

APPENDIX A

USGS MOVE.1 GROUPS
LITTLE BIGHORN RIVER MODEL
NATURAL FLOW STATIONS

LBIGNAT7.SUM
LBIENAT7.SUM
LBIDNAT7.SUM

LBIGNAT7: Natural Flow Sites - Little Bighorn River Model with Station 062980000

USGS # MOVE # # 1 # 2 Name

06288600	8860	2	12 Little Bighorn River Below Dayton Gulch, Near Burgess Junction, WY
06288700	8870	3	13 Dry Fork Little Bighorn Below Lick Creek, Near Burgess Junction, WY
06288960	8896	4	14 Little Bighorn River Near Parkman, WY
06288975	8897	5	15 Elkhorn Creek Above Fuller Ranch Ditch, Near Parkman, WY
06288990	8899	6	16 West Fork Little Bighorn River Near Parkman, WY
06289000	8900	1	11 Little Bighorn River at State Line, Near Wyola, MT
06289100	8910	7	17 Red Canyon Creek Near Parkman, WY
06289800	8980	9	19 East Pass Creek Near Parkman, WY
06291200	9120	8	18 Lodge Grass Creek at State Line, Near Wyola, MT
06298000	9800	10	20 Tongue River Near Dayton, WY

also for **LBIENAT7: noncyclic run**

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imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 10 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

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Analysis for: Station number 8900 Variable 1

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Population Size = 360.
Population Mean = 3.83
Population Std. Dev. = .310

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Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
Predicted mean = 3.83
Predicted std dev. = .310
Average standard error of prediction = .0
Number of variables with no predictors = 0.

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Analysis for: Station number 8860 Variable 2

Population Size = 60.
 Population Mean = 2.72
 Population Std. Dev. = .447

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	1	20	1	10	1	20
1971	20	20	20	20	20	20	1	20	1	10	1	20
1972	20	20	20	20	20	20	1	20	1	10	1	20
1973	20	20	20	20	20	20	1	20	1	10	1	20
1974	20	20	20	20	20	20	20	20	1	10	1	20
1975	20	20	20	20	20	20	1	20	1	10	1	20
1976	20	20	20	20	20	20	1	20	1	10	1	20
1977	20	20	20	20	20	20	20	20	1	10	1	20
1978	20	20	20	20	20	20	1	20	1	10	1	20
1979	20	20	20	20	20	20	1	20	1	10	1	20
1980	20	20	20	20	20	20	1	20	1	10	1	20
1981	20	20	20	20	20	20	1	20	1	10	1	20
1982	20	20	20	20	20	20	20	20	1	10	1	20
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	7	20	20	20	20	20	1	20	1	10	1	20
1989	7	20	20	20	20	20	1	20	1	10	1	20
1990	7	20	20	20	20	20	1	20	1	10	1	20
1991	20	20	20	20	20	20	1	20	1	10	1	20
1992	20	20	20	20	20	20	1	20	1	10	1	20
1993	20	20	20	20	20	20	20	20	1	3	3	20
1994	20	20	20	20	20	20	20	20	1	3	3	20
1995	20	20	20	20	20	20	1	20	1	10	1	20
1996	20	20	20	20	20	20	1	20	1	10	1	20
1997	20	20	20	20	20	20	1	20	1	10	1	20
1998	20	20	20	20	20	20	1	20	1	10	1	20
1999	20	20	20	20	20	20	1	20	1	10	1	20

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Correlation Coefficients

1	60	100	68	****	****	****	****	****	****	.97	****	.99	.99	.99	****
3	60	9	4	****	****	****	****	****	****	.94	****	.98	1.00	1.00	****
6	55	9	0	****	****	****	****	****	****	****	****	.98	.97	.98	****
7	52	9	3	.93	****	****	****	****	****	****	****	.89	.92	****	****
8	55	8	0	****	****	****	****	****	****	.88	****	.97	.98	.99	****
10	60	75	23	****	****	****	****	****	****	****	****	.98	1.00	.96	****
11	60	300	0	.97											
13	60	32	0	.96											
16	55	36	0	.93											
17	52	37	0	.66											
18	55	24	0	.97											
20	60	300	202	.97											

Resultant sample size = 360.
 Predicted mean = 2.75
 Predicted std dev. = .482

Average standard error of prediction = 20.2
 Number of variables with no predictors = 0.

Analysis for: Station number 8870 Variable 3

Population Size = 92.
 Population Mean = 3.31
 Population Std. Dev. = .260

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	1	10	10	11	11	11	1	6	1	11	1	1
1971	1	10	10	11	11	11	1	6	1	1	1	1
1972	1	1	10	11	11	11	1	6	1	1	1	1
1973	1	1	10	11	11	11	11	11	1	1	1	1
1974	1	10	10	11	11	11	11	11	1	1	1	1
1975	1	10	10	11	11	11	1	11	1	11	1	1
1976	10	10	10	11	11	11	1	11	1	1	1	1
1977	1	10	10	11	11	11	11	11	1	1	1	1
1978	1	1	10	11	11	11	1	11	1	11	1	1
1979	10	10	10	11	11	11	1	11	1	1	1	1
1980	1	1	10	11	11	11	1	11	1	1	1	1
1981	1	1	10	11	11	11	1	11	1	1	1	1
1982	1	1	10	11	11	11	11	11	1	11	1	1
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	1	1	10	11	11	11	8	11	1	8	8	1
1989	1	1	10	11	11	11	8	11	1	8	8	1
1990	1	1	10	11	11	11	1	11	1	1	1	1
1991	1	1	10	11	11	11	11	11	1	1	1	1
1992	1	1	10	11	11	11	1	11	1	1	1	1
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	1	11	1	1
1996	1	10	10	11	11	11	1	11	1	1	1	1
1997	1	1	10	11	11	11	1	11	1	1	1	1
1998	1	1	10	11	11	11	1	11	1	1	1	1
1999	1	1	10	11	11	11	1	11	1	1	1	1

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Correlation Coefficients

1	92	202	132	.88	.80	.71	****	****	****	.95	.91	1.00	.97	.98	.99
6	55	18	3	.90	****	****	****	****	****	****	1.00	.99	.97	.99	.99
7	52	9	0	****	****	****	****	****	****	****	.91	.94	.91	****	****
8	55	8	6	****	****	****	****	****	****	.98	****	.99	.99	.99	****
10	92	202	32	.80	.76	.75	****	****	****	.92	.75	.98	.96	.91	.85
11	92	268	95	.99											
16	55	36	0	.97											
17	52	37	0	.69											
18	55	24	0	.95											
20	92	268	0	.97											

Resultant sample size = 360.
 Predicted mean = 3.36

Predicted std dev. = .291
 Average standard error of prediction = 7.8
 Number of variables with no predictors = 0.

Analysis for: Station number 8896 Variable 4

Population Size = 36.
 Population Mean = 3.76
 Population Std. Dev. = .346

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	11	11	11	11	11	11	11	11	11	11	11	11
1976	11	11	11	11	11	11	11	11	11	11	11	11
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	11	11	11	11	11	11	11	11	11	11	11	11
1985	11	11	11	11	11	11	11	11	11	11	11	11
1986	11	11	11	11	11	11	11	11	11	11	11	11
1987	11	11	11	11	11	11	11	11	11	11	11	11
1988	11	11	11	11	11	11	11	11	11	11	11	11
1989	11	11	11	11	11	11	11	11	11	11	11	11
1990	11	11	11	11	11	11	11	11	11	11	11	11
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	11	11	11	11	11	11	11	11	11	11	11	11
1994	11	11	11	11	11	11	11	11	11	11	11	11
1995	11	11	11	11	11	11	11	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11 36 324 324 1.00
 16 36 55 0 .98
 20 36 324 0 .98

Resultant sample size = 360.
 Predicted mean = 3.71
 Predicted std dev. = .331
 Average standard error of prediction = 5.9
 Number of variables with no predictors = 0.

Analysis for: Station number 8897 Variable 5

Population Size = 54.
 Population Mean = 2.13
 Population Std. Dev. = .287

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	10	10	16
1971	16	16	16	16	16	16	16	16	16	10	10	16
1972	16	16	16	16	16	16	16	16	16	6	10	16
1973	11	11	11	11	11	11	11	11	11	10	10	11
1974	11	11	11	11	11	11	11	11	11	10	10	11
1975	11	11	11	11	11	11	11	11	11	11	10	11
1976	11	11	11	11	11	11	11	11	11	10	10	11
1977	11	11	11	11	11	11	11	11	11	1	10	11
1978	11	11	11	11	11	11	11	11	11	10	10	11
1979	11	11	11	11	11	11	11	11	11	10	10	11
1980	11	11	11	11	11	11	11	11	11	1	10	11
1981	11	11	11	11	11	11	11	11	11	1	10	11
1982	11	11	11	11	11	11	11	11	11	1	10	11
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	17	16	16	16	16	17	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	17	17	17	17	17	17	17	7	7	7	10	17
1989	17	17	17	17	17	17	17	7	7	7	10	17
1990	17	17	17	17	17	17	17	7	7	7	10	17
1991	11	11	11	11	11	11	11	11	11	1	10	11
1992	11	11	11	11	11	11	11	11	11	1	10	11
1993	11	11	11	11	11	11	11	11	11	3	10	11
1994	11	11	11	11	11	11	11	11	11	1	10	11
1995	11	11	11	11	11	11	11	11	11	10	10	11
1996	11	11	11	11	11	11	11	11	11	10	10	11
1997	11	11	11	11	11	11	11	11	11	1	10	11
1998	11	11	11	11	11	11	11	11	11	10	10	11
1999	11	11	11	11	11	11	11	11	11	10	10	11

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1	54	50	8	****	****	****	****	****	****	****	****	.95	.91	****	****	
3	54	7	1	****	****	****	****	****	****	****	****	.94	.95	.90	****	****
6	49	12	1	****	****	****	****	****	****	****	****	.91	.96	.92	.90	****
7	50	9	9	****	****	****	****	****	****	****	****	.99	1.00	.98	****	****
8	49	4	0	****	****	****	****	****	****	****	****	****	.97	.93	****	****
10	54	75	36	****	****	****	****	****	****	****	****	****	.92	.91	.95	****
11	54	306	191	.90												
12	54	6	0	.82												
13	54	38	0	.86												
16	49	42	34	.93												
17	50	39	26	.93												
18	49	30	0	.87												
20	54	306	0	.89												

Resultant sample size = 360.
 Predicted mean = 2.14
 Predicted std dev. = .292
 Average standard error of prediction = 25.9

Number of variables with no predictors = 0.

Analysis for: Station number 8899 Variable 6
 Population Size = 91.
 Population Mean = 3.08
 Population Std. Dev. = .314

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	1	1	11	11	11	10	11	11	1	1	1	1
1974	1	1	11	11	11	10	11	11	1	1	1	1
1975	1	1	11	11	11	1	11	11	1	11	1	1
1976	1	1	11	11	11	10	11	11	1	1	1	1
1977	1	1	11	11	11	10	11	11	1	1	1	1
1978	1	1	11	11	11	10	11	11	1	11	1	1
1979	1	1	11	11	11	10	11	11	1	1	1	1
1980	1	1	11	11	11	10	11	11	1	1	1	1
1981	1	1	11	11	11	1	11	11	1	1	1	1
1982	1	1	11	11	11	10	11	11	1	1	1	1
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	1	11	11	11	10	0	0	0	0	0	0
1988	1	1	11	11	11	1	8	11	8	8	8	1
1989	1	1	11	11	11	10	8	11	8	8	8	1
1990	1	1	11	11	11	10	11	11	1	1	1	1
1991	1	1	11	11	11	10	11	11	1	1	1	1
1992	1	1	11	11	11	10	11	11	1	1	1	1
1993	3	1	11	11	11	10	11	3	3	3	1	3
1994	3	1	11	11	11	10	11	3	3	3	1	3
1995	3	1	11	11	11	10	11	3	1	1	1	1
1996	1	1	11	11	11	10	11	11	1	1	1	1
1997	1	1	11	11	11	10	11	11	1	1	1	1
1998	1	1	11	11	11	10	11	11	1	1	1	1
1999	1	1	11	11	11	1	11	11	1	1	1	1

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1	91	178	120	.84	.81	****	****	****	.80	****	.93	.99	.97	.98	.98
3	55	14	12	.90	****	****	****	****	****	****	1.00	.99	.97	.99	.99
7	51	6	0	****	****	****	****	****	****	****	****	.95	.89	****	****
8	50	8	8	****	****	****	****	****	****	.89	****	1.00	1.00	1.00	****
10	91	133	19	****	****	****	****	****	.86	****	.93	.96	.89	.90	.82
11	91	269	110	.98											
12	55	5	0	.93											
13	55	37	0	.97											
15	49	5	0	.93											
17	51	38	0	.79											
18	50	29	0	.94											
20	91	269	0	.95											

Resultant sample size = 360.

Predicted mean = 3.06
 Predicted std dev. = .312
 Average standard error of prediction = 12.3
 Number of variables with no predictors = 0.

Analysis for: Station number 8910 Variable 7

Population Size = 89.
 Population Mean = 1.60
 Population Std. Dev. = .606

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	10	16	10	16	10	10	16	16	1	10	10	16
1971	10	16	10	16	10	10	16	16	6	10	10	16
1972	10	16	10	16	10	10	16	16	6	1	10	16
1973	10	20	10	20	10	10	20	20	1	10	10	20
1974	10	20	10	20	10	10	20	20	1	10	10	20
1975	10	20	10	20	10	10	20	20	1	10	10	20
1976	10	20	10	20	10	10	20	20	1	10	10	20
1977	10	20	10	20	10	10	20	20	1	1	10	20
1978	10	20	10	20	10	10	20	20	1	10	10	20
1979	10	20	10	20	10	10	20	20	1	1	10	20
1980	10	20	10	20	10	10	20	20	1	1	10	20
1981	10	20	10	20	10	10	20	20	1	1	10	20
1982	10	20	10	20	10	10	20	20	1	1	10	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	16	10	16	10	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	15	10	15	10	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	10	20	10	20	10	10	20	20	1	1	10	20
1992	10	20	10	20	10	10	20	20	1	1	10	20
1993	10	13	10	13	10	10	13	3	1	10	10	13
1994	10	13	10	13	10	10	13	3	1	1	10	13
1995	10	13	10	13	10	10	13	3	1	10	10	20
1996	10	20	10	20	10	10	20	20	1	1	10	20
1997	10	20	10	20	10	10	20	20	1	1	10	20
1998	10	20	10	20	10	10	20	20	1	10	10	20
1999	10	20	10	20	10	10	20	20	1	10	10	20

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Variable	Sample	Actual	Correlation	Coefficients
1	89	44	31	****
3	52	7	3	****
6	51	6	2	****
10	89	158	125	.77
11	89	271	0	.59
12	52	8	0	.66
13	52	40	11	.69
15	50	4	2	.93
16	51	40	17	.79
18	71	8	0	.76
20	89	271	80	.62

Resultant sample size = 360.
 Predicted mean = 1.64
 Predicted std dev. = .505
 Average standard error of prediction = 73.0
 Number of variables with no predictors = 0.

Analysis for: Station number 9120 Variable 8

Population Size = 79.
 Population Mean = 2.78
 Population Std. Dev. = .413

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	10	20	20	20	20	20	1	1	6	6	6	10
1971	10	20	20	20	20	20	1	1	6	6	6	10
1972	10	20	20	20	20	20	1	1	6	6	6	10
1973	10	20	20	20	20	20	1	20	1	1	10	10
1974	10	20	20	20	20	20	20	1	1	10	10	10
1975	10	20	20	20	20	20	1	1	1	1	10	10
1976	10	20	20	20	20	20	1	1	1	1	10	10
1977	10	20	20	20	20	20	20	20	1	1	10	10
1978	1	20	20	20	20	20	1	20	1	1	10	10
1979	10	20	20	20	20	20	1	1	1	1	10	10
1980	1	20	20	20	20	20	1	1	1	1	10	10
1981	1	20	20	20	20	20	1	1	1	1	10	10
1982	1	20	20	20	20	20	20	20	1	1	10	10
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	20	20	20	20	20	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	1	20	20	20	20	20	1	1	1	1	10	10
1991	10	20	20	20	20	20	1	1	1	1	10	10
1992	1	20	20	20	20	20	1	1	1	1	10	10
1993	1	20	20	20	20	20	3	1	1	1	3	10
1994	10	20	20	20	20	20	3	20	1	1	3	10
1995	1	20	20	20	20	20	3	1	1	1	10	10
1996	10	20	20	20	20	20	1	1	1	1	10	10
1997	10	20	20	20	20	20	1	1	1	1	10	10
1998	10	20	20	20	20	20	1	1	1	10	10	10
1999	10	20	20	20	20	20	1	20	1	1	10	10

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Variable	Sample	Actual	Correlation	Coefficients
1	79	161	80	.86 ****
3	55	9	5	****
6	50	12	9	****
7	71	3	0	****
10	79	161	58	.86 ****
11	79	281	0	.98
12	55	5	0	.97
13	55	37	0	.95
15	49	5	0	.87
16	50	41	0	.94

17 71 18 0 .76
 20 79 281 129 .98

Resultant sample size = 360.
 Predicted mean = 2.81
 Predicted std dev. = .441
 Average standard error of prediction = 14.2
 Number of variables with no predictors = 0.

Analysis for: Station number 8980 Variable 9

Population Size = 24.
 Population Mean = 2.79
 Population Std. Dev. = .338

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	11	11	11	11	11	11	11	11	20	11	11	11
1971	11	11	11	11	11	11	11	11	11	11	11	11
1972	11	11	11	11	11	11	11	11	11	11	11	11
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	20	11	20	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	11	11	20	11	11	11	11	11	11	11	11	11
1985	11	11	11	11	11	11	11	11	11	11	11	11
1986	11	20	11	11	20	11	11	11	11	11	11	11
1987	11	11	11	11	11	11	11	11	11	11	11	11
1988	11	11	20	20	11	11	20	11	11	11	11	11
1989	11	11	20	11	11	11	20	11	11	11	11	11
1990	11	11	20	20	20	20	11	11	11	11	11	11
1991	11	11	20	20	11	11	11	11	11	11	11	11
1992	11	11	11	20	20	20	11	11	11	11	11	11
1993	11	11	20	20	20	11	20	11	11	11	11	11
1994	11	11	11	11	20	11	11	11	11	11	11	11
1995	11	11	11	20	20	11	20	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	24	336	308	.94
20	24	336	28	.94

Resultant sample size = 360.
 Predicted mean = 2.71
 Predicted std dev. = .286

Average standard error of prediction = 28.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 10

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 54733.59 for 1245. predictions

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 10 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 8900 Variable 1

```

Population Size = 360.
Population Mean = 3.83
Population Std. Dev. = .310

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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```

Resultant sample size = 360.
Predicted mean = 3.83
Predicted std dev. = .310
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 8860 Variable 2

```

Population Size = 60.

```

Population Mean = 2.72
 Population Std. Dev. = .447

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	20	20	20	20
1972	20	20	20	20	20	20	20	20	20	20	20	20
1973	20	20	20	20	20	20	20	20	20	20	20	20
1974	20	20	20	20	20	20	20	20	20	20	20	20
1975	20	20	20	20	20	20	20	20	20	20	20	20
1976	20	20	20	20	20	20	20	20	20	20	20	20
1977	20	20	20	20	20	20	20	20	20	20	20	20
1978	20	20	20	20	20	20	20	20	20	20	20	20
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	20	20	20	20	20	20
1981	20	20	20	20	20	20	20	20	20	20	20	20
1982	20	20	20	20	20	20	20	20	20	20	20	20
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	20	20	20	20	20	20	20	20	20	20	20	20
1989	20	20	20	20	20	20	20	20	20	20	20	20
1990	20	20	20	20	20	20	20	20	20	20	20	20
1991	20	20	20	20	20	20	20	20	20	20	20	20
1992	20	20	20	20	20	20	20	20	20	20	20	20
1993	20	20	20	20	20	20	20	20	20	20	20	20
1994	20	20	20	20	20	20	20	20	20	20	20	20
1995	20	20	20	20	20	20	20	20	20	20	20	20
1996	20	20	20	20	20	20	20	20	20	20	20	20
1997	20	20	20	20	20	20	20	20	20	20	20	20
1998	20	20	20	20	20	20	20	20	20	20	20	20
1999	20	20	20	20	20	20	20	20	20	20	20	20

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11	60	300	0	.97
13	60	32	0	.96
16	55	36	0	.93
17	52	37	0	.66
18	55	24	0	.97
20	60	300	300	.97

Resultant sample size = 360.
 Predicted mean = 2.75
 Predicted std dev. = .466
 Average standard error of prediction = 24.9
 Number of variables with no predictors = 0.

Analysis for: Station number 8870 Variable 3
 Population Size = 92.
 Population Mean = 3.31
 Population Std. Dev. = .260

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	11	11	11	11	11	11	11	11	11	11	11	11

1971	11	11	11	11	11	11	11	11	11	11	11	11
1972	11	11	11	11	11	11	11	11	11	11	11	11
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	11	11	11	11	11	11	11	11	11	11	11	11
1976	11	11	11	11	11	11	11	11	11	11	11	11
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	11	11	11	11	11	11	11	11	11	11	11	11
1989	11	11	11	11	11	11	11	11	11	11	11	11
1990	11	11	11	11	11	11	11	11	11	11	11	11
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	92	268	268	.99
16	55	36	0	.97
17	52	37	0	.69
18	55	24	0	.95
20	92	268	0	.97

Resultant sample size = 360.
 Predicted mean = 3.35
 Predicted std dev. = .284
 Average standard error of prediction = 10.3
 Number of variables with no predictors = 0.

Analysis for: Station number 8896 Variable 4
 Population Size = 36.
 Population Mean = 3.76
 Population Std. Dev. = .346

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	11	11	11	11	11	11	11	11	11	11	11	11
1976	11	11	11	11	11	11	11	11	11	11	11	11
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11

1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	11	11	11	11	11	11	11	11	11	11	11	11
1985	11	11	11	11	11	11	11	11	11	11	11	11
1986	11	11	11	11	11	11	11	11	11	11	11	11
1987	11	11	11	11	11	11	11	11	11	11	11	11
1988	11	11	11	11	11	11	11	11	11	11	11	11
1989	11	11	11	11	11	11	11	11	11	11	11	11
1990	11	11	11	11	11	11	11	11	11	11	11	11
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	11	11	11	11	11	11	11	11	11	11	11	11
1994	11	11	11	11	11	11	11	11	11	11	11	11
1995	11	11	11	11	11	11	11	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	36	324	324	1.00
16	36	55	0	.98
20	36	324	0	.98

Resultant sample size = 360.
 Predicted mean = 3.71
 Predicted std dev. = .331
 Average standard error of prediction = 5.9
 Number of variables with no predictors = 0.

Analysis for: Station number 8897 Variable 5
 Population Size = 54.
 Population Mean = 2.13
 Population Std. Dev. = .287

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	11	11	11	11	11	11	11	11	11	11	11	11
1976	11	11	11	11	11	11	11	11	11	11	11	11
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	17	16	16	16	16	17	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	17	17	17	17	17	17	17	17	17	17	17	17

1989	17	17	17	17	17	17	17	17	17	17	17	17
1990	17	17	17	17	17	17	17	17	17	17	17	17
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	11	11	11	11	11	11	11	11	11	11	11	11
1994	11	11	11	11	11	11	11	11	11	11	11	11
1995	11	11	11	11	11	11	11	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	54	306	228	.90
12	54	6	0	.82
13	54	38	0	.86
16	49	42	40	.93
17	50	39	38	.93
18	49	30	0	.87
20	54	306	0	.89

Resultant sample size = 360.
 Predicted mean = 2.15
 Predicted std dev. = .301
 Average standard error of prediction = 28.6
 Number of variables with no predictors = 0.

Analysis for: Station number 8899 Variable 6
 Population Size = 91.
 Population Mean = 3.08
 Population Std. Dev. = .314

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	11	11	11	11	11	11	11	11	11	11	11	11
1976	11	11	11	11	11	11	11	11	11	11	11	11
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	11	11	11	11	11	0	0	0	0	0	0
1988	11	11	11	11	11	11	11	11	11	11	11	11
1989	11	11	11	11	11	11	11	11	11	11	11	11
1990	11	11	11	11	11	11	11	11	11	11	11	11
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	11	11	11	11	11	11	11	11	11	11	11	11
1994	11	11	11	11	11	11	11	11	11	11	11	11

1995	11	11	11	11	11	11	11	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	91	269	269	.98
12	55	5	0	.93
13	55	37	0	.97
15	49	5	0	.93
17	51	38	0	.79
18	50	29	0	.94
20	91	269	0	.95

Resultant sample size = 360.
 Predicted mean = 3.07
 Predicted std dev. = .316
 Average standard error of prediction = 15.3
 Number of variables with no predictors = 0.

Analysis for: Station number 8910 Variable 7
 Population Size = 89.
 Population Mean = 1.60
 Population Std. Dev. = .606

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	20	20	20	20	20	20	20	20	20	20	20	20
1974	20	20	20	20	20	20	20	20	20	20	20	20
1975	20	20	20	20	20	20	20	20	20	20	20	20
1976	20	20	20	20	20	20	20	20	20	20	20	20
1977	20	20	20	20	20	20	20	20	20	20	20	20
1978	20	20	20	20	20	20	20	20	20	20	20	20
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	20	20	20	20	20	20
1981	20	20	20	20	20	20	20	20	20	20	20	20
1982	20	20	20	20	20	20	20	20	20	20	20	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	16	16	16	16	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	15	15	15	15	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	20	20	20	20	20	20	20	20	20	20	20	20
1992	20	20	20	20	20	20	20	20	20	20	20	20
1993	13	13	13	13	13	13	13	13	13	13	13	13
1994	13	13	13	13	13	13	13	13	13	13	13	13
1995	13	13	13	13	13	13	13	13	20	20	20	20
1996	20	20	20	20	20	20	20	20	20	20	20	20
1997	20	20	20	20	20	20	20	20	20	20	20	20
1998	20	20	20	20	20	20	20	20	20	20	20	20
1999	20	20	20	20	20	20	20	20	20	20	20	20

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11 89 271 0 .59
 12 52 8 0 .66
 13 52 40 32 .69
 15 50 4 4 .93
 16 51 40 40 .79
 18 71 8 0 .76
 20 89 271 195 .62

Resultant sample size = 360.
 Predicted mean = 1.65
 Predicted std dev. = .608
 Average standard error of prediction = 135.8
 Number of variables with no predictors = 0.

Analysis for: Station number 9120 Variable 8

Population Size = 79.
 Population Mean = 2.78
 Population Std. Dev. = .413

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	20	20	20	20
1972	20	20	20	20	20	20	20	20	20	20	20	20
1973	20	20	20	20	20	20	20	20	20	20	20	20
1974	20	20	20	20	20	20	20	20	20	20	20	20
1975	20	20	20	20	20	20	20	20	20	20	20	20
1976	20	20	20	20	20	20	20	20	20	20	20	20
1977	20	20	20	20	20	20	20	20	20	20	20	20
1978	20	20	20	20	20	20	20	20	20	20	20	20
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	20	20	20	20	20	20
1981	20	20	20	20	20	20	20	20	20	20	20	20
1982	20	20	20	20	20	20	20	20	20	20	20	20
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	20	20	20	20	20	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	20	20	20	20	20	20	20	20	20	20	20	20
1991	20	20	20	20	20	20	20	20	20	20	20	20
1992	20	20	20	20	20	20	20	20	20	20	20	20
1993	20	20	20	20	20	20	20	20	20	20	20	20
1994	20	20	20	20	20	20	20	20	20	20	20	20
1995	20	20	20	20	20	20	20	20	20	20	20	20
1996	20	20	20	20	20	20	20	20	20	20	20	20
1997	20	20	20	20	20	20	20	20	20	20	20	20
1998	20	20	20	20	20	20	20	20	20	20	20	20
1999	20	20	20	20	20	20	20	20	20	20	20	20

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11	79	281	0	.98
12	55	5	0	.97
13	55	37	0	.95
15	49	5	0	.87
16	50	41	0	.94
17	71	18	0	.76
20	79	281	281	.98

Resultant sample size = 360.
 Predicted mean = 2.81
 Predicted std dev. = .435
 Average standard error of prediction = 19.2
 Number of variables with no predictors = 0.

Analysis for: Station number 8980 Variable 9

Population Size = 24.
 Population Mean = 2.79
 Population Std. Dev. = .338

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	11	11	11	11	11	11	11	11	20	11	11	11
1971	11	11	11	11	11	11	11	11	11	11	11	11
1972	11	11	11	11	11	11	11	11	11	11	11	11
1973	11	11	11	11	11	11	11	11	11	11	11	11
1974	11	11	11	11	11	11	11	11	11	11	11	11
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	11	11	11	11	11	11	11	11	11	11	11	11
1978	11	11	11	11	11	11	11	11	11	11	11	11
1979	11	11	11	11	11	11	11	11	11	11	11	11
1980	11	11	11	11	11	11	11	11	11	11	11	11
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	20	11	20	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	11	11	20	11	11	11	11	11	11	11	11	11
1985	11	11	11	11	11	11	11	11	11	11	11	11
1986	11	20	11	11	20	11	11	11	11	11	11	11
1987	11	11	11	11	11	11	11	11	11	11	11	11
1988	11	11	20	20	11	11	20	11	11	11	11	11
1989	11	11	20	11	11	11	20	11	11	11	11	11
1990	11	11	20	20	20	20	11	11	11	11	11	11
1991	11	11	20	20	11	11	11	11	11	11	11	11
1992	11	11	11	20	20	20	11	11	11	11	11	11
1993	11	11	20	20	20	11	20	11	11	11	11	11
1994	11	11	11	11	20	11	11	11	11	11	11	11
1995	11	11	11	20	20	11	20	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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11	24	336	308	.94
20	24	336	28	.94

Resultant sample size = 360.
 Predicted mean = 2.71
 Predicted std dev. = .286
 Average standard error of prediction = 28.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 10

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 76838.13 for 1245. predictions

LBIDNAT7: Natural Flow Sites - Little Bighorn River Model with Station 06298000 and without Stations 06289000 and 06288990

USGS #	MOVE #	# 1	# 2	Name
06288600	8860	1	9	Little Bighorn River Below Dayton Gulch, Near Burgess Junction, WY
06288700	8870	2	10	Dry Fork Little Bighorn Below Lick Creek, Near Burgess Junction, WY
06288960	8896	3	11	Little Bighorn River Near Parkman, WY
06288975	8897	4	12	Elkhorn Creek Above Fuller Ranch Ditch, Near Parkman, WY
06289100	8910	5	13	Red Canyon Creek Near Parkman, WY
06289800	8980	7	15	East Pass Creek Near Parkman, WY
06291200	9120	6	14	Lodge Grass Creek at State Line, Near Wyola, MT
06298000	9800	8	16	Tongue River Near Dayton, WY

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 8 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 8860 Variable 1

```

Population Size = 60.
Population Mean = 2.72
Population Std. Dev. = .447

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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```

```

10 60 32 0 .96
13 52 37 0 .66
14 55 24 0 .97
16 60 300 300 .97

```

```

Resultant sample size = 360.
Predicted mean = 2.75
Predicted std dev. = .466
Average standard error of prediction = 24.9
Number of variables with no predictors = 0.

```

Analysis for: Station number 8870 Variable 2

```

Population Size = 92.

```


Population Mean = 3.31
 Population Std. Dev. = .260

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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13 52 37 0 .69
 14 55 24 0 .95
 16 92 268 268 .97

Resultant sample size = 360.
 Predicted mean = 3.33
 Predicted std dev. = .281
 Average standard error of prediction = 15.9
 Number of variables with no predictors = 0.

Analysis for: Station number 8896 Variable 3

Population Size = 36.
 Population Mean = 3.76
 Population Std. Dev. = .346

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16

1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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16 36 324 324 .98

Resultant sample size = 360.
 Predicted mean = 3.74
 Predicted std dev. = .332
 Average standard error of prediction = 14.8
 Number of variables with no predictors = 0.

Analysis for: Station number 8897 Variable 4

Population Size = 54.
 Population Mean = 2.13
 Population Std. Dev. = .287

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	13	16	16	16	16	13	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	13	13	13	13	13	13	13	13	13	13	13	13
1989	13	13	13	13	13	13	13	13	13	13	13	13
1990	13	13	13	13	13	13	13	13	13	13	13	13
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16

1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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9	54	6	0	.82
10	54	38	0	.86
13	50	39	38	.93
14	49	30	0	.87
16	54	306	268	.89

Resultant sample size = 360.
 Predicted mean = 2.12
 Predicted std dev. = .292
 Average standard error of prediction = 30.4
 Number of variables with no predictors = 0.

Analysis for: Station number 8910 Variable 5

Population Size = 89.
 Population Mean = 1.60
 Population Std. Dev. = .606

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	14	14	14	14	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	12	12	12	12	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	10	10	10	10	10	10	10	10	10	10	10	10
1994	10	10	10	10	10	10	10	10	10	10	10	10
1995	10	10	10	10	10	10	10	10	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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9	52	8	0	.66
10	52	40	32	.69
12	50	4	4	.93
14	71	8	4	.76
16	89	271	231	.62

Resultant sample size = 360.
 Predicted mean = 1.63
 Predicted std dev. = .609
 Average standard error of prediction = 146.0
 Number of variables with no predictors = 0.

Analysis for: Station number 9120 Variable 6

Population Size = 79.
 Population Mean = 2.78
 Population Std. Dev. = .413

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	16	16	16	16	16	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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9	55	5	0	.97
10	55	37	0	.95
12	49	5	0	.87
13	71	18	0	.76
16	79	281	281	.98

Resultant sample size = 360.
 Predicted mean = 2.81

Predicted std dev. = .435
 Average standard error of prediction = 19.2
 Number of variables with no predictors = 0.

Analysis for: Station number 8980 Variable 7
 Population Size = 24.
 Population Mean = 2.79
 Population Std. Dev. = .338

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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 16 24 336 336 .94

Resultant sample size = 360.
 Predicted mean = 2.76
 Predicted std dev. = .289
 Average standard error of prediction = 29.0
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 8
 Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0

1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 80498.12 for 794. predictions

USGS MOVE.1 GROUPS
TONGUE RIVER MODEL
NATURAL FLOW STATIONS

TONANAT7.SUM
TONBNAT7.SUM

TONANAT7: Natural Flow Sites - Tongue River Model

USGS #	MOVE #	# 1	# 2	Name
06297000	9700	1	14	South Fork Tongue River Near Dayton, WY
06297480	9748	2	15	Tongue River at Tongue Canyon Campground, Near Dayton, WY
06298000	9800	3	16	Tongue River Near Dayton, WY
06298480	9848	4	17	Little Tongue River at Steamboat Point, Near Dayton, WY
06298490	9849	5	18	Little Tongue River Above South Fork Little Tongue River, Near Dayton, WY
06298500	9850	6	19	Little Tongue River Near Dayton, WY
06299480	9948	7	20	Wolf Creek Below Alden Creek, Near Wolf, WY
06299490	9949	8	21	Wolf Creek Above Red Canyon Creek, at Wolf, WY
06299500	9950	9	22	Wolf Creek at Wolf, WY
06300500	3005	10	23	East Fork Big Goose Creek Near Big Horn, WY
06301480	1480	11	24	Coney Creek Above Twin Lakes, Near Big Horn, WY
06301485	1485	12	25	Lost Lake Creek Near Big Horn, WY
06301490	1490	13	26	Snail Creek Near Big Horn, WY

also for **TONBNAT7: noncyclic run**


```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 13 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 9700 Variable 1

```

Population Size = 28.
Population Mean = 3.42
Population Std. Dev. = .557

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	16	16	16	16	16	16	16	0	0	0	16	0
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

Variable	Sample	Actual	Predicted	Correlation Coefficients
16	28	332	332	.98
19	28	32	0	.97
22	28	165	0	.97
23	28	144	0	.97

Resultant sample size = 360.
Predicted mean = 3.30

Predicted std dev. = .496
 Average standard error of prediction = 23.9
 Number of variables with no predictors = 0.

Analysis for: Station number 9748 Variable 2

Population Size = 58.
 Population Mean = 3.85
 Population Std. Dev. = .427

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	3	3	3	16	16
1971	16	16	16	16	16	16	16	3	3	3	16	16
1972	16	16	16	16	16	16	16	3	3	3	16	16
1973	16	16	16	16	16	16	16	3	3	3	16	16
1974	16	16	16	16	16	16	16	3	3	3	16	16
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	16	16
1980	16	16	16	16	16	16	16	3	3	3	16	16
1981	16	16	16	16	16	16	16	3	3	3	16	16
1982	16	16	16	16	16	16	16	3	3	3	16	16
1983	16	16	16	16	16	16	16	3	3	3	16	16
1984	16	16	16	16	16	16	16	3	3	3	16	16
1985	16	16	16	16	16	16	16	3	3	3	16	16
1986	16	16	16	16	16	16	16	3	3	3	16	16
1987	16	16	16	16	16	16	16	3	3	3	16	16
1988	16	16	16	16	16	16	16	3	3	3	16	16
1989	16	16	16	16	16	16	16	3	3	3	16	16
1990	16	16	16	16	16	16	16	3	3	3	16	16
1991	16	16	16	16	16	16	16	3	3	3	16	16
1992	16	16	16	16	16	16	16	3	3	3	16	16
1993	16	16	16	16	16	16	16	3	3	3	16	16
1994	16	16	16	16	16	16	16	3	3	3	16	16
1995	16	16	16	16	16	16	16	3	3	3	16	16
1996	16	16	16	16	16	16	16	3	3	3	16	16
1997	16	16	16	16	16	16	16	3	3	3	16	16
1998	16	16	16	16	16	16	16	3	3	3	16	16
1999	16	16	16	16	16	16	16	3	3	3	16	16

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Correlation Coefficients

3	58	100	75	****	****	****	****	****	****	****	.99	1.00	1.00	1.00	****	****
9	27	50	0	****	****	****	****	****	****	****	****	****	1.00	.99	****	****
10	22	49	0	****	****	****	****	****	****	****	****	****	.96	.95	****	****
16	58	302	227	1.00												
22	27	166	0	.98												
23	22	150	0	.91												

Resultant sample size = 360.
 Predicted mean = 3.82
 Predicted std dev. = .383
 Average standard error of prediction = 5.6
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 3

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9848 Variable 4

Population Size = 24.
 Population Mean = 2.34
 Population Std. Dev. = .630

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	22	22	22	22	22	22
1978	16	16	16	16	16	16	22	22	22	22	22	22
1979	16	16	16	16	16	16	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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able	ples	ors	ors		
15	24	34	0	.98	
16	24	336	154	.98	
22	11	182	182	.99	
23	9	163	0	.93	

Resultant sample size = 360.
 Predicted mean = 2.33
 Predicted std dev. = .562
 Average standard error of prediction = 25.9
 Number of variables with no predictors = 0.

Analysis for: Station number 9849 Variable 5

Population Size = 24.
 Population Mean = 2.22
 Population Std. Dev. = .686

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16

1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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able	ples	ors	ors	Correlation Coefficients
15	24	34	0	.98
16	24	336	336	.99
22	11	182	0	.98
23	9	163	0	.95

Resultant sample size = 360.
 Predicted mean = 2.17
 Predicted std dev. = .587
 Average standard error of prediction = 24.8
 Number of variables with no predictors = 0.

Analysis for: Station number 9850 Variable 6

Population Size = 60.
 Population Mean = 2.57
 Population Std. Dev. = .567

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	16	16	16	16	16	3	3	9	9	22	22	9
1976	16	16	16	16	16	3	9	9	9	22	22	9
1977	16	16	16	16	16	3	9	9	9	22	22	22

1978	16	16	16	16	16	3	9	9	9	22	22	9
1979	16	16	16	16	16	3	9	9	9	22	22	22
1980	16	16	16	16	16	3	9	9	9	22	22	9
1981	16	16	16	16	16	3	9	9	9	22	22	9
1982	16	16	16	16	16	3	9	9	9	22	22	9
1983	16	16	16	16	16	3	9	9	9	22	22	9
1984	16	16	16	16	16	3	9	9	9	22	22	9
1985	16	16	16	16	16	3	9	9	9	22	22	22
1986	16	16	16	16	16	3	9	9	9	22	22	9
1987	16	16	16	16	16	3	9	9	9	22	22	9
1988	16	16	16	16	16	3	9	9	9	22	22	22
1989	16	16	16	16	16	3	9	9	9	22	22	9
1990	16	16	16	16	16	3	9	9	9	22	22	9
1991	16	16	16	16	16	3	9	9	9	22	22	9
1992	16	16	16	16	16	3	9	9	9	22	22	9
1993	16	16	16	16	16	3	9	9	9	22	22	9
1994	16	16	16	16	16	3	9	9	9	22	22	9
1995	16	16	16	16	16	3	9	9	9	22	22	9
1996	16	16	16	16	16	3	9	9	9	22	22	9
1997	16	16	16	16	16	3	9	9	9	22	22	9
1998	16	16	16	16	16	3	9	9	9	22	22	9
1999	16	16	16	16	16	3	9	9	9	22	22	9

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3	60	100	26	****	****	****	****	****	.96	.98	****	.91	.93	****	****
9	30	124	95	****	****	****	****	****	****	1.00	.98	1.00	.93	****	.90
16	60	300	125	.97											
22	44	149	54	1.00											
23	52	120	0	.90											

Resultant sample size = 360.
 Predicted mean = 2.53
 Predicted std dev. = .561
 Average standard error of prediction = 19.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9948 Variable 7

Population Size = 24.
 Population Mean = 2.87
 Population Std. Dev. = .577

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	22	22	22	22	22	22
1978	16	16	16	16	16	16	22	22	22	22	22	22
1979	16	16	16	16	16	16	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22

1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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15	24	34	0	.99
16	24	336	154	.99
22	11	182	182	1.00
23	9	163	0	.94

Resultant sample size = 360.
 Predicted mean = 2.85
 Predicted std dev. = .518
 Average standard error of prediction = 11.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9949 Variable 8

Population Size = 24.
 Population Mean = 2.92
 Population Std. Dev. = .524

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	15	15	15	15	15	15	22	22	22	22	22	22
1978	15	15	15	15	15	15	22	22	22	22	22	22
1979	15	15	15	15	15	15	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22

1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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15	24	34	18	.99
16	24	336	136	.99
22	11	182	182	1.00
23	9	163	0	.95

Resultant sample size = 360.
 Predicted mean = 2.89
 Predicted std dev. = .481
 Average standard error of prediction = 13.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9950 Variable 9

Population Size = 193.
 Population Mean = 3.20
 Population Std. Dev. = .471

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	19	19	19	19	0	0	0	0	0	0	0
1973	19	19	19	19	19	19	0	0	0	0	0	0
1974	19	19	19	19	19	19	0	0	0	0	0	0
1975	20	20	20	20	20	20	20	0	0	0	0	0
1976	20	20	20	20	20	20	0	0	0	0	0	0
1977	16	16	16	16	16	16	0	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	0	0	0	0	0	0
1980	16	16	16	16	16	16	0	0	0	0	0	0
1981	16	16	16	16	16	16	0	0	0	0	0	0
1982	16	16	16	16	16	16	0	0	0	0	0	0
1983	16	16	16	16	16	16	0	0	0	0	0	0
1984	16	16	16	16	16	16	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	16	0	0	0	0	0	0
1987	16	16	16	16	16	16	0	0	0	0	0	0
1988	16	16	16	16	16	16	0	0	0	0	0	0
1989	16	16	16	16	16	16	0	0	0	0	0	0
1990	16	16	16	16	16	16	0	0	0	0	0	0
1991	16	16	16	16	16	16	0	0	0	0	0	0

1992	16	16	16	16	16	16	0	0	0	0	0	0
1993	16	16	16	16	16	16	0	0	0	0	0	0
1994	16	16	16	16	16	16	0	0	0	0	0	0
1995	16	16	16	16	16	16	0	0	0	0	0	0
1996	16	16	16	16	16	16	0	0	0	0	0	0
1997	16	16	16	16	16	16	0	0	0	0	0	0
1998	16	16	16	16	16	16	0	0	0	0	0	0
1999	16	16	16	16	16	16	0	0	0	0	0	0

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3	43	1	0	****	****	****	****	****	****	.90	****	****	****	****	****
15	27	31	0	.98											
16	193	167	138	.98											
17	11	13	0	.99											
18	11	13	0	.98											
19	44	16	16	1.00											
20	11	13	13	1.00											
21	11	13	0	1.00											
23	162	10	0	.92											
24	49	24	0	.96											
25	18	18	0	.95											
26	18	18	0	.91											

Resultant sample size = 360.
 Predicted mean = 2.90
 Predicted std dev. = .485
 Average standard error of prediction = 18.6
 Number of variables with no predictors = 0.

Analysis for: Station number 3005 Variable 10

Population Size = 172.
 Population Mean = 3.18
 Population Std. Dev. = .625

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	16	16	16	16	16	16	16	3	0	0	0	0
1975	21	21	16	16	16	16	16	3	0	0	0	0
1976	18	16	16	21	16	16	21	0	0	0	0	0
1977	16	16	16	16	16	16	16	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	16	3	0	0	0	0
1980	16	16	16	16	16	16	16	0	0	0	0	0
1981	16	16	16	16	16	16	16	0	0	0	0	0
1982	16	16	16	16	16	16	0	0	0	0	0	0
1983	16	16	16	16	16	16	16	0	0	0	0	0
1984	16	16	16	16	16	16	16	3	3	0	0	0
1985	16	16	16	16	16	16	16	3	0	0	0	0
1986	16	16	16	16	16	16	16	0	0	0	0	0
1987	16	16	16	16	16	16	16	0	0	0	0	0
1988	16	16	16	16	16	16	16	0	0	0	0	0

1989	16	16	16	16	16	16	16	0	0	0	0	0
1990	16	16	16	16	16	16	16	0	0	0	0	0
1991	25	25	25	24	24	25	25	0	0	0	0	0
1992	25	25	25	24	24	24	25	0	0	0	0	0
1993	25	25	25	24	24	24	25	0	0	0	0	0
1994	16	16	16	16	16	16	16	0	0	0	0	0
1995	16	16	16	16	16	16	16	11	0	0	0	0
1996	16	16	16	16	16	16	16	0	0	0	0	0
1997	24	24	24	24	24	24	24	0	0	0	0	0
1998	16	16	16	16	16	16	16	0	0	0	0	0
1999	16	16	16	16	16	16	16	11	0	0	0	0

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3	82	8	6	****	****	****	****	****	****	****	****	.43	.90	****	****	****
9	58	1	0	****	****	****	****	****	****	****	****	****	.88	****	****	****
11	7	2	2	****	****	****	****	****	****	****	****	.90	****	****	****	****
15	22	36	0	.91												
16	172	188	147	.93												
17	9	15	0	.93												
18	9	15	1	.95												
19	52	8	0	.90												
20	9	15	0	.94												
21	9	15	4	.95												
22	162	31	0	.92												
24	43	30	15	.98												
25	15	21	13	.98												
26	15	21	0	.98												

Resultant sample size = 360.
 Predicted mean = 2.80
 Predicted std dev. = .612
 Average standard error of prediction = 50.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1480 Variable 11

Population Size = 73.
 Population Mean = 1.98
 Population Std. Dev. = .844

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	10	10	3	9	23
1971	23	23	23	23	23	23	23	10	10	3	9	23
1972	23	23	23	23	23	23	23	10	10	3	9	23
1973	23	23	23	23	23	23	23	10	10	3	9	23
1974	16	16	16	16	16	16	16	16	10	3	9	23
1975	16	16	16	16	16	16	16	16	10	3	9	23
1976	16	16	16	16	16	16	16	10	10	3	9	23
1977	16	16	16	16	16	16	16	10	10	3	9	23
1978	16	16	16	16	16	16	23	10	10	3	9	23
1979	16	16	16	16	16	16	16	16	10	3	9	23
1980	16	16	16	16	16	16	16	10	10	3	9	23
1981	16	16	16	16	16	16	16	10	10	3	9	23
1982	16	16	16	16	16	16	23	10	10	3	9	23
1983	16	16	16	16	16	16	16	10	10	3	9	23

1984	16	16	16	16	16	16	16	16	3	3	9	23
1985	16	16	16	16	16	16	16	16	10	3	9	23
1986	16	16	16	16	16	16	16	10	10	3	9	23
1987	16	16	16	16	16	16	16	10	10	3	9	23
1988	16	16	16	16	16	16	16	10	10	3	9	23
1989	16	16	16	16	16	16	16	10	10	3	9	23
1990	16	16	16	16	16	16	16	10	10	3	9	23
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	16	0	0	0	0	0
1995	16	16	16	16	16	16	16	0	0	0	0	0
1996	16	16	16	16	16	16	16	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	16	16	16	16	16	16	16	0	0	0	0	0
1999	16	16	16	16	16	16	16	0	0	0	0	0

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3	73	63	22	****	****	****	****	****	****	****	****	.96	.96	.72	****	
9	49	63	21	****	****	****	****	****	****	****	****	.94	.95	.92	****	
10	43	99	36	****	****	****	****	****	****	****	****	.90	.98	.91	.81	.82
16	73	287	157	.98												
22	49	144	0	.96												
23	43	129	51	.98												

Resultant sample size = 360.
 Predicted mean = 1.68
 Predicted std dev. = .823
 Average standard error of prediction = 37.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1485 Variable 12

Population Size = 36.
 Population Mean = 1.48
 Population Std. Dev. = .956

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	23	23	23	23	23
1971	23	23	23	23	23	23	23	23	23	23	23	23
1972	23	23	23	23	23	23	23	23	23	23	23	23
1973	23	23	23	23	23	23	23	23	23	23	23	23
1974	16	16	16	16	16	16	22	22	23	23	23	23
1975	16	16	16	16	16	16	16	22	23	23	23	23
1976	16	16	16	16	16	16	22	23	23	23	23	23
1977	16	16	16	16	16	16	22	23	23	23	23	23
1978	16	16	16	16	16	16	23	23	23	23	23	23
1979	16	16	16	16	16	16	22	22	23	23	23	23
1980	16	16	16	16	16	16	22	23	23	23	23	23
1981	16	16	16	16	16	16	22	23	23	23	23	23
1982	16	16	16	16	16	16	23	23	23	23	23	23
1983	16	16	16	16	16	16	22	23	23	23	23	23
1984	16	16	16	16	16	16	22	22	22	23	23	23
1985	16	16	16	16	16	16	22	22	23	23	23	23
1986	16	16	16	16	16	16	22	23	23	23	23	23

1987	16	16	16	16	16	16	22	23	23	23	23	23
1988	16	16	16	16	16	16	22	23	23	23	23	23
1989	16	16	16	16	16	16	22	23	23	23	23	23
1990	16	16	16	16	16	16	22	23	23	23	23	23
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	22	23	23	23	23	23
1995	16	16	16	16	16	16	22	22	23	23	23	23
1996	16	16	16	16	16	16	22	23	23	23	23	23
1997	24	24	24	24	24	24	22	23	23	23	23	23
1998	16	16	16	16	16	16	22	23	23	23	23	23
1999	16	16	16	16	16	16	22	22	23	23	23	23

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16	36	324	133	.94
22	18	175	28	.95
23	15	157	157	.98
24	36	37	6	.97

Resultant sample size = 360.
 Predicted mean = 1.50
 Predicted std dev. = .898
 Average standard error of prediction = 54.6
 Number of variables with no predictors = 0.

Analysis for: Station number 1490 Variable 13

Population Size = 36.
 Population Mean = 1.26
 Population Std. Dev. = .866

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	23	23	23	23	23
1971	23	23	23	23	23	23	23	23	23	23	23	23
1972	23	23	23	23	23	23	23	23	23	23	23	23
1973	23	23	23	23	23	23	23	23	23	23	23	23
1974	16	16	16	16	16	16	16	16	23	23	23	23
1975	16	16	16	16	16	16	16	16	23	23	23	23
1976	16	16	16	16	16	16	16	23	23	23	23	23
1977	16	16	16	16	16	16	16	23	23	23	23	23
1978	16	16	16	16	16	16	23	23	23	23	23	23
1979	16	16	16	16	16	16	16	16	23	23	23	23
1980	16	16	16	16	16	16	16	23	23	23	23	23
1981	16	16	16	16	16	16	16	23	23	23	23	23
1982	16	16	16	16	16	16	23	23	23	23	23	23
1983	16	16	16	16	16	16	16	23	23	23	23	23
1984	16	16	16	16	16	16	16	16	16	23	23	23
1985	16	16	16	16	16	16	16	16	23	23	23	23
1986	16	16	16	16	16	16	16	23	23	23	23	23
1987	16	16	16	16	16	16	16	23	23	23	23	23
1988	16	16	16	16	16	16	16	23	23	23	23	23
1989	16	16	16	16	16	16	16	23	23	23	23	23
1990	16	16	16	16	16	16	16	23	23	23	23	23
1991	0	0	0	0	0	0	0	0	0	0	0	0

1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	16	23	23	23	23	23
1995	16	16	16	16	16	16	16	24	23	23	23	23
1996	16	16	16	16	16	16	16	23	23	23	23	23
1997	24	24	24	24	24	24	24	23	23	23	23	23
1998	16	16	16	16	16	16	16	23	23	23	23	23
1999	16	16	16	16	16	16	16	24	23	23	23	23

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16	36	324	158	.96
22	18	175	0	.91
23	15	157	157	.98
24	36	37	9	.98

Resultant sample size = 360.
 Predicted mean = 1.28
 Predicted std dev. = .831
 Average standard error of prediction = 47.5
 Number of variables with no predictors = 0.

The total predicted error was 97320.91 for 1112. predictions

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 13 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 9700 Variable 1

```

Population Size = 28.
Population Mean = 3.42
Population Std. Dev. = .557

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	16	16	16	16	16	16	16	0	0	0	16	0
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	16	16	16	16	16	16	16	16	16	16	16	16
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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able	ples	ors	ors	ors	ors	ors	ors	ors	ors	ors	ors
16	28	332	332	.98							
19	28	32	0	.97							
22	28	165	0	.97							
23	28	144	0	.97							

```

Resultant sample size = 360.
Predicted mean = 3.30
Predicted std dev. = .496
Average standard error of prediction = 23.9
Number of variables with no predictors = 0.

```

Analysis for: Station number 9748 Variable 2

Population Size = 58.
 Population Mean = 3.85
 Population Std. Dev. = .427

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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16 58 302 302 1.00
 22 27 166 0 .98
 23 22 150 0 .91

Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .383
 Average standard error of prediction = 6.4
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 3

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9848 Variable 4
 Population Size = 24.
 Population Mean = 2.34
 Population Std. Dev. = .630

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	22	22	22	22	22	22
1978	16	16	16	16	16	16	22	22	22	22	22	22
1979	16	16	16	16	16	16	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22

1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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15	24	34	0	.98
16	24	336	154	.98
22	11	182	182	.99
23	9	163	0	.93

Resultant sample size = 360.
 Predicted mean = 2.33
 Predicted std dev. = .562
 Average standard error of prediction = 25.9
 Number of variables with no predictors = 0.

Analysis for: Station number 9849 Variable 5

Population Size = 24.
 Population Mean = 2.22
 Population Std. Dev. = .686

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	16	16	16	16	16	16	16	16	16	16	16	16
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	16	16	16	16	16	16
1978	16	16	16	16	16	16	16	16	16	16	16	16
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	16	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	16	16	16	16	16	16	16	16	16	16	16	16
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16

1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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15	24	34	0	.98
16	24	336	336	.99
22	11	182	0	.98
23	9	163	0	.95

Resultant sample size = 360.
 Predicted mean = 2.17
 Predicted std dev. = .587
 Average standard error of prediction = 24.8
 Number of variables with no predictors = 0.

Analysis for: Station number 9850 Variable 6
 Population Size = 60.
 Population Mean = 2.57
 Population Std. Dev. = .567

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	16	16	16	16	16	16	16	22	22	22	22	22
1976	16	16	16	16	16	16	22	22	22	22	22	22
1977	16	16	16	16	16	16	22	22	22	22	22	22
1978	16	16	16	16	16	16	22	22	22	22	22	22
1979	16	16	16	16	16	16	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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16 60 300 151 .97
 22 44 149 149 1.00
 23 52 120 0 .90

Resultant sample size = 360.
 Predicted mean = 2.54
 Predicted std dev. = .544
 Average standard error of prediction = 22.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9948 Variable 7

Population Size = 24.
 Population Mean = 2.87
 Population Std. Dev. = .577

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	16	16	16	16	16	16	22	22	22	22	22	22
1978	16	16	16	16	16	16	22	22	22	22	22	22
1979	16	16	16	16	16	16	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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15 24 34 0 .99
 16 24 336 154 .99

22 11 182 182 1.00
 23 9 163 0 .94

Resultant sample size = 360.
 Predicted mean = 2.85
 Predicted std dev. = .518
 Average standard error of prediction = 11.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9949 Variable 8
 Population Size = 24.
 Population Mean = 2.92
 Population Std. Dev. = .524

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	22	22	22	22	22	22	22	22	22	22	22	22
1971	22	22	22	22	22	22	22	22	22	22	22	22
1972	22	16	16	16	16	22	22	22	22	22	22	22
1973	16	16	16	16	16	16	22	22	22	22	22	22
1974	16	16	16	16	16	16	22	22	22	22	22	22
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	15	15	15	15	15	15	22	22	22	22	22	22
1978	15	15	15	15	15	15	22	22	22	22	22	22
1979	15	15	15	15	15	15	22	22	22	22	22	22
1980	16	16	16	16	16	16	22	22	22	22	22	22
1981	16	16	16	16	16	16	22	22	22	22	22	22
1982	16	16	16	16	16	16	22	22	22	22	22	22
1983	16	16	16	16	16	16	22	22	22	22	22	22
1984	16	16	16	16	16	16	22	22	22	22	22	22
1985	16	16	16	16	16	16	22	22	22	22	22	22
1986	16	16	16	16	16	16	22	22	22	22	22	22
1987	16	16	16	16	16	16	22	22	22	22	22	22
1988	16	16	16	16	16	16	22	22	22	22	22	22
1989	16	16	16	16	16	16	22	22	22	22	22	22
1990	16	16	16	16	16	16	22	22	22	22	22	22
1991	16	16	16	16	16	16	22	22	22	22	22	22
1992	16	16	16	16	16	16	22	22	22	22	22	22
1993	16	16	16	16	16	16	22	22	22	22	22	22
1994	16	16	16	16	16	16	22	22	22	22	22	22
1995	16	16	16	16	16	16	22	22	22	22	22	22
1996	16	16	16	16	16	16	22	22	22	22	22	22
1997	16	16	16	16	16	16	22	22	22	22	22	22
1998	16	16	16	16	16	16	22	22	22	22	22	22
1999	16	16	16	16	16	16	22	22	22	22	22	22

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15 24 34 18 .99
 16 24 336 136 .99
 22 11 182 182 1.00
 23 9 163 0 .95

Resultant sample size = 360.
 Predicted mean = 2.89
 Predicted std dev. = .481
 Average standard error of prediction = 13.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9950 Variable 9

Population Size = 193.
 Population Mean = 3.20
 Population Std. Dev. = .471

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	19	19	19	19	0	0	0	0	0	0	0
1973	19	19	19	19	19	19	0	0	0	0	0	0
1974	19	19	19	19	19	19	0	0	0	0	0	0
1975	20	20	20	20	20	20	20	0	0	0	0	0
1976	20	20	20	20	20	20	20	0	0	0	0	0
1977	16	16	16	16	16	16	0	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	0	0	0	0	0	0
1980	16	16	16	16	16	16	0	0	0	0	0	0
1981	16	16	16	16	16	16	0	0	0	0	0	0
1982	16	16	16	16	16	16	0	0	0	0	0	0
1983	16	16	16	16	16	16	0	0	0	0	0	0
1984	16	16	16	16	16	16	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	16	0	0	0	0	0	0
1987	16	16	16	16	16	16	0	0	0	0	0	0
1988	16	16	16	16	16	16	0	0	0	0	0	0
1989	16	16	16	16	16	16	0	0	0	0	0	0
1990	16	16	16	16	16	16	0	0	0	0	0	0
1991	16	16	16	16	16	16	0	0	0	0	0	0
1992	16	16	16	16	16	16	0	0	0	0	0	0
1993	16	16	16	16	16	16	0	0	0	0	0	0
1994	16	16	16	16	16	16	0	0	0	0	0	0
1995	16	16	16	16	16	16	0	0	0	0	0	0
1996	16	16	16	16	16	16	0	0	0	0	0	0
1997	16	16	16	16	16	16	0	0	0	0	0	0
1998	16	16	16	16	16	16	0	0	0	0	0	0
1999	16	16	16	16	16	16	0	0	0	0	0	0

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15	27	31	0	.98
16	193	167	138	.98
17	11	13	0	.99
18	11	13	0	.98
19	44	16	16	1.00
20	11	13	13	1.00
21	11	13	0	1.00
23	162	10	0	.92
24	49	24	0	.96
25	18	18	0	.95
26	18	18	0	.91

Resultant sample size = 360.
 Predicted mean = 2.90
 Predicted std dev. = .485
 Average standard error of prediction = 18.6
 Number of variables with no predictors = 0.

Analysis for: Station number 3005 Variable 10

Population Size = 172.
 Population Mean = 3.18
 Population Std. Dev. = .625

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	16	16	16	16	16	16	16	16	0	0	0	0
1975	21	21	16	16	16	16	16	18	0	0	0	0
1976	18	16	16	21	16	16	21	0	0	0	0	0
1977	16	16	16	16	16	16	16	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	16	16	0	0	0	0
1980	16	16	16	16	16	16	16	0	0	0	0	0
1981	16	16	16	16	16	16	16	0	0	0	0	0
1982	16	16	16	16	16	16	0	0	0	0	0	0
1983	16	16	16	16	16	16	16	0	0	0	0	0
1984	16	16	16	16	16	16	16	16	16	0	0	0
1985	16	16	16	16	16	16	16	16	0	0	0	0
1986	16	16	16	16	16	16	16	0	0	0	0	0
1987	16	16	16	16	16	16	16	0	0	0	0	0
1988	16	16	16	16	16	16	16	0	0	0	0	0
1989	16	16	16	16	16	16	16	0	0	0	0	0
1990	16	16	16	16	16	16	16	0	0	0	0	0
1991	25	25	25	24	24	25	25	0	0	0	0	0
1992	25	25	25	24	24	24	25	0	0	0	0	0
1993	25	25	25	24	24	24	25	0	0	0	0	0
1994	16	16	16	16	16	16	16	0	0	0	0	0
1995	16	16	16	16	16	16	16	24	0	0	0	0
1996	16	16	16	16	16	16	16	0	0	0	0	0
1997	24	24	24	24	24	24	24	0	0	0	0	0
1998	16	16	16	16	16	16	16	0	0	0	0	0
1999	16	16	16	16	16	16	16	24	0	0	0	0

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15	22	36	0	.91
16	172	188	152	.93
17	9	15	0	.93
18	9	15	2	.95
19	52	8	0	.90
20	9	15	0	.94
21	9	15	4	.95
22	162	31	0	.92
24	43	30	17	.98
25	15	21	13	.98
26	15	21	0	.98

Resultant sample size = 360.
 Predicted mean = 2.81
 Predicted std dev. = .619
 Average standard error of prediction = 50.8
 Number of variables with no predictors = 0.

Analysis for: Station number 1480 Variable 11

Population Size = 73.
 Population Mean = 1.98
 Population Std. Dev. = .844

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	23	23	23	23	23
1971	23	23	23	23	23	23	23	23	23	23	23	23
1972	23	23	23	23	23	23	23	23	23	23	23	23
1973	23	23	23	23	23	23	23	23	23	23	23	23
1974	16	16	16	16	16	16	16	16	23	23	23	23
1975	16	16	16	16	16	16	16	16	23	23	23	23
1976	16	16	16	16	16	16	16	23	23	23	23	23
1977	16	16	16	16	16	16	16	23	23	23	23	23
1978	16	16	16	16	16	16	23	23	23	23	23	23
1979	16	16	16	16	16	16	16	16	23	23	23	23
1980	16	16	16	16	16	16	16	23	23	23	23	23
1981	16	16	16	16	16	16	16	23	23	23	23	23
1982	16	16	16	16	16	16	23	23	23	23	23	23
1983	16	16	16	16	16	16	16	23	23	23	23	23
1984	16	16	16	16	16	16	16	16	16	23	23	23
1985	16	16	16	16	16	16	16	16	23	23	23	23
1986	16	16	16	16	16	16	16	23	23	23	23	23
1987	16	16	16	16	16	16	16	23	23	23	23	23
1988	16	16	16	16	16	16	16	23	23	23	23	23
1989	16	16	16	16	16	16	16	23	23	23	23	23
1990	16	16	16	16	16	16	16	23	23	23	23	23
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	16	0	0	0	0	0
1995	16	16	16	16	16	16	16	0	0	0	0	0
1996	16	16	16	16	16	16	16	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	16	16	16	16	16	16	16	0	0	0	0	0
1999	16	16	16	16	16	16	16	0	0	0	0	0

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16	73	287	158	.98
22	49	144	0	.96
23	43	129	129	.98

Resultant sample size = 360.
 Predicted mean = 1.69
 Predicted std dev. = .826
 Average standard error of prediction = 41.6
 Number of variables with no predictors = 0.

Analysis for: Station number 1485 Variable 12

Population Size = 36.
 Population Mean = 1.48
 Population Std. Dev. = .956

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	23	23	23	23	23
1971	23	23	23	23	23	23	23	23	23	23	23	23
1972	23	23	23	23	23	23	23	23	23	23	23	23

1973	23	23	23	23	23	23	23	23	23	23	23	23
1974	16	16	16	16	16	16	22	22	23	23	23	23
1975	16	16	16	16	16	16	16	22	23	23	23	23
1976	16	16	16	16	16	16	22	23	23	23	23	23
1977	16	16	16	16	16	16	22	23	23	23	23	23
1978	16	16	16	16	16	16	23	23	23	23	23	23
1979	16	16	16	16	16	16	22	22	23	23	23	23
1980	16	16	16	16	16	16	22	23	23	23	23	23
1981	16	16	16	16	16	16	22	23	23	23	23	23
1982	16	16	16	16	16	16	23	23	23	23	23	23
1983	16	16	16	16	16	16	22	23	23	23	23	23
1984	16	16	16	16	16	16	22	22	22	23	23	23
1985	16	16	16	16	16	16	22	22	23	23	23	23
1986	16	16	16	16	16	16	22	23	23	23	23	23
1987	16	16	16	16	16	16	22	23	23	23	23	23
1988	16	16	16	16	16	16	22	23	23	23	23	23
1989	16	16	16	16	16	16	22	23	23	23	23	23
1990	16	16	16	16	16	16	22	23	23	23	23	23
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	22	23	23	23	23	23
1995	16	16	16	16	16	16	22	22	23	23	23	23
1996	16	16	16	16	16	16	22	23	23	23	23	23
1997	24	24	24	24	24	24	22	23	23	23	23	23
1998	16	16	16	16	16	16	22	23	23	23	23	23
1999	16	16	16	16	16	16	22	22	23	23	23	23

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16	36	324	133	.94
22	18	175	28	.95
23	15	157	157	.98
24	36	37	6	.97

Resultant sample size = 360.
 Predicted mean = 1.50
 Predicted std dev. = .898
 Average standard error of prediction = 54.6
 Number of variables with no predictors = 0.

Analysis for: Station number 1490 Variable 13

Population Size = 36.
 Population Mean = 1.26
 Population Std. Dev. = .866

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	23	23	23	23	23	23	23	23	23	23	23	23
1971	23	23	23	23	23	23	23	23	23	23	23	23
1972	23	23	23	23	23	23	23	23	23	23	23	23
1973	23	23	23	23	23	23	23	23	23	23	23	23
1974	16	16	16	16	16	16	16	16	23	23	23	23
1975	16	16	16	16	16	16	16	16	23	23	23	23
1976	16	16	16	16	16	16	16	23	23	23	23	23
1977	16	16	16	16	16	16	16	23	23	23	23	23
1978	16	16	16	16	16	16	23	23	23	23	23	23
1979	16	16	16	16	16	16	16	16	23	23	23	23
1980	16	16	16	16	16	16	16	23	23	23	23	23
1981	16	16	16	16	16	16	16	23	23	23	23	23

1982	16	16	16	16	16	16	23	23	23	23	23	23
1983	16	16	16	16	16	16	16	23	23	23	23	23
1984	16	16	16	16	16	16	16	16	16	23	23	23
1985	16	16	16	16	16	16	16	16	23	23	23	23
1986	16	16	16	16	16	16	16	23	23	23	23	23
1987	16	16	16	16	16	16	16	23	23	23	23	23
1988	16	16	16	16	16	16	16	23	23	23	23	23
1989	16	16	16	16	16	16	16	23	23	23	23	23
1990	16	16	16	16	16	16	16	23	23	23	23	23
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	16	16	16	16	16	16	16	23	23	23	23	23
1995	16	16	16	16	16	16	16	24	23	23	23	23
1996	16	16	16	16	16	16	16	23	23	23	23	23
1997	24	24	24	24	24	24	24	23	23	23	23	23
1998	16	16	16	16	16	16	16	23	23	23	23	23
1999	16	16	16	16	16	16	16	24	23	23	23	23

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16	36	324	158	.96
22	18	175	0	.91
23	15	157	157	.98
24	36	37	9	.98

Resultant sample size = 360.
 Predicted mean = 1.28
 Predicted std dev. = .831
 Average standard error of prediction = 47.5
 Number of variables with no predictors = 0.

The total predicted error was 99898.84 for 1112. predictions

USGS MOVE.1 GROUPS
CLEAR CREEK MODEL
NATURAL FLOW STATIONS

CLERNAT7.SUM
CLEANAT7.SUM

CLERNAT7: Natural Flow Sites - Clear Creek Model with Stations 06309200 and 06311000

USGS # MOVE # # 1 # 2 Name

06309200	9200	1	8	Middle Fork Powder River Near Barnum, WY
06311000	1100	2	9	North Fork Powder River Near Hazelton, WY
06317300	1730	3	10	Sourdough Creek Near Buffalo, WY
06317340	1734	4	11	Little Sourdough Creek Near Buffalo, WY
06319470	1947	5	12	South Rock Creek at Forest Boundary, Near Buffalo, WY
06319480	1948	6	13	South Rock Creek Above Red Canyon, Near Buffalo, WY
06321500	2150	7	14	North Piney Creek Near Story, WY

also for **CLEANAT7: noncyclic run**

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 7 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 9200 Variable 1

```

Population Size = 360.
Population Mean = 2.87
Population Std. Dev. = .489

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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```

```

Resultant sample size = 360.
Predicted mean = 2.87
Predicted std dev. = .489
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 1100 Variable 2

```

Population Size = 360.
Population Mean = 2.60
Population Std. Dev. = .524

```

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.60
 Predicted std dev. = .524
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1730 Variable 3

Population Size = 69.
 Population Mean = 1.94
 Population Std. Dev. = .484

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	2	9	2	9	9	9	2	2	2	2
1971	9	9	2	9	2	9	9	9	2	2	2	2
1972	9	9	2	9	2	9	9	9	2	2	2	2
1973	9	9	2	9	2	9	9	9	2	2	2	2
1974	9	9	2	9	2	9	9	9	2	2	2	2
1975	9	9	2	9	2	9	9	9	2	9	2	2
1976	9	9	2	9	2	9	9	9	2	2	2	2
1977	9	9	2	9	2	9	9	9	2	2	2	2
1978	9	9	2	9	2	9	9	9	2	2	2	2
1979	9	9	2	9	2	9	9	9	2	2	2	2
1980	9	9	2	9	2	9	9	9	2	2	2	2
1981	9	9	2	9	2	9	9	9	2	2	2	2
1982	9	9	2	9	2	9	9	9	2	2	2	2
1983	9	9	9	9	2	9	9	9	2	2	2	2
1984	9	9	2	9	2	9	9	9	2	2	2	2

1985	9	9	2	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	9	9	2	9	2	9	9	9	2	2	2	2
1992	9	9	2	9	2	9	9	9	2	9	2	2
1993	9	9	2	9	1	9	9	9	2	2	2	2
1994	9	9	2	9	2	9	9	9	2	2	2	2
1995	9	9	2	9	2	9	9	9	2	2	2	2
1996	9	9	2	9	2	9	9	9	2	2	2	2
1997	9	9	2	9	2	9	9	9	2	2	2	2
1998	9	9	2	9	1	9	9	9	2	2	2	2
1999	9	9	2	9	2	9	9	9	2	2	2	2

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1	69	24	2	****	****	****	****	.86	****	****	****	****	****	****	****	****
2	69	145	140	****	****	.91	****	.88	****	****	****	.96	.92	.93	.85	
8	69	291	0	.73												
9	69	291	149	.92												

Resultant sample size = 360.
 Predicted mean = 2.02
 Predicted std dev. = .576
 Average standard error of prediction = 37.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1734 Variable 4
 Population Size = 45.
 Population Mean = .50
 Population Std. Dev. = 1.640

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	9	9	9	9	9	9	9	9	9	9	9
1976	9	9	9	9	9	9	9	9	9	9	9	9
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	9	9	9	9	9	9	9	10	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9

1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8	45	315	0	.66
9	45	315	314	.76
10	45	24	1	.75

Resultant sample size = 360.
 Predicted mean = .48
 Predicted std dev. = 1.785
 Average standard error of prediction = 2589.5
 Number of variables with no predictors = 0.

Analysis for: Station number 1947 Variable 5
 Population Size = 23.
 Population Mean = 2.80
 Population Std. Dev. = .581

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8	23	337	0	.91
9	23	337	337	.99
14	23	133	0	.96

Resultant sample size = 360.
 Predicted mean = 2.78
 Predicted std dev. = .511
 Average standard error of prediction = 24.7
 Number of variables with no predictors = 0.

Analysis for: Station number 1948 Variable 6

Population Size = 23.
 Population Mean = 2.79
 Population Std. Dev. = .589

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8	23	337	0	.90
9	23	337	337	.99
14	23	133	0	.96

Resultant sample size = 360.
 Predicted mean = 2.77
 Predicted std dev. = .518
 Average standard error of prediction = 24.9
 Number of variables with no predictors = 0.

Analysis for: Station number 2150 Variable 7

Population Size = 156.
 Population Mean = 3.01
 Population Std. Dev. = .513

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	9	9	9	9	2	1	1	1	1	2	2	2
1984	9	9	9	9	2	1	1	1	1	2	2	2
1985	9	9	9	9	2	1	1	1	1	2	2	2
1986	9	9	9	9	2	1	9	1	1	2	1	2
1987	9	9	9	9	2	1	9	1	1	2	1	2
1988	9	9	9	9	2	1	1	1	1	2	1	2
1989	9	9	9	9	2	1	1	1	1	2	2	2
1990	9	9	9	9	2	1	1	1	1	2	2	2
1991	9	9	9	9	2	1	1	1	1	2	2	2
1992	9	9	9	9	2	1	1	1	1	2	2	2
1993	9	9	9	9	2	1	1	1	1	2	2	2
1994	9	9	9	9	2	1	1	1	1	2	2	2
1995	9	9	9	9	2	1	1	1	1	2	2	2
1996	9	9	9	9	2	1	1	1	1	2	2	2
1997	9	9	9	9	2	1	1	1	1	2	2	2
1998	9	9	9	9	2	1	1	1	1	2	2	2
1999	9	9	9	9	2	1	9	1	1	2	2	2

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1	156	119	68	****	****	****	****	****	.85	.85	.68	.88	.84	.67	.59
2	156	85	65	****	****	****	****	.65	****	.74	****	****	.90	.69	.75
8	156	204	0	.95											
9	156	204	71	.95											

Resultant sample size = 360.
 Predicted mean = 3.04
 Predicted std dev. = .497
 Average standard error of prediction = 29.5
 Number of variables with no predictors = 0.

The total predicted error was 849179.50 for 1036. predictions

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 7 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 9200 Variable 1

```

Population Size = 360.
Population Mean = 2.87
Population Std. Dev. = .489

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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```

```

Resultant sample size = 360.
Predicted mean = 2.87
Predicted std dev. = .489
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 1100 Variable 2

```

Population Size = 360.
Population Mean = 2.60
Population Std. Dev. = .524

```

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.60
 Predicted std dev. = .524
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1730 Variable 3

Population Size = 69.
 Population Mean = 1.94
 Population Std. Dev. = .484

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	9	9	9	9	9	9	9	9	9	9	9
1976	9	9	9	9	9	9	9	9	9	9	9	9
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9

1985	9	9	9	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8	69	291	0	.73
9	69	291	291	.92

Resultant sample size = 360.
 Predicted mean = 1.96
 Predicted std dev. = .509
 Average standard error of prediction = 46.0
 Number of variables with no predictors = 0.

Analysis for: Station number 1734 Variable 4

Population Size = 45.
 Population Mean = .50
 Population Std. Dev. = 1.640

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	9	9	9	9	9	9	9	9	9	9	9
1976	9	9	9	9	9	9	9	9	9	9	9	9
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	9	9	9	9	9	9	9	10	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8 45 315 0 .66
 9 45 315 314 .76
 10 45 24 1 .75

Resultant sample size = 360.
 Predicted mean = .48
 Predicted std dev. = 1.785
 Average standard error of prediction = 2589.5
 Number of variables with no predictors = 0.

Analysis for: Station number 1947 Variable 5
 Population Size = 23.
 Population Mean = 2.80
 Population Std. Dev. = .581

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8 23 337 0 .91
 9 23 337 337 .99
 14 23 133 0 .96

Resultant sample size = 360.
 Predicted mean = 2.78
 Predicted std dev. = .511
 Average standard error of prediction = 24.7
 Number of variables with no predictors = 0.

Analysis for: Station number 1948 Variable 6
 Population Size = 23.
 Population Mean = 2.79
 Population Std. Dev. = .589

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8	23	337	0	.90
9	23	337	337	.99
14	23	133	0	.96

Resultant sample size = 360.
 Predicted mean = 2.77
 Predicted std dev. = .518
 Average standard error of prediction = 24.9
 Number of variables with no predictors = 0.

Analysis for: Station number 2150 Variable 7
 Population Size = 156.
 Population Mean = 3.01
 Population Std. Dev. = .513

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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8 156 204 0 .95
 9 156 204 204 .95

Resultant sample size = 360.
 Predicted mean = 3.05
 Predicted std dev. = .507
 Average standard error of prediction = 37.7
 Number of variables with no predictors = 0.

The total predicted error was 853431.60 for 1036. predictions

USGS MOVE.1 GROUPS
POWDER RIVER MODEL
NATURAL FLOW STATIONS

POWANAT7.SUM

POWANAT7: Natural Flow Sites - Powder River Model

USGS #	MOVE #	# 1	# 2	Name
06309200	9200	1	9	Middle Fork Powder River Near Barnum, WY
06309260	9260	3	11	Buffalo Creek Above North Fork Buffalo Creek, Near Arminto, WY
06309270	9270	4	12	North Fork Buffalo Creek Near Arminto, WY
06309280	9280	2	10	Buffalo Creek Below North Fork Buffalo Creek, Near Arminto, WY
06309450	9450	5	13	Beaver Creek Below Bayer Creek, Near Barnum, WY
06309460	9460	6	14	Beaver Creek Above White Panther Ditch, Near Barnum, WY
06311000	1100	7	15	North Fork Powder River Near Hazelton, WY
06313180	1318	8	16	Dugout Creek Tributary Near Midwest, WY

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 8 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 9200 Variable 1

```

Population Size = 360.
Population Mean = 2.87
Population Std. Dev. = .489

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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```

```

Resultant sample size = 360.
Predicted mean = 2.87
Predicted std dev. = .489
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 9280 Variable 2

```

Population Size = 59.
Population Mean = -.56
Population Std. Dev. = 2.121

```

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	15	15	15	15	15	15	15	15	15	15	15	15
1984	15	15	15	15	15	15	15	15	15	15	15	15
1985	15	15	15	15	15	15	15	15	15	15	15	15
1986	15	15	15	15	15	15	15	15	15	15	15	15
1987	15	15	15	15	15	15	15	15	15	15	15	15
1988	15	15	15	15	15	15	15	15	15	15	15	15
1989	15	15	15	15	15	15	15	15	15	15	15	15
1990	15	15	15	15	15	15	15	15	15	15	15	15
1991	15	15	15	15	15	15	15	15	15	15	15	15
1992	15	15	15	15	15	15	15	15	15	15	15	15
1993	15	15	15	15	15	15	15	15	15	15	15	15
1994	15	15	15	15	15	15	15	15	15	15	15	15
1995	15	15	15	15	15	15	15	15	15	15	15	15
1996	15	15	15	15	15	15	15	15	15	15	15	15
1997	15	15	15	15	15	15	15	15	15	15	15	15
1998	15	15	15	15	15	15	15	15	15	15	15	15
1999	15	15	15	15	15	15	15	15	15	15	15	15

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9	59	301	0	.88
13	59	120	0	.85
14	59	120	0	.83
15	59	301	301	.91
16	59	49	0	.39

Resultant sample size = 360.
 Predicted mean = -.65
 Predicted std dev. = 2.017
 Average standard error of prediction = 846.1
 Number of variables with no predictors = 0.

Analysis for: Station number 9260 Variable 3

 Population Size = 59.
 Population Mean = 1.74
 Population Std. Dev. = .647

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0

1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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9	59	301	301	.99
13	59	120	0	.97
14	59	120	0	.95
15	59	301	0	.95
16	59	49	0	.50

Resultant sample size = 360.
 Predicted mean = 1.74
 Predicted std dev. = .609
 Average standard error of prediction = 26.2
 Number of variables with no predictors = 0.

Analysis for: Station number 9270 Variable 4
 Population Size = 59.
 Population Mean = 2.14
 Population Std. Dev. = .503

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	9	9	9	9	9	9	9	9	9	9	9	9
1986	9	9	9	9	9	9	9	9	9	9	9	9
1987	9	9	9	9	9	9	9	9	9	9	9	9
1988	9	9	9	9	9	9	9	9	9	9	9	9
1989	9	9	9	9	9	9	9	9	9	9	9	9
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9

1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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9	59	301	301	.98
13	59	120	0	.97
14	59	120	0	.96
15	59	301	0	.94
16	59	49	0	.48

Resultant sample size = 360.
 Predicted mean = 2.14
 Predicted std dev. = .474
 Average standard error of prediction = 21.6
 Number of variables with no predictors = 0.

Analysis for: Station number 9450 Variable 5
 Population Size = 179.
 Population Mean = 2.39
 Population Std. Dev. = .382

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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9 179 181 181 .94
 15 179 181 0 .93
 16 107 1 0 .51

Resultant sample size = 360.
 Predicted mean = 2.41
 Predicted std dev. = .389
 Average standard error of prediction = 31.7
 Number of variables with no predictors = 0.

Analysis for: Station number 9460 Variable 6
 Population Size = 179.
 Population Mean = 2.86
 Population Std. Dev. = .215

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	9	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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9 179 181 181 .91
 15 179 181 0 .87
 16 107 1 0 .47

Resultant sample size = 360.
 Predicted mean = 2.87
 Predicted std dev. = .218
 Average standard error of prediction = 20.9

Number of variables with no predictors = 0.

Analysis for: Station number 1100 Variable 7
Population Size = 360.
Population Mean = 2.60
Population Std. Dev. = .524

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
Predicted mean = 2.60
Predicted std dev. = .524
Average standard error of prediction = .0
Number of variables with no predictors = 0.

Analysis for: Station number 1318 Variable 8
Population Size = 108.
Population Mean = -.43
Population Std. Dev. = 1.518

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	9	9	9	9	9	9	9	9	9	9	9
1971	9	9	9	9	9	9	9	9	9	9	9	9
1972	9	9	9	9	9	9	9	9	9	9	9	9
1973	9	9	9	9	9	9	9	9	9	9	9	9
1974	9	9	9	9	9	9	9	9	9	9	9	9

1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	13	13	13	13	9	9	13	13	13	9	9	13
1985	13	13	13	9	9	13	13	13	13	13	13	9
1986	9	9	9	9	9	9	13	13	13	9	13	13
1987	13	9	9	9	9	9	13	13	9	9	13	13
1988	13	13	9	9	9	9	13	13	9	13	13	13
1989	13	13	13	9	9	9	13	13	13	13	13	13
1990	9	9	9	9	9	9	9	9	9	9	9	9
1991	9	9	9	9	9	9	9	9	9	9	9	9
1992	9	9	9	9	9	9	9	9	9	9	9	9
1993	9	9	9	9	9	9	9	9	9	9	9	9
1994	9	9	9	9	9	9	9	9	9	9	9	9
1995	9	9	9	9	9	9	9	9	9	9	9	9
1996	9	9	9	9	9	9	9	9	9	9	9	9
1997	9	9	9	9	9	9	9	9	9	9	9	9
1998	9	9	9	9	9	9	9	9	9	9	9	9
1999	9	9	9	9	9	9	9	9	9	9	9	9

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9	108	252	209	.51
13	107	72	43	.51
14	107	72	0	.47
15	108	252	0	.44

Resultant sample size = 360.
 Predicted mean = -.40
 Predicted std dev. = 1.461
 Average standard error of prediction = 10706.4
 Number of variables with no predictors = 0.

The total predicted error was 2976612.00 for 1363. predictions

USGS MOVE.1 GROUPS
CRAZY WOMAN CREEK MODEL
NATURAL FLOW STATIONS

CRABNAT7.SUM
CRAANAT7.SUM

CRABNAT7: Natural Flow Sites - Crazy Woman Creek Model with Station 06311000

USGS # MOVE # # 1 # 2 Name

06311000	1100	1	8	North Fork Powder River Near Hazelton, WY
06313950	1395	2	9	North Fork Crazy Woman Creek Below Pole Creek, Near Buffalo, WY
06314000	1400	3	10	North Fork Crazy Woman Creek Near Buffalo, WY
06314500	1450	4	11	North Fork Crazy Woman Creek Below Spring Draw, Near Buffalo, WY
06315480	1548	5	12	Poison Creek Below Tetley Spring, Near Mayoworth, WY
06315490	1549	7	14	Poison Creek Near Mayoworth, WY
06315500	1550	6	13	Middle Fork Crazy Woman Creek Near Greub, WY

also for **CRAANAT7: noncyclic run**

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 7 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 1100 Variable 1

```

Population Size = 360.
Population Mean = 2.60
Population Std. Dev. = .524

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

```

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```

```

Resultant sample size = 360.
Predicted mean = 2.60
Predicted std dev. = .524
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 1395 Variable 2

```

Population Size = 132.
Population Mean = 2.89
Population Std. Dev. = .478

```

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	1	8	8	8	1	1	8	1	1	1	1
1971	8	1	8	8	8	1	1	8	1	1	1	1
1972	8	1	8	8	8	1	1	8	1	1	1	1
1973	1	1	8	8	8	1	1	8	1	1	1	1
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	1	1	8	8	8	1	1	8	8	1	1	1
1986	8	1	8	8	8	1	1	8	1	1	1	1
1987	8	1	8	8	8	1	8	8	1	1	1	1
1988	8	1	8	8	8	1	1	8	1	1	1	1
1989	8	1	8	8	8	1	1	8	1	1	1	1
1990	8	1	8	8	8	1	1	8	1	1	1	1
1991	1	1	8	8	8	1	1	8	1	1	1	1
1992	1	1	8	8	8	1	1	8	1	1	1	1
1993	1	1	8	8	8	1	1	8	1	1	1	1
1994	8	1	8	8	8	1	1	8	1	1	1	1
1995	1	1	8	8	8	1	1	8	1	1	1	1
1996	8	1	8	8	8	1	1	8	1	1	1	1
1997	8	1	8	8	8	1	1	8	1	1	1	1
1998	8	1	8	8	8	1	1	8	1	1	1	1
1999	8	1	8	8	8	1	1	8	1	1	1	1

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1	132	152	137	.81	.79	****	****	****	.61	.87	****	.90	.96	.89	.88
8	132	228	91	.97											

Resultant sample size = 360.
 Predicted mean = 2.90
 Predicted std dev. = .465
 Average standard error of prediction = 25.9
 Number of variables with no predictors = 0.

Analysis for: Station number 1400 Variable 3

 Population Size = 132.
 Population Mean = 2.90
 Population Std. Dev. = .470

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	1	1	8	8	1	1	8	1	1	1	1
1971	8	1	1	8	8	1	1	8	1	1	1	1
1972	8	1	1	8	8	1	1	8	1	1	1	1
1973	8	1	1	8	8	1	1	8	1	1	1	1
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0

1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	8	1	1	8	8	1	1	8	1	1	1	1
1986	8	1	1	8	8	1	1	8	1	1	1	1
1987	8	1	1	8	8	1	1	8	1	1	1	1
1988	8	1	1	8	8	1	1	8	1	1	1	1
1989	8	1	1	8	8	1	1	8	1	1	1	1
1990	8	1	1	8	8	1	1	8	1	1	1	1
1991	8	1	1	8	8	1	1	8	1	1	1	1
1992	8	1	1	8	8	1	1	8	1	1	1	1
1993	8	1	1	8	8	1	1	8	1	1	1	1
1994	8	1	1	8	8	1	1	8	1	1	1	1
1995	8	1	1	8	8	1	1	8	1	1	1	1
1996	8	1	1	8	8	1	1	8	1	1	1	1
1997	8	1	1	8	8	1	1	8	1	1	1	1
1998	8	1	1	8	8	1	1	8	1	1	1	1
1999	8	8	1	8	8	1	1	8	1	1	1	1

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1	132	171	150	.82	.74	.64	****	****	.64	.88	****	.94	.97	.93	.90
8	132	228	78	.97											

Resultant sample size = 360.
 Predicted mean = 2.90
 Predicted std dev. = .458
 Average standard error of prediction = 24.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1450 Variable 4
 Population Size = 32.
 Population Mean = 2.84
 Population Std. Dev. = .569

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	8	8	8	8	0	0	0	0	0	0	0
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	8	8	8	8	8	8	8	8	8	8	8	8
1975	8	8	8	8	8	8	8	8	8	8	8	8
1976	8	8	8	8	8	8	8	8	8	8	8	8
1977	8	8	8	8	8	8	8	8	8	8	8	8
1978	8	8	8	8	8	8	8	8	8	8	8	8
1979	8	8	8	8	8	8	8	8	8	8	8	8
1980	8	8	8	8	8	8	8	8	8	8	8	8
1981	8	8	8	8	8	8	8	8	8	8	8	8
1982	8	8	8	8	8	8	8	8	8	8	8	8
1983	8	8	8	8	8	8	8	8	8	8	8	8
1984	8	8	8	8	8	8	8	8	8	8	8	8
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8

1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 32 328 328 .96

Resultant sample size = 360.
 Predicted mean = 2.88
 Predicted std dev. = .539
 Average standard error of prediction = 39.0
 Number of variables with no predictors = 0.

Analysis for: Station number 1548 Variable 5

Population Size = 24.
 Population Mean = 2.42
 Population Std. Dev. = .397

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 24 336 228 .89
 9 24 108 108 .91
 10 24 108 0 .91

Resultant sample size = 360.
 Predicted mean = 2.41
 Predicted std dev. = .354
 Average standard error of prediction = 44.8
 Number of variables with no predictors = 0.

Analysis for: Station number 1550 Variable 6
 Population Size = 32.
 Population Mean = 2.93
 Population Std. Dev. = .457

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	8	8	8	8	0	0	0	0	0	0	0
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	8	8	8	8	8	8	8	8	8	8	8	8
1975	8	8	8	8	8	8	8	8	8	8	8	8
1976	8	8	8	8	8	8	8	8	8	8	8	8
1977	8	8	8	8	8	8	8	8	8	8	8	8
1978	8	8	8	8	8	8	8	8	8	8	8	8
1979	8	8	8	8	8	8	8	8	8	8	8	8
1980	8	8	8	8	8	8	8	8	8	8	8	8
1981	8	8	8	8	8	8	8	8	8	8	8	8
1982	8	8	8	8	8	8	8	8	8	8	8	8
1983	8	8	8	8	8	8	8	8	8	8	8	8
1984	8	8	8	8	8	8	8	8	8	8	8	8
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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 8 32 328 328 .93

Resultant sample size = 360.
 Predicted mean = 2.96
 Predicted std dev. = .433
 Average standard error of prediction = 43.5
 Number of variables with no predictors = 0.

Analysis for: Station number 1549 Variable 7
 Population Size = 24.
 Population Mean = 2.48
 Population Std. Dev. = .376

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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	rent	Pre	Pre		
Vari	Sam	dict	dict		
able	ples	ors	ors	Correlation	Coefficients
8	24	336	228	.90	
9	24	108	108	.92	
10	24	108	0	.92	

Resultant sample size = 360.
 Predicted mean = 2.47
 Predicted std dev. = .336
 Average standard error of prediction = 39.7
 Number of variables with no predictors = 0.

The total predicted error was 66843.53 for 736. predictions


```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 7 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 1100 Variable 1

```

Population Size = 360.
Population Mean = 2.60
Population Std. Dev. = .524

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

```

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```

```

Resultant sample size = 360.
Predicted mean = 2.60
Predicted std dev. = .524
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 1395 Variable 2

```

Population Size = 132.

```

Population Mean = 2.89
 Population Std. Dev. = .478

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 132 228 228 .97

Resultant sample size = 360.
 Predicted mean = 2.89
 Predicted std dev. = .465
 Average standard error of prediction = 29.6
 Number of variables with no predictors = 0.

Analysis for: Station number 1400 Variable 3

Population Size = 132.
 Population Mean = 2.90
 Population Std. Dev. = .470

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0

1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 132 228 228 .97

Resultant sample size = 360.
 Predicted mean = 2.90
 Predicted std dev. = .458
 Average standard error of prediction = 28.3
 Number of variables with no predictors = 0.

Analysis for: Station number 1450 Variable 4

Population Size = 32.
 Population Mean = 2.84
 Population Std. Dev. = .569

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	8	8	8	8	0	0	0	0	0	0	0
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	8	8	8	8	8	8	8	8	8	8	8	8
1975	8	8	8	8	8	8	8	8	8	8	8	8
1976	8	8	8	8	8	8	8	8	8	8	8	8
1977	8	8	8	8	8	8	8	8	8	8	8	8
1978	8	8	8	8	8	8	8	8	8	8	8	8
1979	8	8	8	8	8	8	8	8	8	8	8	8
1980	8	8	8	8	8	8	8	8	8	8	8	8
1981	8	8	8	8	8	8	8	8	8	8	8	8
1982	8	8	8	8	8	8	8	8	8	8	8	8
1983	8	8	8	8	8	8	8	8	8	8	8	8
1984	8	8	8	8	8	8	8	8	8	8	8	8
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8

1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 32 328 328 .96

Resultant sample size = 360.
 Predicted mean = 2.88
 Predicted std dev. = .539
 Average standard error of prediction = 39.0
 Number of variables with no predictors = 0.

Analysis for: Station number 1548 Variable 5

Population Size = 24.
 Population Mean = 2.42
 Population Std. Dev. = .397

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 24 336 228 .89
 9 24 108 108 .91
 10 24 108 0 .91

Resultant sample size = 360.
 Predicted mean = 2.41
 Predicted std dev. = .354
 Average standard error of prediction = 44.8
 Number of variables with no predictors = 0.

Analysis for: Station number 1550 Variable 6

Population Size = 32.
 Population Mean = 2.93
 Population Std. Dev. = .457

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	8	8	8	8	0	0	0	0	0	0	0
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	8	8	8	8	8	8	8	8	8	8	8	8
1975	8	8	8	8	8	8	8	8	8	8	8	8
1976	8	8	8	8	8	8	8	8	8	8	8	8
1977	8	8	8	8	8	8	8	8	8	8	8	8
1978	8	8	8	8	8	8	8	8	8	8	8	8
1979	8	8	8	8	8	8	8	8	8	8	8	8
1980	8	8	8	8	8	8	8	8	8	8	8	8
1981	8	8	8	8	8	8	8	8	8	8	8	8
1982	8	8	8	8	8	8	8	8	8	8	8	8
1983	8	8	8	8	8	8	8	8	8	8	8	8
1984	8	8	8	8	8	8	8	8	8	8	8	8
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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8 32 328 328 .93

Resultant sample size = 360.
 Predicted mean = 2.96
 Predicted std dev. = .433
 Average standard error of prediction = 43.5
 Number of variables with no predictors = 0.

Analysis for: Station number 1549 Variable 7

Population Size = 24.
 Population Mean = 2.48
 Population Std. Dev. = .376

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	8	8	8	8	8	8	8	8	8	8	8
1971	8	8	8	8	8	8	8	8	8	8	8	8
1972	8	8	8	8	8	8	8	8	8	8	8	8
1973	8	8	8	8	8	8	8	8	8	8	8	8
1974	9	9	9	9	9	9	9	9	9	9	9	9
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	9	9	9	9	9	9	9	9	9	9	9	9
1978	9	9	9	9	9	9	9	9	9	9	9	9
1979	9	9	9	9	9	9	9	9	9	9	9	9
1980	9	9	9	9	9	9	9	9	9	9	9	9
1981	9	9	9	9	9	9	9	9	9	9	9	9
1982	9	9	9	9	9	9	9	9	9	9	9	9
1983	9	9	9	9	9	9	9	9	9	9	9	9
1984	9	9	9	9	9	9	9	9	9	9	9	9
1985	8	8	8	8	8	8	8	8	8	8	8	8
1986	8	8	8	8	8	8	8	8	8	8	8	8
1987	8	8	8	8	8	8	8	8	8	8	8	8
1988	8	8	8	8	8	8	8	8	8	8	8	8
1989	8	8	8	8	8	8	8	8	8	8	8	8
1990	8	8	8	8	8	8	8	8	8	8	8	8
1991	8	8	8	8	8	8	8	8	8	8	8	8
1992	8	8	8	8	8	8	8	8	8	8	8	8
1993	8	8	8	8	8	8	8	8	8	8	8	8
1994	8	8	8	8	8	8	8	8	8	8	8	8
1995	8	8	8	8	8	8	8	8	8	8	8	8
1996	8	8	8	8	8	8	8	8	8	8	8	8
1997	8	8	8	8	8	8	8	8	8	8	8	8
1998	8	8	8	8	8	8	8	8	8	8	8	8
1999	8	8	8	8	8	8	8	8	8	8	8	8

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Con	ten	Act	Correlation Coefficients	
cur	tial	ual		
rent	Pre	Pre		
Vari	Sam	dict	dict	
able	ples	ors	ors	
8	24	336	228	.90
9	24	108	108	.92
10	24	108	0	.92

Resultant sample size = 360.
 Predicted mean = 2.47
 Predicted std dev. = .336
 Average standard error of prediction = 39.7
 Number of variables with no predictors = 0.

The total predicted error was 68657.13 for 736. predictions

USGS MOVE.1 GROUPS
LITTLE BIGHORN RIVER & TONGUE RIVER MODELS
NONNATURAL FLOW STATIONS

TONBNON7.SUM
TONDNON7.SUM
NONTONC7.SUM

TONBNON7: Nonnatural Flow Sites - Little Bighorn River & Tongue River Models with Station 06317000 and without Station 06306300

USGS #	MOVE #	# 1	# 2	Name
06289600	8960	1	10	West Pass Creek Near Parkman, WY
06289820	8982	2	11	East Pass Creek Near Dayton, WY
06289870	8987	3	12	Twin Creek Near Parkman, WY
06302000	3020	4	13	Big Goose Creek Near Sheridan, WY
06303500	3500	5	14	Little Goose Creek Near Big Horn, WY
06305500	5500	6	15	Goose Creek Below Sheridan, WY
06305700	5700	7	16	Goose Creek Near Acme, WY
06306250	6250	8	17	Prairie Dog Creek Near Acme, WY
06317000	1700	9	18	Powder River at Arvada, WY

also for **TONDNON7: noncyclic run**


```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 9 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 8960 Variable 1

```

Population Size = 189.
Population Mean = 2.79
Population Std. Dev. = .260

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	15	15	15	9	15	8	5	5	4	5	5
1971	9	15	15	15	9	15	15	5	5	4	5	5
1972	9	15	15	15	9	15	8	5	5	4	5	5
1973	9	15	15	15	9	15	8	5	5	4	5	5
1974	9	15	15	15	9	15	8	5	5	4	5	5
1975	9	15	15	15	9	15	8	5	5	4	5	5
1976	9	15	15	15	9	15	8	5	5	4	5	5
1977	9	15	15	15	9	15	8	5	5	4	5	5
1978	9	15	15	15	9	15	8	5	5	4	5	5
1979	9	15	15	15	9	15	8	5	5	4	5	5
1980	9	15	15	15	9	15	15	5	5	4	4	5
1981	9	15	15	15	9	15	15	5	5	4	15	5
1982	9	15	15	15	9	15	8	15	5	4	4	5
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	2	2	2	2	7	2	0	0	0	0	0	0
1986	2	2	2	2	9	0	0	0	0	0	0	0
1987	0	2	2	2	7	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Correlation Coefficients

2	87	15	12	.87	.78	.84	.79	.72	.92	.00	.00	.00	.00	.00	
4	102	65	15	****	****	****	****	****	****	****	.54	.88	.82	.55	.50
5	100	65	48	****	****	****	****	****	****	****	.85	.93	.61	.62	.60
7	75	12	2	.68	.59	****	.79	.79	.77	.00	.00	.00	.00	.00	.00
8	101	34	10	****	****	****	****	****	****	.59	.83	.50	****	****	****
9	189	70	27	.53	****	****	****	.75	****	****	.73	.81	.72	****	****
11	189	15	0	.93											
13	102	91	0	.71											
14	100	89	0	.71											
15	24	156	57	.91											
16	170	15	0	.84											
17	101	131	0	.27											

18 189 171 0 .61

Resultant sample size = 360.
 Predicted mean = 2.80
 Predicted std dev. = .263
 Average standard error of prediction = 24.5
 Number of variables with no predictors = 0.

Analysis for: Station number 8982 Variable 2

Population Size = 204.
 Population Mean = 2.85
 Population Std. Dev. = .285

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	9	15	15	15	15	15	15	15
1971	15	15	15	15	9	15	15	15	15	15	15	15
1972	15	15	15	15	9	15	15	15	15	15	15	15
1973	15	15	15	15	9	15	15	15	15	15	15	15
1974	15	15	15	15	9	15	15	15	15	15	15	15
1975	15	15	15	15	9	15	15	15	15	15	15	15
1976	15	15	15	15	9	15	15	15	15	15	15	15
1977	15	15	15	15	9	15	15	15	15	15	15	15
1978	15	15	15	15	9	15	15	15	15	15	15	15
1979	15	15	15	15	9	15	15	15	15	15	15	15
1980	15	15	15	15	9	15	15	15	15	15	15	15
1981	15	15	15	15	9	15	15	15	15	15	15	15
1982	15	15	15	15	9	15	15	15	15	15	15	15
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Correlation Coefficients

4	102	52	0	****	****	****	****	****	****	****	.58	.87	.56	.57	****
5	100	39	0	****	****	****	****	****	****	****	.86	.92	****	.62	****
8	101	34	0	****	****	****	****	****	****	****	.66	.78	.53	****	****
9	204	78	13	****	****	****	****	.69	****	.49	.71	.79	.62	.63	****
13	102	91	0	.68											
14	100	89	0	.66											
15	24	156	143	.94											
17	101	131	0	.27											
18	204	156	0	.72											

Resultant sample size = 360.

Predicted mean = 2.87
 Predicted std dev. = .289
 Average standard error of prediction = 25.6
 Number of variables with no predictors = 0.

Analysis for: Station number 8987 Variable 3

Population Size = 81.
 Population Mean = 2.22
 Population Std. Dev. = .462

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	18	18	18	18	18	18	18	18	5	18	18	18
1971	18	18	18	18	18	18	18	8	5	18	18	18
1972	18	18	18	18	18	18	18	8	5	18	18	18
1973	18	18	18	18	18	18	18	5	5	18	18	18
1974	18	18	18	18	18	18	18	8	5	18	18	18
1975	18	18	18	18	18	18	18	8	5	18	18	18
1976	18	18	18	18	18	18	18	8	5	18	18	18
1977	18	18	18	18	18	18	18	8	5	18	18	18
1978	18	18	18	18	18	18	18	18	5	18	18	18
1979	18	18	18	18	18	18	18	8	5	18	18	18
1980	18	18	18	18	18	18	18	5	5	18	18	18
1981	18	18	18	18	18	18	18	5	5	18	18	18
1982	18	18	18	18	18	18	18	8	5	18	18	18
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	11	11	11	11	11	11	0	0	0	0	0	0
1986	11	11	11	11	11	0	0	0	0	0	0	0
1987	0	11	11	11	11	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	11	11	11	11	11	1	2	1	5	11	11	11
1992	11	11	11	11	11	1	2	1	5	11	11	11
1993	11	11	11	11	11	1	2	1	5	11	11	11
1994	11	11	11	11	11	1	2	1	5	11	11	11
1995	11	11	11	11	11	1	2	1	5	11	11	11
1996	11	11	11	11	11	1	2	1	5	11	11	11
1997	11	11	11	11	11	1	2	1	5	11	11	11
1998	11	11	11	11	11	1	2	1	5	11	11	11
1999	11	11	11	11	11	1	2	1	5	11	11	11

Variable	Sample	dict	dict	Correlation Coefficients																
able	ples	ors	ors	1	2	4	5	7	8	10	11	14	15	16	18					
				81	27	18	****	****	****	****	****	.83	****	.98	.95	****	****	****		
				81	27	9	****	****	****	****	****	****	****	.79	.98	.90	****	****	****	
				48	22	0	****	****	****	****	****	****	****	****	****	.95	****	****	****	
				47	44	25	****	****	****	****	****	****	****	****	****	.74	.97	****	****	****
				62	18	0	****	****	****	****	****	****	****	****	****	.86	.95	****	****	****
				47	20	8	****	****	****	****	****	****	****	****	****	.81	****	****	****	****
				81	108	0								.68						
				81	123	87								.71						
				47	142	0								.29						
				24	156	0								.59						
				62	123	0								.66						
				81	279	132								.62						

Resultant sample size = 360.
 Predicted mean = 2.28

Predicted std dev. = .460
 Average standard error of prediction = 84.7
 Number of variables with no predictors = 0.

Analysis for: Station number 3020 Variable 4

Population Size = 193.
 Population Mean = 3.77
 Population Std. Dev. = .414

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	0	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	0	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	10	10	10	10	10	10	0	0	0	0	0	0
1984	10	10	10	10	10	10	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	16	0	0	0	0	0	0
1987	16	16	16	16	16	16	0	0	0	0	0	0
1988	16	16	16	16	16	16	0	0	0	0	0	0
1989	16	16	16	16	16	16	0	0	0	0	0	0
1990	16	16	16	16	16	16	0	0	0	0	0	0
1991	16	16	16	16	16	16	0	0	0	0	0	0
1992	16	16	16	16	16	16	0	0	0	0	0	0
1993	16	16	16	16	16	16	0	0	0	0	0	0
1994	16	16	16	16	16	16	0	0	0	0	0	0
1995	16	16	16	16	16	16	0	0	0	0	0	0
1996	16	16	16	16	16	16	0	0	0	0	0	0
1997	16	16	16	16	16	16	0	0	0	0	0	0
1998	16	16	16	16	16	16	0	0	0	0	0	0
1999	16	16	16	16	16	16	0	0	0	0	0	0

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10	102	87	12	.71
11	102	102	0	.68
15	103	77	65	.78
16	95	90	90	.78
18	193	167	0	.47

Resultant sample size = 360.
 Predicted mean = 3.66
 Predicted std dev. = .340
 Average standard error of prediction = 64.8
 Number of variables with no predictors = 0.

Analysis for: Station number 3500 Variable 5

Population Size = 189.

Population Mean = 3.68
 Population Std. Dev. = .402

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	4	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	4	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	10	10	10	10	10	10	4	0	0	0	0	0
1984	10	10	10	10	10	10	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	10	0	0	0	0	0	0
1987	10	16	16	16	16	10	0	0	0	0	0	0
1988	10	10	10	10	10	10	0	0	0	0	0	0
1989	10	10	10	10	10	10	0	0	0	0	0	0
1990	10	10	10	10	10	10	0	0	0	0	0	0
1991	10	10	10	10	10	10	0	0	0	0	0	0
1992	10	10	10	10	10	10	0	0	0	0	0	0
1993	10	10	10	10	10	10	0	0	0	0	0	0
1994	10	10	10	10	10	10	0	0	0	0	0	0
1995	10	10	10	10	10	10	0	0	0	0	0	0
1996	10	10	10	10	10	10	0	0	0	0	0	0
1997	10	10	10	10	10	10	0	0	0	0	0	0
1998	10	10	10	10	10	10	0	0	0	0	0	0
1999	10	10	10	10	10	10	4	0	0	0	0	0

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4	26	4	4	****	****	****	****	****	****	****	.94	****	.95	****	****	****
7	14	1	0	****	****	****	****	****	****	****	.66	.86	.95	****	****	****
10	100	89	87	.71												
11	100	104	0	.66												
12	47	34	0	.29												
13	189	4	0	.94												
15	100	80	65	.64												
16	94	91	15	.69												
18	189	171	0	.39												

Resultant sample size = 360.
 Predicted mean = 3.54
 Predicted std dev. = .341
 Average standard error of prediction = 71.4
 Number of variables with no predictors = 0.

Analysis for: Station number 5500 Variable 6
 Population Size = 180.
 Population Mean = 3.88
 Population Std. Dev. = .348

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

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4	90	75	0	****	****	****	****	****	****	****	****	.83	.98	.97	.69	.68
5	87	60	0	****	****	****	****	****	****	****	****	.90	.90	.89	****	.76
8	82	74	0	****	****	****	****	****	****	****	****	.79	****	.70	.85	.62
9	180	150	0	.69	.66	****	****	.63	.70	.66	.76	.66	.73	.65	.72	
10	24	165	0	.91												
11	24	180	0	.94												
12	24	57	0	.59												
13	103	90	0	.78												
14	100	89	0	.64												
16	5	180	180	1.00												
17	143	89	0	.45												
18	180	180	0	.73												

Resultant sample size = 360.
 Predicted mean = 3.86
 Predicted std dev. = .342
 Average standard error of prediction = 5.6
 Number of variables with no predictors = 0.

Analysis for: Station number 5700 Variable 7
 Population Size = 185.
 Population Mean = 3.85
 Population Std. Dev. = .349

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	15	15	15	15	15	15	15	15	15	15	15	15
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	15	15	15	15	15	15	15	15	15	15	15	15
1984	15	15	15	15	15	15	15	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Correlation Coefficients

1	170	17	0	.68	.59	****	.79	.79	.77	.82	.89	.90	.83	.51	.64	
2	185	17	0	.60	.72	****	.57	.62	.60	.82	.91	.90	.67	.73	.65	
3	62	2	0	****	****	****	****	****	****	****	.86	.95	****	****	****	
4	95	71	0	****	****	****	****	****	****	****	.68	.81	.97	.91	.72	****
5	94	68	0	****	****	****	****	****	****	****	.66	.95	.98	.51	****	.55
8	94	77	0	****	****	****	****	****	****	****	.60	.72	.72	.73	.70	.58
9	185	130	0	.65	.66	****	****	.74	****	.55	.69	.86	.81	.82	.81	
10	170	19	0	.84												
11	185	19	0	.88												
12	62	19	0	.66												
13	95	98	0	.78												
14	94	95	0	.69												
15	5	175	175	1.00												
17	94	138	0	.45												
18	185	175	0	.79												

Resultant sample size = 360.
 Predicted mean = 3.87
 Predicted std dev. = .345
 Average standard error of prediction = 5.6
 Number of variables with no predictors = 0.

Analysis for: Station number 6250 Variable 8
 Population Size = 232.
 Population Mean = 3.28
 Population Std. Dev. = .281

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	9	18	18	18	6	6	6	9	6	6	9
1981	6	9	18	18	18	6	6	6	0	0	0	0
1982	6	9	18	18	18	6	0	0	0	0	0	0
1983	6	9	18	18	18	6	0	0	0	0	0	0
1984	6	9	18	18	18	6	0	0	0	0	0	0
1985	18	9	18	18	18	18	2	0	0	0	0	0
1986	18	9	18	18	18	18	0	0	0	0	0	0
1987	18	9	18	18	18	18	0	0	0	0	0	0
1988	18	9	18	18	18	18	0	0	0	0	0	0
1989	18	9	18	18	18	18	0	0	0	0	0	0
1990	18	9	18	18	18	18	0	0	0	0	0	0
1991	18	9	18	18	18	18	0	0	0	0	0	0
1992	18	9	18	18	18	18	0	0	0	0	0	0
1993	18	9	18	18	18	18	0	0	0	0	0	0
1994	18	9	18	18	18	18	0	0	0	0	0	0
1995	18	9	18	18	18	18	0	0	0	0	0	0
1996	18	9	18	18	18	18	0	0	0	0	0	0
1997	18	9	18	18	18	18	0	0	0	0	0	0
1998	18	9	18	18	18	18	0	0	0	0	0	0
1999	18	9	18	18	18	18	0	0	0	0	0	0

Correlation Coefficients															
Variable	Sam	dict	dict	ors	ors	ors	ors	ors	ors	ors	ors	ors	ors	ors	ors
1	16	1	0	****	****	****	****	****	****	.59	.89	.90	.83	.51	.64
2	16	1	1	****	****	****	****	****	****	.66	.91	.90	.67	.73	.65
4	171	4	0	****	****	****	****	****	****	****	.47	.56	.55	****	****
5	167	3	0	****	****	****	****	****	****	****	.65	.58	****	****	****
6	143	21	15	.63	.64	****	****	****	.76	.79	.88	****	.70	.85	.62
7	14	1	0	****	****	****	****	****	****	.60	****	****	****	****	****
9	232	29	22	****	.72	****	****	****	****	.51	.84	.68	.68	.66	.61
10	101	88	0	.27											
11	101	103	0	.27											
15	143	37	0	.45											
16	94	91	0	.45											
18	232	128	90	.50											

Resultant sample size = 360.
 Predicted mean = 3.28
 Predicted std dev. = .246
 Average standard error of prediction = 51.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1700 Variable 9
 Population Size = 360.
 Population Mean = 4.02
 Population Std. Dev. = .459

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 4.02
 Predicted std dev. = .459
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 63363.18 for 1813. predictions

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 9 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 8960 Variable 1

```

Population Size = 189.
Population Mean = 2.79
Population Std. Dev. = .260

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	15	15	15	15	15	15	15	15	15	15	15	15
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	11	11	11	11	11	11	0	0	0	0	0	0
1986	11	11	11	11	11	0	0	0	0	0	0	0
1987	0	11	11	11	11	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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11	189	15	15	.93
13	102	91	0	.71
14	100	89	0	.71
15	24	156	156	.91
16	170	15	0	.84
17	101	131	0	.27
18	189	171	0	.61

Resultant sample size = 360.
 Predicted mean = 2.79
 Predicted std dev. = .264
 Average standard error of prediction = 30.5
 Number of variables with no predictors = 0.

Analysis for: Station number 8982 Variable 2

Population Size = 204.
 Population Mean = 2.85
 Population Std. Dev. = .285

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	15	15	15	15	15	15	15	15	15	15	15	15
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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13	102	91	0	.68
14	100	89	0	.66
15	24	156	156	.94
17	101	131	0	.27
18	204	156	0	.72

Resultant sample size = 360.
 Predicted mean = 2.87
 Predicted std dev. = .289

Average standard error of prediction = 27.1
 Number of variables with no predictors = 0.

Analysis for: Station number 8987 Variable 3

Population Size = 81.
 Population Mean = 2.22
 Population Std. Dev. = .462

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	18	18	18	18	18	18	18	18	18	18	18	18
1971	18	18	18	18	18	18	18	18	18	18	18	18
1972	18	18	18	18	18	18	18	18	18	18	18	18
1973	18	18	18	18	18	18	18	18	18	18	18	18
1974	18	18	18	18	18	18	18	18	18	18	18	18
1975	18	18	18	18	18	18	18	18	18	18	18	18
1976	18	18	18	18	18	18	18	18	18	18	18	18
1977	18	18	18	18	18	18	18	18	18	18	18	18
1978	18	18	18	18	18	18	18	18	18	18	18	18
1979	18	18	18	18	18	18	18	18	18	18	18	18
1980	18	18	18	18	18	18	18	18	18	18	18	18
1981	18	18	18	18	18	18	18	18	18	18	18	18
1982	18	18	18	18	18	18	18	18	18	18	18	18
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	11	11	11	11	11	11	0	0	0	0	0	0
1986	11	11	11	11	11	0	0	0	0	0	0	0
1987	0	11	11	11	11	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	11	11	11	11	11	11	11	11	11	11	11	11
1994	11	11	11	11	11	11	11	11	11	11	11	11
1995	11	11	11	11	11	11	11	11	11	11	11	11
1996	11	11	11	11	11	11	11	11	11	11	11	11
1997	11	11	11	11	11	11	11	11	11	11	11	11
1998	11	11	11	11	11	11	11	11	11	11	11	11
1999	11	11	11	11	11	11	11	11	11	11	11	11

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10	81	108	0	.68
11	81	123	123	.71
14	47	142	0	.29
15	24	156	0	.59
16	62	123	0	.66
18	81	279	156	.62

Resultant sample size = 360.
 Predicted mean = 2.27
 Predicted std dev. = .460
 Average standard error of prediction = 96.2
 Number of variables with no predictors = 0.

Analysis for: Station number 3020 Variable 4

Population Size = 193.
 Population Mean = 3.77
 Population Std. Dev. = .414

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	0	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	0	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	10	10	10	10	10	10	0	0	0	0	0	0
1984	10	10	10	10	10	10	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	16	0	0	0	0	0	0
1987	16	16	16	16	16	16	0	0	0	0	0	0
1988	16	16	16	16	16	16	0	0	0	0	0	0
1989	16	16	16	16	16	16	0	0	0	0	0	0
1990	16	16	16	16	16	16	0	0	0	0	0	0
1991	16	16	16	16	16	16	0	0	0	0	0	0
1992	16	16	16	16	16	16	0	0	0	0	0	0
1993	16	16	16	16	16	16	0	0	0	0	0	0
1994	16	16	16	16	16	16	0	0	0	0	0	0
1995	16	16	16	16	16	16	0	0	0	0	0	0
1996	16	16	16	16	16	16	0	0	0	0	0	0
1997	16	16	16	16	16	16	0	0	0	0	0	0
1998	16	16	16	16	16	16	0	0	0	0	0	0
1999	16	16	16	16	16	16	0	0	0	0	0	0

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10	102	87	12	.71
11	102	102	0	.68
15	103	77	65	.78
16	95	90	90	.78
18	193	167	0	.47

Resultant sample size = 360.
 Predicted mean = 3.66
 Predicted std dev. = .340
 Average standard error of prediction = 64.8
 Number of variables with no predictors = 0.

Analysis for: Station number 3500 Variable 5

Population Size = 189.

Population Mean = 3.68
 Population Std. Dev. = .402

year	Number of the independent station used to predict the dependent station											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	13	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	13	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	10	10	10	10	10	10	13	0	0	0	0	0
1984	10	10	10	10	10	10	0	0	0	0	0	0
1985	16	16	16	16	16	16	0	0	0	0	0	0
1986	16	16	16	16	16	10	0	0	0	0	0	0
1987	10	16	16	16	16	10	0	0	0	0	0	0
1988	10	10	10	10	10	10	0	0	0	0	0	0
1989	10	10	10	10	10	10	0	0	0	0	0	0
1990	10	10	10	10	10	10	0	0	0	0	0	0
1991	10	10	10	10	10	10	0	0	0	0	0	0
1992	10	10	10	10	10	10	0	0	0	0	0	0
1993	10	10	10	10	10	10	0	0	0	0	0	0
1994	10	10	10	10	10	10	0	0	0	0	0	0
1995	10	10	10	10	10	10	0	0	0	0	0	0
1996	10	10	10	10	10	10	0	0	0	0	0	0
1997	10	10	10	10	10	10	0	0	0	0	0	0
1998	10	10	10	10	10	10	0	0	0	0	0	0
1999	10	10	10	10	10	10	13	0	0	0	0	0

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10	100	89	87	.71
11	100	104	0	.66
12	47	34	0	.29
13	189	4	4	.94
15	100	80	65	.64
16	94	91	15	.69
18	189	171	0	.39

Resultant sample size = 360.
 Predicted mean = 3.54
 Predicted std dev. = .341
 Average standard error of prediction = 71.8
 Number of variables with no predictors = 0.

Analysis for: Station number 5500 Variable 6
 Population Size = 180.
 Population Mean = 3.88
 Population Std. Dev. = .348

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	16	16	16	16	16	16	16	16	16	16	16	16
1986	16	16	16	16	16	16	16	16	16	16	16	16
1987	16	16	16	16	16	16	16	16	16	16	16	16
1988	16	16	16	16	16	16	16	16	16	16	16	16
1989	16	16	16	16	16	16	16	16	16	16	16	16
1990	16	16	16	16	16	16	16	16	16	16	16	16
1991	16	16	16	16	16	16	16	16	16	16	16	16
1992	16	16	16	16	16	16	16	16	16	16	16	16
1993	16	16	16	16	16	16	16	16	16	16	16	16
1994	16	16	16	16	16	16	16	16	16	16	16	16
1995	16	16	16	16	16	16	16	16	16	16	16	16
1996	16	16	16	16	16	16	16	16	16	16	16	16
1997	16	16	16	16	16	16	16	16	16	16	16	16
1998	16	16	16	16	16	16	16	16	16	16	16	16
1999	16	16	16	16	16	16	16	16	16	16	16	16

Variable	Po			Correlation Coefficients
	Con	ten	Act	
Sam	dict	dict	dict	
ples	ors	ors	ors	
10	24	165	0	.91
11	24	180	0	.94
12	24	57	0	.59
13	103	90	0	.78
14	100	89	0	.64
16	5	180	180	1.00
17	143	89	0	.45
18	180	180	0	.73

Resultant sample size = 360.
 Predicted mean = 3.86
 Predicted std dev. = .342
 Average standard error of prediction = 5.6
 Number of variables with no predictors = 0.

Analysis for: Station number 5700 Variable 7
 Population Size = 185.
 Population Mean = 3.85
 Population Std. Dev. = .349

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	15	15	15	15	15	15	15	15	15	15	15	15
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	15	15	15	15	15	15	15	15	15	15	15	15
1984	15	15	15	15	15	15	15	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

	Po	Con	ten	Act	
		cur	tial	ual	
		rent	Pre	Pre	
Vari	Sam	dict	dict		Correlation Coefficients
able	ples	ors	ors		
10	170	19	0	.84	
11	185	19	0	.88	
12	62	19	0	.66	
13	95	98	0	.78	
14	94	95	0	.69	
15	5	175	175	1.00	
17	94	138	0	.45	
18	185	175	0	.79	

Resultant sample size = 360.
 Predicted mean = 3.87
 Predicted std dev. = .345
 Average standard error of prediction = 5.6
 Number of variables with no predictors = 0.

Analysis for: Station number 6250 Variable 8

Population Size = 232.
 Population Mean = 3.28
 Population Std. Dev. = .281

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	18	18	18	18	18	18	18	18	18	18	18
1981	18	18	18	18	18	18	18	18	0	0	0	0
1982	18	18	18	18	18	18	0	0	0	0	0	0
1983	18	18	18	18	18	18	0	0	0	0	0	0
1984	18	18	18	18	18	18	0	0	0	0	0	0
1985	18	18	18	18	18	18	18	0	0	0	0	0
1986	18	18	18	18	18	18	0	0	0	0	0	0
1987	18	18	18	18	18	18	0	0	0	0	0	0
1988	18	18	18	18	18	18	0	0	0	0	0	0
1989	18	18	18	18	18	18	0	0	0	0	0	0
1990	18	18	18	18	18	18	0	0	0	0	0	0
1991	18	18	18	18	18	18	0	0	0	0	0	0
1992	18	18	18	18	18	18	0	0	0	0	0	0
1993	18	18	18	18	18	18	0	0	0	0	0	0
1994	18	18	18	18	18	18	0	0	0	0	0	0
1995	18	18	18	18	18	18	0	0	0	0	0	0
1996	18	18	18	18	18	18	0	0	0	0	0	0
1997	18	18	18	18	18	18	0	0	0	0	0	0
1998	18	18	18	18	18	18	0	0	0	0	0	0
1999	18	18	18	18	18	18	0	0	0	0	0	0

Po					Correlation Coefficients	
Con	ten	Act				
cur	tial	ual				
rent	Pre	Pre				
Vari	Sam	dict	dict			
able	ples	ors	ors			
10	101	88	0	.27		
11	101	103	0	.27		
15	143	37	0	.45		
16	94	91	0	.45		
18	232	128	128	.50		

Resultant sample size = 360.
 Predicted mean = 3.27
 Predicted std dev. = .239
 Average standard error of prediction = 61.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1700 Variable 9
 Population Size = 360.
 Population Mean = 4.02
 Population Std. Dev. = .459

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0

1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 4.02
 Predicted std dev. = .459
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 69172.59 for 1813. predictions

NONTONC7: Nonnatural Flow Sites - Little Bighorn River & Tongue River Models with Full Period Natural Flow Sites

USGS # MOVE # # 1 # 2 Name

06289000	8900	8	16	Little Bighorn River at State Line, Near Wyola, MT
06289870	8987	1	9	Twin Creek Near Parkman, WY
06298000	9800	7	15	Tongue River Near Dayton, WY
06302000	3020	2	10	Big Goose Creek Near Sheridan, WY
06303500	3500	3	11	Little Goose Creek Near Big Horn, WY
06306250	6250	4	12	Prairie Dog Creek Near Acme, WY
06309200	9200	5	13	Middle Fork Powder River Near Barnum, WY
06311000	1100	6	14	North Fork Powder River Near Hazelton, WY

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 8 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 8987 Variable 1

```

Population Size = 81.
Population Mean = 2.22
Population Std. Dev. = .462

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	13	13	13	13	13	13	13	5	3	13	13	13
1971	13	13	13	13	13	13	13	4	3	13	13	13
1972	13	13	13	13	13	13	13	5	3	13	13	13
1973	13	13	13	13	13	13	13	5	3	13	13	13
1974	13	13	13	13	13	13	13	5	3	13	13	13
1975	13	13	13	13	13	13	13	5	3	13	13	13
1976	13	13	13	13	13	13	13	5	3	13	13	13
1977	13	13	13	13	13	13	13	4	3	13	13	13
1978	13	13	13	13	13	13	13	5	3	13	13	13
1979	13	13	13	13	13	13	13	5	3	13	13	13
1980	13	13	13	13	13	13	13	5	3	13	13	13
1981	13	13	13	13	13	13	13	5	3	13	13	13
1982	13	13	13	13	13	13	13	5	3	13	13	13
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	13	13	13	13	13	13	0	0	0	0	0	0
1986	13	13	13	13	13	0	0	0	0	0	0	0
1987	0	13	13	13	13	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	13	13	13	13	13	13	13	4	3	13	13	13
1992	13	13	13	13	13	13	13	5	3	13	13	13
1993	13	13	13	13	13	13	13	5	3	13	13	13
1994	13	13	13	13	13	13	13	5	3	13	13	13
1995	13	13	13	13	13	13	13	5	3	13	13	13
1996	13	13	13	13	13	13	13	5	3	13	13	13
1997	13	13	13	13	13	13	13	5	3	13	13	13
1998	13	13	13	13	13	13	13	4	3	13	13	13
1999	13	13	13	13	13	13	13	4	3	13	13	13

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2	48	22	0	****	****	****	****	****	****	****	****	.95	****	****	****
3	47	44	22	****	****	****	****	****	****	****	.74	.97	****	****	****
4	47	20	5	****	****	****	****	****	****	****	.81	****	****	****	****
5	81	44	17	****	****	****	****	****	****	****	.81	.86	****	****	****
6	81	22	0	****	****	****	****	****	****	****	****	.77	****	****	****
7	81	22	0	****	****	****	****	****	****	****	****	****	.94	****	****
8	81	22	0	****	****	****	****	****	****	****	****	****	****	****	****
11	47	142	0	.29											
13	81	279	235	.62											
14	81	279	0	.38											
15	81	279	0	.38											
16	81	279	0	.35											

Resultant sample size = 360.
Predicted mean = 2.14

Predicted std dev. = .393
 Average standard error of prediction = 94.5
 Number of variables with no predictors = 0.

Analysis for: Station number 3020 Variable 2
 Population Size = 193.
 Population Mean = 3.77
 Population Std. Dev. = .414

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	0	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	0	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	15	15	15	15	15	15	0	0	0	0	0	0
1984	15	15	15	15	15	15	0	0	0	0	0	0
1985	15	15	15	15	15	15	0	0	0	0	0	0
1986	15	15	15	15	15	15	0	0	0	0	0	0
1987	15	15	15	15	15	15	0	0	0	0	0	0
1988	15	15	15	15	15	15	0	0	0	0	0	0
1989	15	15	15	15	15	15	0	0	0	0	0	0
1990	15	15	15	15	15	15	0	0	0	0	0	0
1991	15	15	15	15	15	15	0	0	0	0	0	0
1992	15	15	15	15	15	15	0	0	0	0	0	0
1993	15	15	15	15	15	15	0	0	0	0	0	0
1994	15	15	15	15	15	15	0	0	0	0	0	0
1995	15	15	15	15	15	15	0	0	0	0	0	0
1996	15	15	15	15	15	15	0	0	0	0	0	0
1997	15	15	15	15	15	15	0	0	0	0	0	0
1998	15	15	15	15	15	15	0	0	0	0	0	0
1999	15	15	15	15	15	15	0	0	0	0	0	0

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13	193	167	0	.68
14	193	167	0	.89
15	193	167	167	.95
16	193	167	0	.95

Resultant sample size = 360.
 Predicted mean = 3.50
 Predicted std dev. = .422
 Average standard error of prediction = 31.3
 Number of variables with no predictors = 0.

Analysis for: Station number 3500 Variable 3
 Population Size = 189.
 Population Mean = 3.68
 Population Std. Dev. = .402

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	2	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	2	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	15	15	15	15	15	15	2	0	0	0	0	0
1984	15	15	15	15	15	15	0	0	0	0	0	0
1985	15	15	15	15	15	15	0	0	0	0	0	0
1986	15	15	15	15	15	15	0	0	0	0	0	0
1987	15	15	15	15	15	15	0	0	0	0	0	0
1988	15	15	15	15	15	15	0	0	0	0	0	0
1989	15	15	15	15	15	15	0	0	0	0	0	0
1990	15	15	15	15	15	15	0	0	0	0	0	0
1991	15	15	15	15	15	15	0	0	0	0	0	0
1992	15	15	15	15	15	15	0	0	0	0	0	0
1993	15	15	15	15	15	15	0	0	0	0	0	0
1994	15	15	15	15	15	15	0	0	0	0	0	0
1995	15	15	15	15	15	15	0	0	0	0	0	0
1996	15	15	15	15	15	15	0	0	0	0	0	0
1997	15	15	15	15	15	15	0	0	0	0	0	0
1998	15	15	15	15	15	15	0	0	0	0	0	0
1999	15	15	15	15	15	15	2	0	0	0	0	0

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Correlation Coefficients

2	26	4	4	****	****	****	****	****	****	.94	****	.95	****	****	****
5	39	4	0	****	****	****	****	****	****	.85	.81	.86	****	****	****
6	39	4	0	****	****	****	****	****	****	.71	****	.77	****	****	****
7	39	4	0	****	****	****	****	****	****	.81	****	.94	****	****	****
8	39	4	0	****	****	****	****	****	****	.75	****	.94	****	****	****
9	47	34	0	.29											
10	189	4	0	.94											
13	189	171	0	.65											
14	189	171	0	.84											
15	189	171	167	.87											
16	189	171	0	.86											

Resultant sample size = 360.
 Predicted mean = 3.41
 Predicted std dev. = .414
 Average standard error of prediction = 47.5
 Number of variables with no predictors = 0.

Analysis for: Station number 6250 Variable 4

Population Size = 232.
 Population Mean = 3.28
 Population Std. Dev. = .281

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0

1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	13	13	5	13	13	13	13	6	6	6	13
1981	13	13	13	5	13	13	13	13	0	0	0	0
1982	13	13	13	5	13	13	0	0	0	0	0	0
1983	13	13	13	13	13	13	0	0	0	0	0	0
1984	13	13	13	5	13	13	0	0	0	0	0	0
1985	13	13	13	5	13	13	13	0	0	0	0	0
1986	13	13	13	5	13	13	0	0	0	0	0	0
1987	13	13	13	5	13	13	0	0	0	0	0	0
1988	13	13	13	13	13	13	0	0	0	0	0	0
1989	13	13	13	13	13	13	0	0	0	0	0	0
1990	13	13	13	5	13	13	0	0	0	0	0	0
1991	13	13	13	5	13	13	0	0	0	0	0	0
1992	13	13	13	5	13	13	0	0	0	0	0	0
1993	13	13	13	5	13	13	0	0	0	0	0	0
1994	13	13	13	5	13	13	0	0	0	0	0	0
1995	13	13	13	13	13	13	0	0	0	0	0	0
1996	13	13	13	13	13	13	0	0	0	0	0	0
1997	13	13	13	5	13	13	0	0	0	0	0	0
1998	13	13	13	5	13	13	0	0	0	0	0	0
1999	13	13	13	13	13	13	0	0	0	0	0	0

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2	171	4	0	****	****	****	****	****	****	****	.47	.56	.55	****	****
3	167	3	0	****	****	****	****	****	****	****	.65	.58	****	****	****
5	232	24	14	****	****	****	.74	****	****	****	.66	.49	.53	****	****
6	232	3	3	****	****	****	****	****	****	****	****	.63	.75	.54	****
7	232	2	0	****	****	****	****	****	****	****	****	.52	.47	****	****
8	232	3	0	****	****	****	****	****	****	****	.49	.50	****	****	****
13	232	128	111	.21											

Resultant sample size = 360.
 Predicted mean = 3.21
 Predicted std dev. = .260
 Average standard error of prediction = 69.6
 Number of variables with no predictors = 0.

Analysis for: Station number 9200 Variable 5

 Population Size = 360.
 Population Mean = 2.87
 Population Std. Dev. = .489

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0

1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.87
 Predicted std dev. = .489
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1100 Variable 6
 Population Size = 360.
 Population Mean = 2.60
 Population Std. Dev. = .524

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.60
 Predicted std dev. = .524
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 7

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 8900 Variable 8

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .310

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .310
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 48616.30 for 2135. predictions

USGS MOVE.1 GROUPS
CLEAR CREEK MODEL
NONNATURAL FLOW STATIONS

CLEANON7.SUM
CLEBNON7.SUM
PINANON7.SUM
NONPOWC7.SUM
NONPOWB7.SUM

CLEANON7: Nonnatural Flow Sites - Clear Creek Model with Station 06317000

USGS #	MOVE #	# 1	# 2	Name
06317000	1700	1	11	Powder River at Arvada, WY
06318500	1850	2	12	Clear Creek Near Buffalo, WY
SEO Gage	1855	3	13	Clear Creek in Buffalo City Park, Buffalo, WY
06320000	2000	4	14	Rock Creek Near Buffalo, WY
SEO Gage	2005	5	15	Rock Creek at Mouth, Near Buffalo, WY
06320200	2020	6	16	Clear Creek Below Rock Creek, Near Buffalo, WY
SEO Gage	2025	7	17	Clear Creek Below Healy Reservoir, WY
SEO Gage	2355	8	18	Clear Creek at Double Crossing, WY
SEO Gage	2360	9	19	Clear Creek Below P&F# Ditch, WY
06324000	2400	10	20	Clear Creek Near Arvada, WY

also for **CLEBNON7: noncyclic run**

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 10 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 1700 Variable 1

```

Population Size = 360.
Population Mean = 4.02
Population Std. Dev. = .459

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
Predicted mean = 4.02
Predicted std dev. = .459
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 1850 Variable 2

Population Size = 276.
 Population Mean = 3.35
 Population Std. Dev. = .467

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	1	11	11	11	11	11	13	3	3	6	6	3
1994	1	11	11	11	11	11	13	3	6	6	6	3
1995	1	11	11	11	11	11	13	3	3	6	6	3
1996	1	11	11	11	11	11	4	3	3	6	6	1
1997	1	11	11	11	11	11	4	3	3	6	6	3
1998	1	11	11	11	11	11	4	3	3	6	6	7
1999	1	11	11	11	11	11	13	3	3	6	6	3

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Correlation Coefficients

1	276	42	8	.54	****	****	****	****	****	****	.47	.78	.61	.45	.75
3	72	26	18	.00	.00	.00	.00	.00	.00	****	.91	.97	.95	****	.84
4	138	42	3	.00	.00	.00	.00	.00	.00	.76	.69	.74	.71	.49	.54
5	79	21	0	.00	.00	.00	.00	.00	.00	****	****	.86	.89	.69	****
6	117	34	15	.00	.00	.00	.00	.00	.00	****	.80	.97	.97	.79	.81
7	94	34	1	.00	.00	.00	.00	.00	.00	****	.85	.90	.91	.77	.87
8	110	24	0	.00	.00	.00	.00	.00	.00	****	.69	.79	.82	****	.57
9	83	28	0	.00	.00	.00	.00	.00	.00	****	.75	.82	.74	****	.59
11	276	84	35	.37											
13	72	40	4	.91											
14	151	42	0	.92											
15	79	37	0	.77											
16	169	40	0	.78											
17	123	41	0	.89											
18	110	36	0	.79											
19	83	42	0	.67											

Resultant sample size = 360.
 Predicted mean = 3.41
 Predicted std dev. = .465
 Average standard error of prediction = 68.0
 Number of variables with no predictors = 0.

Analysis for: Station number 1855 Variable 3

Population Size = 112.
 Population Mean = 3.51
 Population Std. Dev. = .539

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	4	2	2	2	12	10
1971	12	12	12	12	12	12	4	2	0	0	0	0
1972	12	12	12	12	12	12	4	0	0	0	0	0
1973	12	12	12	12	12	12	4	6	0	0	0	2
1974	12	12	12	12	12	12	0	0	0	0	0	0
1975	12	12	12	12	12	12	4	2	0	0	0	0
1976	16	16	16	16	16	16	6	0	0	0	0	0
1977	16	16	16	16	16	16	6	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	6	7	2	7	16	6
1980	16	16	16	16	16	16	6	7	2	9	16	6
1981	16	16	16	16	16	16	9	7	2	9	16	6
1982	17	16	16	16	16	16	6	7	2	9	16	16
1983	16	16	16	16	16	16	7	7	2	9	16	6
1984	12	12	12	12	12	12	7	7	2	9	16	6
1985	12	12	12	12	12	12	7	7	2	9	16	6
1986	12	12	12	12	12	12	7	7	2	9	17	17
1987	12	12	12	12	12	12	7	7	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	16	16	16	16	16	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	9
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	6
1999	11	11	11	11	11	11	0	0	0	0	0	0

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Variable	Sample	Actual	Correlation	Coefficients
1	112	52	0	****
2	72	41	14	****
4	112	68	5	****
5	89	19	0	.00 .00 .00 .00 .00 .00 ****
6	110	47	13	****
7	84	51	15	****
8	97	49	0	.00 .00 .00 .00 .00 .00 .69 .77 .88 .95 .69 .68
9	80	45	9	.00 .00 .00 .00 .00 .00 .86 .89 .96 .97 .90 .84
10	38	16	1	****
11	112	248	42	.81

12	72	204	86	.91
14	112	81	0	.74
15	89	27	0	.87
16	110	99	60	.97
17	84	80	3	.96
18	97	49	0	.90
19	80	45	0	.91
20	38	118	0	.88

Resultant sample size = 360.
 Predicted mean = 3.15
 Predicted std dev. = .642
 Average standard error of prediction = 47.7
 Number of variables with no predictors = 0.

Analysis for: Station number 2000 Variable 4
 Population Size = 193.
 Population Mean = 3.40
 Population Std. Dev. = .453

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	12	12	12	12	12	0	0	0	0	0	0
1973	12	12	12	12	12	12	0	0	0	0	0	0
1974	12	12	12	12	12	12	0	0	0	0	0	0
1975	12	12	12	12	12	12	0	0	0	0	0	0
1976	12	12	12	12	12	12	0	0	0	0	0	0
1977	12	12	12	12	12	12	0	0	0	0	0	0
1978	12	12	12	12	12	12	0	0	0	0	0	0
1979	12	12	12	12	12	12	0	0	0	0	0	0
1980	12	12	12	12	12	12	0	0	0	0	0	0
1981	12	12	12	12	12	12	0	0	0	0	0	0
1982	12	12	12	12	12	12	0	0	0	0	0	0
1983	12	12	12	12	12	12	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0
1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	12	12	12	12	12	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11 193 167 42 .43

12 151 125 125 .92
 16 157 52 0 .75
 17 135 29 0 .78
 20 91 65 0 .49

Resultant sample size = 360.
 Predicted mean = 3.19
 Predicted std dev. = .463
 Average standard error of prediction = 62.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2005 Variable 5
 Population Size = 116.
 Population Mean = 3.20
 Population Std. Dev. = .547

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	4	10	2	2	1
1971	20	20	20	20	20	20	20	4	0	0	0	0
1972	20	20	20	20	20	20	20	0	0	0	0	0
1973	20	20	20	20	20	20	20	4	6	0	0	0
1974	20	20	20	20	20	20	6	0	0	0	0	0
1975	20	20	20	20	20	20	20	4	0	0	0	0
1976	16	16	16	16	16	16	6	4	6	6	6	16
1977	16	16	16	16	16	16	6	4	0	0	0	0
1978	16	16	16	16	16	16	6	0	0	0	0	0
1979	16	16	16	16	16	16	6	4	7	7	7	16
1980	16	16	16	16	16	16	6	0	0	0	0	0
1981	16	16	16	16	16	16	0	0	0	0	0	0
1982	17	16	16	16	16	16	6	4	9	7	7	16
1983	16	16	16	16	16	16	6	4	0	0	0	0
1984	11	11	11	11	11	11	6	4	9	7	7	16
1985	11	11	11	11	11	11	6	4	0	0	0	0
1986	11	11	11	11	11	11	9	0	0	0	0	0
1987	11	11	11	11	11	11	9	0	0	0	0	0
1988	11	11	11	11	11	11	6	0	0	0	0	0
1989	11	16	16	16	16	16	6	4	9	7	7	16
1990	11	11	11	11	11	11	6	0	0	0	0	19
1991	11	11	11	11	11	11	6	0	0	0	0	0
1992	11	11	11	11	11	11	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	6	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	17	0	0	0	0	19
1997	11	11	11	11	11	11	6	0	0	0	0	0
1998	11	11	11	11	11	11	6	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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1	116	39	1	****	****	****	****	****	****	****	.83	.88	.82	.63	.45
2	79	19	2	****	****	****	****	****	****	****	.86	.86	.89	.69	****
3	89	10	0	.00	.00	.00	.00	.00	.00	****	.68	.91	.87	.82	****
4	116	31	12	****	****	****	****	****	****	****	.94	.89	.76	.70	****
6	110	47	21	****	****	****	****	****	****	****	.94	.86	.95	.86	.47

7	95	19	9	****	****	****	****	****	****	****	.89	.96	.96	.89	****
8	101	39	0	.00	.00	.00	.00	.00	.00	.90	.87	.92	.83	.70	****
9	91	29	5	.00	.00	.00	.00	.00	.00	.91	.91	.96	.84	.84	****
10	41	9	1	****	****	****	****	****	****	****	****	.85	.82	****	****
11	116	244	91	.81											
12	79	197	0	.77											
13	89	23	0	.87											
14	116	77	0	.78											
16	110	99	57	.92											
17	95	69	2	.92											
18	101	45	0	.87											
19	91	34	2	.90											
20	41	115	41	.78											

Resultant sample size = 360.
 Predicted mean = 3.11
 Predicted std dev. = .407
 Average standard error of prediction = 68.2
 Number of variables with no predictors = 0.

Analysis for: Station number 2020 Variable 6
 Population Size = 209.
 Population Mean = 3.69
 Population Std. Dev. = .420

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	2	1	2	12	1	1	4	4	2	2	2	2
1971	2	1	2	12	1	1	4	4	0	0	0	0
1972	2	1	2	12	1	1	4	0	0	0	0	0
1973	2	1	2	12	1	1	4	0	0	0	0	2
1974	2	1	2	12	1	1	0	0	0	0	0	0
1975	2	1	2	12	1	1	4	4	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	2	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	2	1	2	12	1	1	0	0	0	0	0	0
1985	2	1	2	12	1	1	0	0	0	0	0	0
1986	2	1	2	12	1	1	8	7	2	2	7	7
1987	2	1	2	12	1	1	8	0	0	0	0	0
1988	2	1	2	12	1	1	0	0	0	0	0	0
1989	2	0	0	0	0	0	0	0	0	0	0	0
1990	2	1	2	12	1	1	0	0	0	0	0	3
1991	2	1	2	12	1	1	0	0	0	0	0	0
1992	2	1	2	12	1	1	0	0	0	0	0	0
1993	11	1	11	11	1	1	0	0	0	0	0	0
1994	11	1	11	11	1	1	0	0	0	0	0	0
1995	11	1	11	11	1	1	0	0	0	0	0	0
1996	11	1	11	11	1	1	3	0	0	0	0	9
1997	11	1	11	11	1	1	0	0	0	0	0	0
1998	11	1	11	11	1	1	0	0	0	0	0	0
1999	11	1	11	11	1	1	0	0	0	0	0	0

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Variable	Sample	Pre dict	Pre dict	Correlation Coefficients											
1	209	86	63	****	.96	****	****	.87	.74	.55	.80	.89	.73	.59	.74
2	169	58	37	.95	.78	.75	****	****	****	****	.80	.97	.97	.79	.81
3	30	2	2	.00	.00	.00	.00	.00	.00	.85	.68	.91	.87	.82	.92
4	157	23	8	****	****	****	****	****	****	.64	.89	.91	.76	.67	.73
5	105	6	0	.00	.00	.00	.00	.00	.00	****	.86	.95	.95	.86	.47
7	130	8	3	****	****	****	****	****	****	.62	.95	.97	.97	.97	.89
8	135	11	2	.00	.00	.00	.00	.00	.00	.72	.89	.90	.88	.69	.69
9	115	10	1	.00	.00	.00	.00	.00	.00	.70	.93	.94	.87	.82	.79
10	106	7	0	****	****	****	****	****	****	****	.75	.63	.81	****	.62
11	209	151	21	.78											
12	169	107	14	.78											
13	110	2	0	.97											
14	157	36	0	.75											
15	110	6	0	.92											
17	155	9	0	.86											
18	135	11	0	.88											
19	115	10	0	.90											
20	106	50	0	.75											

Resultant sample size = 360.
 Predicted mean = 3.60
 Predicted std dev. = .379
 Average standard error of prediction = 31.0
 Number of variables with no predictors = 0.

Analysis for: Station number 2025 Variable 7

Population Size = 164.
 Population Mean = 3.61
 Population Std. Dev. = .504

year	Number of the independent station used to predict the dependent station											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	10	4	4	2	2	2
1971	12	12	12	12	12	12	12	4	6	6	6	6
1972	12	12	12	12	12	2	10	3	6	6	6	13
1973	12	12	12	12	12	2	10	8	6	6	6	2
1974	12	12	12	12	12	2	3	8	6	6	6	6
1975	12	12	12	12	12	2	10	8	6	6	6	6
1976	12	12	12	12	12	2	10	8	6	6	6	6
1977	12	12	12	12	12	12	18	0	0	0	0	0
1978	12	12	12	12	12	2	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	12	12	12	12	12	2	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	12	12	12	12	12	2	0	0	0	0	0	0
1985	12	12	12	12	12	2	0	0	0	0	0	0
1986	12	12	12	12	12	2	0	0	0	0	0	0
1987	12	12	12	12	12	2	0	0	0	0	0	0
1988	12	12	12	12	12	2	0	0	0	0	0	0
1989	12	0	0	0	0	0	0	0	0	0	0	0
1990	12	12	12	12	12	2	0	0	0	0	0	13
1991	12	12	12	12	12	2	0	0	0	0	0	0
1992	12	12	12	12	12	2	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0

1996	11	11	11	11	11	11	0	0	0	0	0	8
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

				Correlation Coefficients												
Variable	Samplers	dictors	dictors													
1	164	37	0	****	****	****	****	****	****	****	****	.74	.86	.74	.61	.81
2	123	54	19	****	****	****	****	****	.92	****	****	.85	.90	.91	.77	.87
3	84	28	2	.00	.00	.00	.00	.00	.00	.00	.91	.96	.97	.97	.88	.90
4	135	37	3	****	****	****	****	****	****	****	****	.91	.92	.85	.65	.72
5	90	16	0	.00	.00	.00	.00	.00	.00	****	****	.89	.96	.96	.89	****
6	155	30	22	****	****	****	****	****	****	****	.62	.95	.97	.97	.97	.89
8	123	23	5	.00	.00	.00	.00	.00	.00	.00	.93	.97	.96	.91	.71	.85
9	19	2	0	.00	.00	.00	.00	.00	.00	.00	.70	.93	.94	.87	.82	.85
10	53	29	5	****	****	****	****	****	****	****	.95	.93	.91	.84	****	****
11	164	196	42	.63												
12	123	153	95	.89												
13	84	28	2	.96												
14	135	58	0	.78												
15	95	21	0	.92												
16	155	54	0	.86												
18	123	23	1	.95												
19	123	2	0	.91												
20	53	103	0	.86												

Resultant sample size = 360.
 Predicted mean = 3.40
 Predicted std dev. = .546
 Average standard error of prediction = 60.6
 Number of variables with no predictors = 0.

Analysis for: Station number 2355 Variable 8
 Population Size = 146.
 Population Mean = 4.06
 Population Std. Dev. = .398

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	10	10	10	10	10	10
1971	20	20	20	20	20	20	10	10	10	10	10	20
1972	20	20	20	20	20	20	10	10	10	10	10	20
1973	20	20	20	20	20	20	10	0	0	0	0	20
1974	20	20	20	20	20	20	0	0	0	0	0	0
1975	20	20	20	20	20	20	10	0	0	0	0	0
1976	20	20	20	20	20	20	10	0	0	0	0	0
1977	20	20	20	20	20	20	0	0	0	0	0	0
1978	20	20	20	20	20	20	0	0	0	0	0	0
1979	20	20	20	20	20	20	10	10	10	10	10	10
1980	20	20	20	20	20	20	0	0	0	0	0	0
1981	20	20	20	20	20	20	0	0	0	0	0	0
1982	20	20	20	20	20	20	0	0	0	0	0	0
1983	17	17	17	17	17	17	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0

1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	17	17	17	17	17	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	9	9	9	9	9	9
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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Correlation Coefficients

1	146	34	0	****	****	****	****	****	****	.49	.75	.79	.52	.43	.49
2	110	17	0	****	****	****	****	****	****	****	.69	.79	.82	****	.57
3	97	15	0	.00	.00	.00	.00	.00	.00	.69	.77	.88	.95	.69	.68
4	146	28	0	****	****	****	****	****	****	.51	.88	.89	.81	.59	****
5	96	11	0	.00	.00	.00	.00	.00	.00	****	.87	.92	.83	.70	****
6	135	22	0	****	****	****	****	****	****	.72	.89	.90	.88	.69	.69
7	123	12	0	****	****	****	****	****	****	.93	.97	.96	.91	.71	.85
9	119	6	6	.00	.00	.00	.00	.00	.00	1.00	.98	.98	.98	.95	.97
10	50	28	25	****	****	****	****	****	****	1.00	1.00	1.00	.98	.97	.94
11	146	214	42	.68											
12	110	166	49	.79											
13	97	15	0	.90											
14	146	47	0	.78											
15	101	15	0	.87											
16	135	74	0	.88											
17	123	41	11	.95											
19	119	6	0	.94											
20	50	106	81	.97											

Resultant sample size = 360.
 Predicted mean = 3.89
 Predicted std dev. = .413
 Average standard error of prediction = 42.0
 Number of variables with no predictors = 0.

Analysis for: Station number 2360 Variable 9

Population Size = 125.
 Population Mean = 3.88
 Population Std. Dev. = .548

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	20	20	20	20
1972	20	20	20	20	20	20	20	20	20	20	20	20
1973	20	20	20	20	20	20	20	20	20	8	20	20
1974	20	20	20	20	20	20	8	20	20	8	20	8
1975	20	20	20	20	20	20	20	20	20	20	20	8
1976	20	20	20	20	20	20	20	20	20	8	20	8
1977	20	20	20	20	20	20	8	20	20	8	20	8

1978	20	20	20	20	20	20	0	0	0	0	0	0
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	0	0	0	0	0	0
1981	20	20	20	20	20	20	0	0	0	0	0	0
1982	20	20	20	20	20	20	0	0	0	0	0	0
1983	17	17	17	17	17	17	8	0	0	0	0	0
1984	11	11	11	11	11	11	0	0	0	0	0	0
1985	11	11	11	11	11	11	0	0	0	0	0	0
1986	11	11	11	11	11	11	0	0	0	0	0	0
1987	11	11	11	11	11	11	0	0	0	0	0	0
1988	11	11	11	11	11	11	0	0	0	0	0	0
1989	11	17	17	17	17	17	0	0	0	0	0	0
1990	11	11	11	11	11	11	0	0	0	0	0	0
1991	11	11	11	11	11	11	0	0	0	0	0	0
1992	11	11	11	11	11	11	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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Correlation Coefficients

1	125	55	0	****	****	****	****	****	****	****	.47	.75	.82	.59	.65	.74
2	83	36	0	****	****	****	****	****	****	****	.75	.82	.74	****	.59	
3	80	32	0	.00	.00	.00	.00	.00	.00	.86	.89	.96	.97	.90	.84	
4	125	45	0	****	****	****	****	****	****	****	.93	.89	.80	.72	.50	
5	86	19	0	.00	.00	.00	.00	.00	.00	****	.91	.96	.84	.84	****	
6	115	42	0	****	****	****	****	****	****	****	.70	.93	.94	.87	.82	.79
7	123	12	0	****	****	****	****	****	****	****	.95	.97	.97	.90	.79	.85
8	119	27	11	.00	.00	.00	.00	.00	.00	1.00	.98	.98	.98	.95	.97	
11	125	235	91	.77												
12	83	193	0	.67												
13	80	32	0	.91												
14	125	68	0	.64												
15	91	25	0	.90												
16	115	94	0	.90												
17	123	41	11	.91												
18	119	27	0	.94												
20	24	132	122	.98												

Resultant sample size = 360.
 Predicted mean = 3.77
 Predicted std dev. = .455
 Average standard error of prediction = 52.4
 Number of variables with no predictors = 0.

Analysis for: Station number 2400 Variable 10
 Population Size = 156.
 Population Mean = 3.83
 Population Std. Dev. = .393

Number of the independent station used to predict the dependent station
 year Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	17	17	17	17	17	17	8	8	8	19	8	19	19
1984	11	11	11	1	11	11	8	8	8	19	8	19	19
1985	11	11	11	1	11	11	8	8	8	19	8	19	19
1986	11	11	11	1	11	11	8	8	8	19	8	19	19
1987	11	11	11	1	11	11	8	8	8	19	8	19	19
1988	11	11	11	1	11	11	8	8	8	19	8	19	19
1989	11	17	17	17	17	17	8	8	8	19	8	19	19
1990	11	11	11	1	11	11	8	8	8	19	8	19	19
1991	11	11	11	11	11	11	8	8	8	19	8	19	19
1992	11	11	11	1	11	11	8	8	8	19	8	19	19
1993	11	11	11	1	11	11	8	8	8	19	8	19	19
1994	11	11	11	1	11	11	8	8	8	19	8	19	19
1995	11	11	11	1	11	11	8	8	8	19	8	19	19
1996	11	11	11	1	11	11	8	8	8	19	8	19	19
1997	11	11	11	1	11	11	19	19	19	19	19	19	19
1998	11	11	11	1	11	11	8	8	8	19	8	19	19
1999	11	11	11	1	11	11	8	8	8	19	8	19	19

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1	156	51	14	****	****	****	.57	****	****	****	.75	****	****	.72	****		
2	156	20	0	****	****	****	****	****	****	****	****	****	****	.78	.59	****	
3	38	37	0	.00	.00	.00	.00	.00	.00	****	****	.83	.90	****	.83	****	
4	78	51	0	****	****	****	****	****	****	****	****	.74	.68	.63	****	****	
5	41	30	0	.00	.00	.00	.00	.00	.00	****	****	.85	.82	****	****	****	
6	106	62	0	****	****	****	****	****	****	****	****	.75	.63	.81	****	.62	
7	53	68	0	****	****	****	****	****	****	****	****	.95	.93	.91	.84	****	****
8	50	96	64	.00	.00	.00	.00	.00	.00	1.00	1.00	1.00	.98	.97	.94		
11	156	204	77	.63													
12	156	120	0	.54													
13	38	74	0	.88													
14	91	102	0	.49													
15	41	75	0	.78													
16	106	103	0	.75													
17	53	111	11	.86													
18	50	96	0	.97													
19	24	101	38	.98													

Resultant sample size = 360.
 Predicted mean = 3.85
 Predicted std dev. = .385
 Average standard error of prediction = 45.4
 Number of variables with no predictors = 0.

The total predicted error was 91703.05 for 1857. predictions

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 10 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 1700 Variable 1

```

Population Size = 360.
Population Mean = 4.02
Population Std. Dev. = .459

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
Predicted mean = 4.02
Predicted std dev. = .459
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```


Analysis for: Station number 1850 Variable 2

Population Size = 276.
 Population Mean = 3.35
 Population Std. Dev. = .467

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	11	11	11	11	11	11	13	13	13	13	13	13
1994	11	11	11	11	11	11	13	13	13	13	13	13
1995	11	11	11	11	11	11	13	13	13	13	13	13
1996	11	11	11	11	11	11	13	13	13	13	13	14
1997	11	11	11	11	11	11	13	13	13	13	13	13
1998	11	11	11	11	11	11	13	13	13	13	13	14
1999	11	11	11	11	11	11	13	13	13	13	13	13

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Variable	Sample	Actual	Predicted	Correlation Coefficients
11	276	84	42	.37
13	72	40	40	.91
14	151	42	2	.92
15	79	37	0	.77
16	169	40	0	.78
17	123	41	0	.89
18	110	36	0	.79
19	83	42	0	.67

Resultant sample size = 360.
 Predicted mean = 3.42
 Predicted std dev. = .468
 Average standard error of prediction = 83.2
 Number of variables with no predictors = 0.

Analysis for: Station number 1855 Variable 3

Population Size = 112.
 Population Mean = 3.51
 Population Std. Dev. = .539

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	12	12	12	12	12	12
1971	12	12	12	12	12	12	12	12	0	0	0	0
1972	12	12	12	12	12	12	12	0	0	0	0	0
1973	12	12	12	12	12	12	12	16	0	0	0	12
1974	12	12	12	12	12	12	0	0	0	0	0	0
1975	12	12	12	12	12	12	12	12	0	0	0	0
1976	16	16	16	16	16	16	16	0	0	0	0	0
1977	16	16	16	16	16	16	16	0	0	0	0	0
1978	16	16	16	16	16	16	0	0	0	0	0	0
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	16	16	16	16	16
1981	16	16	16	16	16	16	16	16	16	16	16	16
1982	17	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	16	16	16	16
1984	12	12	12	12	12	12	16	16	16	16	16	16
1985	12	12	12	12	12	12	16	16	16	16	16	16
1986	12	12	12	12	12	12	17	17	17	17	17	17
1987	12	12	12	12	12	12	17	16	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	16	16	16	16	16	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	19
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	16
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	112	248	42	.81
12	72	204	98	.91
14	112	81	0	.74
15	89	27	0	.87
16	110	99	99	.97
17	84	80	8	.96
18	97	49	0	.90
19	80	45	1	.91
20	38	118	0	.88

Resultant sample size = 360.
 Predicted mean = 3.13
 Predicted std dev. = .648
 Average standard error of prediction = 50.2
 Number of variables with no predictors = 0.

Analysis for: Station number 2000 Variable 4

Population Size = 193.
 Population Mean = 3.40
 Population Std. Dev. = .453

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	12	12	12	12	12	0	0	0	0	0	0
1973	12	12	12	12	12	12	0	0	0	0	0	0
1974	12	12	12	12	12	12	0	0	0	0	0	0
1975	12	12	12	12	12	12	0	0	0	0	0	0
1976	12	12	12	12	12	12	0	0	0	0	0	0
1977	12	12	12	12	12	12	0	0	0	0	0	0
1978	12	12	12	12	12	12	0	0	0	0	0	0
1979	12	12	12	12	12	12	0	0	0	0	0	0
1980	12	12	12	12	12	12	0	0	0	0	0	0
1981	12	12	12	12	12	12	0	0	0	0	0	0
1982	12	12	12	12	12	12	0	0	0	0	0	0
1983	12	12	12	12	12	12	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0
1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	12	12	12	12	12	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	193	167	42	.43
12	151	125	125	.92
16	157	52	0	.75
17	135	29	0	.78
20	91	65	0	.49

Resultant sample size = 360.
 Predicted mean = 3.19
 Predicted std dev. = .463
 Average standard error of prediction = 62.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2005 Variable 5

Population Size = 116.
 Population Mean = 3.20

Population Std. Dev. = .547

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	0	0	0	0
1972	20	20	20	20	20	20	20	0	0	0	0	0
1973	20	20	20	20	20	20	20	16	16	0	0	0
1974	20	20	20	20	20	20	16	0	0	0	0	0
1975	20	20	20	20	20	20	20	18	0	0	0	0
1976	16	16	16	16	16	16	16	16	16	16	16	16
1977	16	16	16	16	16	16	16	16	0	0	0	0
1978	16	16	16	16	16	16	16	0	0	0	0	0
1979	16	16	16	16	16	16	16	16	16	16	16	16
1980	16	16	16	16	16	16	16	0	0	0	0	0
1981	16	16	16	16	16	16	0	0	0	0	0	0
1982	17	16	16	16	16	16	16	16	16	16	16	16
1983	16	16	16	16	16	16	16	16	0	0	0	0
1984	11	11	11	11	11	11	16	16	16	16	16	16
1985	11	11	11	11	11	11	16	16	0	0	0	0
1986	11	11	11	11	11	11	17	0	0	0	0	0
1987	11	11	11	11	11	11	17	0	0	0	0	0
1988	11	11	11	11	11	11	16	0	0	0	0	0
1989	11	16	16	16	16	16	16	16	16	16	16	16
1990	11	11	11	11	11	11	16	0	0	0	0	19
1991	11	11	11	11	11	11	16	0	0	0	0	0
1992	11	11	11	11	11	11	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	16	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	17	0	0	0	0	19
1997	11	11	11	11	11	11	16	0	0	0	0	0
1998	11	11	11	11	11	11	16	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	116	244	91	.81
12	79	197	0	.77
13	89	23	0	.87
14	116	77	0	.78
16	110	99	99	.92
17	95	69	4	.92
18	101	45	1	.87
19	91	34	2	.90
20	41	115	47	.78

Resultant sample size = 360.
 Predicted mean = 3.13
 Predicted std dev. = .404
 Average standard error of prediction = 71.4
 Number of variables with no predictors = 0.

Analysis for: Station number 2020 Variable 6
 Population Size = 209.
 Population Mean = 3.69

Population Std. Dev. = .420

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	12	12	12	12	12	12
1971	12	12	12	12	12	12	12	12	0	0	0	0
1972	12	12	12	12	12	12	12	0	0	0	0	0
1973	12	12	12	12	12	12	12	0	0	0	0	15
1974	12	12	12	12	12	12	0	0	0	0	0	0
1975	12	12	12	12	12	12	12	18	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	17	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	19	15	15	15	15	15
1987	12	12	12	12	12	12	19	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	0	0	0	0	0	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	13
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	13	0	0	0	0	19
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	209	151	42	.78
12	169	107	96	.78
13	110	2	2	.97
14	157	36	0	.75
15	110	6	6	.92
17	155	9	1	.86
18	135	11	1	.88
19	115	10	3	.90
20	106	50	0	.75

Resultant sample size = 360.
 Predicted mean = 3.57
 Predicted std dev. = .408
 Average standard error of prediction = 61.0
 Number of variables with no predictors = 0.

Analysis for: Station number 2025 Variable 7
 Population Size = 164.
 Population Mean = 3.61

Population Std. Dev. = .504

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	12	12	12	12	12	12
1971	12	12	12	12	12	12	12	12	13	13	13	13
1972	12	12	12	12	12	12	12	13	13	13	13	13
1973	12	12	12	12	12	12	12	18	13	13	13	15
1974	12	12	12	12	12	12	13	13	13	13	13	13
1975	12	12	12	12	12	12	12	18	13	13	13	13
1976	12	12	12	12	12	12	12	13	13	13	13	13
1977	12	12	12	12	12	12	18	0	0	0	0	0
1978	12	12	12	12	12	12	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	12	12	12	12	12	12	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0
1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	0	0	0	0	0	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	13
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	18
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	164	196	42	.63
12	123	153	121	.89
13	84	28	28	.96
14	135	58	0	.78
15	95	21	1	.92
16	155	54	0	.86
18	123	23	4	.95
19	123	2	0	.91
20	53	103	0	.86

Resultant sample size = 360.
 Predicted mean = 3.38
 Predicted std dev. = .546
 Average standard error of prediction = 64.1
 Number of variables with no predictors = 0.

Analysis for: Station number 2355 Variable 8
 Population Size = 146.
 Population Mean = 4.06

Population Std. Dev. = .398

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	20	20	20	20
1972	20	20	20	20	20	20	20	20	20	20	20	20
1973	20	20	20	20	20	20	20	0	0	0	0	20
1974	20	20	20	20	20	20	0	0	0	0	0	0
1975	20	20	20	20	20	20	20	0	0	0	0	0
1976	20	20	20	20	20	20	20	0	0	0	0	0
1977	20	20	20	20	20	20	0	0	0	0	0	0
1978	20	20	20	20	20	20	0	0	0	0	0	0
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	0	0	0	0	0	0
1981	20	20	20	20	20	20	0	0	0	0	0	0
1982	20	20	20	20	20	20	0	0	0	0	0	0
1983	17	17	17	17	17	17	0	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0
1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	0	0	0	0	0	0
1989	12	17	17	17	17	17	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	0
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	17	17	17	17	17	17
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	146	214	42	.68
12	110	166	49	.79
13	97	15	0	.90
14	146	47	0	.78
15	101	15	0	.87
16	135	74	0	.88
17	123	41	17	.95
19	119	6	0	.94
20	50	106	106	.97

Resultant sample size = 360.
 Predicted mean = 3.89
 Predicted std dev. = .415
 Average standard error of prediction = 43.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2360 Variable 9
 Population Size = 125.
 Population Mean = 3.88

Population Std. Dev. = .548

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	20	20	20	20	20
1971	20	20	20	20	20	20	20	20	20	20	20	20
1972	20	20	20	20	20	20	20	20	20	20	20	20
1973	20	20	20	20	20	20	20	20	20	20	20	20
1974	20	20	20	20	20	20	20	20	20	20	20	20
1975	20	20	20	20	20	20	20	20	20	20	20	20
1976	20	20	20	20	20	20	20	20	20	20	20	20
1977	20	20	20	20	20	20	20	20	20	20	20	20
1978	20	20	20	20	20	20	0	0	0	0	0	0
1979	20	20	20	20	20	20	20	20	20	20	20	20
1980	20	20	20	20	20	20	0	0	0	0	0	0
1981	20	20	20	20	20	20	0	0	0	0	0	0
1982	20	20	20	20	20	20	0	0	0	0	0	0
1983	17	17	17	17	17	17	18	0	0	0	0	0
1984	11	11	11	11	11	11	0	0	0	0	0	0
1985	11	11	11	11	11	11	0	0	0	0	0	0
1986	11	11	11	11	11	11	0	0	0	0	0	0
1987	11	11	11	11	11	11	0	0	0	0	0	0
1988	11	11	11	11	11	11	0	0	0	0	0	0
1989	11	17	17	17	17	17	0	0	0	0	0	0
1990	11	11	11	11	11	11	0	0	0	0	0	0
1991	11	11	11	11	11	11	0	0	0	0	0	0
1992	11	11	11	11	11	11	0	0	0	0	0	0
1993	11	11	11	11	11	11	0	0	0	0	0	0
1994	11	11	11	11	11	11	0	0	0	0	0	0
1995	11	11	11	11	11	11	0	0	0	0	0	0
1996	11	11	11	11	11	11	0	0	0	0	0	0
1997	11	11	11	11	11	11	0	0	0	0	0	0
1998	11	11	11	11	11	11	0	0	0	0	0	0
1999	11	11	11	11	11	11	0	0	0	0	0	0

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11	125	235	91	.77
12	83	193	0	.67
13	80	32	0	.91
14	125	68	0	.64
15	91	25	0	.90
16	115	94	0	.90
17	123	41	11	.91
18	119	27	1	.94
20	24	132	132	.98

Resultant sample size = 360.
 Predicted mean = 3.77
 Predicted std dev. = .455
 Average standard error of prediction = 52.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2400 Variable 10
 Population Size = 156.
 Population Mean = 3.83

Population Std. Dev. = .393

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	17	17	17	17	17	17	18	19	19	19	19	19
1984	11	11	11	11	11	11	19	19	19	19	19	19
1985	11	11	11	11	11	11	19	19	19	19	19	19
1986	11	11	11	11	11	11	19	19	19	19	19	19
1987	11	11	11	11	11	11	19	19	19	19	19	19
1988	11	11	11	11	11	11	19	19	19	19	19	19
1989	11	17	17	17	17	17	19	19	19	19	19	19
1990	11	11	11	11	11	11	19	19	19	19	19	19
1991	11	11	11	11	11	11	19	19	19	19	19	19
1992	11	11	11	11	11	11	19	19	19	19	19	19
1993	11	11	11	11	11	11	19	19	19	19	19	19
1994	11	11	11	11	11	11	19	19	19	19	19	19
1995	11	11	11	11	11	11	19	19	19	19	19	19
1996	11	11	11	11	11	11	19	19	19	19	19	19
1997	11	11	11	11	11	11	19	19	19	19	19	19
1998	11	11	11	11	11	11	19	19	19	19	19	19
1999	11	11	11	11	11	11	19	19	19	19	19	19

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11	156	204	91	.63
12	156	120	0	.54
13	38	74	0	.88
14	91	102	0	.49
15	41	75	0	.78
16	106	103	0	.75
17	53	111	11	.86
18	50	96	1	.97
19	24	101	101	.98

Resultant sample size = 360.
 Predicted mean = 3.85
 Predicted std dev. = .400
 Average standard error of prediction = 49.2
 Number of variables with no predictors = 0.

The total predicted error was 100857.80 for 1857. predictions

PINANON7: Nonnatural Flow Sites - Piney Creek Subbasin without Station 06321000

USGS #	MOVE #	# 1	# 2	Name
06323000	2300	1	8	Piney Creek at Kearney, WY
SEO Gage	2305	2	9	Little Piney Creek
SEO Gage	2310	3	10	Piney Creek Below Lake DeSmet Tunnel Intake, WY
06323500	2350	4	11	Piney Creek at Ucross, WY
SEO Gage	2360	5	12	Clear Creek Below P&F# Ditch, WY
06324000	2400	6	13	Clear Creek Near Arvada, WY
06324500	2450	7	14	Powder River at Moorhead, MT

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 7 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 2300 Variable 1

```

Population Size = 351.
Population Mean = 3.45
Population Std. Dev. = .455

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	7	14	7	7	7	0	0	0	0	0	0
1999	0	0	14	7	7	7	0	0	0	0	0	0

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Correlation Coefficients

7	131	7	7	.00	.63	****	.42	.48	.58	.00	.00	.00	.00	.00
14	327	9	2	.80										

```

Resultant sample size = 360.
Predicted mean = 3.45
Predicted std dev. = .450
Average standard error of prediction = 34.8
Number of variables with no predictors = 0.

```

Analysis for: Station number 2305 Variable 2

Population Size = 52.
 Population Mean = 2.94
 Population Std. Dev. = .297

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	13	13	13	13	13	13	13	13	13	13	13	1
1971	13	13	13	13	13	13	13	13	13	13	13	1
1972	13	13	13	13	13	13	13	13	13	13	13	13
1973	13	13	13	13	13	13	13	13	13	13	13	13
1974	13	13	13	13	13	13	13	13	13	13	13	1
1975	13	13	13	13	13	13	13	13	13	13	13	1
1976	13	13	13	13	13	13	13	13	13	13	13	1
1977	13	13	13	13	13	13	13	13	13	13	13	1
1978	13	13	13	13	13	13	13	13	7	13	13	13
1979	13	13	13	13	13	13	13	13	13	13	13	1
1980	13	13	13	13	13	13	13	13	13	13	13	13
1981	13	13	13	13	13	13	13	0	0	0	0	0
1982	13	13	13	13	13	13	13	13	13	13	13	13
1983	14	14	14	14	14	14	14	14	0	0	0	0
1984	14	14	14	14	14	14	14	14	7	7	14	1
1985	14	14	14	14	14	14	14	14	0	0	0	1
1986	14	14	14	14	14	14	14	14	0	0	0	1
1987	14	14	14	14	14	14	14	14	7	7	14	1
1988	14	14	14	14	14	14	14	14	0	0	0	1
1989	14	14	14	14	14	14	14	14	7	7	14	1
1990	14	14	14	14	14	14	14	14	7	7	14	1
1991	14	14	14	14	14	14	14	14	0	0	0	1
1992	14	14	14	14	14	14	14	14	0	0	0	1
1993	14	14	14	14	14	14	14	14	0	0	0	1
1994	14	14	14	14	14	14	14	14	0	0	0	0
1995	14	14	14	14	14	14	14	0	0	0	0	1
1996	14	14	14	14	14	14	14	0	0	0	0	0
1997	14	14	14	14	14	14	14	0	0	0	0	0
1998	14	14	14	14	14	14	14	14	0	0	0	0
1999	14	14	14	14	14	14	14	14	0	0	0	1

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1	52	72	19	****	****	****	****	****	****	****	****	****	.85	.69	.61	.89
3	40	12	0	****	****	****	****	****	****	****	****	****	.81	****	****	****
4	45	16	0	****	****	****	****	****	****	****	****	****	.77	****	****	****
5	52	14	0	.00	.00	.00	.00	.00	.00	****	****	****	.92	.61	****	****
7	52	28	9	****	****	****	****	****	****	****	****	****	.92	.77	****	****
8	52	299	0	.78												
10	40	141	0	.75												
11	45	191	0	.66												
12	52	73	0	.77												
13	5	151	143	.96												
14	52	284	137	.81												

Resultant sample size = 360.
 Predicted mean = 2.89
 Predicted std dev. = .215
 Average standard error of prediction = 32.4
 Number of variables with no predictors = 0.

Analysis for: Station number 2310 Variable 3
 Population Size = 181.

Population Mean = 3.23
 Population Std. Dev. = .737

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	4	4	4	4	6	4	4	4	4	1	1	11
1971	4	4	4	4	6	4	4	4	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	11
1974	4	4	4	4	6	4	4	4	4	1	1	11
1975	4	4	4	4	6	4	4	4	4	1	1	11
1976	4	4	4	4	6	4	4	4	4	1	1	11
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	4	4	11	11	6	4	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	8	8	8	8	8	7	5	4	0	0	0	0
1985	8	8	8	8	8	7	0	0	0	0	0	0
1986	8	8	8	8	8	7	0	0	0	0	0	0
1987	8	8	8	8	8	7	5	0	0	0	0	0
1988	8	8	8	8	8	7	5	0	0	0	0	0
1989	8	0	0	0	0	0	0	0	0	0	0	0
1990	8	8	8	8	8	7	5	0	0	0	0	12
1991	8	8	8	8	8	7	0	0	0	0	0	0
1992	8	8	8	8	8	7	0	0	0	0	0	0
1993	8	8	8	8	8	7	0	0	0	0	0	0
1994	8	8	8	8	8	7	0	0	0	0	0	0
1995	8	8	8	8	8	7	0	0	0	0	0	0
1996	8	8	8	8	8	7	5	0	0	0	0	0
1997	8	8	8	8	8	7	5	4	4	1	1	12
1998	8	14	14	14	14	7	5	4	4	1	1	12
1999	8	8	14	14	14	7	5	5	5	1	1	12

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Correlation Coefficients

1	181	30	14	****	****	****	****	****	****	****	.82	.90	.91	.92	****
2	40	3	0	.00	.00	.00	.00	.00	.00	.00	****	.81	****	****	****
4	160	63	47	.91	.86	.82	.86	.77	.91	.84	.97	.97	.58	****	****
5	100	18	10	.00	.00	.00	.00	.00	.00	.89	.94	.93	.73	****	****
6	93	48	6	.82	.81	****	.80	.88	.88	.77	.90	.95	.73	****	****
7	170	46	15	****	****	****	****	****	.72	****	.76	.88	.73	.55	****
8	181	170	69	.62											
9	40	12	0	.75											
11	160	76	7	.72											
12	100	25	4	.80											
13	93	63	0	.56											
14	170	166	7	.53											

Resultant sample size = 360.
 Predicted mean = 3.24
 Predicted std dev. = .630
 Average standard error of prediction = 138.9
 Number of variables with no predictors = 0.

Analysis for: Station number 2350 Variable 4
 Population Size = 236.
 Population Mean = 3.62

Population Std. Dev. = .449

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	3	3	3	3	3	3	3	5	0	0	0	0
1984	7	8	7	7	8	1	5	0	0	0	0	0
1985	7	8	7	7	8	1	5	0	0	0	0	0
1986	7	8	7	7	8	1	0	0	0	0	0	0
1987	1	8	7	7	8	1	5	0	0	0	0	0
1988	7	8	7	7	8	1	5	5	3	5	5	5
1989	7	3	3	3	3	3	5	0	0	0	0	0
1990	7	8	7	7	8	1	5	0	0	0	0	0
1991	7	8	7	7	8	1	5	0	0	0	0	0
1992	7	8	7	7	8	1	0	0	0	0	0	0
1993	7	8	7	7	8	1	0	0	0	0	0	0
1994	7	8	7	7	8	1	0	0	0	0	0	0
1995	8	8	7	7	8	1	0	0	0	0	0	0
1996	7	8	7	7	8	1	5	0	0	0	0	0
1997	7	8	7	7	8	1	0	0	0	0	0	0
1998	7	14	7	7	14	7	0	0	0	0	0	5
1999	8	8	7	7	14	7	5	5	12	5	5	5

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1	236	51	14	.65	****	****	****	****	.65	.49	.77	.85	.53	.49	****
2	41	2	0	.00	.00	.00	.00	.00	.00	.00	****	.77	****	****	****
3	160	19	13	.91	.86	.82	.86	.77	.91	.84	.97	.97	.58	****	****
5	104	21	19	.00	.00	.00	.00	.00	.00	.93	.97	.91	.70	.83	.83
7	212	107	45	.75	.62	.85	.91	****	.62	.71	.85	.85	.52	.50	.54
8	236	115	29	.67											
9	45	7	0	.66											
10	160	21	0	.72											
12	104	21	1	.86											
14	212	124	3	.67											

Resultant sample size = 360.
 Predicted mean = 3.53
 Predicted std dev. = .432
 Average standard error of prediction = 62.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2360 Variable 5
 Population Size = 125.
 Population Mean = 3.88
 Population Std. Dev. = .548

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	13	13	13	13	13	13	13	13	13	13	13	13
1971	13	13	13	13	13	13	13	13	13	13	13	13
1972	13	13	13	13	13	13	13	13	13	13	13	13
1973	13	13	13	13	13	13	13	13	13	13	13	13
1974	13	13	13	13	13	13	13	13	13	13	13	13
1975	13	13	13	13	13	13	13	13	13	13	13	13
1976	13	13	13	13	13	13	13	13	13	13	13	13
1977	13	13	13	13	13	13	13	13	13	13	13	13
1978	13	13	13	13	13	13	0	0	0	0	0	0
1979	13	13	13	13	13	13	13	13	13	13	13	13
1980	13	13	13	13	13	13	0	0	0	0	0	0
1981	13	13	13	13	13	13	0	0	0	0	0	0
1982	13	13	13	13	13	13	0	0	0	0	0	0
1983	14	14	14	14	14	14	3	0	0	0	0	0
1984	14	14	14	14	14	14	0	0	0	0	0	0
1985	14	14	14	14	14	14	0	0	0	0	0	0
1986	14	14	14	14	14	14	0	0	0	0	0	0
1987	14	14	14	14	14	14	0	0	0	0	0	0
1988	14	14	14	14	14	14	0	0	0	0	0	0
1989	14	14	14	14	14	14	0	0	0	0	0	0
1990	14	14	14	14	14	14	0	0	0	0	0	0
1991	14	14	14	14	14	14	0	0	0	0	0	0
1992	14	14	14	14	14	14	0	0	0	0	0	0
1993	14	14	14	14	14	14	0	0	0	0	0	0
1994	14	14	14	14	14	14	0	0	0	0	0	0
1995	14	14	14	14	14	14	0	0	0	0	0	0
1996	14	14	14	14	14	14	0	0	0	0	0	0
1997	14	14	14	14	14	14	0	0	0	0	0	0
1998	14	14	14	14	14	14	0	0	0	0	0	0
1999	14	14	14	14	14	14	0	0	0	0	0	0

Correlation Coefficients																
Variable	Sam	dict	dict													
able	ples	ors	ors													
1	125	55	0	****	****	****	****	****	****	****	.62	.86	.93	.77	.69	.61
3	100	19	1	****	****	****	****	****	****	****	.89	.94	.93	.73	****	****
4	104	54	0	****	****	****	****	****	****	****	.93	.97	.91	.70	.83	.83
7	125	43	0	****	****	****	****	****	****	****	.83	.89	.95	.78	.86	.89
8	125	226	0	.82												
10	100	81	0	.80												
11	104	132	0	.86												
13	24	132	132	.98												
14	125	211	102	.90												

Resultant sample size = 360.
 Predicted mean = 3.77
 Predicted std dev. = .446
 Average standard error of prediction = 38.5
 Number of variables with no predictors = 0.

Analysis for: Station number 2400 Variable 6
 Population Size = 156.
 Population Mean = 3.83
 Population Std. Dev. = .393

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0

1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	7	7	7	3	3	3	7	12	12	12	12	12	12
1984	7	7	7	7	14	1	12	12	12	12	12	12	12
1985	7	7	7	7	14	7	12	12	12	12	12	12	12
1986	7	7	7	7	14	1	4	12	12	12	12	12	12
1987	1	7	7	7	14	1	12	12	12	12	12	12	12
1988	7	7	7	7	14	1	12	12	12	12	12	12	12
1989	7	3	7	3	3	3	12	12	12	12	12	12	12
1990	7	7	7	7	14	1	12	12	12	12	12	12	12
1991	7	7	7	7	14	1	12	12	12	12	12	12	12
1992	7	7	7	7	14	1	4	12	12	12	12	12	12
1993	7	7	7	7	14	1	4	12	12	12	12	12	12
1994	7	7	7	7	14	7	4	12	12	12	12	12	12
1995	1	7	7	7	14	1	12	12	12	12	12	12	12
1996	7	7	7	7	14	1	12	12	12	12	12	12	12
1997	7	7	7	7	14	1	4	12	12	12	12	12	12
1998	7	7	7	7	14	7	4	12	12	12	12	12	12
1999	7	14	7	7	14	14	12	12	12	12	12	12	12

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Correlation Coefficients

1	156	100	13	.62	****	****	****	****	.63	.57	.89	.87	.79	****	****
3	93	59	7	.82	.81	****	.80	.88	.88	.77	.90	.95	.73	****	****
4	78	80	6	****	****	****	****	****	****	.96	.95	.97	.89	.73	.72
7	132	187	66	.77	.75	.79	.88	****	.70	.78	.92	.91	.85	.91	.89
8	156	195	0	.73											
9	5	47	0	.96											
10	93	88	0	.56											
11	156	80	0	.85											
12	24	101	95	.98											
14	132	204	17	.84											

Resultant sample size = 360.
 Predicted mean = 3.84
 Predicted std dev. = .400
 Average standard error of prediction = 32.5
 Number of variables with no predictors = 0.

Analysis for: Station number 2450 Variable 7

Population Size = 336.
 Population Mean = 4.26
 Population Std. Dev. = .404

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	6	6	4	4	13	1	4	6	6	1	6	6
1974	6	6	4	4	13	1	4	6	6	1	6	6

1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0

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Vari	Sam	dict	dict	Pre	Pre										
able	ples	ors	ors	ors	ors										
1	327	22	4	.77	.63	****	.42	.48	.58	.65	.83	.94	.85	.60	.68
3	149	5	0	****	****	****	****	****	.72	****	.76	.88	.73	.55	****
4	212	22	6	.75	.62	.85	.91	****	.62	.71	.85	.85	.52	.50	.54
6	132	22	12	.77	.75	.79	.88	****	.70	.78	.92	.91	.85	.91	.89
8	327	24	0	.80											
10	170	11	0	.53											
11	212	24	0	.67											
13	132	24	2	.84											

Resultant sample size = 360.
 Predicted mean = 4.27
 Predicted std dev. = .401
 Average standard error of prediction = 35.7
 Number of variables with no predictors = 0.

The total predicted error was 59427.10 for 1437. predictions

NONPOWC7: Nonnatural Flow Sites - Clear Creek Model with Full Period Natural Flow Sites

USGS # MOVE # # 1 # 2 Name

06289000	8900	8	16	Little Bighorn River at State Line, Near Wyola, MT
06298000	9800	7	15	Tongue River Near Dayton, WY
06309200	9200	6	14	Middle Fork Powder River Near Barnum, WY
06320000	2000	4	12	Rock Creek Near Buffalo, WY
06320200	2020	5	13	Clear Creek Below Rock Creek, Near Buffalo, WY
06323000	2300	1	6	Piney Creek at Kearney, WY
SEO Gage	2310	2	10	Piney Creek Below Lake DeSmet Tunnel Intake, WY
06323500	2350	3	8	Piney Creek at Ucross, WY

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 8 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 2300 Variable 1

```

Population Size = 351.
Population Mean = 3.45
Population Std. Dev. = .455

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	7	7	7	7	6	0	0	0	0	0	0
1999	0	0	8	7	7	6	0	0	0	0	0	0

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Correlation Coefficients

6	141	5	2	.00	.61	****	****	.46	.64	.00	.00	.00	.00	.00	.00
7	141	9	6	.00	.68	.62	.49	.68	.53	.00	.00	.00	.00	.00	.00
8	141	7	1	.00	.56	.58	.41	.48	****	.00	.00	.00	.00	.00	.00
14	351	9	0	.84											
15	351	9	0	.80											
16	351	9	0	.78											

Resultant sample size = 360.
 Predicted mean = 3.45
 Predicted std dev. = .449
 Average standard error of prediction = 23.1
 Number of variables with no predictors = 0.

Analysis for: Station number 2310 Variable 2

Population Size = 181.
 Population Mean = 3.23
 Population Std. Dev. = .737

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	3	3	3	3	3	3	3	3	3	1	1	15
1971	3	3	3	3	3	3	3	3	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	15
1974	3	3	3	3	3	3	3	3	3	1	1	15
1975	3	3	3	3	3	3	3	3	3	1	1	15
1976	3	3	3	3	3	3	3	3	3	1	1	15
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	3	3	15	15	15	3	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	15	15	15	15	15	6	15	3	0	0	0	0
1985	15	15	15	15	15	6	0	0	0	0	0	0
1986	15	15	15	15	15	6	0	0	0	0	0	0
1987	15	15	15	15	15	6	15	0	0	0	0	0
1988	15	15	15	15	15	6	15	0	0	0	0	0
1989	15	0	0	0	0	0	0	0	0	0	0	0
1990	15	15	15	15	15	6	15	0	0	0	0	15
1991	15	15	15	15	15	6	0	0	0	0	0	0
1992	15	15	15	15	15	6	0	0	0	0	0	0
1993	15	15	15	15	15	6	0	0	0	0	0	0
1994	15	15	15	15	15	6	0	0	0	0	0	0
1995	15	15	15	15	15	6	0	0	0	0	0	0
1996	15	15	15	15	15	6	15	0	0	0	0	0
1997	15	15	15	15	15	6	3	3	3	1	1	15
1998	15	15	15	15	15	6	3	3	3	1	1	15
1999	15	15	15	15	15	6	15	4	1	1	1	15

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Correlation Coefficients

1	181	30	15	****	****	****	****	****	****	****	.82	.90	.91	.92	****
3	160	63	54	.91	.86	.82	.86	.77	.91	.84	.97	.97	.58	****	****
4	129	30	1	****	****	****	****	****	****	****	.91	.84	.55	.44	****
5	159	24	0	****	****	****	****	****	****	****	.76	.77	.84	.68	****
6	181	44	15	****	****	****	****	****	.67	****	.62	.87	.70	****	****
7	181	30	0	****	****	****	****	****	****	****	.75	.89	.80	.51	****
8	181	23	0	****	****	****	****	****	****	****	.81	.88	.76	****	****
9	181	170	0	.62											
11	160	76	0	.72											
12	129	64	0	.61											
13	159	50	0	.58											

14 181 179 0 .64
 15 181 179 94 .74
 16 181 179 0 .74

Resultant sample size = 360.
 Predicted mean = 3.13
 Predicted std dev. = .687
 Average standard error of prediction = 118.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2350 Variable 3
 Population Size = 236.
 Population Mean = 3.62
 Population Std. Dev. = .449

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	2	2	2	2	2	2	2	2	0	0	0	0
1984	16	16	16	16	16	1	1	0	0	0	0	0
1985	16	16	16	16	16	6	2	0	0	0	0	0
1986	16	16	16	16	16	1	0	0	0	0	0	0
1987	16	16	16	16	16	1	1	0	0	0	0	0
1988	16	16	16	16	16	1	1	2	2	2	1	12
1989	16	2	2	2	2	2	2	0	0	0	0	0
1990	16	16	16	16	16	1	1	0	0	0	0	0
1991	16	16	16	16	16	1	2	0	0	0	0	0
1992	16	16	16	16	16	1	0	0	0	0	0	0
1993	16	16	16	16	16	1	0	0	0	0	0	0
1994	16	16	16	16	16	6	0	0	0	0	0	0
1995	16	16	16	16	16	1	0	0	0	0	0	0
1996	16	16	16	16	16	1	1	0	0	0	0	0
1997	16	16	16	16	16	1	0	0	0	0	0	0
1998	16	16	16	16	16	6	0	0	0	0	0	12
1999	16	16	16	16	16	8	1	4	7	1	1	12

Variable	Sample	Actual	Actual	Correlation Coefficients											
	Size	Count	Count	1	2	4	5	6	7	1	2	4	5	6	7
1	236	51	20	.65	****	****	****	****	.65	.49	.77	.85	.53	.49	****
2	160	19	19	.91	.86	.82	.86	.77	.91	.84	.97	.97	.58	****	****
4	158	7	1	****	****	****	****	****	****	****	.82	.80	.45	****	****
5	178	17	0	****	****	****	****	****	****	****	.55	.76	.74	.50	****
6	236	24	3	****	****	****	****	****	.59	****	.68	.81	.41	****	****
7	236	7	1	****	****	****	****	****	****	****	.67	.86	.51	****	****

8	236	24	1	****	****	****	****	****	.58	****	.81	.84	.48	****	****
9	236	115	0	.67											
10	160	21	0	.72											
12	171	22	3	.70											
13	178	31	0	.68											
14	236	124	0	.65											
15	236	124	0	.74											
16	236	124	76	.75											

Resultant sample size = 360.
 Predicted mean = 3.50
 Predicted std dev. = .437
 Average standard error of prediction = 68.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2000 Variable 4
 Population Size = 193.
 Population Mean = 3.40
 Population Std. Dev. = .453

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	15	15	15	15	15	0	0	0	0	0	0
1973	15	15	15	15	15	15	0	0	0	0	0	0
1974	15	15	15	15	15	15	0	0	0	0	0	0
1975	15	15	15	15	15	15	0	0	0	0	0	0
1976	15	15	15	15	15	15	0	0	0	0	0	0
1977	15	15	15	15	15	15	0	0	0	0	0	0
1978	15	15	15	15	15	15	0	0	0	0	0	0
1979	15	15	15	15	15	15	0	0	0	0	0	0
1980	15	15	15	15	15	15	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	15	15	15	15	15	15	0	0	0	0	0	0
1983	15	15	15	15	15	15	0	0	0	0	0	0
1984	15	15	15	15	15	15	0	0	0	0	0	0
1985	15	15	15	15	15	15	0	0	0	0	0	0
1986	15	15	15	15	15	15	0	0	0	0	0	0
1987	15	15	15	15	15	15	0	0	0	0	0	0
1988	15	15	15	15	15	15	0	0	0	0	0	0
1989	15	15	15	15	15	15	0	0	0	0	0	0
1990	15	15	15	15	15	15	0	0	0	0	0	0
1991	15	15	15	15	15	15	0	0	0	0	0	0
1992	15	15	15	15	15	15	0	0	0	0	0	0
1993	15	15	15	15	15	15	0	0	0	0	0	0
1994	15	15	15	15	15	15	0	0	0	0	0	0
1995	15	15	15	15	15	15	0	0	0	0	0	0
1996	15	15	15	15	15	15	0	0	0	0	0	0
1997	15	15	15	15	15	15	0	0	0	0	0	0
1998	15	15	15	15	15	15	0	0	0	0	0	0
1999	15	15	15	15	15	15	0	0	0	0	0	0

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9 193 158 0 .68

10 129 52 0 .61
 11 171 65 0 .70
 13 157 52 0 .75
 14 193 167 0 .66
 15 193 167 167 .90
 16 193 167 0 .88

Resultant sample size = 360.
 Predicted mean = 3.11
 Predicted std dev. = .462
 Average standard error of prediction = 49.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2020 Variable 5

Population Size = 209.
 Population Mean = 3.69
 Population Std. Dev. = .420

year	Number of the independent station used to predict the dependent station											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	6	6	7	6	6	7	1	4	4	1	9	9
1971	6	6	7	6	6	1	1	4	0	0	0	0
1972	6	6	7	6	6	7	1	0	0	0	0	0
1973	6	7	7	6	6	7	1	0	0	0	0	9
1974	6	6	7	6	6	7	0	0	0	0	0	0
1975	9	7	7	6	6	7	1	4	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	6	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	6	7	7	6	6	7	0	0	0	0	0	0
1985	6	7	7	6	6	7	0	0	0	0	0	0
1986	6	6	6	6	6	7	1	4	4	1	9	9
1987	6	7	7	6	6	7	1	0	0	0	0	0
1988	9	7	7	6	6	7	0	0	0	0	0	0
1989	9	0	0	0	0	0	0	0	0	0	0	0
1990	9	6	7	6	6	7	0	0	0	0	0	9
1991	6	6	7	6	6	7	0	0	0	0	0	0
1992	6	7	7	6	6	7	0	0	0	0	0	0
1993	6	6	7	6	6	7	0	0	0	0	0	0
1994	6	6	7	6	6	7	0	0	0	0	0	0
1995	9	7	7	6	6	7	0	0	0	0	0	0
1996	6	7	7	6	6	1	1	0	0	0	0	9
1997	6	7	7	6	6	7	0	0	0	0	0	0
1998	6	7	7	6	6	7	0	0	0	0	0	0
1999	9	7	7	6	6	7	0	0	0	0	0	0

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Correlation Coefficients

1	209	81	12	****	.78	****	****	.76	.68	.83	.78	.87	.94	.79	.71
2	159	4	0	****	****	****	****	****	****	****	.76	.77	.84	.68	****
3	178	16	0	****	****	****	****	****	****	.55	.76	.74	.50	.50	****

4	157	23	6	****	****	****	****	****	****	.64	.89	.91	.76	.67	.73
6	209	117	69	.80	.83	.85	.76	.81	****	****	.80	.77	.86	.60	****
7	209	99	51	****	.84	.88	****	.67	.76	****	.53	.77	.83	.72	.58
8	209	18	0	****	****	****	****	****	****	.49	.63	.71	.74	.49	****
9	209	142	13	.91											
10	159	22	0	.58											
11	178	58	0	.68											
12	157	36	0	.75											
14	209	151	0	.81											
15	209	151	0	.80											
16	209	151	0	.79											

Resultant sample size = 360.
 Predicted mean = 3.62
 Predicted std dev. = .357
 Average standard error of prediction = 25.2
 Number of variables with no predictors = 0.

Analysis for: Station number 9200 Variable 6

Population Size = 360.
 Population Mean = 2.87
 Population Std. Dev. = .489

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.87
 Predicted std dev. = .489
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 7
 Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 8900 Variable 8

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .310

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .310
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 41965.84 for 2250. predictions

NONPOWB7: Nonnatural Flow Sites - Clear Creek Model with Full Period Nonnatural Flow Sites

USGS # MOVE # # 1 # 2 Name

06306300	6300	9	18	Tongue River at State Line, Near Decker, MT
06320000	2000	7	16	Rock Creek Near Buffalo, WY
06320200	2020	8	17	Clear Creek Below Rock Creek, Near Buffalo, WY
06323000	2300	4	10	Piney Creek at Kearney, WY
SEO Gage	2310	5	14	Piney Creek Below Lake DeSmet Tunnel Intake, WY
06323500	2350	6	12	Piney Creek at Ucross, WY
06395000	9500	3	12	Cheyenne River at Edgemont, SD
06426500	4265	1	10	Belle Fourche River Below Moorcroft, WY
06430500	3050	2	11	Redwater Creek at Wyoming-South Dakota State Line

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 9 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 4265 Variable 1

```

Population Size = 360.
Population Mean = 1.85
Population Std. Dev. = 1.952

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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```

Resultant sample size = 360.
Predicted mean = 1.85
Predicted std dev. = 1.952
Average standard error of prediction = .0
Number of variables with no predictors = 0.

```

Analysis for: Station number 3050 Variable 2

```

Population Size = 360.

```

Population Mean = 3.34
 Population Std. Dev. = .159

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.34
 Predicted std dev. = .159
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9500 Variable 3

Population Size = 360.
 Population Mean = 3.13
 Population Std. Dev. = .733

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0

1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.13
 Predicted std dev. = .733
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 2300 Variable 4

Population Size = 351.
 Population Mean = 3.45
 Population Std. Dev. = .455

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0

1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	18	18	18	18	18	0	0	0	0	0	0
1999	0	0	18	18	18	18	0	0	0	0	0	0

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10	351	9	0	.37
11	351	9	0	.49
12	351	9	0	.51
18	351	9	9	.90

Resultant sample size = 360.
 Predicted mean = 3.45
 Predicted std dev. = .451
 Average standard error of prediction = 49.1
 Number of variables with no predictors = 0.

Analysis for: Station number 2310 Variable 5

Population Size = 181.
 Population Mean = 3.23
 Population Std. Dev. = .737

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	15	15	15	15	15	15	15	15	15	15	15	15
1971	15	15	15	15	15	15	15	15	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	15	15	15	15	15	15	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	18	18	18	18	18	18	18	15	0	0	0	0
1985	18	18	18	18	18	18	0	0	0	0	0	0
1986	18	18	18	18	18	18	0	0	0	0	0	0
1987	18	18	18	18	18	18	18	0	0	0	0	0
1988	18	18	18	18	18	18	18	0	0	0	0	0
1989	18	0	0	0	0	0	0	0	0	0	0	0
1990	18	18	18	18	18	18	18	0	0	0	0	15
1991	18	18	18	18	18	18	0	0	0	0	0	0
1992	18	18	18	18	18	18	0	0	0	0	0	0
1993	18	18	18	18	18	18	0	0	0	0	0	0
1994	18	18	18	18	18	18	0	0	0	0	0	0
1995	18	18	18	18	18	18	0	0	0	0	0	0
1996	18	18	18	18	18	18	18	0	0	0	0	0
1997	18	18	18	18	18	18	15	15	15	15	15	15
1998	18	18	18	18	18	18	15	15	15	15	15	18

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10 181 179 0 .25
 11 181 179 0 .21
 12 181 179 0 .32
 13 181 170 0 .62
 15 160 76 76 .72
 16 129 64 0 .61
 17 159 50 0 .58
 18 181 179 103 .66

Resultant sample size = 360.
 Predicted mean = 3.20
 Predicted std dev. = .665
 Average standard error of prediction = 196.5
 Number of variables with no predictors = 0.

Analysis for: Station number 2350 Variable 6

Population Size = 236.
 Population Mean = 3.62
 Population Std. Dev. = .449

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	18	18	18	18	18	18	16	16	0	0	0	0
1984	18	18	18	18	18	18	16	0	0	0	0	0
1985	18	18	18	18	18	18	16	0	0	0	0	0
1986	18	18	18	18	18	18	0	0	0	0	0	0
1987	18	18	18	18	18	18	16	0	0	0	0	0
1988	18	18	18	18	18	18	16	16	16	16	16	16
1989	18	18	18	18	18	18	16	0	0	0	0	0
1990	18	18	18	18	18	18	16	0	0	0	0	0
1991	18	18	18	18	18	18	16	0	0	0	0	0
1992	18	18	18	18	18	18	0	0	0	0	0	0
1993	18	18	18	18	18	18	0	0	0	0	0	0
1994	18	18	18	18	18	18	0	0	0	0	0	0
1995	18	18	18	18	18	18	0	0	0	0	0	0
1996	18	18	18	18	18	18	16	0	0	0	0	0
1997	18	18	18	18	18	18	0	0	0	0	0	0
1998	18	18	18	18	18	18	0	0	0	0	0	16
1999	18	18	18	18	18	18	16	16	16	16	16	16

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10 236 124 0 .25
11 236 124 0 .35
12 236 124 0 .38
13 236 115 0 .67
14 160 21 0 .72
16 171 22 22 .70
17 178 31 0 .68
18 236 124 102 .70

```

```

Resultant sample size = 360.
Predicted mean = 3.53
Predicted std dev. = .412
Average standard error of prediction = 83.1
Number of variables with no predictors = 0.

```

```

Analysis for: Station number 2000 Variable 7

Population Size = 193.
Population Mean = 3.40
Population Std. Dev. = .453

```

```

Number of the independent station used to predict the dependent station
year Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
1970 0 0 0 0 0 0 0 0 0 0 0 0
1971 0 0 0 0 0 0 0 0 0 0 0 0
1972 0 14 14 14 14 14 0 0 0 0 0 0
1973 14 14 14 14 14 14 0 0 0 0 0 0
1974 15 15 15 15 15 15 0 0 0 0 0 0
1975 15 15 15 15 15 15 0 0 0 0 0 0
1976 17 17 17 17 17 17 0 0 0 0 0 0
1977 17 17 17 17 17 17 0 0 0 0 0 0
1978 17 17 17 17 17 17 0 0 0 0 0 0
1979 17 17 17 17 17 17 0 0 0 0 0 0
1980 17 17 17 17 17 17 0 0 0 0 0 0
1981 17 17 17 17 17 17 0 0 0 0 0 0
1982 14 17 17 17 17 17 0 0 0 0 0 0
1983 17 17 17 17 17 17 0 0 0 0 0 0
1984 13 13 13 13 13 13 0 0 0 0 0 0
1985 13 13 13 13 13 13 0 0 0 0 0 0
1986 13 13 13 13 13 13 0 0 0 0 0 0
1987 13 13 13 13 13 13 0 0 0 0 0 0
1988 13 13 13 13 13 13 0 0 0 0 0 0
1989 13 17 17 17 17 17 0 0 0 0 0 0
1990 13 13 13 13 13 13 0 0 0 0 0 0
1991 13 13 13 13 13 13 0 0 0 0 0 0
1992 13 13 13 13 13 13 0 0 0 0 0 0
1993 13 13 13 13 13 13 0 0 0 0 0 0
1994 13 13 13 13 13 13 0 0 0 0 0 0
1995 13 13 13 13 13 13 0 0 0 0 0 0
1996 13 13 13 13 13 13 0 0 0 0 0 0
1997 13 13 13 13 13 13 0 0 0 0 0 0
1998 13 18 18 18 18 18 0 0 0 0 0 0
1999 13 13 18 18 18 18 0 0 0 0 0 0

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10 193 167 0 .19
 11 193 167 0 .33
 12 193 167 0 .35
 13 193 158 82 .68
 14 129 52 12 .61
 15 171 65 12 .70
 17 157 52 52 .75
 18 193 167 9 .66

Resultant sample size = 360.
 Predicted mean = 3.29
 Predicted std dev. = .365
 Average standard error of prediction = 81.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2020 Variable 8

Population Size = 209.
 Population Mean = 3.69
 Population Std. Dev. = .420

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	18	18	18	18	18	18	18	18	18	18	18	18
1971	18	18	18	18	18	18	18	18	0	0	0	0
1972	18	18	18	18	18	18	18	0	0	0	0	0
1973	18	18	18	18	18	18	18	0	0	0	0	18
1974	18	18	18	18	18	18	0	0	0	0	0	0
1975	18	18	18	18	18	18	18	18	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	18	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	18	18	18	18	18	18	0	0	0	0	0	0
1985	18	18	18	18	18	18	0	0	0	0	0	0
1986	18	18	18	18	18	18	18	18	18	18	18	18
1987	18	18	18	18	18	18	18	0	0	0	0	0
1988	18	18	18	18	18	18	0	0	0	0	0	0
1989	18	0	0	0	0	0	0	0	0	0	0	0
1990	18	18	18	18	18	18	0	0	0	0	0	18
1991	18	18	18	18	18	18	0	0	0	0	0	0
1992	18	18	18	18	18	18	0	0	0	0	0	0
1993	18	18	18	18	18	18	0	0	0	0	0	0
1994	18	18	18	18	18	18	0	0	0	0	0	0
1995	18	18	18	18	18	18	0	0	0	0	0	0
1996	18	18	18	18	18	18	18	0	0	0	0	18
1997	18	18	18	18	18	18	0	0	0	0	0	0
1998	18	18	18	18	18	18	0	0	0	0	0	0
1999	18	18	18	18	18	18	0	0	0	0	0	0

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10 209 151 0 .43
 11 209 151 0 .47
 12 209 151 0 .63
 13 209 142 0 .91
 14 159 22 0 .58

15 178 58 0 .68
 16 157 36 0 .75
 18 209 151 151 .92

Resultant sample size = 360.
 Predicted mean = 3.62
 Predicted std dev. = .367
 Average standard error of prediction = 38.8
 Number of variables with no predictors = 0.

Analysis for: Station number 6300 Variable 9

Population Size = 360.
 Population Mean = 4.28
 Population Std. Dev. = .340

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 4.28
 Predicted std dev. = .340
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 65366.59 for 2610. predictions

USGS MOVE.1 GROUPS
POWDER RIVER MODEL
NONNATURAL FLOW STATIONS

POWANON7.SUM
POWCNON7.SUM
NONPOWH7.SUM

POWANON7: Nonnatural Flow Sites - Powder River & Little Powder River Models without Stations 06312500 and 06313000

USGS #	MOVE #	# 1	# 2	Name
06309500	3095	1	12	Middle Fork Powder River Above Kaycee, WY
06311060	1106	2	13	North Fork Powder River Below Bull Creek, Near Hazelton, WY
06311400	1140	3	14	North Fork Powder River Below Pass Creek, Near Mayoworth, WY
06313500	1350	4	15	Powder River at Sussex, WY
SEO Gage	1641	7	18	Crazy Woman Creek at Trabing Bridge, WY
06316400	1640	5	16	Crazy Woman Creek at Upper Station, Near Arvada, WY
06317000	1700	6	17	Powder River at Arvada, WY
06324500	2450	8	19	Powder River at Moorhead, MT
06324890	2589	9	20	Little Powder River Below Corral Creek, Near Weston, WY
06324925	2492	10	21	Little Powder River Near Weston, WY
06324970	2497	11	22	Little Powder River Above Dry Creek, Near Weston, WY

also for **POWCNON7: noncyclic run**

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 11 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 3095 Variable 1

```

Population Size = 114.
Population Mean = 3.54
Population Std. Dev. = .268

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	8	8	19	6	19	19	19	8	19	8	19	19
1972	8	8	19	6	19	19	19	8	8	8	19	19
1973	6	17	11	6	17	17	17	6	17	6	17	17
1974	6	14	3	6	14	14	3	6	3	6	14	14
1975	8	8	3	6	19	19	2	8	3	6	19	19
1976	8	8	3	6	19	19	2	8	3	8	19	19
1977	8	8	11	6	19	19	2	8	3	8	19	19
1978	4	4	3	4	4	15	2	8	3	8	15	15
1979	4	4	3	4	4	15	2	8	3	8	15	15
1980	4	4	11	4	4	15	2	8	3	8	15	15
1981	4	4	3	4	4	15	2	8	3	8	15	15
1982	4	4	3	4	4	15	2	8	3	7	15	15
1983	4	4	3	6	4	15	2	8	3	7	15	15
1984	4	4	3	4	4	15	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	4	4	3	4	4	15	3	8	3	7	15	15
1994	4	4	3	4	4	15	3	8	3	7	15	19
1995	8	4	3	4	4	15	3	8	3	7	15	15
1996	4	4	3	6	4	15	3	8	3	7	19	15
1997	4	4	3	6	4	15	3	8	3	7	15	15
1998	4	4	3	4	4	15	3	8	3	7	15	15
1999	4	8	3	6	19	19	3	8	3	7	19	19

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Correlation Coefficients

2	102	27	9	****	****	****	****	****	****	.82	.85	.87	****	****	****
3	102	69	41	****	****	.80	****	****	****	.76	.81	.92	****	****	****
4	91	77	49	.93	.90	****	.95	.86	****	****	.95	****	.74	****	****
6	114	102	18	.83	****	****	.94	****	****	****	.91	.76	.78	****	****
7	52	27	9	.00	.00	.00	.00	.00	.00	****	.83	.68	.87	****	****
8	114	92	39	.90	.77	****	****	****	****	****	.96	.83	.79	****	****
11	102	93	3	.76	****	.73	.88	****	****	****	.71	.67	****	****	****
13	102	114	0	.51											
14	102	210	5	.68											
15	91	151	35	.75											
17	114	246	7	.69											
18	52	52	0	.65											

19 114 222 31 .74
 22 102 222 0 .52

Resultant sample size = 360.
 Predicted mean = 3.58
 Predicted std dev. = .304
 Average standard error of prediction = 24.0
 Number of variables with no predictors = 0.

Analysis for: Station number 1106 Variable 2
 Population Size = 216.
 Population Mean = 2.61
 Population Std. Dev. = .646

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	6	16	16	16	16	16	1	1	6	16	12	12
1971	6	19	19	19	19	19	19	8	6	19	19	19
1972	6	19	19	19	19	19	19	8	6	19	19	19
1973	6	17	17	17	17	17	17	6	6	17	17	17
1974	3	3	3	14	3	3	3	3	3	3	3	3
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	3	3	3	14	3	3	3	3	3	3	3	3
1994	3	3	3	14	3	3	3	3	3	3	3	3
1995	3	3	3	14	3	3	3	3	3	3	3	3
1996	3	3	3	14	3	3	3	3	3	3	3	3
1997	3	3	3	14	3	3	3	3	3	3	3	3
1998	3	3	3	14	3	3	3	3	3	3	3	3
1999	14	14	14	14	3	3	3	3	3	3	3	3

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Correlation Coefficients

1	102	3	2	****	****	****	****	****	****	.82	.85	.87	****	****	****
3	216	88	85	.74	.63	.66	****	.70	.55	.76	.91	.98	.84	.82	.90
4	169	12	0	****	****	****	****	****	****	****	.58	.88	****	****	****
6	216	36	9	.49	****	****	****	****	****	****	.58	.89	****	****	****
7	62	14	0	.00	.00	.00	.00	.00	.00	****	.74	.89	****	****	****
8	216	20	2	****	****	****	****	****	****	****	.62	.86	****	****	****
11	216	9	0	****	****	****	****	****	****	****	****	.51	****	****	****
12	102	12	2	.51											
14	216	96	11	.91											
16	48	12	6	.46											
17	216	144	9	.23											

18 62 42 0 .47
 19 216 120 18 .37

Resultant sample size = 360.
 Predicted mean = 2.66
 Predicted std dev. = .646
 Average standard error of prediction = 94.2
 Number of variables with no predictors = 0.

Analysis for: Station number 1140 Variable 3
 Population Size = 312.
 Population Mean = 3.25
 Population Std. Dev. = .259

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	8	6	1	12	6	12	1	8	6	8	12	6
1971	8	6	19	19	6	19	6	8	6	8	19	6
1972	8	6	19	19	6	19	8	8	6	8	19	6
1973	6	6	17	11	11	17	6	6	6	6	17	6
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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1	102	4	2	****	****	.80	****	****	****	.76	.81	.92	****	****	****
6	312	32	20	.47	.50	****	****	.52	****	.56	.75	.91	.41	****	.49
8	300	15	10	.55	****	****	****	****	****	.52	.80	.87	.65	****	****
11	312	3	2	****	****	****	.57	.54	****	****	****	.59	****	****	****
12	102	12	3	.68											
16	48	12	0	.63											
17	312	48	3	.42											
19	300	36	8	.55											
22	312	12	0	.22											

Resultant sample size = 360.
 Predicted mean = 3.25
 Predicted std dev. = .267
 Average standard error of prediction = 29.1
 Number of variables with no predictors = 0.

Analysis for: Station number 1350 Variable 4

Population Size = 242.
 Population Mean = 3.97
 Population Std. Dev. = .370

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	6	1	17	1	6	6	6	6	6	17	17	17
1971	6	6	17	6	6	6	6	6	6	17	17	6
1972	6	6	17	6	6	6	6	6	6	17	17	6
1973	6	6	11	11	6	6	6	6	6	17	17	17
1974	6	6	11	11	6	6	6	6	6	17	17	6
1975	6	6	11	11	6	6	6	6	6	17	17	6
1976	6	6	11	11	6	6	6	6	6	17	17	6
1977	6	6	11	11	6	6	6	6	6	17	17	6
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	1	11	1	6	6	6	6	6	17	17	6
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	11	11	11	6	6	6	6	6	17	17	6

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1	91	11	4	.93	.90	****	.95	.86	****	****	.95	****	.74	****	****
2	169	8	0	****	****	****	****	****	****	****	.58	.88	****	****	****
3	242	36	0	****	****	****	.58	.51	****	.51	.72	.87	.54	****	****
6	242	108	75	.96	.75	****	.65	.83	.84	.94	.99	.97	.90	.78	.94
7	92	10	0	.00	.00	.00	.00	.00	.00	.68	.86	.89	.72	****	.66
8	242	78	0	.87	****	****	.51	.62	.63	.81	.94	.91	.84	.83	.83
11	242	68	14	.78	.46	.63	.86	.58	.50	.63	.72	.56	.69	****	****
12	91	23	0	.75											
14	242	70	0	.33											
16	48	12	0	.78											
17	242	118	25	.92											
18	92	12	0	.77											
19	242	94	0	.84											
21	48	1	0	.67											
22	242	82	0	.63											

Resultant sample size = 360.
 Predicted mean = 3.97
 Predicted std dev. = .384
 Average standard error of prediction = 22.4
 Number of variables with no predictors = 0.

Analysis for: Station number 1640 Variable 5

Population Size = 60.
 Population Mean = 3.14
 Population Std. Dev. = .613

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	17	17	17	17	17	6	17	17	17	17	8	17
1972	17	17	17	17	17	6	17	17	17	17	8	17
1973	17	17	17	17	17	6	17	17	17	17	6	17
1974	17	17	17	17	17	6	17	17	17	17	6	17
1975	17	17	17	17	17	6	17	17	17	17	8	17
1976	17	17	17	17	17	6	17	17	17	17	8	17
1977	17	17	17	17	17	6	17	17	17	17	8	17
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	17	17	17	17	17	6	17	17	17	17	8	17
1983	17	17	17	17	17	6	17	17	17	17	8	17
1984	17	17	17	17	17	6	17	17	17	17	8	17
1985	17	17	17	17	17	6	17	17	17	17	8	17
1986	17	17	17	17	17	6	17	17	17	17	8	17
1987	17	17	17	17	17	6	17	17	17	17	8	17
1988	17	17	17	17	17	6	17	17	17	17	8	17
1989	17	17	17	17	17	6	17	17	17	17	8	17
1990	17	17	17	17	17	6	17	17	17	17	8	17
1991	17	17	17	17	17	6	17	17	17	17	8	17
1992	17	17	17	17	17	6	17	17	17	17	8	17
1993	17	17	17	17	17	6	17	17	17	17	8	17
1994	17	17	17	17	17	6	17	17	17	17	8	17
1995	17	17	17	17	17	6	17	17	17	17	8	17
1996	17	17	17	17	17	6	17	17	17	17	8	17
1997	17	17	17	17	17	6	17	17	17	17	8	17
1998	17	17	17	17	17	6	17	17	17	17	8	17
1999	17	17	17	17	17	6	17	17	17	17	8	17

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6	60	75	27	****	****	****	****	****	.92	****	****	****	****	.99	.95
8	60	46	23	****	****	****	****	****	****	****	****	****	****	1.00	.88
13	48	168	0	.46											
14	48	264	0	.63											
15	48	194	0	.78											
17	60	300	250	.90											
19	60	276	0	.82											
20	48	24	0	.65											
21	48	1	0	.61											
22	48	276	0	.59											

Resultant sample size = 360.

Predicted mean = 3.15
 Predicted std dev. = .551
 Average standard error of prediction = 62.8
 Number of variables with no predictors = 0.

Analysis for: Station number 1700 Variable 6

Population Size = 360.
 Population Mean = 4.02
 Population Std. Dev. = .459

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 4.02
 Predicted std dev. = .459
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1641 Variable 7

Population Size = 104.
 Population Mean = 3.34
 Population Std. Dev. = .599

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	19	19	19	19	19	8	8	6	8	19	8
1971	19	19	19	19	19	19	8	8	6	8	19	8
1972	19	19	19	19	19	19	8	8	6	8	8	8
1973	17	17	17	17	17	17	17	6	6	6	6	6
1974	17	17	17	17	17	17	17	6	6	17	6	6
1975	19	19	19	19	19	19	8	8	6	8	8	8
1976	19	19	19	19	19	19	8	8	6	8	8	8
1977	19	19	19	19	19	19	8	8	6	8	8	8
1978	19	19	19	19	19	19	8	8	6	8	8	8
1979	19	19	19	19	19	19	8	8	6	8	8	8
1980	19	19	19	19	19	19	8	8	6	8	8	8
1981	19	19	19	19	19	19	19	8	6	8	8	8
1982	19	19	19	19	19	19	19	0	0	0	0	0
1983	19	19	19	19	19	19	8	0	0	0	0	0
1984	19	19	19	19	19	19	0	0	0	0	0	0
1985	19	19	19	19	19	19	0	0	0	0	0	0
1986	19	19	19	19	19	19	0	0	0	0	0	0
1987	19	19	19	19	19	19	0	0	0	0	0	0
1988	19	19	19	19	19	19	8	0	0	0	0	0
1989	19	19	19	19	19	19	0	0	0	0	0	0
1990	19	19	19	19	19	19	0	0	0	0	0	8
1991	19	19	19	19	19	19	0	0	0	0	0	0
1992	19	19	19	19	19	19	0	0	0	0	0	0
1993	19	19	19	19	19	19	0	0	0	0	0	0
1994	19	19	19	19	19	19	0	0	0	0	0	0
1995	19	19	19	19	19	19	0	0	0	0	0	0
1996	19	19	19	19	19	19	0	0	0	0	0	0
1997	19	19	19	19	19	19	0	0	0	0	0	0
1998	19	19	19	19	19	19	0	0	0	0	0	0
1999	19	19	19	19	19	19	0	0	0	0	0	0

Correlation Coefficients												
Variable	Sam	dict	dict	ors	ors	ors	ors	ors	ors	ors	ors	ors
1	52	3	0	****	****	****	****	****	****	****	.83	.68 .87 ****
2	62	14	0	****	****	****	****	****	****	****	.74	.89 ****
3	104	33	0	****	****	****	****	****	****	****	.82	.90 .64 ****
4	92	24	0	****	****	****	****	****	****	****	.68	.86 .89 .72 ****
6	104	76	19	****	****	****	****	****	****	****	.73	.91 .95 .85 .73 .76
8	104	64	50	****	****	****	****	****	****	****	.85	.92 .92 .93 .79 .82
11	104	36	0	****	****	****	****	****	****	****	.49	.57 .57 .49 ****
12	52	62	0	.65								
13	62	154	0	.47								
14	104	208	0	.71								
15	92	150	0	.77								
17	104	256	15	.83								
19	104	232	172	.89								
22	104	220	0	.54								

Resultant sample size = 360.
 Predicted mean = 3.24
 Predicted std dev. = .496
 Average standard error of prediction = 68.7
 Number of variables with no predictors = 0.

Analysis for: Station number 2450 Variable 8
 Population Size = 336.
 Population Mean = 4.26
 Population Std. Dev. = .404

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	6	6	6	6	17	6	6	6	17	6	6	17
1974	6	6	17	6	17	6	6	6	17	17	6	17
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Correlation Coefficients

3	300	5	0	.55	****	****	****	****	****	.52	.80	.87	.65	****	****
6	336	24	16	.91	.63	.40	.59	.83	.84	.82	.95	.94	.92	.94	.91
11	300	20	0	.65	****	****	.48	.63	.69	.79	.58	.59	.55	.49	.41
14	300	12	0	.55											
17	336	24	8	.93											
22	300	24	0	.61											

Resultant sample size = 360.
 Predicted mean = 4.26
 Predicted std dev. = .405
 Average standard error of prediction = 29.9
 Number of variables with no predictors = 0.

Analysis for: Station number 2589 Variable 9

Population Size = 72.
 Population Mean = 1.04
 Population Std. Dev. = 1.544

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	6	17	17	6	6	6	8	6	17	6	17	17
1971	6	17	17	6	6	6	8	6	17	6	17	17
1972	6	17	17	6	6	6	8	6	17	6	17	17
1973	6	22	22	11	6	11	11	6	22	6	22	22

1974	6	22	22	3	6	11	11	6	22	22	22	3
1975	6	22	22	11	6	11	8	6	22	6	22	2
1976	6	3	22	11	6	11	8	6	22	6	22	2
1977	6	22	22	11	6	11	8	6	22	6	22	2
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	6	22	22	11	6	11	8	6	22	6	22	2
1985	6	22	22	11	6	11	8	6	22	22	22	2
1986	6	22	22	11	6	11	8	6	22	22	22	4
1987	6	22	22	11	6	11	8	6	22	6	22	2
1988	6	22	22	11	6	11	8	6	22	22	22	2
1989	6	22	22	11	6	11	8	6	22	22	22	2
1990	6	22	22	11	6	11	8	6	22	22	22	2
1991	6	22	22	11	6	11	8	6	22	6	22	2
1992	6	22	22	11	6	11	8	6	22	6	22	2
1993	6	22	22	11	6	11	8	6	22	6	22	4
1994	6	22	22	11	6	11	8	6	22	6	22	3
1995	6	22	22	11	6	11	8	6	22	6	22	4
1996	6	22	22	11	6	11	8	6	22	22	22	3
1997	6	22	22	3	6	11	8	6	22	6	22	4
1998	6	22	22	11	6	11	8	6	22	6	22	4
1999	6	22	22	11	6	11	8	6	22	6	22	3

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Correlation Coefficients

2	72	12	11	****	****	****	****	****	****	****	****	****	****	****	****	.92
3	72	80	7	****	.91	****	.86	****	****	****	.83	****	****	****	****	.87
4	72	72	5	.84	****	****	****	.81	****	.85	.91	****	****	****	****	.88
6	72	168	95	.97	****	****	.83	.97	.90	.90	.91	****	.92	****	****	****
8	72	88	22	****	****	****	****	.87	.88	.99	.82	****	****	****	****	****
11	72	126	42	****	****	.83	.88	.89	.95	.91	****	****	.87	****	****	****
14	72	240	0	.23												
15	72	170	0	.69												
16	48	12	0	.65												
17	72	288	15	.71												
19	72	264	0	.53												
21	48	1	0	.72												
22	72	252	91	.82												

Resultant sample size = 360.
 Predicted mean = .98
 Predicted std dev. = 1.697
 Average standard error of prediction = 564.2
 Number of variables with no predictors = 0.

Analysis for: Station number 2492 Variable 10

Population Size = 49.
 Population Mean = 1.90
 Population Std. Dev. = 1.249

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	22	22	22	22	22	22	22	22	22	22	22	22

1974	22	22	22	22	22	22	22	22	22	22	22	22
1975	22	22	22	22	22	22	22	22	22	22	22	22
1976	22	22	22	22	22	22	22	22	22	22	22	22
1977	22	22	22	22	22	22	22	22	22	22	22	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	22	22	22	22	22	22	22	22	22	22	22	22
1983	22	22	22	22	22	22	22	22	22	22	22	22
1984	22	22	22	22	22	22	22	22	22	22	22	22
1985	22	22	22	22	22	22	22	22	22	22	22	22
1986	22	22	22	22	22	22	22	22	22	22	22	22
1987	22	22	22	22	22	22	22	22	22	22	22	22
1988	22	22	22	22	22	22	22	22	22	22	22	22
1989	22	22	22	22	22	22	22	22	22	22	22	22
1990	22	22	22	22	22	22	22	22	22	22	22	22
1991	22	22	22	22	22	22	22	22	22	22	22	22
1992	22	22	22	22	22	22	22	22	22	22	22	22
1993	22	22	22	22	22	22	22	22	22	22	22	22
1994	22	22	22	22	22	22	22	22	22	22	22	22
1995	22	22	22	22	22	22	22	22	22	22	22	22
1996	22	22	22	22	22	22	22	22	22	22	22	22
1997	22	22	22	22	22	22	22	22	22	22	22	22
1998	22	22	22	22	22	22	22	22	22	22	22	22
1999	22	22	22	22	22	22	22	22	22	22	22	22

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3	49	21	0	****	****	****	****	****	****	****	****	****	****	****	****	.92
13	49	167	0	.29												
14	49	263	0	.34												
15	48	194	0	.67												
16	48	12	0	.61												
17	49	311	36	.65												
19	49	287	0	.54												
20	48	24	0	.72												
22	49	275	275	.90												

Resultant sample size = 360.
 Predicted mean = 1.98
 Predicted std dev. = 1.312
 Average standard error of prediction = 337.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2497 Variable 11

Population Size = 324.
 Population Mean = 2.32
 Population Std. Dev. = 1.085

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	6	1	1	6	6	8	6	6	8	17	17
1971	17	6	6	6	6	6	8	6	6	8	17	17
1972	17	6	6	6	6	6	8	6	6	8	17	17
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0

1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0

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1	102	5	2	.76	****	.73	.88	****	****	****	.71	.67	****	****	****
6	324	36	19	.72	.45	.43	.68	.73	.71	.69	.66	.64	.52	.51	.47
8	300	30	6	.65	****	****	.48	.63	.69	.79	.58	.59	.55	.49	.41
12	102	12	0	.52											
16	48	12	0	.59											
17	324	36	9	.67											
19	300	36	0	.61											

Resultant sample size = 360.
 Predicted mean = 2.30
 Predicted std dev. = 1.131
 Average standard error of prediction = 287.8
 Number of variables with no predictors = 0.

The total predicted error was 338553.80 for 2189. predictions


```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 11 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 3095 Variable 1

```

Population Size = 114.
Population Mean = 3.54
Population Std. Dev. = .268

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	19	19	19	19	19	19	19	19	19	19	19	19
1972	19	19	19	19	19	19	19	19	19	19	19	19
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	14	14	14	14	14	14	14	14	14	14	14	14
1975	19	19	19	19	19	19	19	19	19	19	19	19
1976	19	19	19	19	19	19	19	19	19	19	19	19
1977	19	19	19	19	19	19	19	19	19	19	19	19
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	15	15	15	15	15	15	15	15	15	15	15	15
1984	15	15	15	15	15	15	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	15	15	15	15	15	15	15	15	15	15	15	15
1994	15	15	15	15	15	15	15	15	15	15	15	19
1995	15	15	15	15	15	15	15	15	15	15	15	15
1996	15	15	15	15	15	15	15	15	15	15	19	15
1997	15	15	15	15	15	15	15	15	15	15	15	15
1998	15	15	15	15	15	15	15	15	15	15	15	15
1999	15	19	19	19	19	19	19	19	19	19	19	19

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13	102	114	0	.51
14	102	210	12	.68
15	91	151	149	.75
17	114	246	12	.69
18	52	52	0	.65
19	114	222	73	.74
22	102	222	0	.52

Resultant sample size = 360.
 Predicted mean = 3.59
 Predicted std dev. = .276
 Average standard error of prediction = 43.2
 Number of variables with no predictors = 0.

Analysis for: Station number 1106 Variable 2

Population Size = 216.
 Population Mean = 2.61
 Population Std. Dev. = .646

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	12	12
1971	19	19	19	19	19	19	19	19	19	19	19	19
1972	19	19	19	19	19	19	19	19	19	19	19	19
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	14	14	14	14	14	14	14	14	14	14	14	14
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	14	14	14	14	14	14	14	14	14	14	14	14
1994	14	14	14	14	14	14	14	14	14	14	14	14
1995	14	14	14	14	14	14	14	14	14	14	14	14
1996	14	14	14	14	14	14	14	14	14	14	14	14
1997	14	14	14	14	14	14	14	14	14	14	14	14
1998	14	14	14	14	14	14	14	14	14	14	14	14
1999	14	14	14	14	14	14	14	14	14	14	14	14

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12	102	12	2	.51
14	216	96	96	.91
16	48	12	10	.46
17	216	144	12	.23
18	62	42	0	.47
19	216	120	24	.37

Resultant sample size = 360.
 Predicted mean = 2.65

Predicted std dev. = .670
 Average standard error of prediction = 128.3
 Number of variables with no predictors = 0.

Analysis for: Station number 1140 Variable 3

Population Size = 312.
 Population Mean = 3.25
 Population Std. Dev. = .259

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	12	12	12	12	12	12	12	12	12	12	12	12
1971	19	19	19	19	19	19	19	19	19	19	19	19
1972	19	19	19	19	19	19	19	19	19	19	19	19
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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12	102	12	12	.68
16	48	12	0	.63
17	312	48	12	.42
19	300	36	24	.55
22	312	12	0	.22

Resultant sample size = 360.
 Predicted mean = 3.25
 Predicted std dev. = .267
 Average standard error of prediction = 52.8
 Number of variables with no predictors = 0.

Analysis for: Station number 1350 Variable 4

Population Size = 242.
 Population Mean = 3.97
 Population Std. Dev. = .370

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	17	17	17	17	17	17	17	17	17	17	17	17
1975	17	17	17	17	17	17	17	17	17	17	17	17
1976	17	17	17	17	17	17	17	17	17	17	17	17
1977	17	17	17	17	17	17	17	17	17	17	17	17
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	17	17	17	17	17	17	17	17	17	17	17
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	17	17	17	17	17	17	17	17	17	17	17

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12	91	23	0	.75
14	242	70	0	.33
16	48	12	0	.78
17	242	118	118	.92
18	92	12	0	.77
19	242	94	0	.84
21	48	1	0	.67
22	242	82	0	.63

Resultant sample size = 360.
 Predicted mean = 3.97
 Predicted std dev. = .383
 Average standard error of prediction = 34.7
 Number of variables with no predictors = 0.

Analysis for: Station number 1640 Variable 5

Population Size = 60.
 Population Mean = 3.14
 Population Std. Dev. = .613

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	17	17	17	17	17	17	17	17	17	17	17	17
1975	17	17	17	17	17	17	17	17	17	17	17	17
1976	17	17	17	17	17	17	17	17	17	17	17	17
1977	17	17	17	17	17	17	17	17	17	17	17	17
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	17	17	17	17	17	17	17	17	17	17	17	17
1983	17	17	17	17	17	17	17	17	17	17	17	17
1984	17	17	17	17	17	17	17	17	17	17	17	17
1985	17	17	17	17	17	17	17	17	17	17	17	17
1986	17	17	17	17	17	17	17	17	17	17	17	17
1987	17	17	17	17	17	17	17	17	17	17	17	17
1988	17	17	17	17	17	17	17	17	17	17	17	17
1989	17	17	17	17	17	17	17	17	17	17	17	17
1990	17	17	17	17	17	17	17	17	17	17	17	17
1991	17	17	17	17	17	17	17	17	17	17	17	17
1992	17	17	17	17	17	17	17	17	17	17	17	17
1993	17	17	17	17	17	17	17	17	17	17	17	17
1994	17	17	17	17	17	17	17	17	17	17	17	17
1995	17	17	17	17	17	17	17	17	17	17	17	17
1996	17	17	17	17	17	17	17	17	17	17	17	17
1997	17	17	17	17	17	17	17	17	17	17	17	17
1998	17	17	17	17	17	17	17	17	17	17	17	17
1999	17	17	17	17	17	17	17	17	17	17	17	17

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13	48	168	0	.46
14	48	264	0	.63
15	48	194	0	.78
17	60	300	300	.90
19	60	276	0	.82
20	48	24	0	.65
21	48	1	0	.61
22	48	276	0	.59

Resultant sample size = 360.
 Predicted mean = 3.16
 Predicted std dev. = .566
 Average standard error of prediction = 69.3
 Number of variables with no predictors = 0.

Analysis for: Station number 1700 Variable 6

Population Size = 360.
 Population Mean = 4.02
 Population Std. Dev. = .459

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 4.02
 Predicted std dev. = .459
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1641 Variable 7
 Population Size = 104.
 Population Mean = 3.34
 Population Std. Dev. = .599

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	19	19	19	19	19	19	19	19	19	19	19

1971	19	19	19	19	19	19	19	19	19	19	19	19
1972	19	19	19	19	19	19	19	19	19	19	19	19
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	17	17	17	17	17	17	17	17	17	17	17	17
1975	19	19	19	19	19	19	19	19	19	19	19	19
1976	19	19	19	19	19	19	19	19	19	19	19	19
1977	19	19	19	19	19	19	19	19	19	19	19	19
1978	19	19	19	19	19	19	19	19	19	19	19	19
1979	19	19	19	19	19	19	19	19	19	19	19	19
1980	19	19	19	19	19	19	19	19	19	19	19	19
1981	19	19	19	19	19	19	19	19	19	19	19	19
1982	19	19	19	19	19	19	19	0	0	0	0	0
1983	19	19	19	19	19	19	19	0	0	0	0	0
1984	19	19	19	19	19	19	0	0	0	0	0	0
1985	19	19	19	19	19	19	0	0	0	0	0	0
1986	19	19	19	19	19	19	0	0	0	0	0	0
1987	19	19	19	19	19	19	0	0	0	0	0	0
1988	19	19	19	19	19	19	19	0	0	0	0	0
1989	19	19	19	19	19	19	0	0	0	0	0	0
1990	19	19	19	19	19	19	0	0	0	0	0	19
1991	19	19	19	19	19	19	0	0	0	0	0	0
1992	19	19	19	19	19	19	0	0	0	0	0	0
1993	19	19	19	19	19	19	0	0	0	0	0	0
1994	19	19	19	19	19	19	0	0	0	0	0	0
1995	19	19	19	19	19	19	0	0	0	0	0	0
1996	19	19	19	19	19	19	0	0	0	0	0	0
1997	19	19	19	19	19	19	0	0	0	0	0	0
1998	19	19	19	19	19	19	0	0	0	0	0	0
1999	19	19	19	19	19	19	0	0	0	0	0	0

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12	52	62	0	.65
13	62	154	0	.47
14	104	208	0	.71
15	92	150	0	.77
17	104	256	24	.83
19	104	232	232	.89
22	104	220	0	.54

Resultant sample size = 360.
 Predicted mean = 3.24
 Predicted std dev. = .498
 Average standard error of prediction = 72.0
 Number of variables with no predictors = 0.

Analysis for: Station number 2450 Variable 8
 Population Size = 336.
 Population Mean = 4.26
 Population Std. Dev. = .404

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0

1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	17	17	17	17	17	17	17	17	17	17	17	17
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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14	300	12	0	.55
17	336	24	24	.93
22	300	24	0	.61

Resultant sample size = 360.
 Predicted mean = 4.26
 Predicted std dev. = .405
 Average standard error of prediction = 34.4
 Number of variables with no predictors = 0.

Analysis for: Station number 2589 Variable 9

Population Size = 72.
 Population Mean = 1.04
 Population Std. Dev. = 1.544

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	22	22	22	22	22	22	22	22	22	22	22	22
1974	22	22	22	22	22	22	22	22	22	22	22	22
1975	22	22	22	22	22	22	22	22	22	22	22	22
1976	22	22	22	22	22	22	22	22	22	22	22	22
1977	22	22	22	22	22	22	22	22	22	22	22	22
1978	0	0	0	0	0	0	0	0	0	0	0	0

1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	22	22	22	22	22	22	22	22	22	22	22	22
1985	22	22	22	22	22	22	22	22	22	22	22	22
1986	22	22	22	22	22	22	22	22	22	22	22	22
1987	22	22	22	22	22	22	22	22	22	22	22	22
1988	22	22	22	22	22	22	22	22	22	22	22	22
1989	22	22	22	22	22	22	22	22	22	22	22	22
1990	22	22	22	22	22	22	22	22	22	22	22	22
1991	22	22	22	22	22	22	22	22	22	22	22	22
1992	22	22	22	22	22	22	22	22	22	22	22	22
1993	22	22	22	22	22	22	22	22	22	22	22	22
1994	22	22	22	22	22	22	22	22	22	22	22	22
1995	22	22	22	22	22	22	22	22	22	22	22	22
1996	22	22	22	22	22	22	22	22	22	22	22	22
1997	22	22	22	22	22	22	22	22	22	22	22	22
1998	22	22	22	22	22	22	22	22	22	22	22	22
1999	22	22	22	22	22	22	22	22	22	22	22	22

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14	72	240	0	.23
15	72	170	0	.69
16	48	12	0	.65
17	72	288	36	.71
19	72	264	0	.53
21	48	1	0	.72
22	72	252	252	.82

Resultant sample size = 360.
 Predicted mean = 1.04
 Predicted std dev. = 1.607
 Average standard error of prediction = 1130.5
 Number of variables with no predictors = 0.

Analysis for: Station number 2492 Variable 10

Population Size = 49.
 Population Mean = 1.90
 Population Std. Dev. = 1.249

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	22	22	22	22	22	22	22	22	22	22	22	22
1974	22	22	22	22	22	22	22	22	22	22	22	22
1975	22	22	22	22	22	22	22	22	22	22	22	22
1976	22	22	22	22	22	22	22	22	22	22	22	22
1977	22	22	22	22	22	22	22	22	22	22	22	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0

1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	22	22	22	22	22	22	22	22	22	22	22	22
1983	22	22	22	22	22	22	22	22	22	22	22	22
1984	22	22	22	22	22	22	22	22	22	22	22	22
1985	22	22	22	22	22	22	22	22	22	22	22	22
1986	22	22	22	22	22	22	22	22	22	22	22	22
1987	22	22	22	22	22	22	22	22	22	22	22	22
1988	22	22	22	22	22	22	22	22	22	22	22	22
1989	22	22	22	22	22	22	22	22	22	22	22	22
1990	22	22	22	22	22	22	22	22	22	22	22	22
1991	22	22	22	22	22	22	22	22	22	22	22	22
1992	22	22	22	22	22	22	22	22	22	22	22	22
1993	22	22	22	22	22	22	22	22	22	22	22	22
1994	22	22	22	22	22	22	22	22	22	22	22	22
1995	22	22	22	22	22	22	22	22	22	22	22	22
1996	22	22	22	22	22	22	22	22	22	22	22	22
1997	22	22	22	22	22	22	22	22	22	22	22	22
1998	22	22	22	22	22	22	22	22	22	22	22	22
1999	22	22	22	22	22	22	22	22	22	22	22	22

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13	49	167	0	.29
14	49	263	0	.34
15	48	194	0	.67
16	48	12	0	.61
17	49	311	36	.65
19	49	287	0	.54
20	48	24	0	.72
22	49	275	275	.90

Resultant sample size = 360.
 Predicted mean = 1.98
 Predicted std dev. = 1.312
 Average standard error of prediction = 337.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2497 Variable 11

Population Size = 324.
 Population Mean = 2.32
 Population Std. Dev. = 1.085

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0

1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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12	102	12	0	.52	
16	48	12	0	.59	
17	324	36	36	.67	
19	300	36	0	.61	

Resultant sample size = 360.
 Predicted mean = 2.30
 Predicted std dev. = 1.135
 Average standard error of prediction = 566.1
 Number of variables with no predictors = 0.

The total predicted error was 526806.60 for 2189. predictions

NONPOWH7: Nonnatural Flow Sites - Powder River Model with Full Period Natural Flow Sites

USGS # MOVE # # 1 # 2 Name

06289000	8900	9	18	Little Bighorn River at State Line, Near Wyola, MT
06298000	9800	8	17	Tongue River Near Dayton, WY
06309200	9200	6	15	Middle Fork Powder River Near Barnum, WY
06309500	3095	1	10	Middle Fork Powder River Above Kaycee, WY
06311000	1100	7	16	North Fork Powder River Near Hazelton, WY
06311060	1106	2	11	North Fork Powder River Below Bull Creek, Near Hazelton, WY
06311400	1140	3	12	North Fork Powder River Below Pass Creek, Near Mayoworth, WY
SEO Gage	1641	4	13	Crazy Woman Creek at Trabing Bridge, WY
06321000	2100	5	14	South Piney Creek Near Story, WY

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 2 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 9 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 3095 Variable 1

```

Population Size = 114.
Population Mean = 3.54
Population Std. Dev. = .268

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	15	15	15	15	15	15	15	15	15	15	15	15
1972	15	15	15	15	15	15	15	15	15	15	15	15
1973	15	15	15	15	15	15	15	15	15	15	15	15
1974	15	15	15	15	15	15	15	15	15	15	15	15
1975	15	15	15	15	15	15	15	15	15	15	15	15
1976	15	15	15	15	15	15	15	15	15	15	15	15
1977	15	15	15	15	15	15	15	15	15	15	15	15
1978	15	15	15	15	15	15	15	15	15	15	15	15
1979	15	15	15	15	15	15	15	15	15	15	15	15
1980	15	15	15	15	15	15	15	15	15	15	15	15
1981	15	15	15	15	15	15	15	15	15	15	15	15
1982	15	15	15	15	15	15	15	15	15	15	15	15
1983	15	15	15	15	15	15	15	15	15	15	15	15
1984	15	15	15	15	15	15	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	15	15	15	15	15	15	15	15	15	15	15	15
1994	15	15	15	15	15	15	15	15	15	15	15	15
1995	15	15	15	15	15	15	15	15	15	15	15	15
1996	15	15	15	15	15	15	15	15	15	15	15	15
1997	15	15	15	15	15	15	15	15	15	15	15	15
1998	15	15	15	15	15	15	15	15	15	15	15	15
1999	15	15	15	15	15	15	15	15	15	15	15	15

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```

11	102	114	0	.51
12	102	210	0	.68
13	52	52	0	.65
14	12	99	0	.70
15	114	246	246	.94
16	114	246	0	.79
17	114	246	0	.79
18	114	246	0	.77

```

Resultant sample size = 360.
Predicted mean = 3.55

```

Predicted std dev. = .268
 Average standard error of prediction = 21.5
 Number of variables with no predictors = 0.

Analysis for: Station number 1106 Variable 2

Population Size = 216.
 Population Mean = 2.61
 Population Std. Dev. = .646

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	14	14	14	14	14	14	14	14	14	14	14	14
1971	14	14	14	14	14	14	14	14	14	14	14	14
1972	14	17	17	17	17	17	17	14	14	14	14	14
1973	17	17	17	17	17	17	17	17	14	14	14	14
1974	12	12	12	12	12	12	12	12	12	12	12	12
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	12	12	12	12	12	12	12	12	12	12	12	12
1994	12	12	12	12	12	12	12	12	12	12	12	12
1995	12	12	12	12	12	12	12	12	12	12	12	12
1996	12	12	12	12	12	12	12	12	12	12	12	12
1997	12	12	12	12	12	12	12	12	12	12	12	12
1998	12	12	12	12	12	12	12	12	12	12	12	12
1999	12	12	12	12	12	12	12	12	12	12	12	12

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10	102	12	0	.51
12	216	96	96	.91
13	62	42	0	.47
14	71	40	34	.87
15	216	144	0	.70
16	216	144	0	.85
17	216	144	14	.86
18	216	144	0	.84

Resultant sample size = 360.
 Predicted mean = 2.66
 Predicted std dev. = .661
 Average standard error of prediction = 73.6
 Number of variables with no predictors = 0.

Analysis for: Station number 1140 Variable 3

Population Size = 312.
 Population Mean = 3.25
 Population Std. Dev. = .259

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	17	17	17	17	17	17	17	17	17	17	17	17
1971	17	17	17	17	17	17	17	17	17	17	17	17
1972	17	17	17	17	17	17	17	17	17	17	17	17
1973	17	17	17	17	17	17	17	17	17	17	17	17
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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10	102	12	0	.68
14	77	34	0	.79
15	312	48	0	.82
16	312	48	0	.92
17	312	48	48	.93
18	312	48	0	.92

Resultant sample size = 360.
 Predicted mean = 3.25
 Predicted std dev. = .261
 Average standard error of prediction = 22.9
 Number of variables with no predictors = 0.

Analysis for: Station number 1641 Variable 4

Population Size = 104.
 Population Mean = 3.34
 Population Std. Dev. = .599

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	16	16	16	16	16	16	16	16	16	16	16	16
1971	16	16	16	16	16	16	16	16	16	16	16	16
1972	16	16	16	16	16	16	16	16	16	16	16	16
1973	16	16	16	16	16	16	16	16	16	16	16	16
1974	12	12	12	12	12	12	12	12	12	12	12	12
1975	12	12	12	12	12	12	12	12	12	12	12	12
1976	12	12	12	12	12	12	12	12	12	12	12	12
1977	12	12	12	12	12	12	12	12	12	12	12	12
1978	12	12	12	12	12	12	16	16	16	12	12	12
1979	12	12	12	12	12	12	12	12	12	12	12	12
1980	12	12	12	12	12	12	12	12	12	12	12	12
1981	12	12	12	12	12	12	12	12	12	12	12	12
1982	12	12	12	12	12	12	12	0	0	0	0	0
1983	12	12	12	12	12	12	12	0	0	0	0	0
1984	12	12	12	12	12	12	0	0	0	0	0	0
1985	12	12	12	12	12	12	0	0	0	0	0	0
1986	12	12	12	12	12	12	0	0	0	0	0	0
1987	12	12	12	12	12	12	0	0	0	0	0	0
1988	12	12	12	12	12	12	12	0	0	0	0	0
1989	12	12	12	12	12	12	0	0	0	0	0	0
1990	12	12	12	12	12	12	0	0	0	0	0	12
1991	12	12	12	12	12	12	0	0	0	0	0	0
1992	12	12	12	12	12	12	0	0	0	0	0	0
1993	12	12	12	12	12	12	0	0	0	0	0	0
1994	12	12	12	12	12	12	0	0	0	0	0	0
1995	12	12	12	12	12	12	0	0	0	0	0	0
1996	12	12	12	12	12	12	0	0	0	0	0	0
1997	12	12	12	12	12	12	0	0	0	0	0	0
1998	12	12	12	12	12	12	0	0	0	0	0	0
1999	12	12	12	12	12	12	0	0	0	0	0	0

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10	52	62	0	.65
11	62	154	0	.47
12	104	208	205	.71
15	104	256	0	.69
16	104	256	51	.70
17	104	256	0	.67
18	104	256	0	.67

Resultant sample size = 360.
 Predicted mean = 2.79
 Predicted std dev. = .653
 Average standard error of prediction = 129.8
 Number of variables with no predictors = 0.

Analysis for: Station number 2100 Variable 5

Population Size = 111.
 Population Mean = 3.53
 Population Std. Dev. = .463

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	18	18	18	18	18	18	0	0	0	0	0
1973	18	18	18	18	18	18	18	18	0	0	0	0

1974	18	18	18	18	18	18	0	0	0	0	0	0
1975	11	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	11	11	11	11	11	11	11	11	11	11	11	11
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	11	11	11	11	11	11	11	11	11	11	11	11
1985	11	11	11	11	11	11	11	11	11	11	11	11
1986	11	11	11	11	11	11	11	11	11	11	11	11
1987	11	11	11	11	11	11	11	11	11	11	11	11
1988	11	11	11	11	11	11	11	11	11	11	11	11
1989	11	11	11	11	11	11	11	11	11	11	11	11
1990	11	11	11	11	11	11	11	11	11	11	11	11
1991	11	11	11	11	11	11	11	11	11	11	11	11
1992	11	11	11	11	11	11	11	11	11	11	11	11
1993	18	18	18	18	18	18	18	18	18	18	18	18
1994	18	18	18	18	18	18	18	18	18	18	18	18
1995	18	18	18	18	18	18	18	18	18	18	18	18
1996	18	18	18	18	18	18	18	18	18	18	18	18
1997	18	18	18	18	18	18	18	18	18	18	18	18
1998	18	18	18	18	18	18	18	18	18	18	18	18
1999	18	18	18	18	18	18	18	18	18	18	18	18

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10	12	102	0	.70
11	71	145	145	.87
12	77	235	0	.79
15	111	249	0	.58
16	111	249	0	.81
17	111	249	0	.84
18	111	249	104	.85

Resultant sample size = 360.
 Predicted mean = 3.44
 Predicted std dev. = .469
 Average standard error of prediction = 57.3
 Number of variables with no predictors = 0.

Analysis for: Station number 9200 Variable 6
 Population Size = 360.
 Population Mean = 2.87
 Population Std. Dev. = .489

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0

1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.87
 Predicted std dev. = .489
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 1100 Variable 7

Population Size = 360.
 Population Mean = 2.60
 Population Std. Dev. = .524

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0

1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 2.60
 Predicted std dev. = .524
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 9800 Variable 8

 Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .386

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .386
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 8900 Variable 9

Population Size = 360.
 Population Mean = 3.83
 Population Std. Dev. = .310

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.83
 Predicted std dev. = .310
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 64463.19 for 2297. predictions

USGS MOVE.1 GROUPS
LITTLE POWDER RIVER MODEL
NONNATURAL FLOW STATIONS

BELBNON7.SUM

BELBNON7: Nonnatural Flow Sites - Belle Fourche River & Little Powder River Models

USGS # MOVE # # 1 # 2 Name

06324890	2589	1	11	Little Powder River Below Corral Creek, Near Weston, WY
06324925	2492	2	12	Little Powder River Near Weston, WY
06324970	2497	3	13	Little Powder River Above Dry Creek, Near Weston, WY
06425720	2572	4	14	Belle Fourche River Below Rattlesnake Creek, Near Piney, WY
06425780	2578	5	15	Belle Fourche River Above Dry Creek, Near Piney, WY
06425900	2590	6	16	Caballo Creek at Mouth, Near Piney, WY
06426100	2610	7	17	Stonepile Creek at Gillette, WY
06426400	2640	8	18	Donkey Creek Near Moorcroft, WY
06426500	4265	9	19	Belle Fourche River Below Moorcroft, WY
06430500	3050	10	20	Redwater Creek at Wyoming-South Dakota State Line

```

imode = 2 [1=linear regression,2=MOVE.1,3=MOVE.2,4=RPN]
method = 3 [1=cyclic,2=noncyclic,3=variable]
numb = 0 [0=use all sites as independent variables,1-50=indicated site]
ibeg = 1
iend = 10 [index of first and last dependent variable]
iout = 1 [1=show table of independent variables,0=no table]
istrt = 1970 [first year of extended record] ,
anogo = 5. [minimum number of concurrent values needed]

```

Analysis for: Station number 2589 Variable 1

```

Population Size = 72.
Population Mean = 1.04
Population Std. Dev. = 1.544

```

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	10	19	9	19	10	10	9	9	19	19	19
1971	19	10	19	9	19	10	10	9	9	19	19	19
1972	19	10	19	9	19	10	10	9	9	19	19	19
1973	13	13	13	3	3	10	3	9	9	13	13	13
1974	13	13	13	9	3	10	3	9	13	13	13	13
1975	13	10	13	3	3	10	10	9	9	13	13	13
1976	13	10	4	3	3	10	10	4	4	13	13	13
1977	13	10	4	3	3	10	10	4	4	13	13	13
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	13	10	13	3	3	10	10	9	9	13	13	13
1985	13	10	13	3	3	10	10	9	13	13	13	13
1986	13	13	13	9	3	10	10	9	9	13	13	13
1987	13	10	13	9	3	10	10	9	9	13	13	13
1988	13	10	13	3	3	10	10	9	13	13	13	13
1989	13	10	13	3	3	10	10	9	13	13	13	13
1990	13	10	13	3	3	3	10	9	13	13	13	13
1991	13	10	13	3	3	10	10	9	9	13	13	13
1992	13	13	13	9	3	10	10	9	9	13	13	13
1993	13	13	13	3	3	3	3	9	9	13	13	13
1994	13	13	13	3	3	10	10	9	9	13	13	13
1995	13	10	13	3	3	10	10	9	9	13	13	13
1996	13	10	13	3	3	3	10	9	9	13	13	13
1997	13	10	13	3	13	10	10	9	9	13	13	13
1998	13	10	13	3	3	10	10	9	9	13	13	13
1999	13	13	13	3	3	10	3	9	9	13	13	13

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3	72	126	44	****	****	.83	.88	.89	.95	.91	****	****	.87	****	****
4	67	8	6	****	****	.91	****	****	****	****	.91	.90	.90	****	****
9	72	144	46	****	****	.83	.88	****	.83	.85	.85	.82	****	****	****
10	72	72	58	****	.94	****	****	****	.96	.91	****	****	****	****	****
12	48	1	0	.72											
13	72	252	116	.82											
14	67	24	0	.75											
15	72	24	0	.63											

16 72 1 0 .55
 18 48 1 0 .74
 19 72 288 18 .71
 20 72 288 0 .48

Resultant sample size = 360.
 Predicted mean = .96
 Predicted std dev. = 1.958
 Average standard error of prediction = 850.0
 Number of variables with no predictors = 0.

Analysis for: Station number 2492 Variable 2

Population Size = 49.
 Population Mean = 1.90
 Population Std. Dev. = 1.249

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	19	19	19	19	19	19	19	19	19	19	19
1971	19	19	19	19	19	19	19	19	19	19	19	19
1972	19	19	19	19	19	19	19	19	19	19	19	19
1973	13	13	13	13	13	13	13	13	13	13	13	13
1974	13	13	13	13	13	13	13	13	13	13	13	13
1975	13	13	13	13	13	13	13	13	13	13	13	13
1976	13	13	13	13	13	13	13	13	13	13	13	13
1977	13	13	13	13	13	13	13	13	13	13	13	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	13	13	13	13	13	13	13	13	13	13	13	13
1983	13	13	13	13	13	13	13	13	13	13	13	13
1984	13	13	13	13	13	13	13	13	13	13	13	13
1985	13	13	13	13	13	13	13	13	13	13	13	13
1986	13	13	13	13	13	13	13	13	13	13	13	13
1987	13	13	13	13	13	13	13	13	13	13	13	13
1988	13	13	13	13	13	13	13	13	13	13	13	13
1989	13	13	13	13	13	13	13	13	13	13	13	13
1990	13	13	13	13	13	13	13	13	13	13	13	13
1991	13	13	13	13	13	13	13	13	13	13	13	13
1992	13	13	13	13	13	13	13	13	13	13	13	13
1993	13	13	13	13	13	13	13	13	13	13	13	13
1994	13	13	13	13	13	13	13	13	13	13	13	13
1995	13	13	13	13	13	13	13	13	13	13	13	13
1996	13	13	13	13	13	13	13	13	13	13	13	13
1997	13	13	13	13	13	13	13	13	13	13	13	13
1998	13	13	13	13	13	13	13	13	13	13	13	13
1999	13	13	13	13	13	13	13	13	13	13	13	13

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11 48 24 0 .72
 13 49 275 275 .90
 14 49 42 0 .58
 15 49 47 0 .64
 16 49 24 0 .56

19 49 311 36 .84
 20 49 311 0 .55

Resultant sample size = 360.
 Predicted mean = 1.88
 Predicted std dev. = 1.636
 Average standard error of prediction = 233.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2497 Variable 3
 Population Size = 324.
 Population Mean = 2.32
 Population Std. Dev. = 1.085

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	19	19	10	9	9	9	9	9	19	19	19
1971	19	19	19	9	9	9	9	9	9	19	19	19
1972	19	19	19	10	9	9	9	9	9	19	19	19
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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9	324	24	16	****	****	****	.47	.65	.83	.88	.88	.62	****	.63	.55
10	324	18	2	****	****	****	.46	****	.47	.78	.57	.62	****	****	.48
19	324	36	18	.56											
20	324	36	0	.35											

Resultant sample size = 360.

Predicted mean = 2.31
 Predicted std dev. = 1.115
 Average standard error of prediction = 505.9
 Number of variables with no predictors = 0.

Analysis for: Station number 2572 Variable 4

Population Size = 91.
 Population Mean = .21
 Population Std. Dev. = 1.895

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	19	19	9	19	19	9	9	9	9	19	19	19
1971	0	0	0	19	19	9	9	9	19	0	0	0
1972	19	19	0	0	19	9	9	9	9	19	19	0
1973	13	13	13	13	13	9	9	9	9	13	13	13
1974	13	13	13	13	13	9	9	9	13	13	13	13
1975	19	13	13	13	13	9	9	9	9	13	13	13
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	6	5	5	15	15
1984	13	13	13	13	13	9	9	9	13	13	13	13
1985	13	13	13	13	13	9	9	13	13	13	13	13
1986	13	13	9	13	13	9	9	9	9	13	13	13
1987	13	13	9	13	13	9	9	9	9	13	13	13
1988	13	13	13	13	13	9	9	9	13	13	13	13
1989	13	13	13	13	13	9	9	9	13	13	0	19
1990	13	13	13	13	13	9	9	9	13	13	13	13
1991	19	13	9	13	13	9	9	9	9	13	19	19
1992	19	13	9	13	13	9	9	9	9	13	13	19
1993	19	13	9	13	13	9	9	9	13	13	13	13
1994	13	13	9	13	13	9	9	9	9	13	13	13
1995	13	13	9	13	13	9	9	9	9	13	13	13
1996	13	13	9	13	19	9	9	9	9	13	13	13
1997	13	13	9	13	13	9	9	9	9	13	13	13
1998	13	13	9	13	13	9	9	9	9	13	13	13
1999	13	13	9	13	13	9	9	9	13	13	13	13

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Correlation Coefficients

1	25	3	0	****	****	****	****	****	****	****	.91	.90	.90	****	****
3	91	77	0	****	****	****	****	.71	.81	.75	.77	****	****	****	****
5	35	2	2	****	****	****	****	****	****	****	****	.95	.93	****	****
6	26	2	1	****	****	****	****	****	****	****	.98	.92	****	****	****
9	91	158	90	****	****	.82	****	****	.89	.84	.85	.77	.80	.80	****
10	91	23	0	****	****	****	****	****	****	****	.80	****	****	****	****
11	67	5	0	.75											
13	91	233	140	.69											
15	91	5	2	.76											
16	68	5	0	.54											
19	91	269	24	.68											
20	91	269	0	.22											

Resultant sample size = 350.
 Predicted mean = .47
 Predicted std dev. = 1.738
 Average standard error of prediction = 11890.4
 Number of variables with no predictors = 10.

Analysis for: Station number 2578 Variable 5

Population Size = 96.
 Population Mean = .94
 Population Std. Dev. = 1.595

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	19	19	19	9	9	9	9	9	19	19	19
1971	9	19	19	19	9	9	9	9	9	19	19	19
1972	9	19	19	19	9	9	9	9	9	19	19	19
1973	9	3	3	19	3	9	9	3	9	19	19	19
1974	9	3	3	19	3	9	9	3	19	19	19	19
1975	9	3	3	19	3	9	9	3	9	19	19	19
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	9	3	3	19	3	9	9	3	9	19	19	19
1985	9	3	3	19	3	9	9	3	19	19	19	19
1986	9	3	3	19	3	9	9	3	9	19	19	19
1987	9	3	3	19	3	9	9	3	9	19	19	19
1988	9	3	3	19	3	9	9	3	19	19	19	19
1989	9	3	3	19	3	9	9	3	19	19	19	19
1990	9	3	3	19	9	9	9	3	19	19	19	19
1991	9	3	3	19	9	9	9	3	9	19	19	19
1992	9	3	3	19	9	9	9	3	9	19	19	19
1993	9	3	3	19	9	9	9	3	9	19	19	19
1994	9	3	3	19	9	9	9	3	9	19	19	19
1995	9	3	19	19	3	9	9	3	9	19	19	19
1996	9	3	19	19	9	9	9	3	9	19	19	19
1997	9	3	3	19	9	9	9	3	9	19	19	19
1998	9	3	3	19	3	9	9	3	9	19	19	19
1999	9	3	3	19	3	9	9	3	9	19	19	19

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3	96	133	67	****	.77	.74	****	.80	.87	.83	.89	****	****	****	.78
9	96	198	96	.92	****	****	****	.78	.95	.96	.82	.84	.81	.79	.75
13	96	228	0	.69											
19	96	264	101	.75											
20	96	264	0	.26											

Resultant sample size = 360.
 Predicted mean = .72

Predicted std dev. = 2.319
 Average standard error of prediction = 1264.3
 Number of variables with no predictors = 0.

Analysis for: Station number 2590 Variable 6
 Population Size = 73.
 Population Mean = .27
 Population Std. Dev. = 1.830

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	9	19	19	19	9	9	10	19	9	19	19	19
1971	0	0	0	19	9	9	10	19	10	0	0	0
1972	9	19	0	0	19	9	10	19	9	19	19	0
1973	0	19	0	0	3	9	10	19	9	19	0	3
1974	9	0	0	19	3	9	10	19	10	19	0	3
1975	9	0	0	0	3	9	10	19	10	0	0	3
1976	9	4	19	19	3	9	10	4	4	19	19	3
1977	9	4	19	0	3	9	10	4	4	19	19	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	9	0	0	0	3	9	10	19	19	0	0	3
1985	0	19	0	0	3	9	10	19	0	19	0	3
1986	9	19	19	19	3	9	10	19	10	19	19	3
1987	9	19	19	19	3	9	10	19	10	19	19	3
1988	0	0	0	0	3	9	10	19	10	19	0	3
1989	0	0	0	0	3	9	10	19	10	19	0	3
1990	0	0	0	0	3	9	10	19	10	19	0	3
1991	9	19	19	19	3	9	10	19	10	19	19	3
1992	9	19	19	19	3	9	10	19	9	19	19	3
1993	9	19	19	19	3	9	10	19	10	19	19	3
1994	9	19	19	19	3	9	10	19	10	19	19	3
1995	9	19	19	19	3	9	10	19	10	19	19	3
1996	9	19	19	19	3	9	10	19	9	19	19	3
1997	9	19	19	19	3	9	10	19	10	19	19	3
1998	9	19	19	19	3	9	10	19	10	19	19	3
1999	9	19	19	19	3	9	19	19	19	19	19	3

Variable	Samples	Predictors	Actual	Correlation Coefficients											
				3	4	5	9	10	13	14	15	19	20		
3	73	62	41	****	****	****	****	.99	.92	****	****	****	****	****	.95
4	68	6	6	****	.96	****	****	****	****	****	.98	.92	****	****	****
5	73	5	0	.94	****	****	****	****	.90	****	****	****	****	****	.84
9	73	119	49	.89	****	****	****	.90	.95	****	****	.83	****	****	.82
10	73	48	37	****	****	****	****	****	****	.90	****	.88	****	****	****
13	73	251	0	.61											
14	68	23	0	.54											
15	73	23	0	.60											
19	73	287	107	.74											
20	73	287	0	.46											

Resultant sample size = 313.

Predicted mean = .46
 Predicted std dev. = 1.897
 Average standard error of prediction = 3367.4
 Number of variables with no predictors = 47.

Analysis for: Station number 2610 Variable 7

Population Size = 16.
 Population Mean = 1.77
 Population Std. Dev. = .455

Number of the independent station used to predict the dependent station

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 16.
 Predicted mean = 1.77
 Predicted std dev. = .455
 Average standard error of prediction = .0
 Number of variables with no predictors = 344.

Analysis for: Station number 2640 Variable 8

Population Size = 49.

Population Mean = 1.51
 Population Std. Dev. = 1.069

Number of the independent station used to predict the dependent station												
year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	20	20	20	20	20	20	20	19	19	20	20	20
1971	20	20	20	20	20	20	20	19	19	20	20	20
1972	20	20	20	20	20	20	20	19	19	19	19	20
1973	13	13	13	13	20	13	13	13	13	13	13	13
1974	13	13	13	20	20	20	13	13	13	20	20	20
1975	20	20	20	20	20	20	20	13	13	20	20	20
1976	20	20	20	20	20	20	20	20	13	13	13	20
1977	20	20	20	20	20	20	20	13	20	20	20	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	11	11	11	11	11	11	11	11	11	11	11	11
1983	11	11	11	11	11	11	11	11	11	11	11	11
1984	20	20	13	13	20	20	20	20	13	20	20	20
1985	13	20	20	20	13	20	20	13	13	13	13	20
1986	20	13	13	13	13	20	20	20	20	20	20	20
1987	20	20	20	20	20	20	20	20	20	20	20	20
1988	20	20	20	20	20	20	20	20	13	13	20	20
1989	20	20	20	20	13	20	13	20	20	13	20	20
1990	20	13	13	13	20	20	20	20	13	13	20	20
1991	20	20	13	13	13	13	13	20	20	13	20	20
1992	20	13	13	20	13	13	13	13	13	13	13	20
1993	20	13	13	13	13	13	13	13	20	20	20	13
1994	20	13	13	13	13	20	20	20	20	13	20	20
1995	20	20	13	13	13	20	13	13	13	20	20	20
1996	20	20	20	20	20	13	13	13	13	13	20	20
1997	20	20	20	20	20	20	13	13	13	13	13	13
1998	13	20	13	20	20	20	20	20	20	20	13	20
1999	20	20	13	13	20	20	13	13	13	13	13	13

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11	48	24	24	.74
13	49	275	102	.70
14	49	42	0	.51
15	49	47	0	.62
16	49	24	0	.35
19	49	311	8	.70
20	49	311	177	.71

Resultant sample size = 360.
 Predicted mean = 1.64
 Predicted std dev. = .824
 Average standard error of prediction = 485.8
 Number of variables with no predictors = 0.

Analysis for: Station number 4265 Variable 9
 Population Size = 360.
 Population Mean = 1.85
 Population Std. Dev. = 1.952

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 1.85
 Predicted std dev. = 1.952
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

Analysis for: Station number 3050 Variable 10
 Population Size = 360.
 Population Mean = 3.34
 Population Std. Dev. = .159

year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1970	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0

1975	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0

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Resultant sample size = 360.
 Predicted mean = 3.34
 Predicted std dev. = .159
 Average standard error of prediction = .0
 Number of variables with no predictors = 0.

The total predicted error was 4708233.00 for 1490. predictions