate vs Month

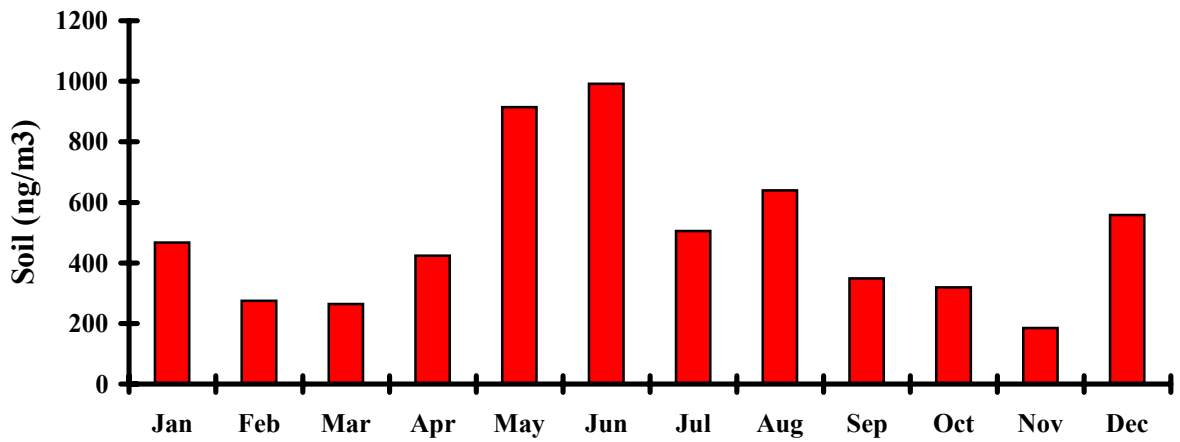


### Organics vs Month

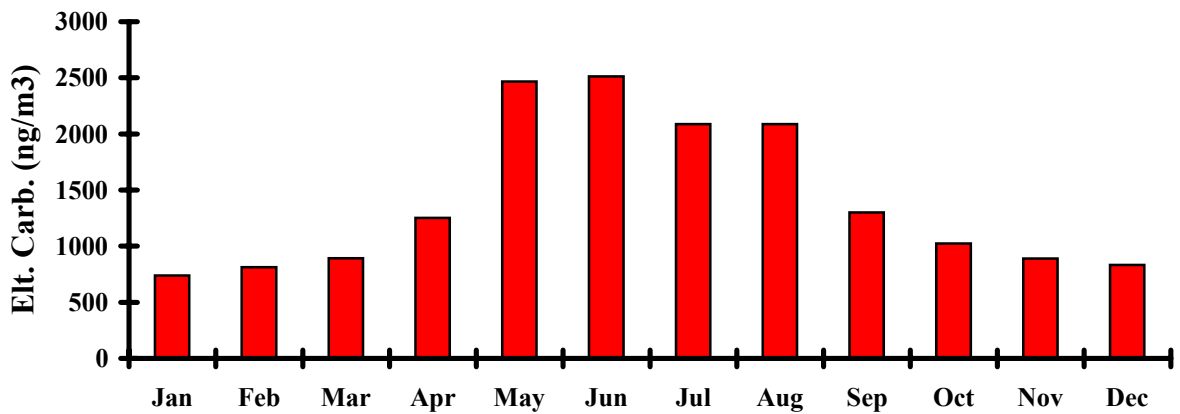




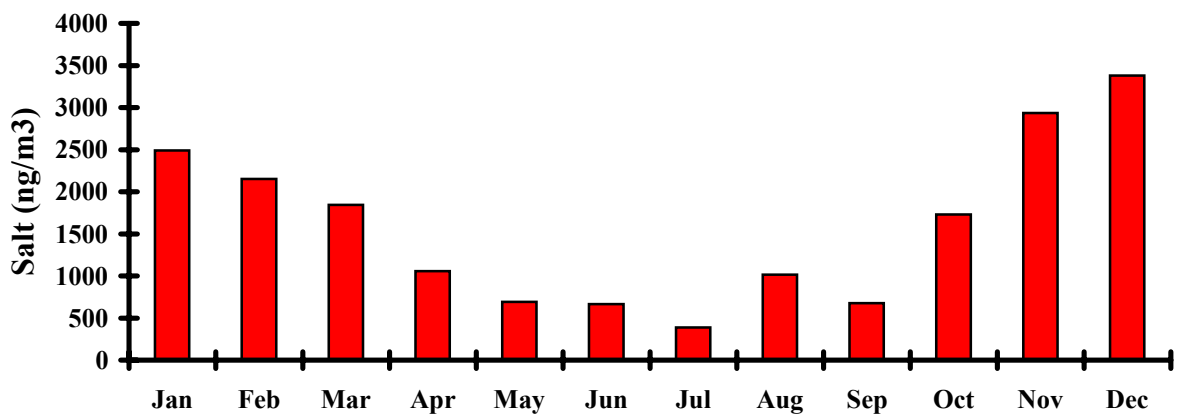
### Soil vs Month



### Elemental Carbon vs Month

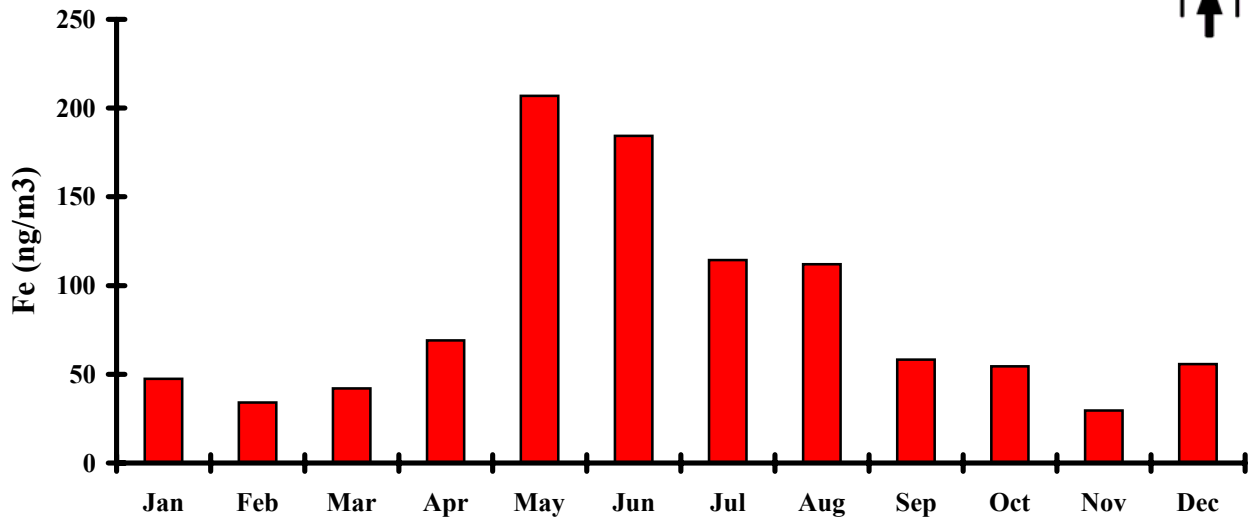


### Salt vs Month

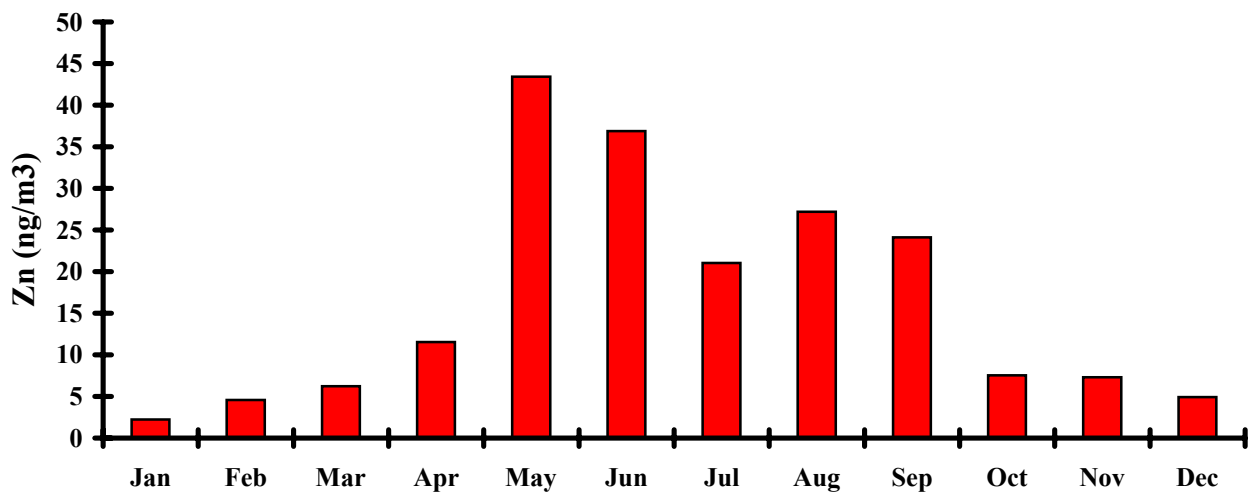




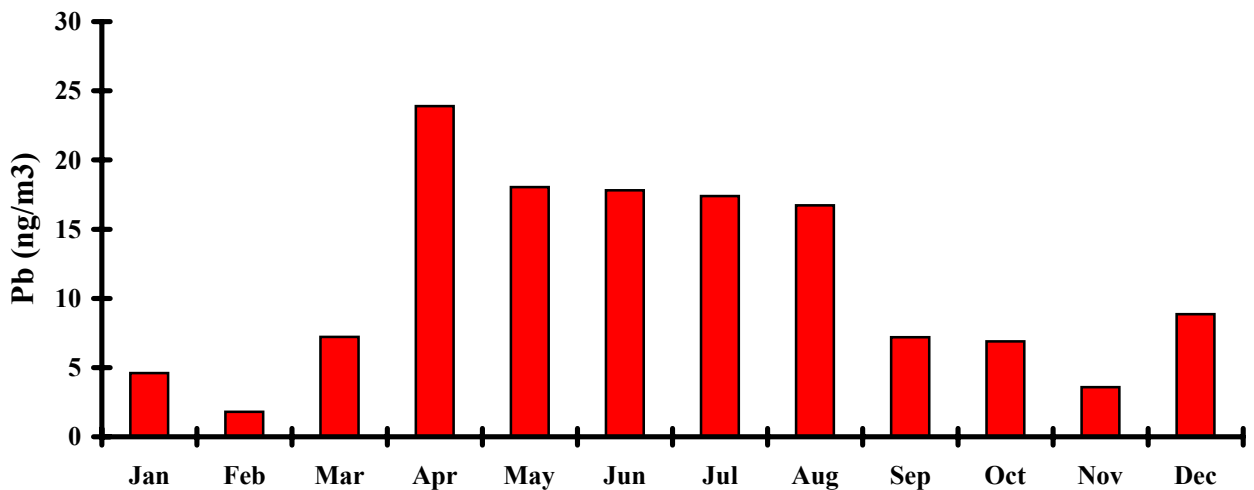
### Iron vs Month



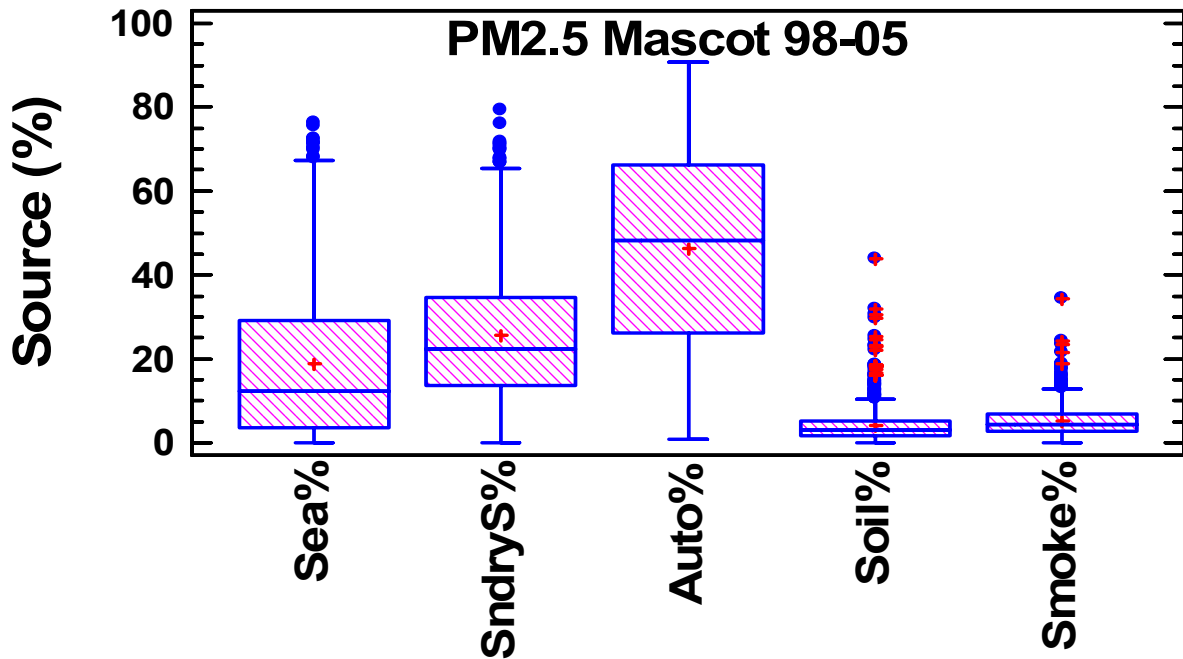
### Zinc vs Month



### Lead vs Month



Mascot PM<sub>2.5</sub> Average Source Contributions 98-05



Box and Whisker Plot with (+) Mean, (—) Median, (•) Outliers

Average Percentage Source Contributions for Mascot from 1998-2005 (658 data points)

%Source	%Mean	StDev	%Median	%Max
Sea%	19	18	12	76
SndryS%	26	16	22	79
Auto%	46	23	48	91
Soil%	4.2	4.5	2.9	44
Smoke%	5.3	3.7	4.3	34

**Note:** A "Box and Whisker" plot is a compact way of expressing, in graphical form, a lot of data and information. In the plots below each box represents the width of the distribution of the individual measurements containing 25% (lower level) to 75% (upper level) of all the points measured. Hence the central box spans the middle 50% of the data points. The upper and lower vertical whiskers attached to each box represent the spread of points that are 1.5 times above and below the box limits respectively. All points outside the limits (outliers) represented by the box and the whiskers are plotted separately as individual dots. The median of the distribution is plotted as a solid horizontal line across each box and the mean as a small (+) sign usually adjacent to the median value and inside the box. A "Box and Whisker" plot shows the data in four areas of equal frequency, which allows you to visually examine the shape of the distribution to detect skewness and identify "outliers".