

## REGRESSION ANALYSIS

## USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.16398E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

6.85573E-01 6.79289E-01

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .2339

ROW NUMBER 2

.2339 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .503422E+01 DEG OF FR = 86 B COMPUTED = .273902E-01

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

6.11875E+00 2.36043E-01

MULTIPLE CORRELATION COEFFICIENT = .2338792 F VALUE FOR 1 AND 86 DEG OF FR = 4.976  
THE PROBABILITY OF THIS F IS : .028

WTD SUM OF RESIDUALS SQUARED = .3865423E+02

PARTIAL CORRELATION COEFFICIENTS

.23368

REGRESSION WEIGHTS

2.33879E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.04642E-01

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

8.66798E-01 1.05812E-01

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.7042E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 5.470

## LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
1 ( )	8.19000E+00	8.00709E+00	1.82910E-01
2 ( )	8.62000E+00	7.87018E+00	7.49815E-01
3 ( )	7.97000E+00	7.87018E+00	9.98149E-02
4 ( )	7.74000E+00	7.87018E+00	-1.30185E-01
5 ( )	8.00000E+00	7.87018E+00	1.29815E-01
6 ( )	8.28000E+00	7.86546E+00	4.14536E-01
7 ( )	7.68000E+00	7.83242E+00	-1.52419E-01
8 ( )	7.23000E+00	7.89615E+00	-6.66150E-01

000473

Mil Comp A.  
Not Trans Origin

8 ( ) 7.23000E+00 7.89615E+00 -6.66150E-01  
9 ( ) 8.15000E+00 7.97293E+00 1.57072E-01  
10 ( ) 6.90000E+00 8.01181E+00 2.88188E-01  
11 ( ) 8.87000E+00 8.01181E+00 2.58188E-01  
12 ( ) 7.84000E+00 6.01181E+00 -1.71811E-01  
13 ( ) 9.23000E+00 7.81590E+00 1.41410E+00  
14 ( ) 8.27000E+00 7.81590E+00 4.54105E-01  
15 ( ) 7.28000E+00 7.84186E+00 -5.61860E-01  
16 ( ) 8.15000E+00 7.84186E+00 3.08140E-01  
17 ( ) 7.77000E+00 8.04014E+00 -2.70136E-01  
18 ( ) 6.95000E+00 8.04014E+00 -1.09014E+00  
19 ( ) 6.97000E+00 8.04014E+00 -1.07014E+00  
20 ( ) 6.96000E+00 7.84422E+00 -8.84220E-01  
21 ( ) 7.79000E+00 7.95752E+00 -1.67521E-01  
22 ( ) 8.15000E+00 7.95044E+00 2.29561E-01  
23 ( ) 7.89000E+00 7.87491E+00 -1.84906E-01  
24 ( ) 8.21000E+00 7.96460E+00 2.45398E-01  
25 ( ) 7.80000E+00 7.96460E+00 -1.64602E-01  
26 ( ) 7.33000E+00 7.96460E+00 -6.34603E-01  
27 ( ) 8.98000E+00 8.13691E+00 8.43086E-01  
28 ( ) 7.97000E+00 6.05902E+00 -8.90193E-02  
29 ( ) 6.62000E+00 7.89143E+00 7.28571E-01  
30 ( ) 8.05000E+00 8.12039E+00 -7.03897E-02  
31 ( ) 7.68000E+00 8.19356E+00 -5.13564E-01  
32 ( ) 8.46000E+00 8.19356E+00 2.64437E-01  
33 ( ) 9.03000E+00 8.19356E+00 8.36436E-01  
34 ( ) 8.40000E+00 7.98113E+00 4.18874E-01  
35 ( ) 7.81000E+00 8.14636E+00 -3.36366E-01  
36 ( ) 8.72000E+00 8.02897E+00 6.94027E-01  
37 ( ) 8.36000E+00 7.86074E+00 4.99256E-01  
38 ( ) 6.90000E+00 8.16052E+00 -1.26052E+00  
39 ( ) 7.23000E+00 8.16052E+00 -9.30518E-01  
40 ( ) 7.36000E+00 8.16052E+00 -8.00518E-01  
41 ( ) 7.21000E+00 8.16052E+00 -9.50518E-01  
42 ( ) 9.33000E+00 6.29742E+00 1.03258E+00  
43 ( ) 8.00000E+00 8.06846E+00 -6.84614E-02  
44 ( ) 8.91000E+00 8.29270E+00 6.17298E-01  
45 ( ) 8.34000E+00 8.05902E+00 2.80981E-01  
46 ( ) 8.61000E+00 8.05902E+00 5.50981E-01  
47 ( ) 7.44000E+00 8.05902E+00 -6.19019E-01  
48 ( ) 7.58000E+00 8.03069E+00 -4.50694E-01  
49 ( ) 7.34000E+00 8.21245E+00 -8.72447E-01  
50 ( ) 7.51000E+00 8.30450E+00 -7.94504E-01  
51 ( ) 8.67000E+00 8.21953E+00 4.10472E-01  
52 ( ) 8.12000E+00 8.08498E+00 3.50161E-02  
53 ( ) 8.87000E+00 8.08498E+00 7.85016E-01  
54 ( ) 8.93000E+00 8.08498E+00 8.45016E-01  
55 ( ) 8.84000E+00 8.06374E+00 7.76260E-01  
56 ( ) 8.79000E+00 8.10151E+00 6.82493E-01  
57 ( ) 8.09000E+00 7.82770E+00 2.62303E-01  
58 ( ) 7.48000E+00 8.05902E+00 -5.79019E-01  
59 ( ) 7.70000E+00 8.31159E+00 -6.11586E-01  
60 ( ) 7.74000E+00 8.31159E+00 -5.71586E-01  
61 ( ) 9.05000E+00 8.31159E+00 7.38415E-01  
62 ( ) 9.40000E+00 8.12275E+00 1.27725E+00  
63 ( ) 8.94000E+00 8.39892E+00 3.41079E-01  
64 ( ) 9.04000E+00 8.17468E+00 6.65319E-01  
65 ( ) 8.37000E+00 8.17468E+00 1.45315E-01  
66 ( ) 6.92000E+00 8.07534E+00 8.44458E-01  
67 ( ) 8.31000E+00 8.07534E+00 2.34458E-01  
68 ( ) 8.50000E+00 8.07534E+00 4.24458E-01  
69 ( ) 8.45000E+00 7.77341E+00 6.76592E-01  
70 ( ) 8.92000E+00 6.15580E+00 -1.35797E-01  
71 ( ) 8.39000E+00 6.73223E+00 5.71709E-02  
72 ( ) 9.05000E+00 8.11667E+00 9.74731E-01  
73 ( ) 7.41000E+00 7.51105E+00 5.01105E-01

73 ( )	7.75000E+00	7.75450E+00	-5.94801E-01
74 ( )	7.37000E+00	7.96460E+00	-5.94603E-01
75 ( )	7.44000E+00	7.96460E+00	-5.24602E-01
76 ( )	7.09000E+00	8.29034E+00	-1.20034E+00
77 ( )	8.25000E+00	8.13455E+00	1.15447E-01
78 ( )	7.96000E+00	8.30450E+00	-3.44504E-01
79 ( )	7.78000E+00	7.88671E+00	-1.06708E-01
80 ( )	7.98000E+00	7.88671E+00	9.32918E-02
81 ( )	7.63000E+00	7.88671E+00	-2.56708E-01
82 ( )	7.60000E+00	7.68135E+00	-6.13508E-02
83 ( )	6.04000E+00	7.68135E+00	-1.64135E+00
84 ( )	6.35000E+00	8.06646E+00	-1.71846E+00
85 ( )	7.62000E+00	7.84894E+00	-2.28941E-01
86 ( )	7.32000E+00	8.07318E+00	-7.53182E-01
87 ( )	8.55000E+00	8.28090E+00	2.69100E-01
88 ( )	8.03000E+00	8.28090E+00	-2.50900E-01

STEP-FORWARD

REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbnn blstpbnn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.16198E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

8.07462E+00 8.19187E+00

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .9947

ROW NUMBER 2

.9947 1.0000

VARIABLE 2 (blstpbnn) ADDED. F = .81814E+04 DEG OF FR = 87 & COMPUTED = .000000E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

0.00000E+00 9.80418E-01

MULTIPLE CORRELATION COEFFICIENT = .9946651 F VALUE FOR 1 AND 87 DEG OF FR = 8088.662

THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .6105326E+02

PARTIAL CORRELATION COEFFICIENTS

.99467

REGRESSION WEIGHTS

9.94665E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.10576E-02

STANDARD ERROR OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

0.00000E+00 1.09013E-02

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 8.3773E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 99.936

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW NO) OBSERVED COMPUTED RESIDUAL

1 1 6.15900E+00 7.64343E+00 1.48443E-01

MILCOMP A.  
LINE THROUGH ORIGIN

1	)	8.19000E+00	7.28735E+00	8.48372E-01
2	)	8.62000E+00	7.27478E+00	1.34522E+00
3	)	7.97000E+00	7.27478E+00	6.95220E-01
4	)	7.74000E+00	7.27478E+00	4.65220E-01
5	)	8.00000E+00	7.27478E+00	7.25221E-01
6	)	8.28000E+00	7.25517E+00	1.02483E+00
7	)	7.68000E+00	7.11791E+00	5.62089E-01
8	)	7.23000E+00	7.38263E+00	-1.52627E-01
9	)	8.15000E+00	7.78440E+00	3.65397E-01
10	)	8.90000E+00	7.86304E+00	1.03696E+00
11	)	8.87000E+00	7.86304E+00	1.00696E+00
12	)	7.64000E+00	7.86304E+00	-2.30365E-02
13	)	9.23000E+00	7.04928E+00	2.13072E+00
14	)	8.27000E+00	7.04928E+00	1.22072E+00
15	)	7.28000E+00	7.15713E+00	1.22872E-01
16	)	8.15000E+00	7.15713E+00	9.92872E-01
17	)	7.77000E+00	7.98069E+00	-2.10688E-01
18	)	6.95000E+00	7.98069E+00	-1.03069E+00
19	)	6.97000E+00	7.98069E+00	-1.01069E+00
20	)	6.94000E+00	7.16693E+00	-2.06932E-01
21	)	7.79000E+00	7.63754E+00	1.52462E-01
22	)	8.18000E+00	7.60813E+00	5.71875E-01
23	)	7.69000E+00	7.29439E+00	3.95612E-01
24	)	8.21000E+00	7.66695E+00	5.43049E-01
25	)	7.80000E+00	7.66695E+00	1.33049E-01
26	)	7.33000E+00	7.66695E+00	-3.36951E-01
27	)	8.98000E+00	8.38266E+00	5.97336E-01
28	)	7.97000E+00	8.05912E+00	-8.91223E-02
29	)	8.62000E+00	7.36302E+00	1.25698E+00
30	)	8.05000E+00	8.31403E+00	-2.64032E-01
31	)	7.68000E+00	8.61797E+00	-9.37966E-01
32	)	8.46000E+00	8.61797E+00	-1.57966E-01
33	)	9.03000E+00	8.61797E+00	4.12034E-01
34	)	8.40000E+00	7.73558E+00	6.64419E-01
35	)	7.81000E+00	8.42198E+00	-6.11881E-01
36	)	8.72000E+00	7.92186E+00	7.98139E-01
37	)	8.36000E+00	7.23556E+00	1.12444E+00
38	)	6.90000E+00	8.48071E+00	-1.56071E+00
39	)	7.23000E+00	8.48071E+00	-1.25071E+00
40	)	7.35000E+00	8.48071E+00	-1.12071E+00
41	)	7.21000E+00	8.48071E+00	-1.27071E+00
42	)	9.33000E+00	9.04935E+00	2.80645E-01
43	)	8.00000E+00	8.09834E+00	-9.83391E-02
44	)	8.91000E+00	9.02975E+00	-1.19746E-01
45	)	8.54000E+00	8.05912E+00	2.80878E-01
46	)	8.61000E+00	8.05912E+00	5.50878E-01
47	)	7.44000E+00	8.05912E+00	-6.19122E-01
48	)	7.58000E+00	7.94147E+00	-3.61471E-01
49	)	7.34000E+00	8.69640E+00	-1.33640E+00
50	)	7.51000E+00	9.07877E+00	-1.56877E+00
51	)	8.63000E+00	8.72381E+00	-9.58128E-02
52	)	8.12000E+00	8.16497E+00	-4.69694E-02
53	)	8.87000E+00	8.16497E+00	7.03031E-01
54	)	8.93000E+00	8.16497E+00	7.63031E-01
55	)	8.94000E+00	8.07873E+00	7.61270E-01
56	)	8.79000E+00	8.23560E+00	5.54401E-01
57	)	8.09000E+00	7.09830E+00	9.91698E-01
58	)	7.48000E+00	8.05912E+00	-5.79122E-01
59	)	7.70000E+00	9.10818E+00	-1.40818E+00
60	)	7.74000E+00	9.10818E+00	-1.36818E+00
61	)	9.05000E+00	9.10818E+00	-5.81799E-02
62	)	9.40000E+00	8.32384E+00	1.07616E+00
63	)	8.94000E+00	9.47074E+00	-5.30939E-01
64	)	9.04000E+00	8.53953E+00	5.00468E-01
65	)	8.37000E+00	8.53953E+00	-1.69532E-01
66	)	8.92000E+00	8.12775E+00	7.72248E-01

67 ( )	8.31000E+00	8.22770E+00	1.82248E+01
68 ( )	8.50000E+00	8.12775E+00	3.72248E-01
69 ( )	8.45000E+00	8.87280E+00	1.57720E+00
70 ( )	8.02000E+00	8.46110E+00	-4.41097E-01
71 ( )	8.39000E+00	9.19642E+00	-8.06418E-01
72 ( )	9.09000E+00	8.29443E+00	7.95575E-01
73 ( )	7.46000E+00	7.66695E+00	-2.06951E-01
74 ( )	7.37000E+00	7.66695E+00	-2.96951E-01
75 ( )	7.44000E+00	7.66695E+00	-2.26951E-01
76 ( )	7.09000E+00	9.01994E+00	-1.92994E+00
77 ( )	8.25000E+00	8.37286E+00	-1.22659E-01
78 ( )	7.96000E+00	9.07877E+00	-1.11877E+00
79 ( )	7.78000E+00	7.34341E+00	4.36591E-01
80 ( )	7.98000E+00	7.34341E+00	6.36591E-01
81 ( )	7.63000E+00	7.34341E+00	2.66591E-01
82 ( )	7.60000E+00	6.49044E+00	1.10956E+00
83 ( )	6.04000E+00	6.49044E+00	-4.50436E-01
84 ( )	6.35000E+00	8.09234E+00	-1.74634E+00
85 ( )	7.62000E+00	7.18634E+00	4.33459E-01
86 ( )	7.32000E+00	5.11795E+00	-7.97947E-01
87 ( )	8.53000E+00	8.98072E+00	-4.30724E-01
88 ( )	8.03000E+00	8.98072E+00	-9.50725E-01

STEP-FORWARD  
 REGRESSION ANALYSIS  
 USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.15825E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

6.85573E-01 6.71653E-01

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .4664

ROW NUMBER 2

.4664 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .241846E+02 DEG OF FR = 86 Q COMPUTED = .393391E-05

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

4.16298E+00 4.76054E-01

MULTIPLE CORRELATION COEFFICIENT = .4663879 F VALUE FOR 1 AND 86 DEG OF FR = 23.907

THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .3199644E+02

PARTIAL CORRELATION COEFFICIENTS

.46639

REGRESSION WEIGHTS

4.66388E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

9.53868E-02

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

7.96780E-01 9.73637E-02

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.0996E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 21.752

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
--------------	----------	----------	----------

1 ( )	8.19000E+00	8.19992E+00	-9.91821E-03
2 ( )	8.62000E+00	7.97141E+00	6.48588E-01
3 ( )	7.97000E+00	7.69530E+00	2.74699E-01
4 ( )	7.74000E+00	7.69530E+00	4.46907E-02
5 ( )	8.00000E+00	7.69530E+00	3.04699E-01
6 ( )	8.28000E+00	7.69530E+00	5.64699E-01

Nil-computed  
 Not Taken origin

8	(	)	7.23000E+00	7.61913E+00	-3.89132E-01
9	(	)	8.15000E+00	7.74767E+00	4.02333E-01
10	(	)	8.90000E+00	7.94285E+00	9.57151E-01
11	(	)	8.67000E+00	7.96093E+00	8.69067E-01
12	(	)	7.84000E+00	7.98093E+00	-1.40933E-01
13	(	)	9.23000E+00	7.98093E+00	1.24907E+00
14	(	)	8.27000E+00	7.58581E+00	6.84192E-01
15	(	)	7.28000E+00	7.58581E+00	-3.05808E-01
16	(	)	8.15000E+00	7.63817E+00	5.11826E-01
17	(	)	7.77000E+00	7.63817E+00	1.31826E-01
18	(	)	6.95000E+00	8.03806E+00	-1.08806E+00
19	(	)	6.97000E+00	8.03806E+00	-1.06806E+00
20	(	)	6.96000E+00	8.03806E+00	-1.07806E+00
21	(	)	7.79000E+00	7.64293E+00	1.47063E-01
22	(	)	8.18000E+00	7.87144E+00	3.08559E-01
23	(	)	7.69000E+00	7.85716E+00	-1.67159E-01
24	(	)	8.21000E+00	7.70482E+00	5.05178E-01
25	(	)	7.80000E+00	7.88572E+00	-8.57220E-02
26	(	)	7.33000E+00	7.88572E+00	-5.55722E-01
27	(	)	8.98000E+00	7.88572E+00	1.09428E+00
28	(	)	7.97000E+00	8.23324E+00	-2.63242E-01
29	(	)	8.62000E+00	8.07614E+00	5.43836E-01
30	(	)	8.05000E+00	7.73815E+00	3.11854E-01
31	(	)	7.68000E+00	8.19992E+00	-5.19918E-01
32	(	)	8.46000E+00	8.34749E+00	1.12506E-01
33	(	)	9.03000E+00	8.34749E+00	6.82506E-01
34	(	)	8.40000E+00	8.34749E+00	5.25055E-02
35	(	)	7.81000E+00	7.91908E+00	-1.09046E-01
36	(	)	8.72000E+00	8.25228E+00	4.67716E-01
37	(	)	8.36000E+00	8.00950E+00	3.50503E-01
38	(	)	6.90000E+00	7.67626E+00	-7.76258E-01
39	(	)	7.23000E+00	8.28085E+00	-1.05085E+00
40	(	)	7.36000E+00	8.28085E+00	-9.20646E-01
41	(	)	7.21000E+00	8.28085E+00	-1.07085E+00
42	(	)	9.33000E+00	8.28085E+00	1.04915E+00
43	(	)	8.00000E+00	8.55696E+00	-5.56938E-01
44	(	)	8.91000E+00	8.09519E+00	8.14814E-01
45	(	)	8.34000E+00	8.54744E+00	-2.07435E-01
46	(	)	8.61000E+00	8.07614E+00	5.33855E-01
47	(	)	7.44000E+00	8.07614E+00	-6.36144E-01
48	(	)	7.58000E+00	8.07614E+00	-4.96144E-01
49	(	)	7.34000E+00	8.01902E+00	-6.79017E-01
50	(	)	7.51000E+00	8.38558E+00	-8.75578E-01
51	(	)	6.63000E+00	8.57124E+00	5.87606E-02
52	(	)	6.12000E+00	8.39986E+00	-2.79860E-01
53	(	)	8.87000E+00	8.12851E+00	7.41490E-01
54	(	)	8.93000E+00	8.12851E+00	8.01491E-01
55	(	)	6.64000E+00	8.12851E+00	7.11491E-01
56	(	)	8.79000E+00	8.08566E+00	7.04335E-01
57	(	)	8.09000E+00	8.16183E+00	-7.18327E-02
58	(	)	7.48000E+00	7.60961E+00	-1.29611E-01
59	(	)	7.70000E+00	8.07614E+00	-3.78144E-01
60	(	)	7.74000E+00	8.58552E+00	-8.45522E-01
61	(	)	9.05000E+00	8.58552E+00	4.64478E-01
62	(	)	9.40000E+00	8.58552E+00	8.18478E-01
63	(	)	8.94000E+00	8.20466E+00	7.75322E-01
64	(	)	9.04000E+00	8.76166E+00	1.73338E-01
65	(	)	6.37000E+00	8.30341E+00	6.05898E-02
66	(	)	8.92000E+00	8.30961E+00	6.10590E-01
67	(	)	8.71000E+00	8.10947E+00	1.00533E-01
68	(	)	8.50000E+00	8.10947E+00	3.90502E-01
69	(	)	8.45000E+00	8.10947E+00	3.40532E-01
70	(	)	8.02000E+00	7.50912E+00	5.19882E-01
71	(	)	8.79000E-01	8.27133E+00	1.18474E-01
72	(	)	8.09000E-01	8.48277E+00	4.61634E-01
73	(	)	8.10000E+00	8.10000E+00	7.00000E-01

73 (	)	7.98000E+00	8.11090E+00	-7.00077E-01
74 (	)	7.37000E+00	7.68572E+00	-5.15722E-01
75 (	)	7.44000E+00	7.88572E+00	-4.45722E-01
76 (	)	7.09000E+00	7.68572E+00	-7.95722E-01
77 (	)	8.25000E+00	8.54168E+00	-2.92677E-01
78 (	)	7.96000E+00	8.22848E+00	-2.68481E-01
79 (	)	7.78000E+00	8.37124E+00	-7.91237E-01
80 (	)	7.98000E+00	7.72862E+00	2.51376E-01
81 (	)	7.63000E+00	7.72862E+00	-9.86242E-02
82 (	)	7.60000E+00	7.72862E+00	-1.28624E-01
83 (	)	6.04000E+00	7.31446E+00	-1.27446E+00
84 (	)	6.35000E+00	7.31446E+00	-9.64458E-01
85 (	)	7.62000E+00	8.09519E+00	-4.75186E-01
86 (	)	7.32000E+00	7.65246E+00	-3.32456E-01
87 (	)	8.55000E+00	8.10471E+00	4.45293E-01
88 (	)	8.03000E+00	8.52363E+00	-4.93634E-01

STEP-FORWARD  
REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2  
SELECTED VARIABLE IDENTIFIERS  
headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.15625E+00  
STANDARD DEVIATIONS OF SELECTED VARIABLES  
8.07462E+00 8.18355E+00

CORRELATION MATRIX

ROW NUMBER 1  
1.0000 .9963  
ROW NUMBER 2  
.9963 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .118904E+05 DEG OF FR = 87 & COMPUTED = .000000E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.  
0.00000E+00 9.83059E-01

MULTIPLE CORRELATION COEFFICIENT = .9963199 F VALUE FOR 1 AND 87 DEG OF FR = 11755.260  
THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .4218136E+02

PARTIAL CORRELATION COEFFICIENTS  
.99632

REGRESSION WEIGHTS  
9.96320E-01

STANDARD ERRORS OF REGRESSION WEIGHTS  
9.18931E-03

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS  
0.00000E+00 9.04479E-03

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 5.9606E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 99.265

*MILCOMP @  
THRU ORIGIN.*

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES  
ROW (ROW NO) OBSERVED COMPUTED RESIDUAL

2 ( ) 8.62000E+00 7.86447E+00 7.55531E-01  
3 ( ) 7.97000E+00 7.29430E+00 6.75704E-01  
4 ( ) 7.74000E+00 7.29430E+00 4.45704E-01  
5 ( ) 8.00000E+00 7.29430E+00 7.05705E-01  
6 ( ) 8.28000E+00 7.29430E+00 9.55704E-01  
7 ( ) 7.68000E+00 7.27463E+00 4.05366E-01  
8 ( ) 7.23000E+00 7.13701E+00 9.29942E-02  
9 ( ) 8.15000E+00 7.40243E+00 7.47562E-01  
10 ( ) 8.90000E+00 7.80549E+00 1.09451E+00  
11 ( ) 8.87000E+00 7.88413E+00 9.85867E-01  
12 ( ) 7.84900E+00 7.88413E+00 -4.41303E-02  
13 ( ) 9.23000E+00 7.88413E+00 1.34587E+00  
14 ( ) 8.27000E+00 7.06819E+00 1.20181E+00  
15 ( ) 7.28000E+00 7.06819E+00 2.11809E-01  
16 ( ) 8.15000E+00 7.17633E+00 9.73671E-01  
17 ( ) 7.77000E+00 7.17633E+00 5.93672E-01  
18 ( ) 6.95000E+00 8.00210E+00 -1.05210E+00  
19 ( ) 6.97000E+00 8.00210E+00 -1.03210E+00  
20 ( ) 6.96000E+00 8.00210E+00 -1.04210E+00  
21 ( ) 7.79000E+00 7.18616E+00 6.03841E-01  
22 ( ) 8.18000E+00 7.55803E+00 5.21974E-01  
23 ( ) 7.69000E+00 7.62854E+00 6.14648E-02  
24 ( ) 8.21000E+00 7.31396E+00 8.96044E-01  
25 ( ) 7.80000E+00 7.68752E+00 1.12482E-01  
26 ( ) 7.33000E+00 7.68752E+00 -3.57519E-01  
27 ( ) 8.98000E+00 7.68752E+00 1.29248E+00  
28 ( ) 7.97000E+00 8.40515E+00 -4.35152E-01  
29 ( ) 8.62000E+00 8.08074E+00 5.39258E-01  
30 ( ) 8.05000E+00 7.38277E+00 6.67230E-01  
31 ( ) 7.68000E+00 8.33634E+00 -6.56337E-01  
32 ( ) 8.46000E+00 8.64109E+00 -1.81086E-01  
33 ( ) 9.03000E+00 8.64109E+00 3.88914E-01  
34 ( ) 8.40000E+00 8.64109E+00 -2.41086E-01  
35 ( ) 7.81000E+00 7.75633E+00 5.36675E-02  
36 ( ) 8.72000E+00 8.44447E+00 2.75526E-01  
37 ( ) 8.36000E+00 7.94311E+00 4.16886E-01  
38 ( ) 6.90000E+00 7.25497E+00 -3.54973E-01  
39 ( ) 7.23000E+00 8.50346E+00 -1.27346E+00  
40 ( ) 7.35000E+00 8.50346E+00 -1.14346E+00  
41 ( ) 7.21000E+00 8.50346E+00 -1.29346E+00  
42 ( ) 9.33000E+00 8.50346E+00 8.26343E-01  
43 ( ) 8.00000E+00 9.07363E+00 -1.07363E+00  
44 ( ) 8.91000E+00 8.12006E+00 7.89935E-01  
45 ( ) 8.34000E+00 9.05397E+00 -7.13970E-01  
46 ( ) 8.61000E+00 8.08074E+00 5.29258E-01  
47 ( ) 7.44000E+00 8.08074E+00 -6.40742E-01  
48 ( ) 7.58000E+00 8.08074E+00 -5.00742E-01  
49 ( ) 7.34000E+00 7.96278E+00 -6.22775E-01  
50 ( ) 7.51000E+00 8.71973E+00 -1.20973E+00  
51 ( ) 8.63000E+00 6.10312E+00 -4.73123E-01  
52 ( ) 8.12000E+00 8.74922E+00 -6.29222E-01  
53 ( ) 8.87000E+00 8.18888E+00 6.81122E-01  
54 ( ) 8.93000E+00 8.18888E+00 7.41122E-01  
55 ( ) 8.84000E+00 8.18888E+00 6.51122E-01  
56 ( ) 8.78000E+00 8.10040E+00 6.89597E-01  
57 ( ) 8.09000E+00 8.25749E+00 -1.67692E-01  
58 ( ) 7.48000E+00 7.11734E+00 3.62656E-01  
59 ( ) 7.70000E+00 8.08074E+00 -3.80742E-01  
60 ( ) 7.74000E+00 9.13262E+00 -1.39262E+00  
61 ( ) 9.05000E+00 9.13262E+00 -8.26149E-02  
62 ( ) 9.40000E+00 9.13262E+00 2.67385E-01  
63 ( ) 8.94000E+00 8.34617E+00 5.93832E-01  
64 ( ) 7.04000E+00 9.49635E+00 -4.56347E-01  
65 ( ) 8.37000E+00 8.56244E+00 -1.92441E-01  
66 ( ) 8.92000E+00 8.56244E+00 3.57559E-01

68 (	)	8.50000E+00	8.14956E+00	3.50444E-01
69 (	)	8.45000E+00	8.14956E+00	3.00444E-01
70 (	)	8.02000E+00	6.89124E+00	1.12876E-00
71 (	)	5.39000E+00	8.48380E+00	-9.37958E-02
72 (	)	9.09000E+00	9.22109E+00	-1.31090E-01
73 (	)	7.46000E+00	8.31668E+00	-8.56676E-01
74 (	)	7.37000E+00	7.68752E+00	-3.17519E-01
75 (	)	7.44000E+00	7.68752E+00	-2.47519E-01
76 (	)	7.09000E+00	7.69752E+00	-5.97518E-01
77 (	)	8.25000E+00	9.04414E+00	-7.94139E-01
78 (	)	7.96000E+00	8.39532E+00	-4.35321E-01
79 (	)	7.78000E+00	9.10312E+00	-1.32312E+00
80 (	)	7.98000E+00	7.36311E+00	6.16891E-01
81 (	)	7.63000E+00	7.36311E+00	2.66891E-01
82 (	)	7.60000E+00	7.36311E+00	2.36891E-01
83 (	)	6.04000E+00	6.50785E+00	-4.67848E-01
84 (	)	6.35000E+00	6.50785E+00	-1.57848E-01
85 (	)	7.62000E+00	8.12006E+00	-5.0065E-01
86 (	)	7.32000E+00	7.20582E+00	1.14181E-01
87 (	)	8.55000E+00	8.13972E+00	4.10275E-01
88 (	)	8.03000E+00	9.00482E+00	-9.74817E-01

STEP-FORWARD  
REGRESSION ANALYSIS  
USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1	2
he4adpbz	blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00	8.14011E+00
-------------	-------------

STANDARD DEVIATIONS OF SELECTED VARIABLES

6.85573E-01	6.64278E-01
-------------	-------------

CORRELATION MATRIX

ROW NUMBER	1	
	1.0000	.4131
ROW NUMBER	2	
	.4131	1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .178995E+02 DEG OF FR = 86 Q COMPUTED = .573397E-04

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

4.57549E+00	4.26322E-01
-------------	-------------

MULTIPLE CORRELATION COEFFICIENT = .4130796 F VALUE FOR 1 AND 86 DEG OF FR = 17.694

THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .3391352E+02

PARTIAL CORRELATION COEFFICIENTS

.41308

REGRESSION WEIGHTS

4.13080E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

9.82028E-02

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

8.27719E-01	1.01351E-01
-------------	-------------

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.2797E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 17.063

Min-comp 1  
 NOT  
 TO  
 ORIGINAL.

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
1 ( )	8.19000E+00	7.87522E+00	3.14782E-01
2 ( )	8.62000E+00	8.19070E+00	4.29304E-01
3 ( )	7.97000E+00	7.98606E+00	-1.60618E-02
4 ( )	7.74000E+00	7.73879E+00	1.20497E-03
5 ( )	8.00000E+00	7.73879E+00	2.61205E-01
6 ( )	8.28000E+00	7.73879E+00	5.41205E-01
7 ( )	7.52000E+00	7.73879E+00	-2.25622E-01

7 ( )	7.68000E+00	7.73879E+00	-5.01930E-02
8 ( )	7.23000E+00	7.73027E+00	-5.00268E-01
9 ( )	8.15000E+00	7.67058E+00	4.79416E-01
10 ( )	8.90000E+00	7.78569E+00	1.11431E+00
11 ( )	8.87000E+00	7.96048E+00	9.09517E-01
12 ( )	7.84000E+00	7.99459E+00	-1.54588E-01
13 ( )	9.23000E+00	7.99459E+00	1.23541E+00
14 ( )	8.27000E+00	7.99459E+00	2.75413E-01
15 ( )	7.28000E+00	7.64074E+00	-3.60741E-01
16 ( )	8.15000E+00	7.64074E+00	5.09259E-01
17 ( )	7.77000E+00	7.68764E+00	8.23636E-02
18 ( )	6.95000E+00	7.68764E+00	-7.37637E-01
19 ( )	6.97000E+00	8.04575E+00	-1.07575E+00
20 ( )	6.96000E+00	8.04575E+00	-1.08575E+00
21 ( )	7.79000E+00	8.04575E+00	-2.55747E-01
22 ( )	8.18000E+00	7.69190E+00	4.88101E-01
23 ( )	7.69000E+00	7.89653E+00	-2.06534E-01
24 ( )	8.21000E+00	7.88374E+00	3.26256E-01
25 ( )	7.80000E+00	7.74732E+00	5.26791E-02
26 ( )	7.33000E+00	7.90932E+00	-5.79324E-01
27 ( )	8.98000E+00	7.90932E+00	1.07068E+00
28 ( )	7.97000E+00	7.90932E+00	6.06761E-02
29 ( )	8.62000E+00	8.22054E+00	3.99461E-01
30 ( )	8.05000E+00	8.07985E+00	-2.98529E-02
31 ( )	7.68000E+00	7.77716E+00	-9.71642E-02
32 ( )	8.46000E+00	8.19070E+00	2.69304E-01
33 ( )	9.03000E+00	8.32286E+00	7.07144E-01
34 ( )	8.40000E+00	8.32286E+00	7.71437E-02
35 ( )	7.81000E+00	8.32286E+00	-5.12856E-01
36 ( )	8.72000E+00	7.93917E+00	7.80834E-01
37 ( )	8.36000E+00	8.23759E+00	1.22408E-01
38 ( )	6.90000E+00	8.02017E+00	-1.12017E+00
39 ( )	7.23000E+00	7.72174E+00	-4.91742E-01
40 ( )	7.36000E+00	8.26317E+00	-9.03170E-01
41 ( )	7.21000E+00	8.26317E+00	-1.05317E+00
42 ( )	9.33000E+00	8.26317E+00	1.06683E+00
43 ( )	8.00000E+00	8.26317E+00	-2.63170E-01
44 ( )	8.91000E+00	8.51044E+00	3.99563E-01
45 ( )	8.34000E+00	8.09691E+00	2.43094E-01
46 ( )	8.61000E+00	8.50191E+00	1.08088E-01
47 ( )	7.44000E+00	8.07985E+00	-6.39853E-01
48 ( )	7.58000E+00	8.07985E+00	-4.99853E-01
49 ( )	7.34000E+00	8.07985E+00	-7.39853E-01
50 ( )	7.51000E+00	8.02869E+00	-5.18694E-01
51 ( )	8.63000E+00	8.35696E+00	2.73039E-01
52 ( )	8.12000E+00	8.52323E+00	-4.03228E-01
53 ( )	8.87000E+00	8.36975E+00	5.00249E-01
54 ( )	8.93000E+00	8.12675E+00	8.03252E-01
55 ( )	8.84000E+00	8.12675E+00	7.13252E-01
56 ( )	8.79000E+00	8.12675E+00	6.63252E-01
57 ( )	8.09000E+00	8.08838E+00	1.62125E-03
58 ( )	7.48000E+00	8.15659E+00	-6.76590E-01
59 ( )	7.70000E+00	7.66206E+00	3.79429E-02
60 ( )	7.74000E+00	8.07985E+00	-3.39853E-01
61 ( )	9.05000E+00	8.53602E+00	5.13984E-01
62 ( )	9.40000E+00	8.53602E+00	8.63983E-01
63 ( )	8.94000E+00	8.53602E+00	4.03983E-01
64 ( )	9.04000E+00	8.19496E+00	8.45040E-01
65 ( )	8.37000E+00	8.69376E+00	-3.23756E-01
66 ( )	8.92000E+00	8.28875E+00	6.31250E-01
67 ( )	8.31000E+00	8.28875E+00	2.12507E-02
68 ( )	8.50000E+00	8.10970E+00	3.90305E-01
69 ( )	8.45000E+00	8.10970E+00	3.40304E-01
70 ( )	8.02000E+00	8.10970E+00	-8.96950E-02
71 ( )	8.39000E+00	7.56400E+00	8.25997E-01
72 ( )	9.09000E+00	8.25464E+00	8.35356E-01

73 ( )	7.46000E+00	8.57439E+00	-1.11439E+00
74 ( )	7.37000E+00	8.18217E+00	-8.12170E-01
75 ( )	7.44000E+00	7.90932E+00	-4.69324E-01
76 ( )	7.09000E+00	7.90932E+00	-8.19324E-01
77 ( )	8.25000E+00	7.90932E+00	3.40676E-01
78 ( )	7.96000E+00	8.49765E+00	-5.37648E-01
79 ( )	7.78000E+00	8.21628E+00	-4.36275E-01
80 ( )	7.98000E+00	8.52323E+00	-5.43228E-01
81 ( )	7.63000E+00	7.76864E+00	-1.38637E-01
82 ( )	7.60000E+00	7.76864E+00	-1.68637E-01
83 ( )	6.04000E+00	7.76864E+00	-1.72864E+00
84 ( )	6.35000E+00	7.39774E+00	-1.04774E+00
85 ( )	7.62000E+00	7.39774E+00	2.22262E-01
86 ( )	7.32000E+00	8.09691E+00	-7.76906E-01
87 ( )	8.55000E+00	7.70043E+00	8.49574E-01
88 ( )	8.03000E+00	8.10543E+00	-7.54318E-02

STEP-FORWARD

REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

hd4dphz blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.14011E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

8.07462E+00 8.16687E+00

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .9960

ROW NUMBER 2

.9960 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .108968E+05 DEG OF FR = 87 0 COMPUTED = .000000E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

0.00000E+00 9.84737E-01

MULTIPLE CORRELATION COEFFICIENT = .9959865 F VALUE FOR 1 AND 87 DEG OF FR = 10773.090

THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .4596346E+02

PARTIAL CORRELATION COEFFICIENTS

.99599

REGRESSION WEIGHTS

9.84737E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

9.59585E-03

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

0.00000E+00 9.48746E-03

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 7.2465E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 99.199

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW NO) OBSERVED COMPUTED RESIDUAL

*mic comp 1*  
*Tuber obtained*

2	)	8.62000E+00	8.35057E+00	2.69434E-01
3	)	7.97000E+00	7.37789E+00	9.21073E-02
4	)	7.74000E+00	7.30675E+00	4.33254E-01
5	)	8.00000E+00	7.30675E+00	6.93254E-01
6	)	8.28000E+00	7.30675E+00	9.73254E-01
7	)	7.68000E+00	7.30675E+00	3.73254E-01
8	)	7.23000E+00	7.28705E+00	-5.70507E-02
9	)	8.15000E+00	7.14919E+00	1.00081E+00
10	)	8.90000E+00	7.41507E+00	1.48493E+00
11	)	8.27000E+00	7.81881E+00	1.05119E+00
12	)	7.84000E+00	7.89759E+00	-5.75874E-02
13	)	9.23000E+00	7.89759E+00	1.33241E+00
14	)	8.27000E+00	7.89759E+00	3.72413E-01
15	)	7.28000E+00	7.08026E+00	1.99744E-01
16	)	8.15000E+00	7.08026E+00	1.06974E+00
17	)	7.77000E+00	7.18858E+00	5.81423E-01
18	)	6.95000E+00	7.18858E+00	-2.38577E-01
19	)	6.97000E+00	8.01576E+00	-1.04576E+00
20	)	6.96000E+00	8.01576E+00	-1.05576E+00
21	)	7.79000E+00	8.01576E+00	-2.25756E-01
22	)	8.18000E+00	7.19842E+00	9.81576E-01
23	)	7.69000E+00	7.67110E+00	1.89023E-02
24	)	8.21000E+00	7.64156E+00	5.68444E-01
25	)	7.80000E+00	7.32644E+00	4.73560E-01
26	)	7.33000E+00	7.70064E+00	-3.70640E-01
27	)	8.98000E+00	7.70064E+00	1.27936E+00
28	)	7.97000E+00	7.70064E+00	2.69360E-01
29	)	8.62000E+00	8.41950E+00	2.00502E-01
30	)	8.05000E+00	8.09453E+00	-4.45347E-02
31	)	7.68000E+00	7.39537E+00	2.84628E-01
32	)	8.46000E+00	8.35057E+00	1.09434E-01
33	)	9.03000E+00	8.65833E+00	3.74166E-01
34	)	8.40000E+00	8.65833E+00	-2.55833E-01
35	)	7.81000E+00	8.65833E+00	-8.45834E-01
36	)	8.72000E+00	7.76957E+00	9.50429E-01
37	)	8.36000E+00	8.45889E+00	-9.88874E-02
38	)	6.90000E+00	7.95667E+00	-1.05667E+00
39	)	7.23000E+00	7.26736E+00	-3.73559E-02
40	)	7.36000E+00	8.51797E+00	-1.15797E+00
41	)	7.21000E+00	8.51797E+00	-1.30797E+00
42	)	9.33000E+00	8.51797E+00	8.12029E-01
43	)	8.00000E+00	8.51797E+00	-5.17971E-01
44	)	8.91000E+00	9.08912E+00	-1.79116E-01
45	)	8.34000E+00	8.13392E+00	2.06076E-01
46	)	8.61000E+00	9.06942E+00	-4.59424E-01
47	)	7.44000E+00	8.09433E+00	-6.54533E-01
48	)	7.58000E+00	8.09433E+00	-5.14533E-01
49	)	7.34000E+00	8.09433E+00	-7.54533E-01
50	)	7.51000E+00	7.97637E+00	-4.66366E-01
51	)	8.63000E+00	8.73461E+00	-1.04613E-01
52	)	8.12000E+00	9.11866E+00	-9.98661E-01
53	)	8.87000E+00	8.76416E+00	1.05844E-01
54	)	8.93000E+00	8.20286E+00	7.27145E-01
55	)	8.84000E+00	8.20286E+00	6.37145E-01
56	)	8.79000E+00	8.20286E+00	5.87145E-01
57	)	8.09000E+00	8.11423E+00	-2.42290E-02
58	)	7.49000E+00	8.27179E+00	-7.91787E-01
59	)	7.70000E+00	7.12949E+00	5.76308E-01
60	)	7.74000E+00	8.09433E+00	-3.54575E-01
61	)	9.05000E+00	9.14820E+00	-9.82927E-02
62	)	9.40000E+00	9.14820E+00	2.51797E-01
63	)	8.94000E+00	9.14820E+00	-2.08203E-01
64	)	9.04000E+00	8.36041E+00	6.79586E-01
65	)	8.37000E+00	9.51256E+00	-1.14256E+00
66	)	8.92000E+00	8.57704E+00	3.42944E-01
67	)	8.71000E+00	8.57704E+00	2.74575E-01

66 (	)	8.50000E+00	8.16347E+00	3.36534E-01
69 (	)	8.45000E+00	8.16347E+00	2.86533E-01
70 (	)	8.02000E+00	8.16347E+00	-1.43466E-01
71 (	)	8.39000E+00	6.90300E+00	1.48700E+00
72 (	)	9.09000E+00	8.49828E+00	5.91723E-01
73 (	)	7.46000E+00	9.23683E+00	-1.77683E+00
74 (	)	7.37000E+00	8.33087E+00	-9.60872E-01
75 (	)	7.44000E+00	7.70064E+00	-2.60640E-01
76 (	)	7.09000E+00	7.70064E+00	-6.10640E-01
77 (	)	8.25000E+00	7.70064E+00	5.49360E-01
78 (	)	7.96000E+00	9.05958E+00	-1.09958E+00
79 (	)	7.78000E+00	8.40965E+00	-6.29650E-01
80 (	)	7.98000E+00	9.11866E+00	-1.13866E+00
81 (	)	7.63000E+00	7.37568E+00	2.54323E-01
82 (	)	7.60000E+00	7.37568E+00	2.24323E-01
83 (	)	6.04000E+00	7.37568E+00	-1.33568E+00
84 (	)	6.35000E+00	6.51896E+00	-1.68964E-01
85 (	)	7.62000E+00	6.51896E+00	1.10104E+00
86 (	)	7.32000E+00	8.13392E+00	-8.13924E-01
87 (	)	8.55000E+00	7.21812E+00	1.33188E+00
88 (	)	8.03000E+00	8.15362E+00	-1.23619E-01

STEP-FORWARD  
 REGRESSION ANALYSIS  
 USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2  
 SELECTED VARIABLE IDENTIFIERS

headphn hlstphn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.13557E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

6.25573E-01 6.64678E-01

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .2922

ROW NUMBER 2

.2922 1.0000

VARIABLE 2 (hlstphn) ADDED. F = .812308E+01 DEG OF FR = 86 Q COMPUTED = .545379E-02

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

5.59364E+00 3.01411E-01

MULTIPLE CORRELATION COEFFICIENT = .2922250 F VALUE FOR 1 AND 86 DEG OF FR = 8.030

THE PROBABILITY OF THIS F IS : .006

WTD SUM OF RESIDUALS SQUARED = .3739904E+02

PARTIAL CORRELATION COEFFICIENTS

.29222

REGRESSION WEIGHTS

2.92205E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.03126E-01

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

8.68212E-01 1.06766E-01

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.5945E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 8.540

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
1 ( )	8.19000E+00	7.96876E+00	2.21235E-01
2 ( )	8.62000E+00	7.92657E+00	6.93437E-01
3 ( )	7.97000E+00	8.14951E+00	-1.79611E-01
4 ( )	7.74000E+00	8.00493E+00	-2.64934E-01
5 ( )	8.00000E+00	7.93012E+00	1.69885E-01
6 ( )	8.26000E+00	7.83012E+00	4.49884E-01
7 ( )	7.80000E+00	8.27612E+00	-4.97612E-01

MULCOMP 2  
 NOT ENTER  
 ORIGINAL.

7.23000E+00 7.83012E+00 -6.00115E-01  
8.15000E+00 7.82409E+00 3.25913E-01  
9.90000E+00 7.78189E+00 1.11811E+00  
10.87000E+00 7.86327E+00 1.00673E+00  
11.78400E+00 7.98485E+00 -1.46549E-01  
12.9.23000E+00 8.01096E+00 1.21904E+00  
13.8.27000E+00 8.01096E+00 2.59039E-01  
14.7.28000E+00 8.01096E+00 -7.30961E-01  
15.8.15000E+00 7.76079E+00 3.89205E-01  
16.7.77000E+00 7.76079E+00 9.20963E-03  
17.6.95000E+00 7.79395E+00 -8.43946E-01  
18.6.97000E+00 7.79395E+00 -8.23946E-01  
19.6.96000E+00 8.04713E+00 -1.06713E+00  
20.7.79000E+00 8.04713E+00 -2.57132E-01  
21.5.18000E+00 8.04713E+00 1.32869E-01  
22.7.89000E+00 7.79696E+00 -1.06960E-01  
23.8.21000E+00 7.94164E+00 2.68363E-01  
24.7.80000E+00 7.93260E+00 -1.52595E-01  
25.7.33000E+00 7.83614E+00 -8.06144E-01  
26.8.98000E+00 7.95068E+00 1.02932E+00  
27.7.97000E+00 7.95068E+00 1.93200E-02  
28.8.62000E+00 7.95068E+00 6.59320E-01  
29.8.95000E+00 8.17071E+00 -1.20709E-01  
30.7.68000E+00 8.07124E+00 -3.91244E-01  
31.8.46000E+00 7.85724E+00 6.02758E-01  
32.9.03000E+00 8.14961E+00 6.80389E-01  
33.6.40000E+00 8.24305E+00 1.56951E-01  
34.7.81000E+00 8.24305E+00 -4.33049E-01  
35.8.72000E+00 8.24305E+00 4.76952E-01  
36.8.36000E+00 7.97179E+00 3.88221E-01  
37.6.90000E+00 8.18277E+00 -1.28277E+00  
38.7.23000E+00 8.02905E+00 -7.99047E-01  
39.7.36000E+00 7.81806E+00 -4.58058E-01  
40.7.21000E+00 8.20085E+00 -9.90851E-01  
41.9.33000E+00 8.20085E+00 1.12915E+00  
42.8.00000E+00 8.20085E+00 -2.00851E-01  
43.8.91000E+00 8.20085E+00 7.09148E-01  
44.6.34000E+00 8.37567E+00 -3.56693E-02  
45.8.61000E+00 8.08330E+00 5.26699E-01  
46.7.44000E+00 8.36964E+00 -9.29641E-01  
47.7.58000E+00 8.07124E+00 -4.91244E-01  
48.7.34000E+00 8.07124E+00 -7.31244E-01  
49.7.51000E+00 8.07124E+00 -5.61244E-01  
50.8.63000E+00 8.03508E+00 5.94925E-01  
51.8.12000E+00 8.26716E+00 -1.47161E-01  
52.8.67000E+00 8.32471E+00 4.95288E-01  
53.8.93000E+00 8.27620E+00 6.53796E-01  
54.8.84000E+00 8.10440E+00 7.35600E-01  
55.8.79000E+00 8.10440E+00 6.85600E-01  
56.8.09000E+00 8.16440E+00 -1.43995E-02  
57.7.48000E+00 8.07727E+00 -5.97272E-01  
58.7.70000E+00 8.12550E+00 -4.25478E-01  
59.7.74000E+00 7.77585E+00 -3.58610E-02  
60.9.65000E+00 8.07124E+00 9.78756E-01  
61.9.60000E+00 8.39375E+00 1.00625E+00  
62.8.94000E+00 8.39375E+00 5.46246E-01  
63.9.04000E+00 8.39375E+00 5.46246E-01  
64.8.37000E+00 8.15263E+00 2.17375E-01  
65.8.92000E+00 8.50528E+00 4.14723E-01  
66.8.71000E+00 8.21894E+00 9.10645E-02  
67.8.50000E+00 8.21894E+00 2.81064E-01  
68.6.43000E+00 8.09234E+00 7.57657E-01  
69.8.02000E+00 8.09234E+00 -7.23419E-02  
70.8.39000E+00 8.09234E+00 2.97656E-01  
71.8.19000E+00 7.76664E+00 1.76246E+00

73 ( )	7.48000E+00	8.17982E+00	-7.34822E-01
74 ( )	7.37000E+00	8.42088E+00	-1.05088E+00
75 ( )	7.44000E+00	8.14358E+00	-7.03583E-01
76 ( )	7.09000E+00	7.95068E+00	-8.60680E-01
77 ( )	6.25000E+00	7.95068E+00	2.99320E-01
78 ( )	7.96000E+00	7.95068E+00	9.32026E-03
79 ( )	7.78000E+00	8.36663E+00	-5.86627E-01
80 ( )	7.98000E+00	8.16770E+00	-1.87696E-01
81 ( )	7.63000E+00	8.38471E+00	-7.54712E-01
82 ( )	7.60000E+00	7.85121E+00	-2.51214E-01
83 ( )	6.04000E+00	7.85121E+00	-1.81121E+00
84 ( )	6.35000E+00	7.85121E+00	-1.50121E+00
85 ( )	7.82000E+00	7.58899E+00	3.10140E-02
86 ( )	7.32000E+00	7.58899E+00	-2.68986E-01
87 ( )	8.53000E+00	8.08330E+00	4.66700E-01
88 ( )	8.03000E+00	7.80299E+00	2.27012E-01

STEP-FORWARD  
REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbzn b1stpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

E.04580E+00 E.13557E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

E.07462E+00 E.16237E+00

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .9952

ROW NUMBER 2

.9952 1.0000

VARIABLE 2 (b1stpbzn) ADDED. F = .901757E+04 DEG OF FR = 87 S COMPUTED = .000000E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

0.00000E+00 9.84458E-01

MULTIPLE CORRELATION COEFFICIENT = .9951560 F VALUE FOR 1 AND 87 DEG OF FR = 8915.096

THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .5543012E+02

PARTIAL CORRELATION COEFFICIENTS

.99516

REGRESSION WEIGHTS

9.95156E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.05397E-02

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

0.00000E+00 1.04264E-02

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 7.9835E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 99.034

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW NO) OBSERVED COMPUTED RESIDUAL

1 1 3.1900E+00 7.7575E+00 4.3247E-01

*mic cont 2  
TINNY ORIGINAL*

2 ( ) 8.62000E+00 7.61970E+00 1.00030E+00  
3 ( ) 7.87000E+00 8.34820E+00 -3.78202E-01  
4 ( ) 7.74000E+00 7.87566E+00 -1.35663E-01  
5 ( ) 8.00000E+00 7.30468E+00 6.95323E-01  
6 ( ) 8.28000E+00 7.30468E+00 9.75323E-01  
7 ( ) 7.68000E+00 7.30468E+00 3.75323E-01  
8 ( ) 7.23000E+00 7.30468E+00 -7.46770E-02  
9 ( ) 8.15000E+00 7.28499E+00 8.65012E-01  
10 ( ) 8.90000E+00 7.14716E+00 1.75284E+00  
11 ( ) 8.87000E-00 7.41297E+00 1.43703E+00  
12 ( ) 7.84000E+00 7.81660E+00 2.34051E-02  
13 ( ) 9.23000E+00 7.89535E+00 1.33465E+00  
14 ( ) 8.27000E+00 7.89535E+00 3.74649E-01  
15 ( ) 7.28000E+00 7.89535E+00 -6.15332E-01  
16 ( ) 8.15000E+00 7.07825E+00 1.07175E+00  
17 ( ) 7.77000E+00 7.07825E+00 6.91749E-01  
18 ( ) 6.95000E+00 7.18654E+00 -2.35542E-01  
19 ( ) 6.97000E+00 7.18654E+00 -2.16542E-01  
20 ( ) 6.86000E+00 8.01349E+00 -1.05349E+00  
21 ( ) 7.79000E+00 8.01349E+00 -2.23487E-01  
22 ( ) 8.18000E+00 8.01349E+00 1.66513E-01  
23 ( ) 7.69000E+00 7.19639E+00 4.93614E-01  
24 ( ) 8.21000E+00 7.66893E+00 5.41074E-01  
25 ( ) 7.80000E+00 7.63939E+00 1.60607E-01  
26 ( ) 7.33000E+00 7.32437E+00 5.63383E-03  
27 ( ) 8.98000E+00 7.69846E+00 1.28154E+00  
28 ( ) 7.97000E+00 7.69846E+00 2.71540E-01  
29 ( ) 8.62000E+00 7.69846E+00 9.21540E-01  
30 ( ) 8.05000E+00 8.41711E+00 -3.67114E-01  
31 ( ) 7.68000E+00 8.09224E+00 -4.12243E-01  
32 ( ) 8.46000E+00 7.39328E+00 1.06672E+00  
33 ( ) 9.03000E+00 8.34820E+00 6.81798E-01  
34 ( ) 8.40000E+00 8.65338E+00 -2.53385E-01  
35 ( ) 7.81000E+00 8.65338E+00 -6.43384E-01  
36 ( ) 8.72000E+00 8.65338E+00 6.66161E-02  
37 ( ) 8.36000E+00 7.76737E+00 3.92628E-01  
38 ( ) 6.90000E+00 8.45649E+00 -1.55649E+00  
39 ( ) 7.23000E+00 7.95442E+00 -7.24419E-01  
40 ( ) 7.36000E+00 7.26530E+00 9.47013E-02  
41 ( ) 7.21000E+00 8.51556E+00 -1.30556E+00  
42 ( ) 8.33000E+00 8.51556E+00 8.14441E-01  
43 ( ) 8.00000E+00 8.51556E+00 -5.15559E-01  
44 ( ) 8.91000E+00 8.51556E+00 3.94441E-01  
45 ( ) 8.34000E+00 9.08654E+00 -7.46545E-01  
46 ( ) 8.61000E+00 8.13162E+00 4.78378E-01  
47 ( ) 7.44000E+00 9.06686E+00 -1.62686E+00  
48 ( ) 7.58000E+00 8.09224E+00 -5.12243E-01  
49 ( ) 7.34000E+00 8.09224E+00 -7.52243E-01  
50 ( ) 7.51000E+00 8.09224E+00 -5.82243E-01  
51 ( ) 8.63000E+00 7.97411E+00 6.55891E-01  
52 ( ) 8.12000E+00 8.73214E+00 -6.12141E-01  
53 ( ) 8.87000E+00 9.11608E+00 -2.46079E-01  
54 ( ) 8.93000E+00 8.76167E+00 1.65326E-01  
55 ( ) 8.84000E+00 8.20053E+00 6.39467E-01  
56 ( ) 8.79000E+00 8.20053E+00 5.89467E-01  
57 ( ) 8.09000E+00 8.20053E+00 -1.10533E-01  
58 ( ) 7.48000E-00 8.11153E+00 -6.31973E-01  
59 ( ) 7.70000E+00 8.26945E+00 -5.69446E-01  
60 ( ) 7.74000E+00 7.12747E+00 6.12525E-01  
61 ( ) 9.05000E-00 8.05224E+00 9.67737E-01  
62 ( ) 9.40000E+00 9.14561E+00 2.54337E-01  
63 ( ) 8.94000E+00 9.14561E+00 -2.05613E-01  
64 ( ) 9.04000E+00 9.14561E+00 -1.05613E-01  
65 ( ) 8.37000E+00 8.35805E+00 1.19534E-02  
66 ( ) 8.92000E+00 9.50986E+00 -5.89862E-01  
67 ( ) 8.71000E+00 9.50986E+00 -5.15077E-01

68 (	)	8.50000E+00	8.57463E+00	-7.46269E-02
69 (	)	8.45000E+00	8.16115E+00	2.98845E-01
70 (	)	8.02000E+00	8.16115E+00	-1.41154E-01
71 (	)	8.39000E+00	8.16115E+00	2.28846E-01
72 (	)	9.09000E+00	8.90105E+00	2.18895E+00
73 (	)	7.46000E+00	8.49587E+00	-1.03587E+00
74 (	)	7.37000E+00	9.23421E+00	-1.86421E+00
75 (	)	7.44000E+00	8.32851E+00	-8.86813E-01
76 (	)	7.09000E+00	7.69846E+00	-6.08460E-01
77 (	)	8.25000E+00	7.49846E+00	5.51540E-01
78 (	)	7.96000E+00	7.69846E+00	2.61540E-01
79 (	)	7.76000E+00	9.05701E+00	-1.27701E+00
80 (	)	7.98000E+00	8.40727E+00	-4.27269E-01
81 (	)	7.63000E+00	9.11609E+00	-1.48109E+00
82 (	)	7.60000E+00	7.37359E+00	2.26411E-01
83 (	)	6.04000E+00	7.37359E+00	-1.33359E+00
84 (	)	6.35000E+00	7.37359E+00	-1.02359E+00
85 (	)	7.82000E+00	6.51711E+00	1.10289E+00
86 (	)	7.32000E+00	6.51711E+00	8.02890E-01
87 (	)	8.55000E+00	8.13162E+00	4.18379E-01
88 (	)	8.03000E+00	7.21608E+00	8.13924E-01

STEP-FORWARD  
 REGRESSION ANALYSIS  
 USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2  
 SELECTED VARIABLE IDENTIFIERS

headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.14182E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

6.85573E-01 6.59583E-01

CORRELATION MATRIX

ROW NUMBER 1  
 1.0000 .2547  
 ROW NUMBER 2  
 .2547 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .693410E+01 DEG OF FR = 86 @ COMPUTED = .160189E-01

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

5.89058E+00 2.64710E-01

MULTIPLE CORRELATION COEFFICIENT = .2546743 F VALUE FOR 1 AND 86 DEG OF FR = 3.965  
 THE PROBABILITY OF THIS F IS : .017

WD SUM OF RESIDUALS SQUARED = .3823879E+02

PARTIAL CORRELATION COEFFICIENTS

.25467

REGRESSION WEIGHTS

2.54674E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.04277E-01

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

8.85319E-01 1.08386E-01

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.6681E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 4.466

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
1 ( )	8.19000E+00	7.77449E+00	2.13510E-01
2 ( )	8.62000E+00	7.77449E+00	6.47510E-01
3 ( )	7.97000E+00	7.93943E+00	3.05651E-02
4 ( )	7.74000E+00	8.13532E+00	-3.95316E-01
5 ( )	8.00000E+00	8.00226E+00	-8.25500E-03
6 ( )	8.28000E+00	7.85472E+00	4.25276E-01
7 ( )	7.48000E+00	7.85472E+00	-1.74726E-01

MIC-COMPL 3  
 NOT TYPED DESIGN

7	7.28000E+00	7.85472E+00	-1.74724E-01
8	7.23000E+00	7.85472E+00	-6.24724E-01
9	8.15000E+00	7.85472E+00	2.95276E-01
10	8.90000E+00	7.84943E+00	1.05057E+00
11	8.87000E+00	7.81237E+00	1.05763E+00
12	7.84000E+00	7.86384E+00	-4.38414E-02
13	9.23000E+00	7.99237E+00	1.23763E+00
14	8.27000E+00	8.01355E+00	2.54451E-01
15	7.28000E+00	8.01355E+00	-7.33550E-01
16	8.15000E+00	8.01355E+00	1.34450E-01
17	7.77000E+00	7.79384E+00	-2.38404E-02
18	6.95000E+00	7.79384E+00	-8.43241E-01
19	6.97000E+00	7.82296E+00	-8.52959E-01
20	6.96000E+00	7.82296E+00	-8.62958E-01
21	7.79000E+00	8.04531E+00	-2.55315E-01
22	8.18000E+00	8.04531E+00	1.34686E-01
23	7.69000E+00	8.04531E+00	-3.55315E-01
24	8.21000E+00	7.82561E+00	3.84395E-01
25	7.80000E+00	7.95267E+00	-1.52666E-01
26	7.33000E+00	7.94473E+00	-6.14725E-01
27	8.98000E+00	7.86002E+00	1.11998E+00
28	7.97000E+00	7.96061E+00	9.39226E-03
29	6.62000E+00	7.96061E+00	6.59392E-01
30	8.05000E+00	7.96061E+00	8.93927E-02
31	7.68000E+00	8.15385E+00	-4.73846E-01
32	8.46000E+00	8.06649E+00	3.93509E-01
33	9.03000E+00	7.87855E+00	1.15145E+00
34	8.40000E+00	8.13532E+00	2.64684E-01
35	7.81000E+00	8.21738E+00	-4.07376E-01
36	8.72000E+00	8.21738E+00	5.02625E-01
37	8.36000E+00	8.21738E+00	1.42624E-01
38	6.90000E+00	7.97914E+00	-1.07914E+00
39	7.23000E+00	8.16443E+00	-9.34434E-01
40	7.36000E+00	8.02943E+00	-6.69432E-01
41	7.21000E+00	7.84414E+00	-6.34135E-01
42	8.33000E+00	8.18032E+00	1.14968E+00
43	8.00000E+00	8.18032E+00	-1.80317E-01
44	8.91000E+00	8.18032E+00	7.29683E-01
45	8.34000E+00	8.18032E+00	1.59683E-01
46	8.61000E+00	8.33385E+00	2.74152E-01
47	7.44000E+00	8.07708E+00	-6.37080E-01
48	7.58000E+00	8.32855E+00	-7.48554E-01
49	7.34000E+00	8.06649E+00	-7.26491E-01
50	7.51000E+00	8.06649E+00	-5.56491E-01
51	8.63000E+00	8.06649E+00	5.63509E-01
52	8.12000E+00	8.03473E+00	8.52737E-02
53	8.87000E+00	8.23855E+00	6.31448E-01
54	8.93000E+00	8.34179E+00	5.85211E-01
55	8.84000E+00	8.24649E+00	5.93506E-01
56	8.78000E+00	8.09561E+00	6.94390E-01
57	8.09000E+00	8.09561E+00	-5.60951E-03
58	7.48000E+00	8.09561E+00	-6.15610E-01
59	7.70000E+00	8.07178E+00	-3.71785E-01
60	7.74000E+00	8.11414E+00	-3.74140E-01
61	9.05000E+00	7.80708E+00	1.24292E+00
62	9.40000E+00	8.06649E+00	1.33351E+00
63	8.94000E+00	8.34973E+00	5.96269E-01
64	8.04000E+00	8.34973E+00	5.90269E-01
65	8.37000E+00	8.34973E+00	5.02694E-02
66	8.92000E+00	8.13756E+00	7.80038E-01
67	8.51000E+00	8.44767E+00	-1.57570E-01
68	8.50000E+00	8.19620E+00	3.03301E-01
69	8.45000E+00	8.19620E+00	5.33500E-01
70	8.02000E+00	8.08502E+00	-6.50204E-02
71	8.39000E+00	8.08502E+00	2.04976E-01
72	8.08000E+00	8.08502E+00	1.06488E+00

73 ( )	7.78000E+00	7.779817E+00	-2.782173E-01
74 ( )	7.37000E+00	8.17502E+00	-8.05022E-01
75 ( )	7.44000E+00	8.37355E+00	-9.33534E-01
76 ( )	7.09000E+00	8.13002E+00	-1.04002E+00
77 ( )	8.25000E+00	7.96061E+00	2.89392E-01
78 ( )	7.96000E+00	7.96061E+00	-6.07491E-04
79 ( )	7.78000E+00	7.96061E+00	-1.80607E-01
80 ( )	7.98000E+00	8.32591E+00	-3.45907E-01
81 ( )	7.63000E+00	8.15120E+00	-5.21198E-01
82 ( )	7.60000E+00	8.34179E+00	-7.41789E-01
83 ( )	6.04000E+00	7.87325E+00	-1.83325E+00
84 ( )	6.35000E+00	7.87325E+00	-1.32325E+00
85 ( )	7.62000E+00	7.87325E+00	-2.53253E-01
86 ( )	7.32000E+00	7.64296E+00	-3.22956E-01
87 ( )	8.55000E+00	7.64296E+00	9.07044E-01
88 ( )	8.03000E+00	8.07708E+00	-4.70800E-02

STEP-FORWARD  
REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04580E+00 8.14182E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

8.07462E+00 8.16819E+00

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .9949

ROW NUMBER 2

.9949 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .862877E+04 DEG OF FR = 87 & COMPUTED = .596046E-07

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

0.00000E+00 9.83542E-01

MULTIPLE CORRELATION COEFFICIENT = .9949394 F VALUE FOR 1 AND 87 DEG OF FR = 8630.721  
THE PROBABILITY OF THIS F IS : .000

WTD SUM OF RESIDUALS SQUARED = .5792336E+02

PARTIAL CORRELATION COEFFICIENTS

.99494

REGRESSION WEIGHTS

9.94937E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.07722E-02

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

0.00000E+00 1.06468E-02

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 8.1696E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 98.990

MIC-55M1P3  
THRU ORIGIN

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW NO. 12 OBSERVED COMPUTED RESIDUAL

1 ( ) 8.17000E+00 7.73031E+00 9.37887E-01  
2 ( ) 8.62000E+00 7.75031E+00 8.69688E-01  
3 ( ) 7.97000E+00 7.61262E+00 3.57384E-01  
4 ( ) 7.74000E+00 8.34044E+00 -6.00437E-01  
5 ( ) 8.00000E+00 7.86834E+00 1.31663E-01  
6 ( ) 8.28000E+00 7.29788E+00 9.82117E-01  
7 ( ) 7.68000E+00 7.29788E+00 3.92117E-01  
8 ( ) 7.23000E+00 7.29788E+00 -6.78825E-02  
9 ( ) 8.15000E+00 7.29788E+00 6.52117E-01  
10 ( ) 8.90000E+00 7.27821E+00 1.62179E+00  
11 ( ) 8.87000E+00 7.14052E+00 1.72948E+00  
12 ( ) 7.84000E+00 7.46607E+00 4.33928E-01  
13 ( ) 9.23000E+00 7.80932E+00 1.42067E+00  
14 ( ) 8.27000E+00 7.88801E+00 3.81992E-01  
15 ( ) 7.28000E+00 7.88801E+00 -6.08008E-01  
16 ( ) 8.15000E+00 7.88801E+00 2.61991E-01  
17 ( ) 7.77000E+00 7.07167E+00 6.98332E-01  
18 ( ) 6.95000E+00 7.07167E+00 -1.21668E-01  
19 ( ) 6.97000E+00 7.17986E+00 -2.09898E-01  
20 ( ) 6.96000E+00 7.17986E+00 -2.19858E-01  
21 ( ) 7.79000E+00 8.00603E+00 -2.16033E-01  
22 ( ) 8.18000E+00 8.00603E+00 1.73967E-01  
23 ( ) 7.69000E+00 8.00603E+00 -3.16033E-01  
24 ( ) 8.21000E+00 7.18969E+00 1.02031E+00  
25 ( ) 7.80000E+00 7.66179E+00 1.38207E-01  
26 ( ) 7.33000E+00 7.63229E+00 -3.02288E-01  
27 ( ) 8.95000E+00 7.31755E+00 1.66245E+00  
28 ( ) 7.97000E+00 7.69130E+00 2.78700E-01  
29 ( ) 8.62000E+00 7.69130E+00 9.28700E-01  
30 ( ) 8.05000E+00 7.69130E+00 3.58700E-01  
31 ( ) 7.68000E+00 8.40929E+00 -7.29286E-01  
32 ( ) 8.46000E+00 8.08472E+00 3.75283E-01  
33 ( ) 9.03000E+00 7.38640E+00 1.64360E+00  
34 ( ) 8.40000E+00 8.34044E+00 5.95627E-02  
35 ( ) 7.81000E+00 8.64534E+00 -8.35335E-01  
36 ( ) 8.72000E+00 8.64534E+00 7.46651E-02  
37 ( ) 8.36000E+00 8.64534E+00 -2.85336E-01  
38 ( ) 6.90000E+00 7.76015E+00 -8.60147E-01  
39 ( ) 7.23000E+00 8.44863E+00 -1.21863E+00  
40 ( ) 7.36000E+00 7.94702E+00 -8.87020E-01  
41 ( ) 7.21000E+00 7.25854E+00 -4.85411E-02  
42 ( ) 9.33000E+00 8.50764E+00 8.22361E-01  
43 ( ) 8.00000E+00 8.50764E+00 -5.07639E-01  
44 ( ) 8.91000E+00 8.50764E+00 4.02361E-01  
45 ( ) 8.34000E+00 8.50764E+00 -1.67639E-01  
46 ( ) 8.61000E+00 9.07809E+00 -4.68094E-01  
47 ( ) 7.44000E+00 8.12406E+00 -6.84859E-01  
48 ( ) 7.58000E+00 9.05842E+00 -1.47842E+00  
49 ( ) 7.34000E+00 8.08472E+00 -7.44717E-01  
50 ( ) 7.51000E+00 8.08472E+00 -5.74717E-01  
51 ( ) 8.63000E+00 8.08472E+00 5.45283E-01  
52 ( ) 8.12000E+00 7.96669E+00 1.53308E-01  
53 ( ) 8.87000E+00 8.72402E+00 1.45981E-01  
54 ( ) 8.93000E+00 9.10760E+00 -1.77600E-01  
55 ( ) 8.64000E+00 8.75352E+00 8.64754E-02  
56 ( ) 8.79000E+00 8.19291E+00 5.97094E-01  
57 ( ) 8.09000E+00 8.19291E+00 -1.02906E-01  
58 ( ) 7.48000E+00 8.19291E+00 -7.12906E-01  
59 ( ) 7.70000E+00 8.19439E+00 -4.04387E-01  
60 ( ) 7.74000E+00 8.26175E+00 -8.21754E-01  
61 ( ) 9.05000E+00 7.12084E+00 1.92916E+00  
62 ( ) 8.40000E+00 8.08472E+00 1.31528E+00  
63 ( ) 8.94000E+00 9.13711E+00 -1.97107E-01  
64 ( ) 9.04000E+00 9.13711E+00 -9.71049E-02  
65 ( ) 8.37000E+00 9.13711E+00 -7.67107E-01  
66 ( ) 8.92000E+00 8.35027E+00 2.69725E-01

67 ( )	8.31000E+00	7.30102E+00	-1.17102E+00
68 ( )	8.50000E+00	8.56665E+00	-6.66523E-02
69 ( )	8.45000E+00	8.56665E+00	-1.16652E-01
70 ( )	8.02000E+00	8.15356E+00	-1.33544E-01
71 ( )	8.39000E+00	8.15356E+00	2.36436E-01
72 ( )	9.09000E+00	8.15356E+00	9.36436E-01
73 ( )	7.46000E+00	6.89463E+00	5.65370E-01
74 ( )	7.37000E+00	8.48797E+00	-1.11797E+00
75 ( )	7.44000E+00	9.22563E+00	-1.78562E+00
76 ( )	7.09000E+00	8.32077E+00	-1.23077E+00
77 ( )	8.25000E+00	7.69130E+00	5.58700E-01
78 ( )	7.56000E+00	7.69130E+00	2.68700E-01
79 ( )	7.78000E+00	7.69130E+00	8.87003E-02
80 ( )	7.98000E+00	9.04859E+00	-1.06859E+00
81 ( )	7.63000E+00	8.39945E+00	-7.69450E-01
82 ( )	7.60000E+00	9.10760E+00	-1.50760E+00
83 ( )	6.04000E+00	7.36673E+00	-1.32673E+00
84 ( )	6.35000E+00	7.36673E+00	-1.01673E+00
85 ( )	7.62000E+00	7.36673E+00	2.53270E-01
86 ( )	7.32000E+00	6.51105E+00	5.08951E-01
87 ( )	8.55000E+00	6.51105E+00	2.03895E+00
88 ( )	8.03000E+00	8.12406E+00	-9.40590E-02

STEP-FORWARD  
 REGRESSION ANALYSIS  
 USGS STATPAC

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES  
 1 2  
 SELECTED VARIABLE IDENTIFIERS  
 headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES  
 8.04580E+00 8.13750E+00  
 STANDARD DEVIATIONS OF SELECTED VARIABLES  
 6.85573E-01 6.60044E-01  
 CORRELATION MATRIX  
 ROW NUMBER 1  
 1.0000 .0715  
 ROW NUMBER 2  
 .0715 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .446935E+00 DEG OF FR = 86 Q COMPUTED = .505362E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.  
 7.44158E+00 7.42563E-02

MULTIPLE CORRELATION COEFFICIENT = .0714911 F VALUE FOR 1 AND 66 DEG OF FR = .442  
 THE PROBABILITY OF THIS F IS : .508

WTG SUM OF RESIDUALS SQUARED = .4068195E+02

PARTIAL CORRELATION COEFFICIENTS  
 .07149

REGRESSION WEIGHTS  
 7.14911E-02

STANDARD ERRORS OF REGRESSION WEIGHTS  
 1.07557E-01

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS  
 9.12049E-01 1.11717E-01

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 6.8778E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = .511

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES  
 ROW (ROW ID) OBSERVED COMPUTED RESIDUAL

ROW (ROW ID)	OBSERVED	COMPUTED	RESIDUAL
1 ( )	8.19000E+00	8.02667E+00	1.63325E-01
2 ( )	8.62000E+00	8.02667E+00	5.93326E-01
3 ( )	7.97000E+00	8.02667E+00	-5.66745E-02
4 ( )	7.74000E+00	8.01628E+00	-2.76278E-01
5 ( )	8.00000E+00	8.07123E+00	-7.12280E-02
6 ( )	8.28000E+00	8.07555E+00	2.44414E-01
7 ( )	7.68000E+00	7.99528E+00	-3.12517E-01

*Miscorrel*  
*NOT TYPED ORIGIN*

7.25000E+00 7.77122E+00 7.11131E-01  
8 ( ) 7.23000E+00 7.79252E+00 -7.62516E-01  
9 ( ) 8.15000E+00 7.99252E+00 1.57483E-01  
10 ( ) 8.90000E+00 7.99252E+00 9.07483E-01  
11 ( ) 6.67000E+00 7.97103E+00 8.78959E-01  
12 ( ) 7.84000E+00 7.96044E+00 -1.40635E-01  
13 ( ) 9.23000E+00 8.00068E+00 1.22931E+00  
14 ( ) 8.27000E+00 8.03113E+00 2.38871E-01  
15 ( ) 7.28000E+00 8.03707E+00 -7.57070E-01  
16 ( ) 8.15000E+00 8.03707E+00 1.12329E-01  
17 ( ) 7.77000E+00 8.03707E+00 -2.67070E-01  
18 ( ) 6.95000E+00 7.97544E+00 -1.02544E+00  
19 ( ) 6.37000E+00 7.97544E+00 -1.00544E+00  
20 ( ) 6.96000E+00 7.98361E+00 -1.02361E+00  
21 ( ) 7.79000E+00 7.98361E+00 -1.93606E-01  
22 ( ) 8.18000E-00 8.04598E+00 1.34020E-01  
23 ( ) 7.67000E+00 8.04598E+00 -3.53980E-01  
24 ( ) 8.21000E+00 8.04598E+00 1.64020E-01  
25 ( ) 7.80000E+00 7.98435E+00 -1.84346E-01  
26 ( ) 7.35000E+00 8.01999E+00 -6.89991E-01  
27 ( ) 8.98000E+00 8.01776E+00 9.62236E-01  
28 ( ) 7.97000E+00 7.99900E+00 -2.40016E-02  
29 ( ) 8.62000E+00 8.02222E+00 5.97781E-01  
30 ( ) 8.05000E+00 8.02222E+00 2.77815E-02  
31 ( ) 7.63000E+00 8.02222E+00 -3.42219E-01  
32 ( ) 8.46000E+00 8.07643E+00 3.83574E-01  
33 ( ) 9.03000E+00 8.05192E+00 9.78078E-01  
34 ( ) 8.40000E+00 7.99920E+00 4.00800E-01  
35 ( ) 7.61000E+00 8.07123E+00 -2.61228E-01  
36 ( ) 8.72000E+00 8.09425E+00 6.25752E-01  
37 ( ) 8.36000E+00 8.09425E+00 2.63752E-01  
38 ( ) 6.90000E+00 8.09425E+00 -1.19425E+00  
39 ( ) 7.23000E+00 8.02742E+00 -7.97417E-01  
40 ( ) 7.36000E+00 8.07940E+00 -7.19396E-01  
41 ( ) 7.21000E+00 8.04153E+00 -2.31526E-01  
42 ( ) 5.33000E+00 7.98555E+00 1.34045E+00  
43 ( ) 8.00000E+00 8.08385E+00 -2.38518E-02  
44 ( ) 8.91000E+00 8.08385E+00 8.26148E-01  
45 ( ) 8.34000E+00 8.08385E+00 2.56148E-01  
46 ( ) 8.61000E+00 8.08385E+00 5.26148E-01  
47 ( ) 7.44000E+00 8.12692E+00 -6.86921E-01  
48 ( ) 7.58000E+00 8.05489E+00 -4.74892E-01  
49 ( ) 7.34000E+00 8.12543E+00 -7.23435E-01  
50 ( ) 7.51000E+00 8.05192E+00 -5.41922E-01  
51 ( ) 8.65000E+00 8.05192E+00 3.78078E-01  
52 ( ) 8.12000E+00 8.05192E-00 6.80780E-02  
53 ( ) 8.27000E+00 8.04301E+00 8.26989E-01  
54 ( ) 8.93000E-00 8.10019E+00 8.29812E-01  
55 ( ) 8.84000E+00 8.12915E+00 7.10833E-01  
56 ( ) 8.79000E-00 8.10242E+00 6.87584E-01  
57 ( ) 8.09000E+00 8.06009E+00 2.99110E-02  
58 ( ) 7.48000E+00 8.06009E+00 -5.80089E-01  
59 ( ) 7.70000E+00 8.06009E+00 -3.60089E-01  
60 ( ) 7.74000E+00 8.05341E+00 -3.13407E-01  
61 ( ) 9.03000E+00 8.06329E+00 9.64713E-01  
62 ( ) 7.40000E+00 7.97915E+00 1.42085E-00  
63 ( ) 8.94000E+00 8.05192E+00 8.88078E-01  
64 ( ) 9.04000E-00 8.13132E+00 9.08423E-01  
65 ( ) 8.37000E+00 8.13132E+00 2.38625E-01  
66 ( ) 5.92000E+00 8.13132E+00 7.88525E-01  
67 ( ) 8.31000E+00 8.07197E+00 2.38015E-01  
68 ( ) 8.50000E+00 8.15885E+00 3.41149E-01  
69 ( ) 8.45000E+00 8.06831E+00 3.61192E-01  
70 ( ) 8.02000E+00 8.06831E+00 -6.83049E-02  
71 ( ) 8.39000E-00 8.05712E+00 2.22812E-01  
72 ( ) 8.03000E-01 8.05712E+00 1.07285E-01

# CURRAGH RESOURCES

Sample Assay Sheet

Production Date:

Feb. 08 '91

Sample Origin:

Undergrounds

	Sample Number	Pb	Zn	Fe	Ag	Cu				
1	222917	0.84	1.78	3.36	18	/				
2	222926	4.98	9.23	33.5	60	/				
3	222928	6.02	8.36	37.5	50	/				
4	222929	0.08	0.09	3.85	< 0	-				
5	222937	2.25	4.43	10.1	25	/				
6	222938	6.11	8.16	33.4	85	/				
7	222939	1.37	4.24	11.2	20	/				
8	222942	1.50	3.77	14.6	30	/				
9	222944	0.09	0.13	3.99	5	/				
10	222947	4.22	7.62	40.1	45	/				
11	222948	5.90	6.79	36.4	63	/				
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

*Woodall*

*J. Lomen*

STEP-FORWARD

REGRESSION ANALYSIS

USGS STATPAC

WARNING...WHEN THE EQUATION IS FORCED THRU THE ORIGIN  
ALL STD DEVIATIONS AND CORRELATIONS ARE COMPUTED ABOUT  
THE ORIGIN RATHER THAN THE MEAN

NUMBER OF SELECTED VARIABLES = 2

SELECTED VARIABLE INDICES

1 2

SELECTED VARIABLE IDENTIFIERS

headpbzn blstpbzn

PROBABILITY LEVEL = 1.000

MEANS OF SELECTED VARIABLES

8.04820E+00 8.13750E+00

STANDARD DEVIATIONS OF SELECTED VARIABLES

8.07442E+00 8.16392E+00

CORRELATION MATRIX

ROW NUMBER 1

1.0000 .9937

ROW NUMBER 2

.9937 1.0000

VARIABLE 2 (blstpbzn) ADDED. F = .690731E+04 DEG OF FR = 87 0 COMPUTED = .000000E+00

REGRESSION CONSTANT AND COEFFICIENTS IN THE ORDER OF VARIABLE NO.

0.00000E+00 9.82821E-01

MULTIPLE CORRELATION COEFFICIENT = .9936902 F VALUE FOR 1 AND 87 DEG OF FR = 6828.850

THE PROBABILITY OF THIS F IS : .000

WTO SUM OF RESIDUALS SQUARED = .7217729E+02

PARTIAL CORRELATION COEFFICIENTS

.99369

REGRESSION WEIGHTS

9.93690E-01

STANDARD ERRORS OF REGRESSION WEIGHTS

1.20248E-02

STANDARD ERRORS OF REGRESSION CONSTANT AND REGRESSION COEFFICIENTS

0.00000E+00 1.18932E-02

STANDARD ERROR OF THE ESTIMATE OF THE DEPENDENT VARIABLE = 9.1084E-01

PERCENT OF TOTAL SUMS OF SQUARES OF DEPENDENT VARIABLE EXPLAINED = 98.742

LIST OF OBSERVED, COMPUTED, AND RESIDUAL VALUES

ROW (ROW ID) OBSERVED COMPUTED RESIDUAL

1 1 8.13750E+00 7.74463E+00 4.49287E-01

*Microcomp 4  
Tape output*

2	)	8.62000E+00	7.74463E+00	8.75373E-01
3	)	7.97000E+00	7.74463E+00	2.25373E-01
4	)	7.74000E+00	7.69793E+00	1.32966E-01
5	)	8.00000E+00	8.33432E+00	-3.34316E-01
6	)	8.26000E+00	7.86257E+00	4.17435E-01
7	)	7.68000E+00	7.29253E+00	3.87471E-01
8	)	7.23000E+00	7.29253E+00	-6.25291E-02
9	)	8.15000E+00	7.29253E+00	8.57471E-01
10	)	8.90000E+00	7.29253E+00	1.60747E+00
11	)	8.87000E+00	7.27287E+00	1.59713E+00
12	)	7.84000E+00	7.13528E+00	7.04722E-01
13	)	9.23000E+00	7.40064E+00	1.82936E+00
14	)	8.27000E+00	7.80360E+00	4.66404E-01
15	)	7.28000E+00	7.88222E+00	-6.02221E-01
16	)	8.15000E+00	7.88222E+00	2.67778E-01
17	)	7.77000E+00	7.88222E+00	-1.12222E-01
18	)	8.95000E+00	7.06648E+00	-1.16480E-01
19	)	8.97000E+00	7.06648E+00	-9.64804E-02
20	)	8.96000E+00	7.17459E+00	-2.14591E-01
21	)	7.79000E+00	7.17459E+00	6.15409E-01
22	)	8.18000E+00	8.00016E+00	1.79840E-01
23	)	7.69000E+00	8.00016E+00	-3.10160E-01
24	)	8.21000E+00	8.00016E+00	2.09840E-01
25	)	7.80000E+00	7.18442E+00	6.15582E-01
26	)	7.33000E+00	7.45617E+00	-3.26173E-01
27	)	8.98000E+00	7.62669E+00	1.35331E+00
28	)	7.97000E+00	7.31219E+00	6.57814E-01
29	)	8.62000E+00	7.68566E+00	9.34342E-01
30	)	8.05000E+00	7.68566E+00	3.64343E-01
31	)	7.68000E+00	7.68566E+00	-5.63767E-03
32	)	8.46000E+00	8.40312E+00	5.68638E-02
33	)	9.03000E+00	8.07879E+00	9.51214E-01
34	)	8.40000E+00	7.38098E+00	1.01902E+00
35	)	7.81000E+00	8.33432E+00	-5.24318E-01
36	)	8.72000E+00	8.63899E+00	8.10070E-02
37	)	8.36000E+00	8.63899E+00	-2.78994E-01
38	)	8.90000E+00	8.63899E+00	-1.73899E+00
39	)	7.23000E+00	7.75443E+00	-5.24435E-01
40	)	7.36000E+00	8.44243E+00	-1.08243E+00
41	)	7.21000E+00	7.94115E+00	-7.31191E-01
42	)	9.33000E+00	7.25322E+00	2.07678E+00
43	)	8.00000E+00	8.50140E+00	-3.01398E-01
44	)	8.91000E+00	8.50140E+00	4.08602E-01
45	)	8.34000E+00	8.50140E+00	-1.61398E-01
46	)	8.61000E+00	8.50140E+00	1.08602E-01
47	)	7.44000E+00	9.07143E+00	-1.63143E+00
48	)	7.58000E+00	8.11810E+00	-5.38098E-01
49	)	7.34000E+00	9.05178E+00	-1.71178E+00
50	)	7.51000E+00	8.07879E+00	-5.68786E-01
51	)	8.63000E+00	8.07879E+00	5.51214E-01
52	)	8.12000E+00	8.07879E+00	4.12140E-02
53	)	8.87000E+00	7.96085E+00	9.09153E-01
54	)	8.93000E+00	8.71762E+00	2.12381E-01
55	)	8.24000E+00	9.10092E+00	-2.60920E-01
56	)	8.79000E+00	8.74710E+00	4.28963E-02
57	)	8.09000E+00	8.18690E+00	-9.68932E-02
58	)	7.48000E+00	8.18690E+00	-7.06893E-01
59	)	7.70000E+00	8.18690E+00	-4.36896E-01
60	)	7.74000E+00	8.09844E+00	-3.58442E-01
61	)	9.05000E+00	8.25569E+00	7.94308E-01
62	)	9.40000E+00	7.11562E+00	2.28438E+00
63	)	8.94000E+00	8.07879E+00	8.61114E-01
64	)	8.04000E+00	8.17040E+00	-9.04036E-02
65	)	8.37000E+00	9.17040E+00	-7.60404E-01
66	)	8.92000E+00	8.17040E+00	-2.10407E-01
67	)	8.30000E+00	8.31115E+00	-7.01115E-01

67	)	8.31000E+00	8.39413E+00	-3.91783E-02
68	)	8.50000E+00	9.49405E+00	-9.74047E-01
69	)	8.45000E+00	8.36037E+00	-1.10368E-01
70	)	8.02000E+00	8.56037E+00	-5.40347E-01
71	)	8.39000E+00	8.14758E+00	2.42417E-01
72	)	9.09000E+00	8.14758E+00	9.42417E-01
73	)	7.46000E+00	8.14758E+00	-6.87583E-01
74	)	7.37000E+00	6.88957E+00	4.80427E-01
75	)	7.44000E+00	8.48174E+00	-1.04174E+00
76	)	7.09000E+00	9.21886E+00	-2.12886E+00
77	)	8.25000E+00	8.31466E+00	-6.46629E-02
78	)	7.96000E+00	7.68566E+00	2.74343E-01
79	)	7.78000E+00	7.68566E+00	9.43427E-02
80	)	7.98000E+00	7.68566E+00	2.94343E-01
81	)	7.63000E+00	9.04195E+00	-1.41195E+00
82	)	7.60000E+00	8.39329E+00	-7.93289E-01
83	)	6.04000E+00	9.10092E+00	-3.06092E+00
84	)	6.35000E+00	7.36133E+00	-1.01133E+00
85	)	7.62000E+00	7.36133E+00	2.58674E-01
86	)	7.32000E+00	7.36133E+00	-4.13260E-02
87	)	8.55000E+00	6.50627E+00	2.04373E+00
88	)	8.03000E+00	6.50627E+00	1.52373E+00