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APPENDIX A

METEOROLOGICAL DATA

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	1	1	(1)	5	8.20	262.0	325.0	325.0	646.0	210.0
79	1	1	2	(1)	5	8.60	262.0	322.0	322.0	660.0	210.0
79	1	1	3	(1)	5	9.70	262.0	327.0	327.0	674.0	210.0
79	1	1	4	(1)	5	8.40	262.0	331.0	331.0	689.0	210.0
79	1	1	5	(1)	5	6.90	261.0	335.0	335.0	703.0	210.0
79	1	1	6	(1)	5	6.00	261.0	327.0	327.0	717.0	210.0
79	1	1	7	(1)	5	7.20	260.0	338.0	338.0	731.0	210.0
79	1	1	8	(1)	5	6.20	260.0	331.0	331.0	19.0	222.0
79	1	1	9	(1)	5	6.20	260.0	335.0	335.0	103.0	271.0
79	1	1	10	(1)	5	7.10	261.0	336.0	336.0	186.0	321.0
79	1	1	11	(1)	5	6.90	261.0	332.0	332.0	270.0	371.0
79	1	1	12	(1)	5	7.90	261.0	327.0	327.0	353.0	421.0
79	1	1	13	(1)	5	7.30	261.0	328.0	328.0	437.0	470.0
79	1	1	14	(1)	5	5.90	261.0	335.0	335.0	520.0	520.0
79	1	1	15	(1)	5	5.20	261.0	312.0	312.0	520.0	520.0
79	1	1	16	(1)	4	5.00	260.0	303.0	303.0	520.0	520.0
79	1	1	17	(1)	4	4.40	259.0	299.0	299.0	507.0	507.0
79	1	1	18	(1)	4	4.60	259.0	293.0	293.0	492.0	492.0
79	1	1	19	(1)	4	4.80	258.0	304.0	304.0	475.0	475.0
79	1	1	20	(1)	4	3.90	257.0	314.0	314.0	457.0	457.0
79	1	1	21	(1)	4	5.10	256.0	304.0	304.0	436.0	436.0
79	1	1	22	(1)	4	5.20	254.0	290.0	290.0	413.0	413.0
79	1	1	23	(1)	4	5.40	252.0	294.0	294.0	386.0	386.0
79	1	1	24	(1)	4	5.80	251.0	298.0	298.0	356.0	356.0
79	1	2	1	(2)	4	6.20	250.0	282.0	282.0	768.0	768.0
79	1	2	2	(2)	4	5.60	249.0	284.0	284.0	796.0	796.0
79	1	2	3	(2)	4	5.40	249.0	285.0	285.0	824.0	824.0
79	1	2	4	(2)	4	5.60	248.0	282.0	282.0	852.0	852.0
79	1	2	5	(2)	4	6.40	247.0	283.0	283.0	879.0	879.0
79	1	2	6	(2)	5	7.10	246.0	280.0	280.0	907.0	230.0
79	1	2	7	(2)	5	6.70	246.0	274.0	274.0	935.0	230.0
79	1	2	8	(2)	4	5.90	245.0	273.0	273.0	752.0	752.0
79	1	2	9	(2)	4	6.70	247.0	290.0	290.0	767.0	767.0
79	1	2	10	(2)	4	5.40	249.0	291.0	291.0	782.0	782.0
79	1	2	11	(2)	4	6.50	251.0	304.0	304.0	796.0	796.0
79	1	2	12	(2)	4	5.90	253.0	292.0	292.0	811.0	811.0
79	1	2	13	(2)	4	5.50	255.0	298.0	298.0	825.0	825.0
79	1	2	14	(2)	4	2.80	256.0	290.0	290.0	840.0	840.0
79	1	2	15	(2)	4	6.10	255.0	285.0	285.0	840.0	840.0
79	1	2	16	(2)	4	5.70	254.0	286.0	286.0	840.0	840.0
79	1	2	17	(2)	4	5.80	252.0	271.0	271.0	817.0	817.0
79	1	2	18	(2)	4	7.00	251.0	272.0	272.0	788.0	788.0
79	1	2	19	(2)	4	7.50	250.0	277.0	277.0	757.0	757.0
79	1	2	20	(2)	4	7.70	249.0	275.0	275.0	723.0	723.0
79	1	2	21	(2)	4	8.10	249.0	273.0	273.0	684.0	684.0
79	1	2	22	(2)	4	8.80	249.0	273.0	273.0	640.0	640.0
79	1	2	23	(2)	4	7.30	249.0	267.0	267.0	591.0	591.0
79	1	2	24	(2)	4	6.70	248.0	261.0	261.0	535.0	535.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	3	1	(3)	4	7.90	248.0	256.0	256.0	1000.0	1000.0
79	1	3	2	(3)	5	7.20	248.0	255.0	255.0	1019.0	300.0
79	1	3	3	(3)	4	6.40	248.0	264.0	264.0	1037.0	1037.0
79	1	3	4	(3)	5	6.40	248.0	261.0	261.0	1055.0	300.0
79	1	3	5	(3)	5	7.10	248.0	253.0	253.0	1073.0	300.0
79	1	3	6	(3)	5	6.60	248.0	255.0	255.0	1091.0	300.0
79	1	3	7	(3)	5	6.70	247.0	256.0	256.0	1109.0	300.0
79	1	3	8	(3)	4	6.70	247.0	255.0	255.0	735.0	735.0
79	1	3	9	(3)	4	5.30	249.0	252.0	252.0	728.0	728.0
79	1	3	10	(3)	4	4.30	251.0	249.0	249.0	721.0	721.0
79	1	3	11	(3)	4	4.80	253.0	251.0	251.0	715.0	715.0
79	1	3	12	(3)	4	5.80	254.0	248.0	248.0	708.0	708.0
79	1	3	13	(3)	4	6.90	255.0	240.0	240.0	702.0	702.0
79	1	3	14	(3)	4	7.00	256.0	246.0	246.0	695.0	695.0
79	1	3	15	(3)	4	6.10	255.0	254.0	254.0	695.0	695.0
79	1	3	16	(3)	4	5.40	255.0	247.0	247.0	695.0	695.0
79	1	3	17	(3)	5	5.80	254.0	251.0	251.0	677.0	648.0
79	1	3	18	(3)	4	6.20	253.0	259.0	259.0	656.0	656.0
79	1	3	19	(3)	4	6.20	253.0	260.0	260.0	632.0	632.0
79	1	3	20	(3)	4	6.90	253.0	259.0	259.0	605.0	605.0
79	1	3	21	(3)	4	7.10	253.0	253.0	253.0	575.0	575.0
79	1	3	22	(3)	4	6.30	252.0	252.0	252.0	542.0	542.0
79	1	3	23	(3)	4	7.30	252.0	259.0	259.0	504.0	504.0
79	1	3	24	(3)	4	7.90	252.0	264.0	264.0	461.0	461.0
79	1	4	1	(4)	4	7.50	252.0	266.0	266.0	898.0	898.0
79	1	4	2	(4)	4	6.30	252.0	271.0	271.0	921.0	921.0
79	1	4	3	(4)	4	6.90	251.0	274.0	274.0	944.0	944.0
79	1	4	4	(4)	4	6.40	251.0	267.0	267.0	966.0	966.0
79	1	4	5	(4)	4	6.10	250.0	270.0	270.0	989.0	989.0
79	1	4	6	(4)	4	7.40	250.0	264.0	264.0	1012.0	1012.0
79	1	4	7	(4)	4	6.70	249.0	262.0	262.0	1035.0	1035.0
79	1	4	8	(4)	4	6.70	248.0	252.0	252.0	757.0	757.0
79	1	4	9	(4)	4	7.30	249.0	257.0	257.0	761.0	761.0
79	1	4	10	(4)	4	6.30	250.0	264.0	264.0	764.0	764.0
79	1	4	11	(4)	4	6.70	251.0	267.0	267.0	768.0	768.0
79	1	4	12	(4)	4	6.60	252.0	270.0	270.0	772.0	772.0
79	1	4	13	(4)	4	7.60	253.0	280.0	280.0	776.0	776.0
79	1	4	14	(4)	4	7.10	253.0	275.0	275.0	780.0	780.0
79	1	4	15	(4)	4	6.60	252.0	268.0	268.0	780.0	780.0
79	1	4	16	(4)	4	6.00	251.0	268.0	268.0	780.0	780.0
79	1	4	17	(4)	4	5.10	250.0	258.0	258.0	759.0	759.0
79	1	4	18	(4)	4	4.60	250.0	268.0	268.0	734.0	734.0
79	1	4	19	(4)	5	5.80	249.0	260.0	260.0	706.0	601.0
79	1	4	20	(4)	4	7.10	249.0	272.0	272.0	674.0	674.0
79	1	4	21	(4)	4	7.00	249.0	275.0	275.0	639.0	639.0
79	1	4	22	(4)	4	6.40	249.0	266.0	266.0	600.0	600.0
79	1	4	23	(4)	4	5.60	249.0	254.0	254.0	555.0	555.0
79	1	4	24	(4)	4	6.20	248.0	256.0	256.0	504.0	504.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	5	1	(5)	4	6.80	248.0	264.0	264.0	926.0	926.0
79	1	5	2	(5)	4	6.60	248.0	278.0	278.0	942.0	942.0
79	1	5	3	(5)	4	6.00	248.0	275.0	275.0	959.0	959.0
79	1	5	4	(5)	5	5.70	247.0	273.0	273.0	975.0	290.0
79	1	5	5	(5)	5	5.40	247.0	273.0	273.0	992.0	290.0
79	1	5	6	(5)	5	4.40	246.0	263.0	263.0	1008.0	290.0
79	1	5	7	(5)	5	5.00	246.0	246.0	246.0	1025.0	290.0
79	1	5	8	(5)	5	5.70	246.0	269.0	269.0	25.0	304.0
79	1	5	9	(5)	5	5.50	248.0	275.0	275.0	129.0	361.0
79	1	5	10	(5)	4	5.00	251.0	262.0	262.0	674.0	674.0
79	1	5	11	(5)	4	2.30	255.0	265.0	265.0	668.0	668.0
79	1	5	12	(5)	4	5.40	258.0	268.0	268.0	662.0	662.0
79	1	5	13	(5)	4	5.40	259.0	242.0	242.0	656.0	656.0
79	1	5	14	(5)	4	5.40	260.0	234.0	234.0	650.0	650.0
79	1	5	15	(5)	4	4.80	260.0	240.0	240.0	650.0	650.0
79	1	5	16	(5)	5	3.90	259.0	232.0	232.0	650.0	650.0
79	1	5	17	(5)	5	6.30	256.0	214.0	214.0	633.0	605.0
79	1	5	18	(5)	5	6.20	254.0	215.0	215.0	612.0	553.0
79	1	5	19	(5)	5	5.90	252.0	221.0	221.0	588.0	501.0
79	1	5	20	(5)	5	5.70	251.0	230.0	230.0	562.0	449.0
79	1	5	21	(5)	5	5.70	250.0	230.0	230.0	533.0	396.0
79	1	5	22	(5)	5	4.60	249.0	212.0	212.0	500.0	344.0
79	1	5	23	(5)	5	4.60	248.0	189.0	189.0	462.0	292.0
79	1	5	24	(5)	5	5.10	247.0	194.0	194.0	420.0	240.0
79	1	6	1	(6)	5	5.40	247.0	194.0	194.0	776.0	240.0
79	1	6	2	(6)	5	5.00	247.0	191.0	191.0	790.0	240.0
79	1	6	3	(6)	5	4.80	248.0	188.0	188.0	804.0	240.0
79	1	6	4	(6)	4	4.60	248.0	188.0	188.0	818.0	818.0
79	1	6	5	(6)	5	5.30	249.0	190.0	190.0	832.0	240.0
79	1	6	6	(6)	4	4.90	249.0	185.0	185.0	846.0	846.0
79	1	6	7	(6)	5	4.30	249.0	193.0	193.0	861.0	240.0
79	1	6	8	(6)	4	4.30	249.0	197.0	197.0	577.0	577.0
79	1	6	9	(6)	5	3.80	250.0	199.0	199.0	109.0	302.0
79	1	6	10	(6)	5	3.40	253.0	214.0	214.0	198.0	351.0
79	1	6	11	(6)	4	5.30	256.0	254.0	254.0	564.0	564.0
79	1	6	12	(6)	4	5.00	257.0	237.0	237.0	559.0	559.0
79	1	6	13	(6)	4	5.60	259.0	230.0	230.0	555.0	555.0
79	1	6	14	(6)	4	5.90	259.0	247.0	247.0	550.0	550.0
79	1	6	15	(6)	4	5.10	259.0	257.0	257.0	550.0	550.0
79	1	6	16	(6)	4	4.60	259.0	271.0	271.0	550.0	550.0
79	1	6	17	(6)	4	3.90	257.0	263.0	263.0	534.0	534.0
79	1	6	18	(6)	5	4.20	256.0	250.0	250.0	513.0	455.0
79	1	6	19	(6)	5	3.60	255.0	239.0	239.0	489.0	403.0
79	1	6	20	(6)	5	4.20	254.0	248.0	248.0	463.0	351.0
79	1	6	21	(6)	5	5.60	253.0	248.0	248.0	435.0	300.0
79	1	6	22	(6)	5	5.00	252.0	262.0	262.0	402.0	248.0
79	1	6	23	(6)	5	5.20	252.0	260.0	260.0	365.0	197.0
79	1	6	24	(6)	5	5.90	251.0	273.0	273.0	323.0	145.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	7	1	(7)	5	5.80	251.0	262.0	262.0	734.0	145.0
79	1	7	2	(7)	5	7.00	251.0	276.0	276.0	755.0	145.0
79	1	7	3	(7)	5	7.40	251.0	280.0	280.0	776.0	145.0
79	1	7	4	(7)	5	6.30	251.0	273.0	273.0	797.0	145.0
79	1	7	5	(7)	5	7.60	251.0	272.0	272.0	817.0	145.0
79	1	7	6	(7)	5	7.70	250.0	273.0	273.0	838.0	145.0
79	1	7	7	(7)	5	7.60	250.0	261.0	261.0	859.0	145.0
79	1	7	8	(7)	5	7.60	250.0	274.0	274.0	24.0	163.0
79	1	7	9	(7)	4	6.60	251.0	258.0	258.0	589.0	589.0
79	1	7	10	(7)	4	4.20	254.0	249.0	249.0	591.0	591.0
79	1	7	11	(7)	4	4.00	256.0	261.0	261.0	593.0	593.0
79	1	7	12	(7)	4	4.60	258.0	272.0	272.0	595.0	595.0
79	1	7	13	(7)	4	3.80	260.0	277.0	277.0	598.0	598.0
79	1	7	14	(7)	4	3.90	260.0	308.0	308.0	600.0	600.0
79	1	7	15	(7)	4	3.70	261.0	302.0	302.0	600.0	600.0
79	1	7	16	(7)	4	3.30	260.0	278.0	278.0	600.0	600.0
79	1	7	17	(7)	5	4.40	259.0	300.0	300.0	578.0	542.0
79	1	7	18	(7)	5	5.10	258.0	303.0	303.0	550.0	472.0
79	1	7	19	(7)	5	4.60	256.0	294.0	294.0	518.0	401.0
79	1	7	20	(7)	4	5.40	255.0	294.0	294.0	483.0	483.0
79	1	7	21	(7)	4	5.30	254.0	291.0	291.0	444.0	444.0
79	1	7	22	(7)	4	7.00	253.0	291.0	291.0	400.0	400.0
79	1	7	23	(7)	4	6.50	253.0	289.0	289.0	350.0	350.0
79	1	7	24	(7)	4	5.40	251.0	274.0	274.0	295.0	293.0
79	1	8	1	(8)	5	6.60	251.0	276.0	276.0	933.0	50.0
79	1	8	2	(8)	5	6.50	250.0	273.0	273.0	971.0	50.0
79	1	8	3	(8)	5	6.70	249.0	275.0	275.0	1009.0	50.0
79	1	8	4	(8)	5	6.60	249.0	272.0	272.0	1047.0	50.0
79	1	8	5	(8)	4	6.50	249.0	267.0	267.0	1085.0	1085.0
79	1	8	6	(8)	5	6.30	249.0	270.0	270.0	1122.0	50.0
79	1	8	7	(8)	5	5.50	248.0	251.0	251.0	1160.0	50.0
79	1	8	8	(8)	5	4.50	248.0	245.0	245.0	35.0	83.0
79	1	8	9	(8)	4	4.20	250.0	252.0	252.0	812.0	812.0
79	1	8	10	(8)	4	4.00	252.0	264.0	264.0	825.0	825.0
79	1	8	11	(8)	4	5.00	255.0	237.0	237.0	837.0	837.0
79	1	8	12	(8)	4	4.60	256.0	223.0	223.0	850.0	850.0
79	1	8	13	(8)	4	4.80	258.0	239.0	239.0	862.0	862.0
79	1	8	14	(8)	5	5.40	258.0	215.0	215.0	875.0	875.0
79	1	8	15	(8)	5	6.10	257.0	202.0	202.0	875.0	875.0
79	1	8	16	(8)	5	5.10	257.0	209.0	209.0	875.0	875.0
79	1	8	17	(8)	5	4.80	257.0	206.0	206.0	842.0	788.0
79	1	8	18	(8)	5	5.30	256.0	223.0	223.0	799.0	679.0
79	1	8	19	(8)	4	6.30	256.0	250.0	250.0	750.0	750.0
79	1	8	20	(8)	4	7.00	256.0	262.0	262.0	696.0	696.0
79	1	8	21	(8)	4	6.00	256.0	259.0	259.0	636.0	636.0
79	1	8	22	(8)	4	6.40	256.0	251.0	251.0	568.0	568.0
79	1	8	23	(8)	5	6.60	255.0	250.0	250.0	491.0	138.0
79	1	8	24	(8)	5	6.70	255.0	250.0	250.0	404.0	30.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	9	1	(9)	5	6.10	255.0	251.0	251.0	1020.0	30.0
79	1	9	2	(9)	5	6.00	256.0	253.0	253.0	1037.0	30.0
79	1	9	3	(9)	4	6.20	256.0	258.0	258.0	1053.0	1053.0
79	1	9	4	(9)	4	6.70	255.0	262.0	262.0	1070.0	1070.0
79	1	9	5	(9)	4	7.10	254.0	269.0	269.0	1086.0	1086.0
79	1	9	6	(9)	4	6.40	254.0	283.0	283.0	1103.0	1103.0
79	1	9	7	(9)	5	5.10	254.0	268.0	268.0	1119.0	30.0
79	1	9	8	(9)	5	5.40	254.0	264.0	264.0	16.0	45.0
79	1	9	9	(9)	4	4.30	256.0	278.0	278.0	501.0	501.0
79	1	9	10	(9)	4	5.40	258.0	311.0	311.0	479.0	479.0
79	1	9	11	(9)	4	5.40	258.0	311.0	311.0	479.0	479.0
79	1	9	12	(9)	4	6.00	260.0	311.0	311.0	457.0	457.0
79	1	9	13	(9)	5	6.00	259.0	313.0	313.0	328.0	332.0
79	1	9	14	(9)	4	5.70	260.0	304.0	304.0	390.0	390.0
79	1	9	15	(9)	4	5.80	260.0	300.0	300.0	390.0	390.0
79	1	9	16	(9)	4	5.40	259.0	303.0	303.0	390.0	390.0
79	1	9	17	(9)	4	5.20	258.0	294.0	294.0	388.0	388.0
79	1	9	18	(9)	4	5.20	257.0	287.0	287.0	386.0	386.0
79	1	9	19	(9)	4	5.10	255.0	284.0	284.0	383.0	383.0
79	1	9	20	(9)	4	4.70	255.0	284.0	284.0	379.0	379.0
79	1	9	21	(9)	5	4.00	254.0	245.0	245.0	376.0	359.0
79	1	9	22	(9)	5	5.60	253.0	285.0	285.0	372.0	353.0
79	1	9	23	(9)	5	5.90	252.0	278.0	278.0	367.0	346.0
79	1	9	24	(9)	5	6.30	251.0	272.0	272.0	362.0	340.0
79	1	10	1	(10)	4	6.00	251.0	289.0	289.0	628.0	628.0
79	1	10	2	(10)	5	4.90	251.0	273.0	273.0	655.0	340.0
79	1	10	3	(10)	4	4.90	252.0	273.0	273.0	682.0	682.0
79	1	10	4	(10)	4	5.10	252.0	273.0	273.0	709.0	709.0
79	1	10	5	(10)	4	5.00	252.0	280.0	280.0	736.0	736.0
79	1	10	6	(10)	4	5.60	251.0	281.0	281.0	763.0	763.0
79	1	10	7	(10)	4	5.70	251.0	274.0	274.0	790.0	790.0
79	1	10	8	(10)	5	5.80	250.0	278.0	278.0	39.0	365.0
79	1	10	9	(10)	5	4.90	252.0	279.0	279.0	188.0	459.0
79	1	10	10	(10)	4	4.00	254.0	285.0	285.0	831.0	831.0
79	1	10	11	(10)	4	3.80	256.0	295.0	295.0	856.0	856.0
79	1	10	12	(10)	3	4.10	257.0	298.0	298.0	633.0	742.0
79	1	10	13	(10)	4	4.70	259.0	304.0	304.0	905.0	905.0
79	1	10	14	(10)	4	5.00	259.0	305.0	305.0	930.0	930.0
79	1	10	15	(10)	4	5.00	259.0	293.0	293.0	930.0	930.0
79	1	10	16	(10)	4	5.10	258.0	293.0	293.0	930.0	930.0
79	1	10	17	(10)	4	5.20	257.0	309.0	309.0	901.0	901.0
79	1	10	18	(10)	5	3.60	255.0	284.0	284.0	860.0	750.0
79	1	10	19	(10)	5	3.70	254.0	269.0	269.0	815.0	648.0
79	1	10	20	(10)	5	4.20	253.0	265.0	265.0	765.0	547.0
79	1	10	21	(10)	5	4.60	252.0	274.0	274.0	708.0	445.0
79	1	10	22	(10)	5	5.80	251.0	279.0	279.0	645.0	343.0
79	1	10	23	(10)	5	6.40	251.0	257.0	257.0	573.0	242.0
79	1	10	24	(10)	5	6.80	250.0	277.0	277.0	492.0	140.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	11	1	(11)	5	5.80	249.0	277.0	277.0	1099.0	140.0
79	1	11	2	(11)	5	4.80	249.0	274.0	274.0	1118.0	140.0
79	1	11	3	(11)	5	5.10	248.0	276.0	276.0	1138.0	140.0
79	1	11	4	(11)	5	5.70	248.0	270.0	270.0	1157.0	140.0
79	1	11	5	(11)	5	4.80	247.0	284.0	284.0	1176.0	140.0
79	1	11	6	(11)	5	2.80	247.0	288.0	288.0	1196.0	140.0
79	1	11	7	(11)	5	2.50	246.0	278.0	278.0	1215.0	140.0
79	1	11	8	(11)	5	2.60	246.0	279.0	279.0	24.0	158.0
79	1	11	9	(11)	4	2.50	248.0	282.0	282.0	645.0	645.0
79	1	11	10	(11)	4	1.10	251.0	274.0	274.0	628.0	628.0
79	1	11	11	(11)	4	1.20	254.0	283.0	283.0	611.0	611.0
79	1	11	12	(11)	4	0.60	256.0	27.0	27.0	594.0	594.0
79	1	11	13	(11)	4	1.50	258.0	57.0	57.0	577.0	577.0
79	1	11	14	(11)	5	1.90	259.0	159.0	159.0	560.0	560.0
79	1	11	15	(11)	3	3.40	259.0	151.0	151.0	560.0	560.0
79	1	11	16	(11)	3	3.20	258.0	145.0	145.0	560.0	560.0
79	1	11	17	(11)	4	4.30	256.0	169.0	169.0	549.0	549.0
79	1	11	18	(11)	3	4.40	255.0	174.0	174.0	533.0	490.0
79	1	11	19	(11)	2	3.50	254.0	152.0	152.0	515.0	450.0
79	1	11	20	(11)	4	2.70	253.0	182.0	182.0	495.0	495.0
79	1	11	21	(11)	4	1.90	253.0	101.0	101.0	473.0	473.0
79	1	11	22	(11)	4	1.70	252.0	179.0	179.0	449.0	449.0
79	1	11	23	(11)	6	0.90	252.0	284.0	284.0	421.0	290.0
79	1	11	24	(11)	6	1.30	252.0	200.0	200.0	386.0	250.0
79	1	12	1	(12)	5	2.00	252.0	212.0	212.0	691.0	250.0
79	1	12	2	(12)	5	3.20	252.0	258.0	258.0	706.0	250.0
79	1	12	3	(12)	4	1.60	252.0	99.0	99.0	720.0	720.0
79	1	12	4	(12)	5	1.90	252.0	107.0	107.0	735.0	250.0
79	1	12	5	(12)	4	1.90	252.0	95.0	95.0	750.0	750.0
79	1	12	6	(12)	5	1.50	252.0	69.0	69.0	765.0	250.0
79	1	12	7	(12)	5	1.20	252.0	7.0	7.0	780.0	250.0
79	1	12	8	(12)	5	0.70	253.0	278.0	278.0	26.0	264.0
79	1	12	9	(12)	5	0.40	254.0	327.0	327.0	117.0	316.0
79	1	12	10	(12)	4	0.60	256.0	356.0	356.0	572.0	572.0
79	1	12	11	(12)	4	0.40	257.0	38.0	38.0	573.0	573.0
79	1	12	12	(12)	4	0.90	259.0	22.0	22.0	574.0	574.0
79	1	12	13	(12)	4	1.20	260.0	15.0	15.0	574.0	574.0
79	1	12	14	(12)	5	1.70	261.0	359.0	359.0	575.0	575.0
79	1	12	15	(12)	4	1.50	262.0	33.0	33.0	575.0	575.0
79	1	12	16	(12)	4	1.70	261.0	44.0	44.0	575.0	575.0
79	1	12	17	(12)	5	1.70	261.0	47.0	47.0	565.0	547.0
79	1	12	18	(12)	5	2.30	261.0	30.0	30.0	550.0	509.0
79	1	12	19	(12)	4	2.80	261.0	30.0	30.0	533.0	533.0
79	1	12	20	(12)	4	3.00	262.0	26.0	26.0	514.0	514.0
79	1	12	21	(12)	5	3.20	262.0	27.0	27.0	493.0	395.0
79	1	12	22	(12)	4	3.30	262.0	34.0	34.0	469.0	469.0
79	1	12	23	(12)	5	3.60	262.0	28.0	28.0	443.0	318.0
79	1	12	24	(12)	5	3.80	262.0	35.0	35.0	412.0	280.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	13	1	(13)	4	4.00	262.0	35.0	35.0	575.0	575.0
79	1	13	2	(13)	5	5.00	262.0	38.0	38.0	575.0	280.0
79	1	13	3	(13)	5	4.80	263.0	33.0	33.0	575.0	280.0
79	1	13	4	(13)	5	5.80	263.0	28.0	28.0	575.0	280.0
79	1	13	5	(13)	5	4.50	263.0	30.0	30.0	575.0	280.0
79	1	13	6	(13)	5	4.00	263.0	30.0	30.0	575.0	280.0
79	1	13	7	(13)	4	5.50	263.0	11.0	11.0	575.0	575.0
79	1	13	8	(13)	5	4.90	263.0	7.0	7.0	13.0	280.0
79	1	13	9	(13)	5	4.50	264.0	11.0	11.0	57.0	280.0
79	1	13	10	(13)	5	5.00	264.0	358.0	358.0	102.0	280.0
79	1	13	11	(13)	5	4.30	264.0	360.0	360.0	146.0	280.0
79	1	13	12	(13)	4	4.10	265.0	356.0	356.0	307.0	307.0
79	1	13	13	(13)	5	4.40	265.0	356.0	356.0	235.0	280.0
79	1	13	14	(13)	5	6.80	266.0	5.0	5.0	280.0	280.0
79	1	13	15	(13)	5	6.90	265.0	2.0	2.0	280.0	280.0
79	1	13	16	(13)	5	6.80	264.0	355.0	355.0	280.0	280.0
79	1	13	17	(13)	5	7.70	264.0	350.0	350.0	283.0	288.0
79	1	13	18	(13)	5	8.30	263.0	345.0	345.0	287.0	299.0
79	1	13	19	(13)	5	9.00	263.0	343.0	343.0	292.0	310.0
79	1	13	20	(13)	5	10.00	263.0	343.0	343.0	298.0	321.0
79	1	13	21	(13)	5	10.40	262.0	341.0	341.0	304.0	332.0
79	1	13	22	(13)	5	10.10	261.0	334.0	334.0	310.0	343.0
79	1	13	23	(13)	5	9.60	260.0	334.0	334.0	318.0	354.0
79	1	13	24	(13)	5	8.80	259.0	325.0	325.0	327.0	365.0
79	1	14	1	(14)	5	9.20	258.0	323.0	323.0	446.0	365.0
79	1	14	2	(14)	5	9.20	257.0	330.0	330.0	465.0	365.0
79	1	14	3	(14)	5	9.10	256.0	322.0	322.0	484.0	365.0
79	1	14	4	(14)	5	8.10	255.0	317.0	317.0	504.0	365.0
79	1	14	5	(14)	5	9.40	255.0	320.0	320.0	523.0	365.0
79	1	14	6	(14)	4	8.90	255.0	317.0	317.0	542.0	542.0
79	1	14	7	(14)	4	9.00	254.0	314.0	314.0	561.0	561.0
79	1	14	8	(14)	4	9.30	254.0	313.0	313.0	642.0	642.0
79	1	14	9	(14)	4	8.90	254.0	303.0	303.0	665.0	665.0
79	1	14	10	(14)	4	8.50	254.0	298.0	298.0	688.0	688.0
79	1	14	11	(14)	4	8.60	255.0	303.0	303.0	711.0	711.0
79	1	14	12	(14)	4	8.40	256.0	295.0	295.0	734.0	734.0
79	1	14	13	(14)	4	8.00	256.0	299.0	299.0	757.0	757.0
79	1	14	14	(14)	4	6.70	256.0	291.0	291.0	780.0	780.0
79	1	14	15	(14)	4	7.50	256.0	285.0	285.0	780.0	780.0
79	1	14	16	(14)	4	6.90	255.0	282.0	282.0	780.0	780.0
79	1	14	17	(14)	4	7.30	254.0	272.0	272.0	762.0	762.0
79	1	14	18	(14)	4	6.40	253.0	272.0	272.0	734.0	734.0
79	1	14	19	(14)	4	5.90	252.0	270.0	270.0	702.0	702.0
79	1	14	20	(14)	4	5.00	251.0	266.0	266.0	667.0	667.0
79	1	14	21	(14)	4	5.40	250.0	265.0	265.0	628.0	628.0
79	1	14	22	(14)	4	5.70	250.0	259.0	259.0	585.0	585.0
79	1	14	23	(14)	4	5.40	249.0	256.0	256.0	535.0	535.0
79	1	14	24	(14)	4	5.20	248.0	260.0	260.0	478.0	478.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	15	1	(15)	4	5.70	247.0	256.0	256.0	830.0	830.0
79	1	15	2	(15)	4	6.60	247.0	267.0	267.0	836.0	836.0
79	1	15	3	(15)	4	5.40	246.0	275.0	275.0	842.0	842.0
79	1	15	4	(15)	4	4.50	246.0	268.0	268.0	847.0	847.0
79	1	15	5	(15)	5	*4.00*	*245.0*	286.0	286.0	853.0	230.0
79	1	15	6	(15)	5	4.80	245.0	272.0	272.0	859.0	230.0
79	1	15	7	(15)	5	4.20	245.0	242.0	242.0	865.0	230.0
79	1	15	8	(15)	5	4.70	245.0	275.0	275.0	17.0	236.0
79	1	15	9	(15)	5	4.90	247.0	245.0	245.0	74.0	256.0
79	1	15	10	(15)	4	2.50	249.0	258.0	258.0	433.0	433.0
79	1	15	11	(15)	4	2.50	251.0	251.0	251.0	414.0	414.0
79	1	15	12	(15)	4	2.90	253.0	267.0	267.0	394.0	394.0
79	1	15	13	(15)	4	3.30	254.0	220.0	220.0	375.0	375.0
79	1	15	14	(15)	4	2.20	255.0	231.0	231.0	355.0	355.0
79	1	15	15	(15)	4	2.10	257.0	203.0	203.0	355.0	355.0
79	1	15	16	(15)	3	2.10	256.0	198.0	198.0	355.0	355.0
79	1	15	17	(15)	4	2.70	255.0	171.0	171.0	347.0	347.0
79	1	15	18	(15)	4	2.30	255.0	174.0	174.0	333.0	333.0
79	1	15	19	(15)	4	2.50	255.0	184.0	184.0	318.0	318.0
79	1	15	20	(15)	5	2.30	255.0	184.0	184.0	301.0	228.0
79	1	15	21	(15)	4	2.90	255.0	288.0	288.0	282.0	282.0
79	1	15	22	(15)	5	5.10	254.0	294.0	294.0	261.0	159.0
79	1	15	23	(15)	5	5.20	254.0	277.0	277.0	237.0	125.0
79	1	15	24	(15)	5	5.00	252.0	293.0	293.0	210.0	90.0
79	1	16	1	(16)	5	5.80	251.0	274.0	274.0	579.0	90.0
79	1	16	2	(16)	5	6.30	251.0	300.0	300.0	604.0	90.0
79	1	16	3	(16)	5	4.30	251.0	265.0	265.0	630.0	90.0
79	1	16	4	(16)	5	5.10	250.0	283.0	283.0	656.0	90.0
79	1	16	5	(16)	5	3.80	249.0	257.0	257.0	682.0	90.0
79	1	16	6	(16)	5	5.70	249.0	297.0	297.0	708.0	90.0
79	1	16	7	(16)	5	4.90	248.0	271.0	271.0	734.0	90.0
79	1	16	8	(16)	5	4.30	248.0	278.0	278.0	33.0	118.0
79	1	16	9	(16)	5	4.50	250.0	301.0	301.0	136.0	207.0
79	1	16	10	(16)	4	2.50	254.0	306.0	306.0	595.0	595.0
79	1	16	11	(16)	2	1.30	256.0	345.0	345.0	341.0	384.0
79	1	16	12	(16)	4	1.80	257.0	4.0	4.0	623.0	623.0
79	1	16	13	(16)	4	0.50	258.0	297.0	297.0	636.0	636.0
79	1	16	14	(16)	4	1.30	259.0	105.0	105.0	650.0	650.0
79	1	16	15	(16)	4	1.30	259.0	123.0	123.0	650.0	650.0
79	1	16	16	(16)	3	1.70	259.0	101.0	101.0	650.0	650.0
79	1	16	17	(16)	2	2.50	259.0	128.0	128.0	633.0	604.0
79	1	16	18	(16)	4	3.00	259.0	129.0	129.0	605.0	605.0
79	1	16	19	(16)	4	1.90	258.0	132.0	132.0	574.0	574.0
79	1	16	20	(16)	4	2.70	258.0	80.0	80.0	539.0	539.0
79	1	16	21	(16)	5	3.80	258.0	62.0	62.0	500.0	316.0
79	1	16	22	(16)	5	4.50	258.0	70.0	70.0	456.0	244.0
79	1	16	23	(16)	4	3.70	259.0	90.0	90.0	406.0	406.0
79	1	16	24	(16)	4	2.70	260.0	107.0	107.0	350.0	350.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	17	1	(17)	4	3.10	260.0	138.0	138.0	670.0	670.0
79	1	17	2	(17)	4	2.40	260.0	83.0	83.0	672.0	672.0
79	1	17	3	(17)	4	3.00	260.0	50.0	50.0	675.0	675.0
79	1	17	4	(17)	4	2.50	261.0	54.0	54.0	677.0	677.0
79	1	17	5	(17)	4	1.80	261.0	348.0	348.0	679.0	679.0
79	1	17	6	(17)	3	2.50	261.0	295.0	295.0	681.0	100.0
79	1	17	7	(17)	4	5.20	261.0	275.0	275.0	684.0	684.0
79	1	17	8	(17)	4	7.00	260.0	284.0	284.0	289.0	289.0
79	1	17	9	(17)	4	8.00	261.0	294.0	294.0	266.0	266.0
79	1	17	10	(17)	4	8.50	261.0	299.0	299.0	243.0	243.0
79	1	17	11	(17)	4	9.00	262.0	300.0	300.0	219.0	219.0
79	1	17	12	(17)	4	8.90	262.0	305.0	305.0	196.0	196.0
79	1	17	13	(17)	4	8.00	262.0	308.0	308.0	173.0	173.0
79	1	17	14	(17)	4	7.90	263.0	295.0	295.0	150.0	150.0
79	1	17	15	(17)	4	8.50	261.0	314.0	314.0	150.0	150.0
79	1	17	16	(17)	4	8.10	261.0	305.0	305.0	150.0	150.0
79	1	17	17	(17)	4	7.20	260.0	297.0	297.0	149.0	149.0
79	1	17	18	(17)	4	7.50	259.0	295.0	295.0	14[illegible].0	146.0
79	1	17	19	(17)	4	8.00	259.0	299.0	299.0	143.0	143.0
79	1	17	20	(17)	4	7.70	258.0	302.0	302.0	140.0	140.0
79	1	17	21	(17)	4	7.50	258.0	307.0	307.0	136.0	136.0
79	1	17	22	(17)	4	7.20	258.0	305.0	305.0	132.0	132.0
79	1	17	23	(17)	4	5.90	257.0	289.0	289.0	128.0	128.0
79	1	17	24	(17)	5	4.90	257.0	292.0	292.0	123.0	100.0
79	1	18	1	(18)	5	5.90	256.0	290.0	290.0	250.0	100.0
79	1	18	2	(18)	5	5.30	257.0	289.0	289.0	261.0	100.0
79	1	18	3	(18)	5	6.70	256.0	302.0	302.0	273.0	100.0
79	1	18	4	(18)	5	6.50	257.0	303.0	303.0	284.0	100.0
79	1	18	5	(18)	5	6.00	256.0	294.0	294.0	296.0	100.0
79	1	18	6	(18)	5	5.00	255.0	281.0	281.0	307.0	100.0
79	1	18	7	(18)	5	5.40	254.0	291.0	291.0	319.0	100.0
79	1	18	8	(18)	5	5.00	255.0	276.0	276.0	19.0	114.0
79	1	18	9	(18)	5	4.00	257.0	272.0	272.0	74.0	153.0
79	1	18	10	(18)	5	1.50	260.0	266.0	266.0	129.0	192.0
79	1	18	11	(18)	3	1.70	263.0	39.0	39.0	184.0	232.0
79	1	18	12	(18)	1	3.70	265.0	114.0	114.0	240.0	271.0
79	1	18	13	(18)	2	3.30	265.0	138.0	138.0	295.0	311.0
79	1	18	14	(18)	3	3.80	265.0	136.0	136.0	350.0	350.0
79	1	18	15	(18)	2	3.80	265.0	147.0	147.0	350.0	350.0
79	1	18	16	(18)	3	3.20	264.0	141.0	141.0	350.0	350.0
79	1	18	17	(18)	4	4.30	262.0	113.0	113.0	352.0	352.0
79	1	18	18	(18)	3	4.60	261.0	112.0	112.0	356.0	366.0
79	1	18	19	(18)	4	4.50	260.0	126.0	126.0	360.0	360.0
79	1	18	20	(18)	5	4.20	259.0	113.0	113.0	365.0	386.0
79	1	18	21	(18)	3	2.70	259.0	115.0	115.0	370.0	395.0
79	1	18	22	(18)	4	3.80	259.0	91.0	91.0	376.0	376.0
79	1	18	23	(18)	3	4.20	259.0	90.0	90.0	383.0	415.0
79	1	18	24	(18)	3	3.50	260.0	119.0	119.0	391.0	425.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	19	1	(19)	3	2.90	260.0	65.0	65.0	519.0	425.0
79	1	19	2	(19)	4	2.80	260.0	93.0	93.0	539.0	539.0
79	1	19	3	(19)	3	3.00	261.0	83.0	83.0	558.0	425.0
79	1	19	4	(19)	3	3.20	261.0	96.0	96.0	578.0	425.0
79	1	19	5	(19)	3	4.10	261.0	115.0	115.0	598.0	425.0
79	1	19	6	(19)	3	4.50	262.0	106.0	106.0	617.0	425.0
79	1	19	7	(19)	3	4.30	262.0	110.0	110.0	637.0	425.0
79	1	19	8	(19)	3	4.60	264.0	115.0	115.0	48.0	449.0
79	1	19	9	(19)	3	4.80	264.0	118.0	118.0	181.0	516.0
79	1	19	10	(19)	3	4.40	265.0	114.0	114.0	315.0	583.0
79	1	19	11	(19)	3	3.70	265.0	101.0	101.0	449.0	649.0
79	1	19	12	(19)	3	4.20	266.0	109.0	109.0	583.0	716.0
79	1	19	13	(19)	1	3.90	266.0	95.0	95.0	716.0	783.0
79	1	19	14	(19)	3	5.00	266.0	82.0	82.0	850.0	850.0
79	1	19	15	(19)	1	4.80	266.0	86.0	86.0	850.0	850.0
79	1	19	16	(19)	1	3.30	265.0	90.0	90.0	850.0	850.0
79	1	19	17	(19)	2	3.80	265.0	77.0	77.0	835.0	810.0
79	1	19	18	(19)	3	4.00	265.0	70.0	70.0	808.0	739.0
79	1	19	19	(19)	2	4.00	265.0	77.0	77.0	778.0	668.0
79	1	19	20	(19)	3	4.60	265.0	60.0	60.0	744.0	598.0
79	1	19	21	(19)	4	4.10	265.0	60.0	60.0	706.0	706.0
79	1	19	22	(19)	3	3.60	264.0	52.0	52.0	664.0	456.0
79	1	19	23	(19)	5	3.70	264.0	57.0	57.0	616.0	386.0
79	1	19	24	(19)	5	3.40	264.0	56.0	56.0	561.0	315.0
79	1	20	1	(20)	4	3.20	264.0	49.0	49.0	977.0	977.0
79	1	20	2	(20)	5	3.10	264.0	50.0	50.0	992.0	315.0
79	1	20	3	(20)	5	2.70	264.0	31.0	31.0	1007.0	315.0
79	1	20	4	(20)	2	3.00	264.0	30.0	30.0	1021.0	315.0
79	1	20	5	(20)	3	2.40	264.0	51.0	51.0	1036.0	315.0
79	1	20	6	(20)	5	2.90	264.0	39.0	39.0	1051.0	315.0
79	1	20	7	(20)	4	2.60	264.0	38.0	38.0	1066.0	1066.0
79	1	20	8	(20)	3	2.20	264.0	56.0	56.0	37.0	334.0
79	1	20	9	(20)	4	2.10	265.0	49.0	49.0	685.0	685.0
79	1	20	10	(20)	4	2.50	265.0	53.0	53.0	675.0	675.0
79	1	20	11	(20)	4	2.20	266.0	55.0	55.0	665.0	665.0
79	1	20	12	(20)	5	2.70	267.0	63.0	63.0	436.0	535.0
79	1	20	13	(20)	3	1.90	267.0	72.0	72.0	535.0	585.0
79	1	20	14	(20)	2	2.80	267.0	21.0	21.0	635.0	635.0
79	1	20	15	(20)	4	3.00	267.0	19.0	19.0	635.0	635.0
79	1	20	16	(20)	4	3.30	267.0	14.0	14.0	635.0	635.0
79	1	20	17	(20)	4	2.90	266.0	30.0	30.0	635.0	635.0
79	1	20	18	(20)	5	2.80	266.0	33.0	33.0	634.0	633.0
79	1	20	19	(20)	3	2.90	266.0	48.0	48.0	634.0	632.0
79	1	20	20	(20)	3	2.80	266.0	62.0	62.0	633.0	630.0
79	1	20	21	(20)	3	2.00	266.0	42.0	42.0	632.0	629.0
79	1	20	22	(20)	3	2.10	265.0	33.0	33.0	632.0	628.0
79	1	20	23	(20)	5	2.40	265.0	8.0	8.0	631.0	626.0
79	1	20	24	(20)	5	3.70	265.0	348.0	348.0	630.0	625.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	21	1	(21)	5	3.00	265.0	341.0	341.0	635.0	625.0
79	1	21	2	(21)	5	2.50	265.0	324.0	324.0	635.0	625.0
79	1	21	3	(21)	5	2.50	266.0	329.0	329.0	635.0	625.0
79	1	21	4	(21)	5	3.50	266.0	342.0	342.0	635.0	625.0
79	1	21	5	(21)	5	4.50	267.0	335.0	335.0	635.0	625.0
79	1	21	6	(21)	5	3.80	267.0	306.0	306.0	635.0	625.0
79	1	21	7	(21)	4	3.70	267.0	296.0	296.0	635.0	635.0
79	1	21	8	(21)	4	4.60	267.0	315.0	315.0	628.0	628.0
79	1	21	9	(21)	5	5.20	268.0	322.0	322.0	135.0	625.0
79	1	21	10	(21)	5	5.40	269.0	321.0	321.0	233.0	625.0
79	1	21	11	(21)	5	6.10	270.0	322.0	322.0	331.0	625.0
79	1	21	12	(21)	5	7.60	271.0	325.0	325.0	429.0	625.0
79	1	21	13	(21)	5	8.00	270.0	326.0	326.0	527.0	625.0
79	1	21	14	(21)	5	6.80	270.0	321.0	321.0	625.0	625.0
79	1	21	15	(21)	5	6.60	270.0	321.0	321.0	625.0	625.0
79	1	21	16	(21)	4	5.40	270.0	309.0	309.0	625.0	625.0
79	1	21	17	(21)	5	6.70	269.0	324.0	324.0	623.0	620.0
79	1	21	18	(21)	5	8.10	269.0	323.0	323.0	617.0	610.0
79	1	21	19	(21)	4	7.00	268.0	317.0	317.0	615.0	615.0
79	1	21	20	(21)	4	6.80	268.0	318.0	318.0	610.0	610.0
79	1	21	21	(21)	4	6.30	268.0	303.0	303.0	605.0	605.0
79	1	21	22	(21)	4	6.80	268.0	315.0	315.0	599.0	599.0
79	1	21	23	(21)	4	6.40	268.0	310.0	310.0	592.0	592.0
79	1	21	24	(21)	4	6.40	268.0	304.0	304.0	585.0	585.0
79	1	22	1	(22)	4	6.30	268.0	304.0	304.0	625.0	625.0
79	1	22	2	(22)	4	5.70	269.0	307.0	307.0	625.0	625.0
79	1	22	3	(22)	4	5.70	269.0	307.0	307.0	625.0	625.0
79	1	22	4	(22)	4	4.80	269.0	293.0	293.0	625.0	625.0
79	1	22	5	(22)	4	5.00	268.0	288.0	288.0	625.0	625.0
79	1	22	6	(22)	4	5.80	268.0	289.0	289.0	625.0	625.0
79	1	22	7	(22)	4	4.60	268.0	283.0	283.0	625.0	625.0
79	1	22	8	(22)	4	4.00	266.0	276.0	276.0	571.0	571.0
79	1	22	9	(22)	4	3.80	267.0	280.0	280.0	567.0	567.0
79	1	22	10	(22)	4	3.90	268.0	300.0	300.0	564.0	564.0
79	1	22	11	(22)	4	3.40	269.0	311.0	311.0	560.0	560.0
79	1	22	12	(22)	4	2.90	269.0	301.0	301.0	557.0	557.0
79	1	22	13	(22)	4	2.60	269.0	315.0	315.0	553.0	553.0
79	1	22	14	(22)	4	2.10	269.0	297.0	297.0	550.0	550.0
79	1	22	15	(22)	5	1.70	269.0	327.0	327.0	550.0	550.0
79	1	22	16	(22)	6	1.60	269.0	5.0	5.0	550.0	550.0
79	1	22	17	(22)	6	1.70	268.0	4.0	4.0	550.0	551.0
79	1	22	18	(22)	5	2.00	268.0	23.0	23.0	551.0	552.0
79	1	22	19	(22)	5	3.20	268.0	70.0	70.0	551.0	553.0
79	1	22	20	(22)	4	2.50	267.0	84.0	84.0	552.0	552.0
79	1	22	21	(22)	5	3.50	267.0	75.0	75.0	553.0	556.0
79	1	22	22	(22)	3	3.10	267.0	88.0	88.0	553.0	557.0
79	1	22	23	(22)	5	3.70	266.0	63.0	63.0	554.0	559.0
79	1	22	24	(22)	5	3.10	266.0	64.0	64.0	555.0	560.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	23	1	(23)	5	4.20	266.0	73.0	73.0	550.0	560.0
79	1	23	2	(23)	3	4.20	265.0	90.0	90.0	550.0	560.0
79	1	23	3	(23)	3	4.20	265.0	91.0	91.0	550.0	560.0
79	1	23	4	(23)	4	4.60	265.0	70.0	70.0	550.0	550.0
79	1	23	5	(23)	5	4.70	265.0	64.0	64.0	550.0	560.0
79	1	23	6	(23)	5	4.20	265.0	57.0	57.0	550.0	560.0
79	1	23	7	(23)	5	3.70	265.0	47.0	47.0	550.0	560.0
79	1	23	8	(23)	5	3.60	265.0	40.0	40.0	36.0	560.0
79	1	23	9	(23)	4	3.60	266.0	32.0	32.0	558.0	558.0
79	1	23	10	(23)	5	3.50	267.0	39.0	39.0	211.0	560.0
79	1	23	11	(23)	5	3.20	268.0	35.0	35.0	298.0	560.0
79	1	23	12	(23)	5	3.20	268.0	27.0	27.0	385.0	560.0
79	1	23	13	(23)	5	2.20	268.0	7.0	7.0	473.0	560.0
79	1	23	14	(23)	5	1.80	269.0	353.0	353.0	560.0	560.0
79	1	23	15	(23)	4	1.50	269.0	318.0	318.0	560.0	560.0
79	1	23	16	(23)	5	1.70	269.0	337.0	337.0	560.0	560.0
79	1	23	17	(23)	6	2.40	269.0	331.0	331.0	555.0	545.0
79	1	23	18	(23)	6	3.10	269.0	330.0	330.0	542.0	513.0
79	1	23	19	(23)	5	5.90	268.0	332.0	332.0	529.0	481.0
79	1	23	20	(23)	5	6.20	266.0	327.0	327.0	514.0	448.0
79	1	23	21	(23)	5	6.40	266.0	320.0	320.0	497.0	416.0
79	1	23	22	(23)	5	6.00	265.0	322.0	322.0	478.0	384.0
79	1	23	23	(23)	5	6.10	264.0	326.0	326.0	456.0	352.0
79	1	23	24	(23)	5	6.70	264.0	327.0	327.0	432.0	320.0
79	1	24	1	(24)	5	6.80	263.0	329.0	329.0	611.0	320.0
79	1	24	2	(24)	5	6.70	263.0	327.0	327.0	617.0	320.0
79	1	24	3	(24)	5	7.20	263.0	329.0	329.0	623.0	320.0
79	1	24	4	(24)	5	7.30	263.0	333.0	333.0	629.0	320.0
79	1	24	5	(24)	5	7.80	263.0	335.0	335.0	635.0	320.0
79	1	24	6	(24)	5	8.60	263.0	332.0	332.0	642.0	320.0
79	1	24	7	(24)	5	9.30	263.0	330.0	330.0	648.0	320.0
79	1	24	8	(24)	5	9.90	263.0	329.0	329.0	30.0	329.0
79	1	24	9	(24)	5	10.10	263.0	328.0	328.0	100.0	349.0
79	1	24	10	(24)	5	10.00	263.0	326.0	326.0	170.0	369.0
79	1	24	11	(24)	5	8.70	263.0	327.0	327.0	240.0	389.0
79	1	24	12	(24)	5	8.50	264.0	326.0	326.0	310.0	410.0
79	1	24	13	(24)	5	8.20	265.0	328.0	328.0	380.0	430.0
79	1	24	14	(24)	5	8.80	265.0	326.0	326.0	450.0	450.0
79	1	24	15	(24)	5	8.70	265.0	328.0	328.0	450.0	450.0
79	1	24	16	(24)	5	9.20	264.0	326.0	326.0	450.0	450.0
79	1	24	17	(24)	5	10.50	263.0	322.0	322.0	450.0	451.0
79	1	24	18	(24)	5	9.60	262.0	319.0	319.0	451.0	453.0
79	1	24	19	(24)	4	10.00	261.0	314.0	314.0	452.0	452.0
79	1	24	20	(24)	4	9.80	261.0	317.0	317.0	453.0	453.0
79	1	24	21	(24)	4	9.20	261.0	316.0	316.0	454.0	454.0
79	1	24	22	(24)	5	9.10	262.0	313.0	313.0	455.0	461.0
79	1	24	23	(24)	4	8.90	261.0	315.0	315.0	456.0	456.0
79	1	24	24	(24)	5	8.80	261.0	315.0	315.0	458.0	465.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	25	1	(25)	4	8.40	261.0	315.0	315.0	519.0	519.0
79	1	25	2	(25)	4	8.30	262.0	313.0	313.0	527.0	527.0
79	1	25	3	(25)	4	7.90	261.0	307.0	307.0	535.0	535.0
79	1	25	4	(25)	4	7.50	261.0	304.0	304.0	543.0	543.0
79	1	25	5	(25)	4	9.00	261.0	303.0	303.0	551.0	551.0
79	1	25	6	(25)	4	9.40	260.0	308.0	308.0	560.0	560.0
79	1	25	7	(25)	4	9.10	259.0	314.0	314.0	568.0	568.0
79	1	25	8	(25)	4	9.20	259.0	308.0	308.0	587.0	587.0
79	1	25	9	(25)	4	8.00	260.0	310.0	310.0	596.0	596.0
79	1	25	10	(25)	4	6.60	262.0	313.0	313.0	605.0	605.0
79	1	25	11	(25)	4	6.60	264.0	310.0	310.0	613.0	613.0
79	1	25	12	(25)	4	6.70	267.0	318.0	318.0	622.0	622.0
79	1	25	13	(25)	5	7.00	269.0	327.0	327.0	541.0	613.0
79	1	25	14	(25)	5	7.40	270.0	322.0	322.0	640.0	640.0
79	1	25	15	(25)	4	6.50	270.0	312.0	312.0	640.0	640.0
79	1	25	16	(25)	4	5.90	268.0	309.0	309.0	640.0	640.0
79	1	25	17	(25)	4	6.10	266.0	299.0	299.0	633.0	633.0
79	1	25	18	(25)	4	6.50	265.0	313.0	313.0	614.0	614.0
79	1	25	19	(25)	5	5.80	263.0	327.0	327.0	593.0	519.0
79	1	25	20	(25)	5	4.60	262.0	319.0	319.0	570.0	469.0
79	1	25	21	(25)	4	4.70	261.0	307.0	307.0	544.0	544.0
79	1	25	22	(25)	4	4.70	260.0	297.0	297.0	515.0	515.0
79	1	25	23	(25)	4	4.80	260.0	288.0	288.0	482.0	482.0
79	1	25	24	(25)	4	5.60	261.0	289.0	289.0	444.0	444.0
79	1	26	1	(26)	4	6.10	262.0	299.0	299.0	740.0	740.0
79	1	26	2	(26)	4	6.10	262.0	308.0	308.0	752.0	752.0
79	1	26	3	(26)	4	5.50	262.0	307.0	307.0	764.0	764.0
79	1	26	4	(26)	4	5.40	262.0	311.0	311.0	776.0	776.0
79	1	26	5	(26)	4	4.60	263.0	310.0	310.0	788.0	788.0
79	1	26	6	(26)	4	4.50	264.0	321.0	321.0	800.0	800.0
79	1	26	7	(26)	5	4.60	264.0	316.0	316.0	812.0	270.0
79	1	26	8	(26)	5	4.40	264.0	317.0	317.0	38.0	288.0
79	1	26	9	(26)	5	4.20	264.0	319.0	319.0	119.0	328.0
79	1	26	10	(26)	5	4.60	265.0	334.0	334.0	200.0	367.0
79	1	26	11	(26)	5	4.20	266.0	342.0	342.0	281.0	407.0
79	1	26	12	(26)	5	3.40	268.0	337.0	337.0	363.0	446.0
79	1	26	13	(26)	5	3.10	268.0	353.0	353.0	444.0	486.0
79	1	26	14	(26)	5	2.60	269.0	4.0	4.0	525.0	525.0
79	1	26	15	(26)	5	3.00	269.0	358.0	358.0	525.0	525.0
79	1	26	16	(26)	5	3.10	269.0	336.0	336.0	525.0	525.0
79	1	26	17	(26)	5	2.80	268.0	354.0	354.0	522.0	518.0
79	1	26	18	(26)	5	3.20	268.0	346.0	346.0	516.0	499.0
79	1	26	19	(26)	5	3.80	268.0	338.0	338.0	508.0	481.0
79	1	26	20	(26)	5	3.30	267.0	335.0	335.0	500.0	463.0
79	1	26	21	(26)	5	3.50	267.0	336.0	336.0	490.0	445.0
79	1	26	22	(26)	5	3.40	267.0	316.0	316.0	479.0	426.0
79	1	26	23	(26)	5	4.30	267.0	313.0	313.0	467.0	408.0
79	1	26	24	(26)	5	5.20	267.0	320.0	320.0	454.0	390.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	27	1	(27)	5	6.10	267.0	334.0	334.0	525.0	390.0
79	1	27	2	(27)	6	5.90	267.0	335.0	335.0	525.0	390.0
79	1	27	3	(27)	6	5.70	267.0	338.0	338.0	525.0	390.0
79	1	27	4	(27)	6	5.40	267.0	338.0	338.0	525.0	390.0
79	1	27	5	(27)	6	4.80	267.0	331.0	331.0	525.0	390.0
79	1	27	6	(27)	5	3.90	267.0	319.0	319.0	525.0	390.0
79	1	27	7	(27)	5	3.60	267.0	314.0	314.0	525.0	390.0
79	1	27	8	(27)	5	3.50	267.0	311.0	311.0	29.0	390.0
79	1	27	9	(27)	5	3.40	268.0	334.0	334.0	89.0	390.0
79	1	27	10	(27)	5	2.50	269.0	353.0	353.0	149.0	390.0
79	1	27	11	(27)	5	2.90	270.0	9.0	9.0	210.0	390.0
79	1	27	12	(27)	5	4.90	270.0	29.0	29.0	270.0	390.0
79	1	27	13	(27)	5	5.00	271.0	22.0	22.0	330.0	390.0
79	1	27	14	(27)	5	4.60	271.0	8.0	8.0	390.0	390.0
79	1	27	15	(27)	5	4.60	270.0	12.0	12.0	390.0	390.0
79	1	27	16	(27)	4	5.30	270.0	11.0	11.0	390.0	390.0
79	1	27	17	(27)	5	6.30	270.0	17.0	17.0	392.0	396.0
79	1	27	18	(27)	5	6.20	270.0	19.0	19.0	398.0	410.0
79	1	27	19	(27)	5	5.10	269.0	19.0	19.0	404.0	425.0
79	1	27	20	(27)	5	5.00	270.0	20.0	20.0	411.0	440.0
79	1	27	21	(27)	5	4.90	270.0	13.0	13.0	418.0	455.0
79	1	27	22	(27)	5	5.20	270.0	15.0	15.0	427.0	470.0
79	1	27	23	(27)	5	6.50	270.0	11.0	11.0	437.0	485.0
79	1	27	24	(27)	5	5.00	270.0	355.0	355.0	446.0	500.0
79	1	28	1	(28)	5	4.90	270.0	345.0	345.0	390.0	500.0
79	1	28	2	(28)	5	5.50	270.0	338.0	338.0	390.0	500.0
79	1	28	3	(28)	5	5.80	270.0	335.0	335.0	390.0	500.0
79	1	28	4	(28)	5	5.90	270.0	335.0	335.0	390.0	500.0
79	1	28	5	(28)	5	5.50	270.0	335.0	335.0	390.0	500.0
79	1	28	6	(28)	5	5.70	270.0	340.0	340.0	390.0	500.0
79	1	28	7	(28)	5	5.40	270.0	355.0	355.0	390.0	500.0
79	1	28	8	(28)	5	5.90	270.0	356.0	356.0	39.0	500.0
79	1	28	9	(28)	5	5.90	270.0	355.0	355.0	116.0	500.0
79	1	28	10	(28)	5	5.70	270.0	360.0	360.0	192.0	500.0
79	1	28	11	(28)	5	6.00	270.0	356.0	356.0	269.0	500.0
79	1	28	12	(28)	5	7.60	270.0	359.0	359.0	346.0	500.0
79	1	28	13	(28)	5	8.00	269.0	354.0	354.0	423.0	500.0
79	1	28	14	(28)	5	7.60	269.0	343.0	343.0	500.0	500.0
79	1	28	15	(28)	5	7.80	269.0	345.0	345.0	500.0	500.0
79	1	28	16	(28)	5	7.60	268.0	346.0	346.0	500.0	500.0
79	1	28	17	(28)	5	6.80	268.0	343.0	343.0	504.0	511.0
79	1	28	18	(28)	5	6.60	268.0	328.0	328.0	515.0	542.0
79	1	28	19	(28)	5	6.20	267.0	321.0	321.0	528.0	573.0
79	1	28	20	(28)	5	6.00	267.0	316.0	316.0	543.0	605.0
79	1	28	21	(28)	4	5.60	267.0	314.0	314.0	559.0	559.0
79	1	28	22	(28)	4	5.30	267.0	314.0	314.0	577.0	577.0
79	1	28	23	(28)	4	5.30	267.0	313.0	313.0	597.0	597.0
79	1	28	24	(28)	4	6.30	267.0	309.0	309.0	621.0	621.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	29	1	(29)	4	6.30	267.0	307.0	307.0	562.0	562.0
79	1	29	2	(29)	4	6.10	266.0	303.0	303.0	570.0	570.0
79	1	29	3	(29)	4	5.90	266.0	305.0	305.0	577.0	577.0
79	1	29	4	(29)	4	6.00	266.0	306.0	306.0	585.0	585.0
79	1	29	5	(29)	4	6.10	266.0	312.0	312.0	592.0	592.0
79	1	29	6	(29)	4	5.20	266.0	308.0	308.0	600.0	600.0
79	1	29	7	(29)	4	5.10	265.0	313.0	313.0	607.0	607.0
79	1	29	8	(29)	5	5.40	265.0	316.0	316.0	71.0	743.0
79	1	29	9	(29)	5	5.50	266.0	314.0	314.0	208.0	767.0
79	1	29	10	(29)	4	5.50	266.0	307.0	307.0	817.0	817.0
79	1	29	11	(29)	4	5.60	267.0	310.0	310.0	835.0	835.0
79	1	29	12	(29)	5	6.10	267.0	316.0	316.0	617.0	841.0
79	1	29	13	(29)	4	5.40	268.0	305.0	305.0	872.0	872.0
79	1	29	14	(29)	4	5.80	268.0	312.0	312.0	890.0	890.0
79	1	29	15	(29)	4	4.70	269.0	306.0	306.0	890.0	890.0
79	1	29	16	(29)	4	4.80	268.0	304.0	304.0	890.0	890.0
79	1	29	17	(29)	5	4.80	268.0	320.0	320.0	886.0	879.0
79	1	29	18	(29)	5	4.50	267.0	317.0	317.0	871.0	847.0
79	1	29	19	(29)	5	3.30	266.0	308.0	308.0	861.0	814.0
79	1	29	20	(29)	5	4.00	266.0	336.0	336.0	846.0	781.0
79	1	29	21	(29)	5	5.00	265.0	329.0	329.0	829.0	748.0
79	1	29	22	(29)	4	4.60	264.0	296.0	296.0	810.0	810.0
79	1	29	23	(29)	4	4.60	263.0	286.0	286.0	789.0	789.0
79	1	29	24	(29)	5	4.40	263.0	284.0	284.0	764.0	650.0
79	1	30	1	(30)	5	5.40	262.0	289.0	289.0	948.0	650.0
79	1	30	2	(30)	4	5.60	261.0	282.0	282.0	955.0	955.0
79	1	30	3	(30)	4	5.80	261.0	297.0	297.0	963.0	963.0
79	1	30	4	(30)	4	6.20	260.0	296.0	296.0	970.0	970.0
79	1	30	5	(30)	4	6.00	260.0	294.0	294.0	977.0	977.0
79	1	30	6	(30)	5	5.80	259.0	289.0	289.0	984.0	650.0
79	1	30	7	(30)	5	5.00	259.0	280.0	280.0	991.0	650.0
79	1	30	8	(30)	4	5.20	260.0	288.0	288.0	825.0	825.0
79	1	30	9	(30)	4	5.20	261.0	299.0	299.0	821.0	821.0
79	1	30	10	(30)	4	5.00	263.0	301.0	301.0	817.0	817.0
79	1	30	11	(30)	4	3.80	265.0	307.0	307.0	813.0	813.0
79	1	30	12	(30)	4	4.00	266.0	312.0	312.0	808.0	808.0
79	1	30	13	(30)	5	4.90	267.0	337.0	337.0	678.0	777.0
79	1	30	14	(30)	5	4.50	267.0	360.0	360.0	800.0	800.0
79	1	30	15	(30)	5	5.00	267.0	347.0	347.0	800.0	800.0
79	1	30	16	(30)	5	3.30	267.0	359.0	359.0	800.0	800.0
79	1	30	17	(30)	5	3.80	266.0	2.0	2.0	797.0	792.0
79	1	30	18	(30)	5	3.40	266.0	346.0	346.0	788.0	766.0
79	1	30	19	(30)	5	4.30	266.0	352.0	352.0	777.0	740.0
79	1	30	20	(30)	5	4.40	265.0	338.0	338.0	765.0	714.0
79	1	30	21	(30)	5	4.90	265.0	329.0	329.0	752.0	688.0
79	1	30	22	(30)	5	5.50	265.0	317.0	317.0	737.0	662.0
79	1	30	23	(30)	5	5.30	264.0	319.0	319.0	720.0	636.0
79	1	30	24	(30)	5	5.30	264.0	315.0	315.0	701.0	610.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	1	31	1	(31)	5	5.60	264.0	321.0	321.0	1049.0	610.0
79	1	31	2	(31)	5	5.80	263.0	321.0	321.0	1079.0	610.0
79	1	31	3	(31)	5	6.30	263.0	320.0	320.0	1109.0	610.0
79	1	31	4	(31)	5	5.80	263.0	315.0	315.0	1139.0	610.0
79	1	31	5	(31)	5	5.80	263.0	319.0	319.0	1169.0	610.0
79	1	31	6	(31)	5	5.60	263.0	318.0	318.0	1199.0	610.0
79	1	31	7	(31)	5	6.10	263.0	321.0	321.0	1229.0	610.0
79	1	31	8	(31)	5	6.10	263.0	322.0	322.0	107.0	665.0
79	1	31	9	(31)	5	6.30	263.0	323.0	323.0	298.0	762.0
79	1	31	10	(31)	5	6.70	265.0	326.0	326.0	488.0	860.0
79	1	31	11	(31)	5	6.30	266.0	335.0	335.0	679.0	957.0
79	1	31	12	(31)	5	7.10	267.0	337.0	337.0	869.0	1055.0
79	1	31	13	(31)	5	7.10	267.0	331.0	331.0	1060.0	1152.0
79	1	31	14	(31)	5	7.10	266.0	323.0	323.0	1250.0	1250.0
79	1	31	15	(31)	5	6.80	265.0	331.0	331.0	1250.0	1250.0
79	1	31	16	(31)	5	6.70	265.0	333.0	333.0	1250.0	1250.0
79	1	31	17	(31)	5	6.20	264.0	328.0	328.0	1236.0	1208.0
79	1	31	18	(31)	5	5.90	262.0	314.0	314.0	1179.0	1054.0
79	1	31	19	(31)	4	6.30	261.0	313.0	313.0	1116.0	1116.0
79	1	31	20	(31)	5	5.80	260.0	322.0	322.0	1046.0	744.0
79	1	31	21	(31)	5	5.80	261.0	319.0	319.0	967.0	589.0
79	1	31	22	(31)	4	5.20	261.0	310.0	310.0	880.0	880.0
79	1	31	23	(31)	4	4.70	261.0	303.0	303.0	780.0	780.0
79	1	31	24	(31)	4	5.40	260.0	303.0	303.0	666.0	666.0
79	2	1	1	(32)	4	6.80	260.0	299.0	299.0	1483.0	1483.0
79	2	1	2	(32)	4	7.00	259.0	307.0	307.0	1511.0	1511.0
79	2	1	3	(32)	4	6.70	259.0	305.0	305.0	1539.0	1539.0
79	2	1	4	(32)	4	5.50	258.0	300.0	300.0	1568.0	1568.0
79	2	1	5	(32)	4	5.70	258.0	297.0	297.0	1596.0	1596.0
79	2	1	6	(32)	4	5.90	257.0	306.0	306.0	1624.0	1624.0
79	2	1	7	(32)	4	5.70	257.0	307.0	307.0	1652.0	1652.0
79	2	1	8	(32)	4	5.60	257.0	305.0	305.0	873.0	873.0
79	2	1	9	(32)	4	5.00	259.0	311.0	311.0	849.0	849.0
79	2	1	10	(32)	4	3.00	262.0	317.0	317.0	824.0	824.0
79	2	1	11	(32)	4	3.00	262.0	295.0	295.0	799.0	799.0
79	2	1	12	(32)	4	2.90	264.0	310.0	310.0	774.0	774.0
79	2	1	13	(32)	4	2.80	265.0	329.0	329.0	750.0	750.0
79	2	1	14	(32)	5	1.70	266.0	337.0	337.0	725.0	725.0
79	2	1	15	(32)	4	2.20	266.0	302.0	302.0	725.0	725.0
79	2	1	16	(32)	4	2.00	265.0	284.0	284.0	725.0	725.0
79	2	1	17	(32)	5	1.90	264.0	287.0	287.0	723.0	719.0
79	2	1	18	(32)	6	2.10	263.0	311.0	311.0	714.0	695.0
79	2	1	19	(32)	4	2.80	262.0	11.0	11.0	704.0	704.0
79	2	1	20	(32)	5	3.10	259.0	310.0	310.0	693.0	647.0
79	2	1	21	(32)	4	3.70	258.0	349.0	349.0	681.0	681.0
79	2	1	22	(32)	5	3.40	256.0	284.0	284.0	668.0	598.0
79	2	1	23	(32)	6	1.00	255.0	292.0	292.0	652.0	574.0
79	2	1	24	(32)	6	0.90	255.0	286.0	286.0	634.0	550.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	2	1	(33)	6	1.10	256.0	299.0	299.0	810.0	550.0
79	2	2	2	(33)	6	1.50	255.0	269.0	269.0	821.0	550.0
79	2	2	3	(33)	6	2.10	255.0	283.0	283.0	831.0	550.0
79	2	2	4	(33)	5	2.20	255.0	288.0	288.0	841.0	550.0
79	2	2	5	(33)	4	2.40	255.0	273.0	273.0	852.0	852.0
79	2	2	6	(33)	6	2.40	255.0	281.0	281.0	862.0	550.0
79	2	2	7	(33)	6	2.30	254.0	287.0	287.0	872.0	550.0
79	2	2	8	(33)	6	2.30	254.0	290.0	290.0	70.0	570.0
79	2	2	9	(33)	6	2.00	256.0	291.0	291.0	187.0	603.0
79	2	2	10	(33)	5	1.00	261.0	57.0	57.0	304.0	637.0
79	2	2	11	(33)	2	1.60	263.0	113.0	113.0	420.0	670.0
79	2	2	12	(33)	3	2.30	264.0	127.0	127.0	537.0	703.0
79	2	2	13	(33)	2	2.10	265.0	113.0	113.0	653.0	737.0
79	2	2	14	(33)	2	2.20	265.0	127.0	127.0	770.0	770.0
79	2	2	15	(33)	1	2.40	265.0	175.0	175.0	770.0	770.0
79	2	2	16	(33)	3	2.90	265.0	179.0	179.0	770.0	770.0
79	2	2	17	(33)	4	2.70	264.0	168.0	168.0	763.0	763.0
79	2	2	18	(33)	4	2.80	262.0	102.0	102.0	720.0	728.0
79	2	2	19	(33)	4	3.00	261.0	92.0	92.0	690.0	690.0
79	2	2	20	(33)	5	1.70	260.0	3.0	3.0	647.0	462.0
79	2	2	21	(33)	5	2.10	260.0	265.0	265.0	599.0	367.0
79	2	2	22	(33)	5	3.70	259.0	229.0	229.0	545.0	271.0
79	2	2	23	(33)	5	4.00	260.0	267.0	267.0	484.0	176.0
79	2	2	24	(33)	4	3.40	260.0	295.0	295.0	414.0	414.0
79	2	3	1	(34)	5	2.20	258.0	251.0	251.0	907.0	80.0
79	2	3	2	(34)	6	3.20	257.0	293.0	293.0	924.0	80.0
79	2	3	3	(34)	5	3.10	257.0	298.0	298.0	941.0	80.0
79	2	3	4	(34)	5	2.90	257.0	299.0	299.0	957.0	80.0
79	2	3	5	(34)	6	2.40	256.0	284.0	284.0	974.0	80.0
79	2	3	6	(34)	5	2.20	256.0	302.0	302.0	991.0	80.0
79	2	3	7	(34)	5	2.20	257.0	285.0	285.0	1008.0	80.0
79	2	3	8	(34)	5	1.90	257.0	285.0	285.0	41.0	114.0
79	2	3	9	(34)	5	1.70	259.0	280.0	280.0	107.0	167.0
79	2	3	10	(34)	4	1.30	261.0	278.0	278.0	498.0	498.0
79	2	3	11	(34)	4	1.70	263.0	314.0	314.0	482.0	482.0
79	2	3	12	(34)	5	1.60	264.0	343.0	343.0	304.0	328.0
79	2	3	13	(34)	5	1.70	264.0	303.0	303.0	369.0	381.0
79	2	3	14	(34)	3	1.40	265.0	221.0	221.0	435.0	435.0
79	2	3	15	(34)	4	0.90	265.0	29.0	29.0	435.0	435.0
79	2	3	16	(34)	3	1.90	265.0	110.0	110.0	435.0	435.0
79	2	3	17	(34)	5	2.00	264.0	78.0	78.0	434.0	432.0
79	2	3	18	(34)	5	2.60	263.0	98.0	98.0	428.0	415.0
79	2	3	19	(34)	4	3.40	263.0	170.0	170.0	421.0	421.0
79	2	3	20	(34)	4	2.20	262.0	186.0	186.0	414.0	414.0
79	2	3	21	(34)	4	2.70	262.0	191.0	191.0	405.0	405.0
79	2	3	22	(34)	5	3.70	262.0	243.0	243.0	396.0	348.0
79	2	3	23	(34)	4	4.60	262.0	256.0	256.0	385.0	385.0
79	2	3	24	(34)	4	5.30	261.0	268.0	268.0	373.0	373.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	4	1	(35)	4	5.90	261.0	276.0	276.0	551.0	551.0
79	2	4	2	(35)	4	7.10	260.0	286.0	286.0	565.0	565.0
79	2	4	3	(35)	4	8.10	259.0	291.0	291.0	579.0	579.0
79	2	4	4	(35)	4	7.90	259.0	298.0	298.0	593.0	593.0
79	2	4	5	(35)	4	7.10	259.0	292.0	292.0	607.0	607.0
79	2	4	6	(35)	4	9.60	258.0	306.0	306.0	622.0	622.0
79	2	4	7	(35)	4	8.90	258.0	301.0	301.0	636.0	636.0
79	2	4	8	(35)	4	9.50	257.0	306.0	306.0	564.0	564.0
79	2	4	9	(35)	4	10.30	257.0	303.0	303.0	572.0	572.0
79	2	4	10	(35)	4	10.50	258.0	304.0	304.0	581.0	581.0
79	2	4	11	(35)	4	10.50	258.0	308.0	308.0	589.0	589.0
79	2	4	12	(35)	4	9.40	258.0	304.0	304.0	598.0	598.0
79	2	4	13	(35)	4	8.40	258.0	304.0	304.0	606.0	606.0
79	2	4	14	(35)	4	9.50	258.0	305.0	305.0	615.0	615.0
79	2	4	15	(35)	4	8.90	257.0	297.0	297.0	615.0	615.0
79	2	4	16	(35)	4	8.60	256.0	301.0	301.0	615.0	615.0
79	2	4	17	(35)	4	8.70	255.0	301.0	301.0	612.0	612.0
79	2	4	18	(35)	4	7.70	254.0	309.0	309.0	591.0	591.0
79	2	4	19	(35)	4	8.10	252.0	309.0	309.0	568.0	568.0
79	2	4	20	(35)	4	7.50	251.0	304.0	304.0	542.0	542.0
79	2	4	21	(35)	4	7.50	251.0	299.0	299.0	513.0	513.0
79	2	4	22	(35)	4	7.00	250.0	297.0	297.0	481.0	481.0
79	2	4	23	(35)	4	6.90	249.0	297.0	297.0	444.0	444.0
79	2	4	24	(35)	4	7.00	249.0	297.0	297.0	405.0	403.0
79	2	5	1	(36)	4	7.90	248.0	299.0	299.0	833.0	833.0
79	2	5	2	(36)	4	7.90	248.0	303.0	303.0	859.0	859.0
79	2	5	3	(36)	4	6.60	247.0	291.0	291.0	886.0	886.0
79	2	5	4	(36)	4	5.70	247.0	281.0	281.0	913.0	913.0
79	2	5	5	(36)	4	5.80	247.0	292.0	292.0	939.0	939.0
79	2	5	6	(36)	4	5.10	247.0	290.0	290.0	966.0	966.0
79	2	5	7	(36)	4	3.80	247.0	285.0	285.0	993.0	993.0
79	2	5	8	(36)	4	3.90	247.0	288.0	288.0	722.0	722.0
79	2	5	9	(36)	4	3.00	248.0	297.0	297.0	730.0	730.0
79	2	5	10	(36)	4	1.60	250.0	290.0	290.0	737.0	737.0
79	2	5	11	(36)	3	1.50	251.0	295.0	295.0	421.0	511.0
79	2	5	12	(36)	3	1.50	252.0	261.0	261.0	536.0	596.0
79	2	5	13	(36)	3	1.60	253.0	227.0	227.0	650.0	680.0
79	2	5	14	(36)	3	1.20	254.0	177.0	177.0	765.0	765.0
79	2	5	15	(36)	3	2.30	255.0	125.0	125.0	765.0	765.0
79	2	5	16	(36)	4	2.50	254.0	135.0	135.0	765.0	765.0
79	2	5	17	(36)	4	3.40	254.0	125.0	125.0	764.0	764.0
79	2	5	18	(36)	4	3.80	254.0	148.0	148.0	756.0	756.0
79	2	5	19	(36)	4	3.40	253.0	143.0	143.0	746.0	746.0
79	2	5	20	(36)	4	3.30	253.0	141.0	141.0	736.0	736.0
79	2	5	21	(36)	3	3.20	253.0	139.0	139.0	725.0	669.0
79	2	5	22	(36)	4	3.40	252.0	125.0	125.0	712.0	712.0
79	2	5	23	(36)	4	3.20	252.0	120.0	120.0	697.0	697.0
79	2	5	24	(36)	3	3.30	252.0	121.0	121.0	681.0	600.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	6	1	(37)	3	3.40	252.0	126.0	126.0	796.0	600.0
79	2	6	2	(37)	4	2.30	252.0	119.0	119.0	800.0	800.0
79	2	6	3	(37)	4	2.30	252.0	119.0	119.0	803.0	803.0
79	2	6	4	(37)	4	2.10	253.0	112.0	112.0	807.0	807.0
79	2	6	5	(37)	4	1.30	253.0	95.0	95.0	811.0	811.0
79	2	6	6	(37)	4	1.30	253.0	99.0	99.0	815.0	815.0
79	2	6	7	(37)	4	1.30	253.0	94.0	94.0	818.0	818.0
79	2	6	8	(37)	4	0.90	254.0	74.0	74.0	704.0	704.0
79	2	6	9	(37)	4	0.60	255.0	234.0	234.0	700.0	700.0
79	2	6	10	(37)	4	1.40	256.0	209.0	209.0	696.0	696.0
79	2	6	11	(37)	2	1.00	257.0	251.0	251.0	375.0	644.0
79	2	6	12	(37)	3	1.50	258.0	333.0	333.0	477.0	656.0
79	2	6	13	(37)	3	2.00	259.0	314.0	314.0	578.0	668.0
79	2	6	14	(37)	4	2.20	260.0	332.0	332.0	680.0	680.0
79	2	6	15	(37)	4	1.50	260.0	347.0	347.0	680.0	680.0
79	2	6	16	(37)	4	1.10	260.0	346.0	346.0	680.0	680.0
79	2	6	17	(37)	4	0.70	260.0	60.0	60.0	680.0	680.0
79	2	6	18	(37)	5	0.00	260.0	148.0	148.0	680.0	681.0
79	2	6	19	(37)	5	0.00	260.0	175.0	175.0	681.0	681.0
79	2	6	20	(37)	5	1.10	260.0	236.0	236.0	681.0	682.0
79	2	6	21	(37)	5	2.30	260.0	324.0	324.0	681.0	683.0
79	2	6	22	(37)	5	2.30	260.0	315.0	315.0	682.0	684.0
79	2	6	23	(37)	5	2.30	259.0	311.0	311.0	682.0	684.0
79	2	6	24	(37)	4	2.40	259.0	303.0	303.0	683.0	683.0
79	2	7	1	(38)	4	2.60	259.0	307.0	307.0	900.0	900.0
79	2	7	2	(38)	4	3.10	259.0	294.0	294.0	928.0	928.0
79	2	7	3	(38)	4	3.10	258.0	280.0	280.0	955.0	955.0
79	2	7	4	(38)	4	3.30	258.0	246.0	246.0	982.0	982.0
79	2	7	5	(38)	5	3.90	258.0	248.0	248.0	1010.0	685.0
79	2	7	6	(38)	4	4.10	257.0	266.0	266.0	1037.0	1037.0
79	2	7	7	(38)	4	5.20	256.0	278.0	278.0	1064.0	1064.0
79	2	7	8	(38)	4	5.10	256.0	278.0	278.0	1095.0	1095.0
79	2	7	9	(38)	4	4.90	257.0	280.0	280.0	1122.0	1122.0
79	2	7	10	(38)	4	5.50	259.0	312.0	312.0	1150.0	1150.0
79	2	7	11	(38)	4	7.10	262.0	315.0	315.0	1177.0	1177.0
79	2	7	12	(38)	4	7.60	262.0	316.0	316.0	1205.0	1205.0
79	2	7	13	(38)	5	10.50	262.0	324.0	324.0	1072.0	1174.0
79	2	7	14	(38)	5	10.00	261.0	327.0	327.0	1260.0	1260.0
79	2	7	15	(38)	5	9.80	260.0	326.0	326.0	1260.0	1260.0
79	2	7	16	(38)	5	9.70	258.0	325.0	325.0	1260.0	1260.0
79	2	7	17	(38)	5	9.30	256.0	323.0	323.0	1256.0	1248.0
79	2	7	18	(38)	5	9.00	255.0	318.0	318.0	1203.0	1099.0
79	2	7	19	(38)	4	8.30	253.0	312.0	312.0	1145.0	1145.0
79	2	7	20	(38)	4	8.10	252.0	311.0	311.0	1080.0	1080.0
79	2	7	21	(38)	4	7.90	252.0	306.0	306.0	1008.0	1008.0
79	2	7	22	(38)	4	8.90	251.0	312.0	312.0	926.0	926.0
79	2	7	23	(38)	4	8.80	251.0	308.0	308.0	834.0	834.0
79	2	7	24	(38)	4	8.50	251.0	309.0	309.0	729.0	729.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	8	1	(39)	4	8.50	251.0	313.0	313.0	1645.0	1645.0
79	2	8	2	(39)	4	8.10	251.0	306.0	306.0	1692.0	1692.0
79	2	8	3	(39)	4	7.50	250.0	299.0	299.0	1740.0	1740.0
79	2	8	4	(39)	4	7.20	250.0	295.0	295.0	1788.0	1788.0
79	2	8	5	(39)	4	7.80	250.0	305.0	305.0	1835.0	1835.0
79	2	8	6	(39)	4	7.60	250.0	306.0	306.0	1883.0	1883.0
79	2	8	7	(39)	4	7.00	250.0	299.0	299.0	1931.0	1931.0
79	2	8	8	(39)	4	8.20	251.0	314.0	314.0	1228.0	1228.0
79	2	8	9	(39)	5	8.30	253.0	320.0	320.0	314.0	470.0
79	2	8	10	(39)	5	7.50	256.0	334.0	334.0	494.0	619.0
79	2	8	11	(39)	5	8.50	258.0	340.0	340.0	674.0	768.0
79	2	8	12	(39)	5	9.00	258.0	345.0	345.0	855.0	917.0
79	2	8	13	(39)	5	8.00	259.0	345.0	345.0	1035.0	1066.0
79	2	8	14	(39)	5	8.30	259.0	344.0	344.0	1215.0	1215.0
79	2	8	15	(39)	5	7.50	258.0	344.0	344.0	1215.0	1215.0
79	2	8	16	(39)	5	7.30	258.0	345.0	345.0	1215.0	1215.0
79	2	8	17	(39)	5	6.70	256.0	335.0	335.0	1212.0	1206.0
79	2	8	18	(39)	5	7.00	255.0	326.0	326.0	1155.0	1044.0
79	2	8	19	(39)	5	6.30	253.0	327.0	327.0	1091.0	881.0
79	2	8	20	(39)	5	5.30	252.0	304.0	304.0	1021.0	719.0
79	2	8	21	(39)	4	6.20	251.0	306.0	306.0	942.0	942.0
79	2	8	22	(39)	5	5.90	250.0	310.0	310.0	853.0	395.0
79	2	8	23	(39)	5	6.00	249.0	304.0	304.0	753.0	232.0
79	2	8	24	(39)	4	5.50	249.0	296.0	296.0	636.0	638.0
79	2	9	1	(40)	4	5.40	249.0	292.0	292.0	1519.0	1519.0
79	2	9	2	(40)	4	4.40	248.0	282.0	282.0	1556.0	1556.0
79	2	9	3	(40)	5	4.20	248.0	278.0	278.0	1594.0	70.0
79	2	9	4	(40)	5	4.60	248.0	274.0	274.0	1632.0	70.0
79	2	9	5	(40)	5	3.80	247.0	282.0	282.0	1670.0	70.0
79	2	9	6	(40)	5	4.30	247.0	271.0	271.0	1708.0	70.0
79	2	9	7	(40)	5	6.70	246.0	283.0	283.0	1745.0	70.0
79	2	9	8	(40)	5	6.70	248.0	274.0	274.0	98.0	160.0
79	2	9	9	(40)	4	4.00	251.0	270.0	270.0	948.0	948.0
79	2	9	10	(40)	4	3.40	254.0	265.0	265.0	932.0	932.0
79	2	9	11	(40)	4	3.80	257.0	258.0	258.0	915.0	915.0
79	2	9	12	(40)	4	4.90	258.0	237.0	237.0	898.0	898.0
79	2	9	13	(40)	4	4.90	259.0	241.0	241.0	882.0	882.0
79	2	9	14	(40)	4	5.50	260.0	251.0	251.0	865.0	865.0
79	2	9	15	(40)	4	5.30	261.0	265.0	265.0	865.0	865.0
79	2	9	16	(40)	4	4.90	261.0	285.0	285.0	865.0	865.0
79	2	9	17	(40)	4	4.30	260.0	290.0	290.0	864.0	864.0
79	2	9	18	(40)	5	7.30	258.0	319.0	319.0	834.0	778.0
79	2	9	19	(40)	5	8.00	255.0	333.0	333.0	801.0	693.0
79	2	9	20	(40)	5	6.20	254.0	320.0	320.0	765.0	609.0
79	2	9	21	(40)	4	5.40	253.0	301.0	301.0	724.0	724.0
79	2	9	22	(40)	4	5.50	252.0	297.0	297.0	678.0	678.0
79	2	9	23	(40)	4	5.50	251.0	308.0	308.0	626.0	626.0
79	2	9	24	(40)	4	5.30	251.0	309.0	309.0	566.0	566.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	10	1	(41)	4	5.30	250.0	309.0	309.0	1109.0	1109.0
79	2	10	2	(41)	4	6.40	249.0	296.0	296.0	1139.0	1139.0
79	2	10	3	(41)	4	6.70	249.0	300.0	300.0	1170.0	1170.0
79	2	10	4	(41)	4	7.00	249.0	307.0	307.0	1200.0	1200.0
79	2	10	5	(41)	4	8.30	249.0	306.0	306.0	1231.0	1231.0
79	2	10	6	(41)	4	7.90	249.0	310.0	310.0	1261.0	1261.0
79	2	10	7	(41)	5	7.60	249.0	312.0	312.0	1292.0	270.0
79	2	10	8	(41)	4	6.50	250.0	307.0	307.0	897.0	897.0
79	2	10	9	(41)	4	5.80	252.0	315.0	315.0	899.0	899.0
79	2	10	10	(41)	5	4.60	254.0	332.0	332.0	374.0	533.0
79	2	10	11	(41)	5	2.50	257.0	353.0	353.0	508.0	627.0
79	2	10	12	(41)	3	1.90	258.0	2.0	2.0	642.0	722.0
79	2	10	13	(41)	1	2.00	259.0	20.0	20.0	776.0	816.0
79	2	10	14	(41)	1	2.30	260.0	7.0	7.0	910.0	910.0
79	2	10	15	(41)	4	2.30	260.0	60.0	60.0	910.0	910.0
79	2	10	16	(41)	2	2.00	259.0	43.0	43.0	910.0	910.0
79	2	10	17	(41)	2	2.10	259.0	64.0	64.0	910.0	910.0
79	2	10	18	(41)	4	4.20	257.0	73.0	73.0	873.0	873.0
79	2	10	19	(41)	2	3.40	256.0	101.0	101.0	832.0	698.0
79	2	10	20	(41)	3	3.20	255.0	86.0	86.0	787.0	593.0
79	2	10	21	(41)	4	3.00	255.0	95.0	95.0	736.0	736.0
79	2	10	22	(41)	4	2.20	255.0	70.0	70.0	679.0	679.0
79	2	10	23	(41)	4	3.60	254.0	75.0	75.0	614.0	614.0
79	2	10	24	(41)	3	3.20	255.0	65.0	65.0	540.0	170.0
79	2	11	1	(42)	2	3.30	255.0	63.0	63.0	1182.0	170.0
79	2	11	2	(42)	2	3.60	254.0	65.0	65.0	1216.0	170.0
79	2	11	3	(42)	3	3.00	254.0	71.0	71.0	1250.0	170.0
79	2	11	4	(42)	2	3.10	254.0	70.0	70.0	1284.0	170.0
79	2	11	5	(42)	3	2.50	254.0	70.0	70.0	1318.0	170.0
79	2	11	6	(42)	3	2.00	254.0	88.0	88.0	1352.0	170.0
79	2	11	7	(42)	4	1.60	255.0	335.0	335.0	1386.0	1386.0
79	2	11	8	(42)	5	1.30	255.0	314.0	314.0	106.0	256.0
79	2	11	9	(42)	4	1.10	257.0	46.0	46.0	891.0	891.0
79	2	11	10	(42)	4	1.40	259.0	37.0	37.0	890.0	890.0
79	2	11	11	(42)	2	3.10	263.0	173.0	173.0	496.0	570.0
79	2	11	12	(42)	3	3.80	263.0	177.0	177.0	625.0	675.0
79	2	11	13	(42)	3	4.10	264.0	191.0	191.0	755.0	780.0
79	2	11	14	(42)	4	2.90	264.0	200.0	200.0	885.0	885.0
79	2	11	15	(42)	4	3.40	265.0	220.0	220.0	885.0	885.0
79	2	11	16	(42)	4	2.40	265.0	195.0	195.0	885.0	885.0
79	2	11	17	(42)	4	1.90	264.0	166.0	166.0	885.0	885.0
79	2	11	18	(42)	3	2.90	263.0	139.0	139.0	851.0	786.0
79	2	11	19	(42)	2	2.50	263.0	122.0	122.0	812.0	685.0
79	2	11	20	(42)	4	2.40	262.0	154.0	154.0	768.0	768.0
79	2	11	21	(42)	5	1.10	261.0	65.0	65.0	720.0	483.0
79	2	11	22	(42)	6	0.70	261.0	54.0	54.0	666.0	382.0
79	2	11	23	(42)	5	5.50	260.0	336.0	336.0	604.0	281.0
79	2	11	24	(42)	4	4.50	260.0	7.0	7.0	534.0	534.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	12	1	(43)	5	3.70	260.0	352.0	352.0	978.0	180.0
79	2	12	2	(43)	5	4.30	260.0	360.0	360.0	990.0	180.0
79	2	12	3	(43)	5	3.90	259.0	357.0	357.0	1001.0	180.0
79	2	12	4	(43)	5	3.70	258.0	337.0	337.0	1013.0	180.0
79	2	12	5	(43)	5	4.70	258.0	349.0	349.0	1025.0	180.0
79	2	12	6	(43)	5	4.30	258.0	353.0	353.0	1036.0	180.0
79	2	12	7	(43)	4	3.60	258.0	359.0	359.0	1048.0	1048.0
79	2	12	8	(43)	5	4.70	258.0	1.0	1.0	52.0	210.0
79	2	12	9	(43)	4	5.30	258.0	355.0	355.0	535.0	535.0
79	2	12	10	(43)	4	5.30	259.0	15.0	15.0	513.0	513.0
79	2	12	11	(43)	1	5.70	260.0	21.0	21.0	239.0	318.0
79	2	12	12	(43)	2	5.10	261.0	25.0	25.0	301.0	353.0
79	2	12	13	(43)	2	4.30	261.0	13.0	13.0	363.0	389.0
79	2	12	14	(43)	4	3.50	262.0	10.0	10.0	425.0	425.0
79	2	12	15	(43)	4	3.30	262.0	39.0	39.0	425.0	425.0
79	2	12	16	(43)	2	3.30	261.0	75.0	75.0	425.0	425.0
79	2	12	17	(43)	3	4.20	259.0	67.0	67.0	425.0	425.0
79	2	12	18	(43)	3	4.80	258.0	68.0	68.0	417.0	403.0
79	2	12	19	(43)	3	4.70	256.0	73.0	73.0	409.0	380.0
79	2	12	20	(43)	3	4.40	255.0	77.0	77.0	399.0	357.0
79	2	12	21	(43)	1	2.10	255.0	111.0	111.0	388.0	334.0
79	2	12	22	(43)	4	0.70	255.0	36.0	36.0	376.0	376.0
79	2	12	23	(43)	4	1.30	255.0	52.0	52.0	362.0	362.0
79	2	12	24	(43)	4	1.40	255.0	89.0	89.0	346.0	346.0
79	2	13	1	(44)	3	2.20	255.0	143.0	143.0	470.0	265.0
79	2	13	2	(44)	4	1.40	255.0	123.0	123.0	476.0	476.0
79	2	13	3	(44)	4	1.20	255.0	202.0	202.0	482.0	482.0
79	2	13	4	(44)	4	0.80	255.0	349.0	349.0	488.0	488.0
79	2	13	5	(44)	4	0.50	255.0	1.0	1.0	493.0	493.0
79	2	13	6	(44)	5	1.00	255.0	280.0	280.0	499.0	265.0
79	2	13	7	(44)	5	1.80	254.0	324.0	324.0	505.0	265.0
79	2	13	8	(44)	6	2.70	254.0	349.0	349.0	49.0	280.0
79	2	13	9	(44)	4	2.30	256.0	28.0	28.0	395.0	395.0
79	2	13	10	(44)	5	2.50	258.0	18.0	18.0	161.0	315.0
79	2	13	11	(44)	3	2.70	261.0	66.0	66.0	217.0	333.0
79	2	13	12	(44)	2	2.30	262.0	86.0	86.0	273.0	350.0
79	2	13	13	(44)	1	1.70	263.0	63.0	63.0	329.0	368.0
79	2	13	14	(44)	1	1.80	263.0	88.0	88.0	385.0	385.0
79	2	13	15	(44)	1	2.90	263.0	119.0	119.0	385.0	385.0
79	2	13	16	(44)	2	2.90	262.0	109.0	109.0	385.0	385.0
79	2	13	17	(44)	2	3.40	261.0	104.0	104.0	385.0	385.0
79	2	13	18	(44)	2	4.00	260.0	114.0	114.0	386.0	389.0
79	2	13	19	(44)	1	4.60	260.0	115.0	115.0	388.0	393.0
79	2	13	20	(44)	4	4.70	259.0	112.0	112.0	390.0	390.0
79	2	13	21	(44)	3	4.10	259.0	112.0	112.0	392.0	402.0
79	2	13	22	(44)	4	2.80	259.0	105.0	105.0	394.0	394.0
79	2	13	23	(44)	2	2.40	259.0	92.0	92.0	397.0	411.0
79	2	13	24	(44)	1	2.60	259.0	97.0	97.0	400.0	415.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	14	1	(45)	3	4.20	260.0	84.0	84.0	438.0	415.0
79	2	14	2	(45)	2	3.70	261.0	92.0	92.0	445.0	415.0
79	2	14	3	(45)	2	3.00	261.0	95.0	95.0	451.0	415.0
79	2	14	4	(45)	3	2.50	261.0	84.0	84.0	458.0	415.0
79	2	14	5	(45)	3	3.10	261.0	91.0	91.0	465.0	415.0
79	2	14	6	(45)	3	4.30	262.0	107.0	107.0	471.0	415.0
79	2	14	7	(45)	4	4.30	263.0	115.0	115.0	478.0	478.0
79	2	14	8	(45)	3	3.70	263.0	109.0	109.0	72.0	433.0
79	2	14	9	(45)	2	2.90	265.0	123.0	123.0	153.0	454.0
79	2	14	10	(45)	2	2.70	266.0	147.0	147.0	233.0	474.0
79	2	14	11	(45)	3	3.40	266.0	183.0	183.0	314.0	494.0
79	2	14	12	(45)	4	2.60	266.0	193.0	193.0	539.0	539.0
79	2	14	13	(45)	2	2.80	267.0	161.0	161.0	475.0	535.0
79	2	14	14	(45)	3	3.60	267.0	141.0	141.0	555.0	555.0
79	2	14	15	(45)	2	3.30	267.0	145.0	145.0	555.0	555.0
79	2	14	16	(45)	3	2.30	267.0	149.0	149.0	555.0	555.0
79	2	14	17	(45)	2	1.70	267.0	116.0	116.0	555.0	555.0
79	2	14	18	(45)	3	2.10	266.0	101.0	101.0	542.0	518.0
79	2	14	19	(45)	3	2.50	266.0	103.0	103.0	527.0	477.0
79	2	14	20	(45)	3	2.80	265.0	92.0	92.0	509.0	435.0
79	2	14	21	(45)	2	3.70	265.0	86.0	86.0	490.0	394.0
79	2	14	22	(45)	2	3.10	264.0	100.0	100.0	468.0	353.0
79	2	14	23	(45)	3	3.30	264.0	90.0	90.0	443.0	311.0
79	2	14	24	(45)	3	3.30	263.0	89.0	89.0	415.0	270.0
79	2	15	1	(46)	2	3.80	263.0	85.0	85.0	698.0	270.0
79	2	15	2	(46)	1	2.80	263.0	92.0	92.0	717.0	270.0
79	2	15	3	(46)	3	4.10	262.0	82.0	82.0	735.0	270.0
79	2	15	4	(46)	3	2.90	262.0	98.0	98.0	753.0	270.0
79	2	15	5	(46)	4	2.80	262.0	93.0	93.0	771.0	771.0
79	2	15	6	(46)	3	4.20	261.0	84.0	84.0	789.0	270.0
79	2	15	7	(46)	4	3.30	261.0	84.0	84.0	808.0	808.0
79	2	15	8	(46)	3	5.00	260.0	63.0	63.0	87.0	321.0
79	2	15	9	(46)	4	4.10	260.0	56.0	56.0	627.0	627.0
79	2	15	10	(46)	4	4.20	260.0	63.0	63.0	632.0	632.0
79	2	15	11	(46)	4	4.60	260.0	71.0	71.0	636.0	636.0
79	2	15	12	(46)	4	3.80	261.0	60.0	60.0	641.0	641.0
79	2	15	13	(46)	4	3.90	261.0	76.0	76.0	645.0	645.0
79	2	15	14	(46)	3	4.10	261.0	62.0	62.0	650.0	650.0
79	2	15	15	(46)	3	3.60	260.0	47.0	47.0	650.0	650.0
79	2	15	16	(46)	3	3.10	260.0	45.0	45.0	650.0	650.0
79	2	15	17	(46)	3	3.20	260.0	46.0	46.0	650.0	650.0
79	2	15	18	(46)	5	3.50	259.0	60.0	60.0	641.0	625.0
79	2	15	19	(46)	4	2.60	258.0	99.0	99.0	630.0	630.0
79	2	15	20	(46)	3	1.70	256.0	146.0	146.0	618.0	566.0
79	2	15	21	(46)	5	1.20	256.0	330.0	330.0	604.0	537.0
79	2	15	22	(46)	5	2.00	257.0	22.0	22.0	589.0	508.0
79	2	15	23	(46)	3	2.10	257.0	46.0	46.0	572.0	479.0
79	2	15	24	(46)	4	1.80	257.0	5.0	5.0	552.0	552.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	16	1	(47)	5	2.40	256.0	325.0	325.0	774.0	450.0
79	2	16	2	(47)	5	3.80	256.0	309.0	309.0	790.0	450.0
79	2	16	3	(47)	5	6.90	257.0	334.0	334.0	806.0	450.0
79	2	16	4	(47)	5	9.50	255.0	340.0	340.0	822.0	450.0
79	2	16	5	(47)	5	8.70	253.0	337.0	337.0	838.0	450.0
79	2	16	6	(47)	5	6.80	252.0	329.0	329.0	853.0	450.0
79	2	16	7	(47)	5	6.90	251.0	330.0	330.0	869.0	450.0
79	2	16	8	(47)	5	7.30	250.0	336.0	336.0	107.0	495.0
79	2	16	9	(47)	5	7.40	251.0	344.0	344.0	219.0	543.0
79	2	16	10	(47)	5	7.60	252.0	345.0	345.0	331.0	590.0
79	2	16	11	(47)	5	7.60	253.0	348.0	348.0	443.0	638.0
79	2	16	12	(47)	5	7.10	254.0	347.0	347.0	556.0	685.0
79	2	16	13	(47)	5	5.90	255.0	343.0	343.0	668.0	733.0
79	2	16	14	(47)	5	7.10	256.0	341.0	341.0	780.0	780.0
79	2	16	15	(47)	5	5.90	256.0	345.0	345.0	780.0	780.0
79	2	16	16	(47)	5	5.80	255.0	344.0	344.0	780.0	780.0
79	2	16	17	(47)	5	4.80	254.0	345.0	345.0	780.0	780.0
79	2	16	18	(47)	4	4.30	253.0	9.0	9.0	754.0	754.0
79	2	16	19	(47)	5	4.80	251.0	19.0	19.0	721.0	616.0
79	2	16	20	(47)	4	3.20	250.0	14.0	14.0	684.0	684.0
79	2	16	21	(47)	6	4.30	249.0	353.0	353.0	642.0	437.0
79	2	16	22	(47)	4	3.50	247.0	292.0	292.0	595.0	595.0
79	2	16	23	(47)	5	3.90	247.0	303.0	303.0	542.0	259.0
79	2	16	24	(47)	5	4.50	246.0	312.0	312.0	482.0	170.0
79	2	17	1	(48)	5	4.40	245.0	294.0	294.0	1069.0	170.0
79	2	17	2	(48)	5	3.80	245.0	273.0	273.0	1106.0	170.0
79	2	17	3	(48)	5	3.70	244.0	271.0	271.0	1143.0	170.0
79	2	17	4	(48)	5	3.70	243.0	276.0	276.0	1180.0	170.0
79	2	17	5	(48)	5	3.50	243.0	274.0	274.0	1217.0	170.0
79	2	17	6	(48)	5	3.30	243.0	283.0	283.0	1254.0	170.0
79	2	17	7	(48)	6	2.70	241.0	281.0	281.0	1291.0	170.0
79	2	17	8	(48)	5	1.80	245.0	288.0	288.0	132.0	278.0
79	2	17	9	(48)	5	2.30	251.0	340.0	340.0	267.0	388.0
79	2	17	10	(48)	3	2.50	254.0	78.0	78.0	401.0	499.0
79	2	17	11	(48)	1	2.70	256.0	141.0	141.0	536.0	609.0
79	2	17	12	(48)	1	3.20	257.0	161.0	161.0	671.0	719.0
79	2	17	13	(48)	1	2.90	259.0	180.0	180.0	805.0	830.0
79	2	17	14	(48)	1	3.20	259.0	115.0	115.0	940.0	940.0
79	2	17	15	(48)	3	2.90	259.0	102.0	102.0	940.0	940.0
79	2	17	16	(48)	1	3.30	259.0	122.0	122.0	940.0	940.0
79	2	17	17	(48)	2	1.70	259.0	120.0	120.0	940.0	940.0
79	2	17	18	(48)	1	5.40	255.0	117.0	117.0	913.0	862.0
79	2	17	19	(48)	2	4.60	254.0	116.0	116.0	878.0	767.0
79	2	17	20	(48)	3	3.80	252.0	104.0	104.0	838.0	671.0
79	2	17	21	(48)	3	2.70	251.0	77.0	77.0	794.0	576.0
79	2	17	22	(48)	4	2.50	250.0	89.0	89.0	744.0	744.0
79	2	17	23	(48)	5	1.80	249.0	310.0	310.0	688.0	385.0
79	2	17	24	(48)	6	2.10	248.0	279.0	279.0	623.0	290.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	18	1	(49)	5	2.70	249.0	46.0	46.0	1120.0	290.0
79	2	18	2	(49)	4	3.20	250.0	91.0	91.0	1143.0	1143.0
79	2	18	3	(49)	5	3.20	249.0	81.0	81.0	1166.0	290.0
79	2	18	4	(49)	5	3.50	249.0	84.0	84.0	1189.0	290.0
79	2	18	5	(49)	4	3.70	250.0	94.0	94.0	1212.0	1212.0
79	2	18	6	(49)	3	3.50	249.0	89.0	89.0	1235.0	290.0
79	2	18	7	(49)	4	3.30	249.0	87.0	87.0	827.0	827.0
79	2	18	8	(49)	2	3.10	250.0	88.0	88.0	111.0	359.0
79	2	18	9	(49)	2	2.40	253.0	84.0	84.0	221.0	428.0
79	2	18	10	(49)	1	2.60	256.0	104.0	104.0	331.0	496.0
79	2	18	11	(49)	1	2.70	258.0	98.0	98.0	440.0	565.0
79	2	18	12	(49)	1	2.90	260.0	70.0	70.0	550.0	633.0
79	2	18	13	(49)	1	3.30	262.0	103.0	103.0	660.0	702.0
79	2	18	14	(49)	1	3.30	262.0	87.0	87.0	770.0	770.0
79	2	18	15	(49)	1	3.60	261.0	86.0	86.0	770.0	770.0
79	2	18	16	(49)	1	3.70	260.0	88.0	88.0	770.0	770.0
79	2	18	17	(49)	2	3.00	259.0	90.0	90.0	770.0	770.0
79	2	18	18	(49)	1	2.60	258.0	100.0	100.0	745.0	690.0
79	2	18	19	(49)	1	4.00	257.0	127.0	127.0	705.0	589.0
79	2	18	20	(49)	3	2.40	256.0	36.0	36.0	664.0	489.0
79	2	18	21	(49)	6	0.90	255.0	336.0	336.0	617.0	388.0
79	2	18	22	(49)	6	0.40	254.0	289.0	289.0	565.0	287.0
79	2	18	23	(49)	6	0.60	252.0	279.0	279.0	506.0	186.0
79	2	18	24	(49)	6	0.30	252.0	281.0	281.0	438.0	85.0
79	2	19	1	(50)	6	1.90	251.0	285.0	285.0	963.0	85.0
79	2	19	2	(50)	5	2.10	251.0	286.0	286.0	987.0	85.0
79	2	19	3	(50)	5	2.90	250.0	281.0	281.0	1012.0	85.0
79	2	19	4	(50)	5	3.10	250.0	290.0	290.0	1037.0	85.0
79	2	19	5	(50)	5	3.90	251.0	283.0	283.0	1062.0	85.0
79	2	19	6	(50)	6	3.10	251.0	270.0	270.0	1087.0	85.0
79	2	19	7	(50)	5	3.00	251.0	302.0	302.0	3.0	88.0
79	2	19	8	(50)	3	4.10	252.0	251.0	251.0	88.0	161.0
79	2	19	9	(50)	2	3.60	257.0	193.0	193.0	174.0	234.0
79	2	19	10	(50)	5	4.50	261.0	198.0	198.0	259.0	307.0
79	2	19	11	(50)	5	5.80	263.0	197.0	197.0	344.0	380.0
79	2	19	12	(50)	5	5.80	265.0	198.0	198.0	429.0	454.0
79	2	19	13	(50)	5	6.50	267.0	194.0	194.0	515.0	527.0
79	2	19	14	(50)	4	5.70	268.0	181.0	181.0	600.0	600.0
79	2	19	15	(50)	2	6.30	267.0	171.0	171.0	600.0	600.0
79	2	19	16	(50)	2	6.20	266.0	162.0	162.0	600.0	600.0
79	2	19	17	(50)	3	6.00	263.0	167.0	167.0	600.0	600.0
79	2	19	18	(50)	3	6.10	262.0	173.0	173.0	586.0	559.0
79	2	19	19	(50)	3	5.90	262.0	179.0	179.0	567.0	506.0
79	2	19	20	(50)	3	5.50	262.0	182.0	182.0	545.0	453.0
79	2	19	21	(50)	4	4.60	262.0	188.0	188.0	520.0	520.0
79	2	19	22	(50)	4	4.90	262.0	189.0	189.0	493.0	493.0
79	2	19	23	(50)	4	4.60	261.0	188.0	188.0	462.0	462.0
79	2	19	24	(50)	3	4.20	261.0	173.0	173.0	426.0	240.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	20	1	(51)	2	3.70	260.0	162.0	162.0	671.0	240.0
79	2	20	2	(51)	3	3.10	259.0	151.0	151.0	680.0	240.0
79	2	20	3	(51)	2	3.10	259.0	160.0	160.0	689.0	240.0
79	2	20	4	(51)	3	2.80	259.0	150.0	150.0	698.0	240.0
79	2	20	5	(51)	3	2.70	260.0	174.0	174.0	708.0	240.0
79	2	20	6	(51)	4	2.50	260.0	187.0	187.0	717.0	717.0
79	2	20	7	(51)	4	2.20	261.0	177.0	177.0	487.0	487.0
79	2	20	8	(51)	3	2.10	262.0	163.0	163.0	65.0	269.0
79	2	20	9	(51)	3	1.70	263.0	181.0	181.0	126.0	296.0
79	2	20	10	(51)	4	1.60	264.0	192.0	192.0	463.0	463.0
79	2	20	11	(51)	4	1.40	266.0	203.0	203.0	455.0	455.0
79	2	20	12	(51)	4	1.30	268.0	169.0	169.0	446.0	446.0
79	2	20	13	(51)	1	1.70	269.0	116.0	116.0	369.0	403.0
79	2	20	14	(51)	2	2.40	270.0	145.0	145.0	430.0	430.0
79	2	20	15	(51)	4	2.20	270.0	131.0	131.0	430.0	430.0
79	2	20	16	(51)	5	1.80	270.0	95.0	95.0	430.0	430.0
79	2	20	17	(51)	4	2.00	270.0	82.0	82.0	430.0	430.0
79	2	20	18	(51)	3	1.70	270.0	88.0	88.0	427.0	420.0
79	2	20	19	(51)	4	1.80	269.0	83.0	83.0	422.0	422.0
79	2	20	20	(51)	3	2.00	269.0	86.0	86.0	416.0	393.0
79	2	20	21	(51)	4	1.90	269.0	85.0	85.0	410.0	410.0
79	2	20	22	(51)	5	2.30	269.0	70.0	70.0	403.0	367.0
79	2	20	23	(51)	4	3.70	269.0	71.0	71.0	396.0	396.0
79	2	20	24	(51)	3	2.80	268.0	95.0	95.0	387.0	340.0
79	2	21	1	(52)	4	3.30	267.0	83.0	83.0	497.0	497.0
79	2	21	2	(52)	3	2.00	267.0	85.0	85.0	506.0	340.0
79	2	21	3	(52)	4	4.10	268.0	62.0	62.0	514.0	514.0
79	2	21	4	(52)	5	4.60	268.0	61.0	61.0	523.0	340.0
79	2	21	5	(52)	4	3.80	268.0	73.0	73.0	532.0	532.0
79	2	21	6	(52)	4	2.60	268.0	71.0	71.0	540.0	540.0
79	2	21	7	(52)	4	2.10	269.0	46.0	46.0	490.0	490.0
79	2	21	8	(52)	4	1.50	269.0	360.0	360.0	494.0	494.0
79	2	21	9	(52)	5	2.10	269.0	285.0	285.0	154.0	393.0
79	2	21	10	(52)	4	4.30	270.0	277.0	277.0	503.0	503.0
79	2	21	11	(52)	4	6.80	271.0	285.0	285.0	507.0	507.0
79	2	21	12	(52)	4	7.70	272.0	292.0	292.0	511.0	511.0
79	2	21	13	(52)	4	8.90	272.0	291.0	291.0	516.0	516.0
79	2	21	14	(52)	4	10.40	273.0	298.0	298.0	520.0	520.0
79	2	21	15	(52)	4	10.10	273.0	296.0	296.0	520.0	520.0
79	2	21	16	(52)	4	9.00	271.0	297.0	297.0	520.0	520.0
79	2	21	17	(52)	4	9.80	270.0	299.0	299.0	520.0	520.0
79	2	21	18	(52)	4	7.40	269.0	309.0	309.0	503.0	503.0
79	2	21	19	(52)	4	8.40	269.0	312.0	312.0	477.0	477.0
79	2	21	20	(52)	4	7.30	269.0	305.0	305.0	448.0	448.0
79	2	21	21	(52)	4	6.30	268.0	312.0	312.0	415.0	415.0
79	2	21	22	(52)	5	4.70	267.0	342.0	342.0	379.0	183.0
79	2	21	23	(52)	4	3.80	267.0	334.0	334.0	337.0	337.0
79	2	21	24	(52)	4	2.20	267.0	288.0	288.0	290.0	290.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	22	1	(53)	4	4.90	266.0	349.0	349.0	548.0	548.0
79	2	22	2	(53)	6	2.70	266.0	36.0	36.0	551.0	40.0
79	2	22	3	(53)	6	2.40	266.0	36.0	36.0	555.0	40.0
79	2	22	4	(53)	5	1.40	266.0	344.0	344.0	559.0	40.0
79	2	22	5	(53)	4	2.10	266.0	102.0	102.0	562.0	562.0
79	2	22	6	(53)	4	2.50	266.0	109.0	109.0	566.0	566.0
79	2	22	7	(53)	4	2.90	266.0	105.0	105.0	252.0	252.0
79	2	22	8	(53)	4	3.10	266.0	112.0	112.0	232.0	232.0
79	2	22	9	(53)	4	3.00	266.0	111.0	111.0	213.0	213.0
79	2	22	10	(53)	4	3.10	267.0	108.0	108.0	193.0	193.0
79	2	22	11	(53)	4	3.00	268.0	109.0	109.0	174.0	174.0
79	2	22	12	(53)	4	4.60	269.0	122.0	122.0	154.0	154.0
79	2	22	13	(53)	3	3.80	270.0	108.0	108.0	99.0	104.0
79	2	22	14	(53)	4	5.60	269.0	126.0	126.0	115.0	115.0
79	2	22	15	(53)	4	5.10	269.0	119.0	119.0	115.0	115.0
79	2	22	16	(53)	2	4.50	269.0	110.0	110.0	115.0	115.0
79	2	22	17	(53)	2	5.00	268.0	111.0	111.0	115.0	115.0
79	2	22	18	(53)	3	4.20	268.0	103.0	103.0	120.0	130.0
79	2	22	19	(53)	2	3.60	268.0	104.0	104.0	128.0	152.0
79	2	22	20	(53)	2	4.20	268.0	108.0	108.0	137.0	173.0
79	2	22	21	(53)	4	5.10	269.0	111.0	111.0	146.0	146.0
79	2	22	22	(53)	3	5.70	270.0	116.0	116.0	157.0	217.0
79	2	22	23	(53)	4	5.60	270.0	106.0	106.0	170.0	170.0
79	2	22	24	(53)	4	6.40	271.0	115.0	115.0	184.0	184.0
79	2	23	1	(54)	4	6.10	271.0	119.0	119.0	163.0	163.0
79	2	23	2	(54)	3	3.90	272.0	117.0	117.0	169.0	260.0
79	2	23	3	(54)	3	3.90	272.0	125.0	125.0	176.0	260.0
79	2	23	4	(54)	2	3.90	273.0	120.0	120.0	182.0	260.0
79	2	23	5	(54)	3	3.90	273.0	139.0	139.0	188.0	260.0
79	2	23	6	(54)	2	3.90	273.0	149.0	149.0	195.0	260.0
79	2	23	7	(54)	2	3.90	273.0	168.0	168.0	8.0	263.0
79	2	23	8	(54)	3	3.90	273.0	173.0	173.0	63.0	281.0
79	2	23	9	(54)	4	3.90	274.0	194.0	194.0	323.0	323.0
79	2	23	10	(54)	5	3.90	274.0	201.0	201.0	172.0	317.0
79	2	23	11	(54)	5	3.90	275.0	218.0	218.0	226.0	335.0
79	2	23	12	(54)	5	4.60	275.0	225.0	225.0	281.0	354.0
79	2	23	13	(54)	4	6.60	275.0	238.0	238.0	377.0	377.0
79	2	23	14	(54)	4	7.70	275.0	244.0	244.0	390.0	390.0
79	2	23	15	(54)	4	8.70	275.0	256.0	256.0	390.0	390.0
79	2	23	16	(54)	4	9.00	274.0	265.0	265.0	390.0	390.0
79	2	23	17	(54)	4	7.10	273.0	258.0	258.0	390.0	390.0
79	2	23	18	(54)	4	8.70	273.0	272.0	272.0	395.0	395.0
79	2	23	19	(54)	4	8.00	272.0	283.0	283.0	404.0	404.0
79	2	23	20	(54)	4	7.60	271.0	287.0	287.0	413.0	413.0
79	2	23	21	(54)	4	7.80	270.0	296.0	296.0	423.0	423.0
79	2	23	22	(54)	4	8.90	269.0	309.0	309.0	435.0	435.0
79	2	23	23	(54)	4	7.50	268.0	314.0	314.0	448.0	448.0
79	2	23	24	(54)	4	8.40	267.0	326.0	326.0	464.0	464.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	24	1	(55)	5	9.00	266.0	353.0	353.0	584.0	545.0
79	2	24	2	(55)	5	7.20	265.0	344.0	344.0	610.0	545.0
79	2	24	3	(55)	5	5.00	264.0	356.0	356.0	635.0	545.0
79	2	24	4	(55)	5	3.90	263.0	12.0	12.0	661.0	545.0
79	2	24	5	(55)	5	6.70	262.0	7.0	7.0	686.0	545.0
79	2	24	6	(55)	5	7.50	261.0	19.0	19.0	711.0	545.0
79	2	24	7	(55)	5	4.60	259.0	3.0	3.0	28.0	558.0
79	2	24	8	(55)	4	5.90	258.0	7.0	7.0	872.0	872.0
79	2	24	9	(55)	5	6.00	259.0	3.0	3.0	325.0	705.0
79	2	24	10	(55)	5	5.50	261.0	358.0	358.0	474.0	778.0
79	2	24	11	(55)	5	4.80	263.0	9.0	9.0	623.0	851.0
79	2	24	12	(55)	5	4.70	265.0	12.0	12.0	772.0	924.0
79	2	24	13	(55)	5	4.50	266.0	9.0	9.0	921.0	997.0
79	2	24	14	(55)	5	4.60	267.0	18.0	18.0	1070.0	1070.0
79	2	24	15	(55)	5	4.40	267.0	13.0	13.0	1070.0	1070.0
79	2	24	16	(55)	5	5.00	266.0	27.0	27.0	1070.0	1070.0
79	2	24	17	(55)	5	5.60	265.0	20.0	20.0	1070.0	1070.0
79	2	24	18	(55)	5	5.10	263.0	19.0	19.0	1046.0	998.0
79	2	24	19	(55)	6	5.50	261.0	20.0	20.0	1005.0	884.0
79	2	24	20	(55)	4	5.00	260.0	17.0	17.0	960.0	960.0
79	2	24	21	(55)	5	4.80	258.0	27.0	27.0	909.0	656.0
79	2	24	22	(55)	4	3.40	257.0	28.0	28.0	851.0	851.0
79	2	24	23	(55)	5	4.20	256.0	11.0	11.0	786.0	429.0
79	2	24	24	(55)	5	5.00	256.0	3.0	3.0	712.0	315.0
79	2	25	1	(56)	5	5.70	255.0	11.0	11.0	1122.0	315.0
79	2	25	2	(56)	4	4.00	255.0	15.0	15.0	1128.0	1128.0
79	2	25	3	(56)	5	2.90	255.0	7.0	7.0	1135.0	315.0
79	2	25	4	(56)	4	2.80	255.0	332.0	332.0	1142.0	1142.0
79	2	25	5	(56)	4	2.90	255.0	322.0	322.0	1149.0	1149.0
79	2	25	6	(56)	3	4.20	255.0	328.0	328.0	1156.0	315.0
79	2	25	7	(56)	4	6.50	256.0	348.0	348.0	664.0	664.0
79	2	25	8	(56)	5	2.40	257.0	342.0	342.0	77.0	339.0
79	2	25	9	(56)	4	2.20	259.0	9.0	9.0	604.0	604.0
79	2	25	10	(56)	5	3.10	263.0	40.0	40.0	203.0	377.0
79	2	25	11	(56)	4	3.40	265.0	22.0	22.0	545.0	545.0
79	2	25	12	(56)	5	2.90	268.0	17.0	17.0	329.0	416.0
79	2	25	13	(56)	4	2.10	270.0	20.0	20.0	485.0	485.0
79	2	25	14	(56)	4	2.90	271.0	51.0	51.0	455.0	455.0
79	2	25	15	(56)	4	3.10	271.0	66.0	66.0	455.0	455.0
79	2	25	16	(56)	5	4.10	271.0	57.0	57.0	455.0	455.0
79	2	25	17	(56)	5	4.30	270.0	50.0	50.0	455.0	455.0
79	2	25	18	(56)	5	4.20	268.0	38.0	38.0	444.0	420.0
79	2	25	19	(56)	5	4.40	266.0	32.0	32.0	423.0	364.0
79	2	25	20	(56)	4	3.40	265.0	31.0	31.0	401.0	401.0
79	2	25	21	(56)	6	3.50	263.0	25.0	25.0	375.0	250.0
79	2	25	22	(56)	1	2.40	262.0	56.0	56.0	347.0	193.0
79	2	25	23	(56)	4	4.60	268.0	295.0	295.0	315.0	315.0
79	2	25	24	(56)	5	3.40	261.0	307.0	307.0	278.0	80.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	26	1	(57)	4	4.10	260.0	293.0	293.0	589.0	589.0
79	2	26	2	(57)	5	3.50	259.0	291.0	291.0	607.0	80.0
79	2	26	3	(57)	4	6.20	258.0	319.0	319.0	625.0	625.0
79	2	26	4	(57)	4	4.70	258.0	306.0	306.0	643.0	643.0
79	2	26	5	(57)	5	4.10	258.0	304.0	304.0	660.0	80.0
79	2	26	6	(57)	5	5.90	257.0	315.0	315.0	678.0	80.0
79	2	26	7	(57)	4	8.80	257.0	335.0	335.0	448.0	448.0
79	2	26	8	(57)	4	6.80	258.0	308.0	308.0	448.0	448.0
79	2	26	9	(57)	4	2.00	264.0	288.0	288.0	447.0	447.0
79	2	26	10	(57)	4	0.80	268.0	154.0	154.0	447.0	447.0
79	2	26	11	(57)	5	1.70	269.0	111.0	111.0	261.0	294.0
79	2	26	12	(57)	3	0.80	270.0	56.0	56.0	322.0	344.0
79	2	26	13	(57)	3	0.80	272.0	41.0	41.0	384.0	395.0
79	2	26	14	(57)	4	0.70	274.0	55.0	55.0	445.0	445.0
79	2	26	15	(57)	4	3.30	275.0	62.0	62.0	445.0	445.0
79	2	26	16	(57)	5	4.80	275.0	10.0	10.0	445.0	445.0
79	2	26	17	(57)	5	0.80	274.0	71.0	71.0	445.0	445.0
79	2	26	18	(57)	6	1.40	273.0	97.0	97.0	433.0	414.0
79	2	26	19	(57)	5	2.20	272.0	77.0	77.0	416.0	362.0
79	2	26	20	(57)	6	2.40	270.0	286.0	286.0	396.0	310.0
79	2	26	21	(57)	6	2.50	269.0	302.0	302.0	372.0	257.0
79	2	26	22	(57)	5	2.10	268.0	349.0	349.0	346.0	205.0
79	2	26	23	(57)	6	1.70	267.0	275.0	275.0	317.0	152.0
79	2	26	24	(57)	6	1.80	266.0	301.0	301.0	283.0	100.0
79	2	27	1	(58)	6	1.60	265.0	285.0	285.0	546.0	100.0
79	2	27	2	(58)	6	3.10	264.0	284.0	284.0	559.0	100.0
79	2	27	3	(58)	6	3.40	263.0	281.0	281.0	573.0	100.0
79	2	27	4	(58)	5	3.80	262.0	272.0	272.0	586.0	100.0
79	2	27	5	(58)	6	4.80	262.0	282.0	282.0	600.0	100.0
79	2	27	6	(58)	5	2.60	261.0	210.0	210.0	613.0	100.0
79	2	27	7	(58)	5	2.50	262.0	295.0	295.0	14.0	110.0
79	2	27	8	(58)	5	4.90	265.0	285.0	285.0	66.0	148.0
79	2	27	9	(58)	4	2.70	269.0	360.0	360.0	392.0	392.0
79	2	27	10	(58)	4	3.50	275.0	212.0	212.0	389.0	389.0
79	2	27	11	(58)	4	4.20	277.0	211.0	211.0	385.0	385.0
79	2	27	12	(58)	4	2.40	278.0	199.0	199.0	382.0	382.0
79	2	27	13	(58)	5	3.90	279.0	207.0	207.0	323.0	337.0
79	2	27	14	(58)	5	3.50	280.0	201.0	201.0	375.0	375.0
79	2	27	15	(58)	5	3.50	280.0	199.0	199.0	375.0	375.0
79	2	27	16	(58)	5	3.80	280.0	209.0	209.0	375.0	375.0
79	2	27	17	(58)	5	3.40	278.0	193.0	193.0	375.0	375.0
79	2	27	18	(58)	5	4.60	278.0	214.0	214.0	370.0	360.0
79	2	27	19	(58)	5	4.00	275.0	184.0	184.0	360.0	332.0
79	2	27	20	(58)	4	3.60	274.0	217.0	217.0	349.0	349.0
79	2	27	21	(58)	4	3.70	273.0	220.0	220.0	337.0	337.0
79	2	27	22	(58)	5	4.80	273.0	236.0	236.0	324.0	250.0
79	2	27	23	(58)	5	4.40	272.0	193.0	193.0	308.0	222.0
79	2	27	24	(58)	4	3.00	271.0	71.0	71.0	291.0	291.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	2	28	1	(59)	5	2.70	271.0	163.0	163.0	371.0	195.0
79	2	28	2	(59)	4	3.00	271.0	14.0	14.0	371.0	371.0
79	2	28	3	(59)	5	4.70	271.0	265.0	265.0	370.0	195.0
79	2	28	4	(59)	5	4.20	271.0	303.0	303.0	370.0	195.0
79	2	28	5	(59)	5	3.80	272.0	307.0	307.0	369.0	195.0
79	2	28	6	(59)	5	4.20	271.0	279.0	279.0	369.0	195.0
79	2	28	7	(59)	5	1.70	270.0	188.0	188.0	8.0	195.0
79	2	28	8	(59)	6	0.60	270.0	72.0	72.0	33.0	193.0
79	2	28	9	(59)	5	0.60	273.0	285.0	285.0	58.0	192.0
79	2	28	10	(59)	4	0.60	275.0	2.0	2.0	222.0	222.0
79	2	28	11	(59)	3	1.70	277.0	119.0	119.0	109.0	189.0
79	2	28	12	(59)	1	2.10	278.0	129.0	129.0	134.0	188.0
79	2	28	13	(59)	2	1.90	278.0	115.0	115.0	160.0	186.0
79	2	28	14	(59)	3	1.70	278.0	93.0	93.0	185.0	185.0
79	2	28	15	(59)	5	2.00	278.0	65.0	65.0	185.0	185.0
79	2	28	16	(59)	4	1.90	278.0	95.0	95.0	185.0	185.0
79	2	28	17	(59)	4	2.70	277.0	85.0	85.0	185.0	185.0
79	2	28	18	(59)	3	3.40	276.0	88.0	88.0	184.0	183.0
79	2	28	19	(59)	3	3.80	275.0	79.0	79.0	183.0	180.0
79	2	28	20	(59)	5	4.30	274.0	68.0	68.0	182.0	177.0
79	2	28	21	(59)	5	3.80	273.0	53.0	53.0	181.0	174.0
79	2	28	22	(59)	4	3.60	272.0	37.0	37.0	179.0	179.0
79	2	28	23	(59)	5	3.40	271.0	51.0	51.0	178.0	168.0
79	2	28	24	(59)	5	2.60	271.0	41.0	41.0	176.0	165.0
79	3	1	1	(60)	4	2.90	270.0	23.0	23.0	216.0	216.0
79	3	1	2	(60)	5	3.10	270.0	360.0	360.0	220.0	165.0
79	3	1	3	(60)	5	3.20	269.0	6.0	6.0	224.0	165.0
79	3	1	4	(60)	5	2.50	269.0	21.0	21.0	229.0	165.0
79	3	1	5	(60)	5	2.50	269.0	13.0	13.0	233.0	165.0
79	3	1	6	(60)	5	3.10	269.0	11.0	11.0	237.0	165.0
79	3	1	7	(60)	5	3.20	269.0	14.0	14.0	12.0	169.0
79	3	1	8	(60)	3	2.60	270.0	49.0	49.0	46.0	181.0
79	3	1	9	(60)	5	2.00	271.0	27.0	27.0	80.0	192.0
79	3	1	10	(60)	3	1.70	273.0	59.0	59.0	114.0	204.0
79	3	1	11	(60)	4	2.30	275.0	64.0	64.0	240.0	240.0
79	3	1	12	(60)	3	2.70	276.0	72.0	72.0	182.0	227.0
79	3	1	13	(60)	5	1.50	276.0	36.0	36.0	216.0	238.0
79	3	1	14	(60)	3	0.80	277.0	10.0	10.0	250.0	250.0
79	3	1	15	(60)	3	0.70	278.0	26.0	26.0	250.0	250.0
79	3	1	16	(60)	4	1.00	278.0	44.0	44.0	250.0	250.0
79	3	1	17	(60)	4	1.60	277.0	88.0	88.0	250.0	250.0
79	3	1	18	(60)	5	3.40	276.0	129.0	129.0	251.0	252.0
79	3	1	19	(60)	4	4.50	274.0	136.0	136.0	252.0	252.0
79	3	1	20	(60)	4	4.00	273.0	139.0	139.0	253.0	253.0
79	3	1	21	(60)	4	3.30	271.0	120.0	120.0	254.0	254.0
79	3	1	22	(60)	4	2.90	270.0	134.0	134.0	256.0	256.0
79	3	1	23	(60)	3	2.50	271.0	151.0	151.0	257.0	267.0
79	3	1	24	(60)	3	2.50	270.0	158.0	158.0	259.0	270.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	2	1	(61)	4	2.90	270.0	192.0	192.0	268.0	268.0
79	3	2	2	(61)	4	3.10	270.0	184.0	184.0	271.0	271.0
79	3	2	3	(61)	5	3.70	270.0	191.0	191.0	273.0	270.0
79	3	2	4	(61)	4	2.60	270.0	170.0	170.0	276.0	276.0
79	3	2	5	(61)	4	3.00	269.0	182.0	182.0	278.0	278.0
79	3	2	6	(61)	3	3.10	269.0	169.0	169.0	280.0	270.0
79	3	2	7	(61)	4	3.00	269.0	186.0	186.0	296.0	296.0
79	3	2	8	(61)	4	3.10	270.0	171.0	171.0	299.0	299.0
79	3	2	9	(61)	3	2.80	271.0	157.0	157.0	103.0	286.0
79	3	2	10	(61)	3	3.50	272.0	163.0	163.0	146.0	293.0
79	3	2	11	(61)	3	4.60	273.0	156.0	156.0	190.0	300.0
79	3	2	12	(61)	3	5.40	273.0	169.0	169.0	233.0	306.0
79	3	2	13	(61)	4	5.90	272.0	184.0	184.0	317.0	317.0
79	3	2	14	(61)	3	6.00	272.0	167.0	167.0	320.0	320.0
79	3	2	15	(61)	3	5.80	272.0	166.0	166.0	320.0	320.0
79	3	2	16	(61)	3	5.90	272.0	162.0	162.0	320.0	320.0
79	3	2	17	(61)	3	5.80	272.0	169.0	169.0	320.0	320.0
79	3	2	18	(61)	3	6.60	272.0	167.0	167.0	321.0	333.0
79	3	2	19	(61)	3	5.80	272.0	166.0	166.0	334.0	361.0
79	3	2	20	(61)	3	5.50	272.0	165.0	165.0	345.0	389.0
79	3	2	21	(61)	3	5.90	272.0	174.0	174.0	357.0	417.0
79	3	2	22	(61)	3	7.40	272.0	175.0	175.0	370.0	444.0
79	3	2	23	(61)	3	7.40	272.0	178.0	178.0	386.0	472.0
79	3	2	24	(61)	3	5.90	272.0	175.0	175.0	403.0	500.0
79	3	3	1	(62)	3	5.60	272.0	177.0	177.0	320.0	500.0
79	3	3	2	(62)	3	4.40	272.0	174.0	174.0	320.0	500.0
79	3	3	3	(62)	4	4.20	272.0	185.0	185.0	320.0	320.0
79	3	3	4	(62)	4	4.00	272.0	191.0	191.0	320.0	320.0
79	3	3	5	(62)	4	3.40	272.0	181.0	181.0	320.0	320.0
79	3	3	6	(62)	3	2.30	272.0	167.0	167.0	320.0	500.0
79	3	3	7	(62)	4	2.40	272.0	134.0	134.0	438.0	438.0
79	3	3	8	(62)	4	2.60	272.0	133.0	133.0	447.0	447.0
79	3	3	9	(62)	4	2.20	273.0	123.0	123.0	456.0	456.0
79	3	3	10	(62)	4	2.40	273.0	100.0	100.0	465.0	465.0
79	3	3	11	(62)	4	3.10	274.0	69.0	69.0	474.0	474.0
79	3	3	12	(62)	5	3.70	274.0	54.0	54.0	365.0	500.0
79	3	3	13	(62)	5	3.70	274.0	25.0	25.0	432.0	500.0
79	3	3	14	(62)	5	6.00	274.0	36.0	36.0	500.0	500.0
79	3	3	15	(62)	5	5.80	274.0	48.0	48.0	500.0	500.0
79	3	3	16	(62)	4	6.10	274.0	63.0	63.0	500.0	500.0
79	3	3	17	(62)	3	5.90	274.0	39.0	39.0	500.0	500.0
79	3	3	18	(62)	5	6.40	274.0	30.0	30.0	493.0	480.0
79	3	3	19	(62)	5	5.90	274.0	28.0	28.0	478.0	435.0
79	3	3	20	(62)	4	6.10	274.0	26.0	26.0	460.0	460.0
79	3	3	21	(62)	5	7.30	274.0	25.0	25.0	441.0	345.0
79	3	3	22	(62)	5	5.70	274.0	27.0	27.0	419.0	300.0
79	3	3	23	(62)	4	5.70	274.0	25.0	25.0	395.0	395.0
79	3	3	24	(62)	5	5.70	273.0	24.0	24.0	366.0	210.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	4	1	(63)	5	5.70	273.0	24.0	24.0	504.0	210.0
79	3	4	2	(63)	5	5.70	273.0	16.0	16.0	504.0	210.0
79	3	4	3	(63)	5	5.70	273.0	23.0	23.0	505.0	210.0
79	3	4	4	(63)	5	5.70	273.0	22.0	22.0	505.0	210.0
79	3	4	5	(63)	5	5.70	273.0	29.0	29.0	506.0	210.0
79	3	4	6	(63)	5	5.70	273.0	358.0	358.0	506.0	210.0
79	3	4	7	(63)	5	5.70	273.0	359.0	359.0	13.0	211.0
79	3	4	8	(63)	5	5.70	273.0	359.0	359.0	42.0	212.0
79	3	4	9	(63)	5	5.70	273.0	351.0	351.0	72.0	213.0
79	3	4	10	(63)	5	5.70	272.0	350.0	350.0	102.0	215.0
79	3	4	11	(63)	5	5.70	272.0	344.0	344.0	131.0	216.0
79	3	4	12	(63)	4	5.70	271.0	307.0	307.0	247.0	247.0
79	3	4	13	(63)	4	5.70	270.0	305.0	305.0	234.0	234.0
79	3	4	14	(63)	4	5.70	270.0	316.0	316.0	220.0	220.0
79	3	4	15	(63)	5	5.70	269.0	312.0	312.0	220.0	220.0
79	3	4	16	(63)	5	5.70	269.0	314.0	314.0	220.0	220.0
79	3	4	17	(63)	6	5.70	269.0	321.0	321.0	220.0	220.0
79	3	4	18	(63)	6	5.70	268.0	321.0	321.0	232.0	259.0
79	3	4	19	(63)	6	5.70	268.0	319.0	319.0	264.0	349.0
79	3	4	20	(63)	6	5.70	268.0	316.0	316.0	298.0	439.0
79	3	4	21	(63)	6	5.70	268.0	319.0	319.0	337.0	529.0
79	3	4	22	(63)	6	5.70	267.0	318.0	318.0	381.0	620.0
79	3	4	23	(63)	6	5.70	267.0	318.0	318.0	430.0	710.0
79	3	4	24	(63)	6	5.70	267.0	321.0	321.0	486.0	800.0
79	3	5	1	(64)	6	3.50	267.0	353.0	353.0	220.0	800.0
79	3	5	2	(64)	6	3.90	266.0	357.0	357.0	220.0	800.0
79	3	5	3	(64)	6	3.90	266.0	357.0	357.0	220.0	800.0
79	3	5	4	(64)	6	4.90	266.0	357.0	357.0	220.0	800.0
79	3	5	5	(64)	6	4.90	266.0	357.0	357.0	220.0	800.0
79	3	5	6	(64)	6	4.90	266.0	357.0	357.0	220.0	800.0
79	3	5	7	(64)	6	1.90	266.0	357.0	357.0	50.0	800.0
79	3	5	8	(64)	6	2.00	266.0	357.0	357.0	157.0	800.0
79	3	5	9	(64)	6	2.00	267.0	357.0	357.0	264.0	800.0
79	3	5	10	(64)	6	2.00	267.0	357.0	357.0	371.0	800.0
79	3	5	11	(64)	6	2.00	267.0	357.0	357.0	479.0	800.0
79	3	5	12	(64)	6	2.00	268.0	357.0	357.0	586.0	800.0
79	3	5	13	(64)	6	2.00	268.0	357.0	357.0	693.0	800.0
79	3	5	14	(64)	6	2.00	268.0	357.0	357.0	800.0	800.0
79	3	5	15	(64)	6	2.00	268.0	357.0	357.0	800.0	800.0
79	3	5	16	(64)	6	2.00	268.0	357.0	357.0	800.0	800.0
79	3	5	17	(64)	6	2.00	268.0	357.0	357.0	800.0	800.0
79	3	5	18	(64)	6	2.00	268.0	357.0	357.0	791.0	772.0
79	3	5	19	(64)	6	2.00	268.0	357.0	357.0	767.0	703.0
79	3	5	20	(64)	6	2.00	267.0	357.0	357.0	741.0	635.0
79	3	5	21	(64)	6	2.00	268.0	357.0	357.0	712.0	566.0
79	3	5	22	(64)	6	2.00	267.0	357.0	357.0	679.0	497.0
79	3	5	23	(64)	6	2.00	267.0	357.0	357.0	641.0	429.0
79	3	5	24	(64)	6	2.00	267.0	357.0	357.0	599.0	360.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	6	1	(65)	6	2.00	267.0	357.0	357.0	1030.0	360.0
79	3	6	2	(65)	6	2.00	267.0	357.0	357.0	1061.0	360.0
79	3	6	3	(65)	6	2.00	267.0	357.0	357.0	1092.0	360.0
79	3	6	4	(65)	6	2.00	266.0	357.0	357.0	1123.0	360.0
79	3	6	5	(65)	6	2.00	265.0	357.0	357.0	1155.0	360.0
79	3	6	6	(65)	6	2.00	264.0	357.0	357.0	1186.0	360.0
79	3	6	7	(65)	6	2.00	264.0	357.0	357.0	66.0	402.0
79	3	6	8	(65)	6	2.00	265.0	357.0	357.0	199.0	487.0
79	3	6	9	(65)	6	2.00	266.0	357.0	357.0	332.0	572.0
79	3	6	10	(65)	6	2.00	267.0	357.0	357.0	464.0	656.0
79	3	6	11	(65)	5	2.00	269.0	221.0	221.0	597.0	741.0
79	3	6	12	(65)	2	2.00	271.0	192.0	192.0	730.0	826.0
79	3	6	13	(65)	2	2.00	272.0	158.0	158.0	862.0	910.0
79	3	6	14	(65)	1	2.00	274.0	145.0	145.0	995.0	995.0
79	3	6	15	(65)	3	2.00	274.0	206.0	206.0	995.0	995.0
79	3	6	16	(65)	4	2.00	274.0	192.0	192.0	995.0	995.0
79	3	6	17	(65)	5	2.00	274.0	56.0	56.0	995.0	995.0
79	3	6	18	(65)	6	2.00	272.0	94.0	94.0	995.0	957.0
79	3	6	19	(65)	5	2.00	271.0	109.0	109.0	948.0	855.0
79	3	6	20	(65)	5	2.00	271.0	111.0	111.0	910.0	754.0
79	3	6	21	(65)	4	2.00	270.0	87.0	87.0	867.0	867.0
79	3	6	22	(65)	5	2.00	270.0	74.0	74.0	818.0	552.0
79	3	6	23	(65)	5	2.00	270.0	72.0	72.0	764.0	451.0
79	3	6	24	(65)	4	2.00	270.0	74.0	74.0	701.0	701.0
79	3	7	1	(66)	4	2.00	269.0	67.0	67.0	995.0	995.0
79	3	7	2	(66)	5	2.00	269.0	46.0	46.0	995.0	350.0
79	3	7	3	(66)	5	2.00	269.0	41.0	41.0	995.0	350.0
79	3	7	4	(66)	5	2.00	268.0	36.0	36.0	995.0	350.0
79	3	7	5	(66)	4	2.00	268.0	16.0	16.0	995.0	995.0
79	3	7	6	(66)	4	2.00	268.0	26.0	26.0	995.0	995.0
79	3	7	7	(66)	5	2.00	268.0	42.0	42.0	25.0	350.0
79	3	7	8	(66)	5	2.00	269.0	15.0	15.0	71.0	350.0
79	3	7	9	(66)	5	2.00	270.0	14.0	14.0	118.0	350.0
79	3	7	10	(66)	5	2.00	270.0	31.0	31.0	164.0	350.0
79	3	7	11	(66)	5	2.00	271.0	36.0	36.0	211.0	350.0
79	3	7	12	(66)	5	2.00	272.0	28.0	28.0	257.0	350.0
79	3	7	13	(66)	5	2.00	271.0	32.0	32.0	304.0	350.0
79	3	7	14	(66)	5	2.00	271.0	33.0	33.0	350.0	350.0
79	3	7	15	(66)	5	2.00	271.0	30.0	30.0	350.0	350.0
79	3	7	16	(66)	5	2.00	271.0	24.0	24.0	350.0	350.0
79	3	7	17	(66)	5	2.00	270.0	22.0	22.0	350.0	350.0
79	3	7	18	(66)	5	2.00	269.0	25.0	25.0	350.0	350.0
79	3	7	19	(66)	4	2.00	269.0	19.0	19.0	350.0	350.0
79	3	7	20	(66)	5	2.00	268.0	16.0	16.0	351.0	352.0
79	3	7	21	(66)	4	2.00	267.0	6.0	6.0	351.0	351.0
79	3	7	22	(66)	5	2.00	267.0	356.0	356.0	351.0	353.0
79	3	7	23	(66)	5	2.00	267.0	355.0	355.0	352.0	354.0
79	3	7	24	(66)	5	2.00	267.0	355.0	355.0	352.0	355.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	8	1	(67)	5	2.00	267.0	358.0	358.0	350.0	355.0
79	3	8	2	(67)	5	2.00	267.0	358.0	358.0	350.0	355.0
79	3	8	3	(67)	4	2.00	267.0	354.0	354.0	350.0	350.0
79	3	8	4	(67)	4	2.00	267.0	1.0	1.0	350.0	350.0
79	3	8	5	(67)	4	2.00	267.0	10.0	10.0	350.0	350.0
79	3	8	6	(67)	5	2.00	267.0	11.0	11.0	350.0	355.0
79	3	8	7	(67)	5	2.00	268.0	32.0	32.0	26.0	355.0
79	3	8	8	(67)	5	2.00	268.0	39.0	39.0	73.0	355.0
79	3	8	9	(67)	5	2.00	269.0	53.0	53.0	120.0	355.0
79	3	8	10	(67)	5	2.00	270.0	65.0	65.0	167.0	355.0
79	3	8	11	(67)	4	2.00	271.0	70.0	70.0	354.0	354.0
79	3	8	12	(67)	3	2.00	272.0	89.0	89.0	261.0	355.0
79	3	8	13	(67)	4	2.00	272.0	95.0	95.0	355.0	355.0
79	3	8	14	(67)	4	2.00	273.0	114.0	114.0	355.0	355.0
79	3	8	15	(67)	3	2.00	273.0	113.0	113.0	355.0	355.0
79	3	8	16	(67)	4	2.00	273.0	87.0	87.0	355.0	355.0
79	3	8	17	(67)	3	2.00	272.0	95.0	95.0	355.0	355.0
79	3	8	18	(67)	4	2.00	272.0	107.0	107.0	350.0	350.0
79	3	8	19	(67)	4	2.00	272.0	117.0	117.0	336.0	336.0
79	3	8	20	(67)	4	2.00	272.0	130.0	130.0	319.0	319.0
79	3	8	21	(67)	4	2.00	272.0	129.0	129.0	301.0	301.0
79	3	8	22	(67)	4	2.00	272.0	141.0	141.0	281.0	281.0
79	3	8	23	(67)	3	2.00	272.0	158.0	158.0	257.0	123.0
79	3	8	24	(67)	3	2.00	272.0	163.0	163.0	231.0	80.0
79	3	9	1	(68)	4	2.00	272.0	189.0	189.0	555.0	555.0
79	3	9	2	(68)	4	2.00	272.0	178.0	178.0	582.0	582.0
79	3	9	3	(68)	3	2.00	272.0	175.0	175.0	609.0	80.0
79	3	9	4	(68)	2	2.00	272.0	168.0	168.0	637.0	80.0
79	3	9	5	(68)	3	2.00	272.0	170.0	170.0	664.0	80.0
79	3	9	6	(68)	3	2.00	272.0	174.0	174.0	691.0	80.0
79	3	9	7	(68)	4	2.00	272.0	182.0	182.0	538.0	538.0
79	3	9	8	(68)	3	2.00	272.0	176.0	176.0	133.0	197.0
79	3	9	9	(68)	4	2.00	273.0	191.0	191.0	566.0	566.0
79	3	9	10	(68)	4	2.00	273.0	195.0	195.0	580.0	580.0
79	3	9	11	(68)	4	2.00	273.0	193.0	193.0	594.0	594.0
79	3	9	12	(68)	5	2.00	274.0	196.0	196.0	468.0	489.0
79	3	9	13	(68)	5	2.00	274.0	198.0	198.0	551.0	562.0
79	3	9	14	(68)	5	2.00	274.0	195.0	195.0	635.0	635.0
79	3	9	15	(68)	5	2.00	274.0	203.0	203.0	635.0	635.0
79	3	9	16	(68)	5	2.00	274.0	206.0	206.0	635.0	635.0
79	3	9	17	(68)	5	2.00	273.0	232.0	232.0	635.0	635.0
79	3	9	18	(68)	5	2.00	272.0	233.0	233.0	636.0	638.0
79	3	9	19	(68)	4	2.00	271.0	266.0	266.0	639.0	639.0
79	3	9	20	(68)	4	2.00	269.0	313.0	313.0	643.0	643.0
79	3	9	21	(68)	4	2.00	266.0	317.0	317.0	648.0	648.0
79	3	9	22	(68)	5	2.00	265.0	319.0	319.0	652.0	679.0
79	3	9	23	(68)	4	2.00	264.0	308.0	308.0	658.0	658.0
79	3	9	24	(68)	4	2.00	263.0	301.0	301.0	664.0	664.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	10	1	(69)	4	2.00	261.0	297.0	297.0	657.0	657.0
79	3	10	2	(69)	4	2.00	260.0	292.0	292.0	660.0	660.0
79	3	10	3	(69)	4	2.00	259.0	294.0	294.0	662.0	662.0
79	3	10	4	(69)	4	2.00	259.0	291.0	291.0	665.0	665.0
79	3	10	5	(69)	4	2.00	257.0	268.0	268.0	668.0	668.0
79	3	10	6	(69)	4	2.00	256.0	271.0	271.0	671.0	671.0
79	3	10	7	(69)	4	2.00	256.0	283.0	283.0	717.0	717.0
79	3	10	8	(69)	4	2.00	256.0	294.0	294.0	723.0	723.0
79	3	10	9	(69)	4	2.00	257.0	282.0	282.0	729.0	729.0
79	3	10	10	(69)	4	2.00	258.0	266.0	266.0	735.0	735.0
79	3	10	11	(69)	4	2.00	261.0	281.0	281.0	742.0	742.0
79	3	10	12	(69)	3	2.00	262.0	299.0	299.0	561.0	744.0
79	3	10	13	(69)	4	2.00	262.0	308.0	308.0	754.0	754.0
79	3	10	14	(69)	4	2.00	262.0	315.0	315.0	760.0	760.0
79	3	10	15	(69)	5	2.00	262.0	335.0	335.0	760.0	760.0
79	3	10	16	(69)	4	2.00	262.0	306.0	306.0	760.0	760.0
79	3	10	17	(69)	4	3.90	261.0	306.0	306.0	760.0	760.0
79	3	10	18	(69)	4	5.80	259.0	323.0	323.0	754.0	754.0
79	3	10	19	(69)	4	4.70	258.0	303.0	303.0	731.0	731.0
79	3	10	20	(69)	4	4.60	257.0	304.0	304.0	705.0	705.0
79	3	10	21	(69)	4	4.70	256.0	284.0	284.0	677.0	677.0
79	3	10	22	(69)	5	4.30	255.0	263.0	263.0	645.0	467.0
79	3	10	23	(69)	5	4.80	254.0	269.0	269.0	609.0	398.0
79	3	10	24	(69)	5	5.10	254.0	270.0	270.0	567.0	330.0
79	3	11	1	(70)	5	5.00	254.0	271.0	271.0	864.0	330.0
79	3	11	2	(70)	4	5.70	254.0	276.0	276.0	878.0	878.0
79	3	11	3	(70)	4	4.90	255.0	273.0	273.0	893.0	893.0
79	3	11	4	(70)	4	4.20	255.0	260.0	260.0	907.0	907.0
79	3	11	5	(70)	5	3.10	255.0	233.0	233.0	921.0	330.0
79	3	11	6	(70)	5	3.20	256.0	237.0	237.0	935.0	330.0
79	3	11	7	(70)	4	2.30	256.0	224.0	224.0	668.0	668.0
79	3	11	8	(70)	4	1.50	257.0	194.0	194.0	661.0	661.0
79	3	11	9	(70)	5	1.90	259.0	199.0	199.0	215.0	431.0
79	3	11	10	(70)	4	2.10	262.0	224.0	224.0	648.0	648.0
79	3	11	11	(70)	3	3.70	265.0	281.0	281.0	377.0	506.0
79	3	11	12	(70)	3	4.40	267.0	289.0	289.0	458.0	544.0
79	3	11	13	(70)	4	4.90	268.0	286.0	286.0	627.0	627.0
79	3	11	14	(70)	4	4.70	269.0	303.0	303.0	620.0	620.0
79	3	11	15	(70)	4	4.90	270.0	312.0	312.0	620.0	620.0
79	3	11	16	(70)	4	5.80	270.0	317.0	317.0	620.0	620.0
79	3	11	17	(70)	4	7.10	270.0	326.0	326.0	620.0	620.0
79	3	11	18	(70)	5	7.40	268.0	335.0	335.0	613.0	596.0
79	3	11	19	(70)	4	8.00	267.0	359.0	359.0	582.0	582.0
79	3	11	20	(70)	5	4.30	266.0	277.0	277.0	547.0	411.0
79	3	11	21	(70)	5	2.10	264.0	259.0	259.0	509.0	318.0
79	3	11	22	(70)	5	3.60	263.0	267.0	267.0	466.0	225.0
79	3	11	23	(70)	5	3.80	264.0	270.0	270.0	417.0	133.0
79	3	11	24	(70)	5	3.80	264.0	267.0	267.0	361.0	40.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	12	1	(71)	5	4.00	264.0	280.0	280.0	958.0	40.0
79	3	12	2	(71)	5	5.40	263.0	302.0	302.0	1005.0	40.0
79	3	12	3	(71)	5	4.40	262.0	290.0	290.0	1051.0	40.0
79	3	12	4	(71)	5	3.90	262.0	278.0	278.0	1098.0	40.0
79	3	12	5	(71)	5	4.90	260.0	281.0	281.0	1145.0	40.0
79	3	12	6	(71)	5	5.80	259.0	288.0	288.0	1191.0	40.0
79	3	12	7	(71)	5	4.90	261.0	273.0	273.0	89.0	125.0
79	3	12	8	(71)	5	3.80	263.0	280.0	280.0	217.0	248.0
79	3	12	9	(71)	4	2.40	267.0	273.0	273.0	895.0	895.0
79	3	12	10	(71)	3	1.70	270.0	185.0	185.0	473.0	494.0
79	3	12	11	(71)	3	2.40	272.0	198.0	198.0	601.0	617.0
79	3	12	12	(71)	2	3.00	273.0	241.0	241.0	729.0	739.0
79	3	12	13	(71)	4	3.10	274.0	236.0	236.0	967.0	967.0
79	3	12	14	(71)	4	3.90	274.0	220.0	220.0	985.0	985.0
79	3	12	15	(71)	4	3.60	275.0	208.0	208.0	985.0	985.0
79	3	12	16	(71)	4	4.60	274.0	185.0	185.0	985.0	985.0
79	3	12	17	(71)	3	4.40	273.0	164.0	164.0	985.0	985.0
79	3	12	18	(71)	2	5.40	273.0	155.0	155.0	977.0	958.0
79	3	12	19	(71)	2	4.50	272.0	145.0	145.0	939.0	844.0
79	3	12	20	(71)	3	5.00	271.0	154.0	154.0	896.0	729.0
79	3	12	21	(71)	3	5.70	271.0	158.0	158.0	849.0	614.0
79	3	12	22	(71)	3	5.60	271.0	164.0	164.0	796.0	499.0
79	3	12	23	(71)	3	5.00	271.0	168.0	168.0	736.0	385.0
79	3	12	24	(71)	3	5.60	270.0	170.0	170.0	667.0	270.0
79	3	13	1	(72)	3	5.90	270.0	180.0	180.0	1090.0	270.0
79	3	13	2	(72)	3	6.30	270.0	180.0	180.0	1105.0	270.0
79	3	13	3	(72)	3	5.40	270.0	183.0	183.0	1119.0	270.0
79	3	13	4	(72)	4	3.80	270.0	179.0	179.0	1134.0	1134.0
79	3	13	5	(72)	3	4.20	270.0	178.0	178.0	1149.0	270.0
79	3	13	6	(72)	3	3.90	270.0	180.0	180.0	1163.0	270.0
79	3	13	7	(72)	3	3.10	270.0	174.0	174.0	53.0	298.0
79	3	13	8	(72)	3	2.60	271.0	179.0	179.0	126.0	336.0
79	3	13	9	(72)	3	1.70	272.0	170.0	170.0	199.0	374.0
79	3	13	10	(72)	2	2.40	273.0	143.0	143.0	273.0	412.0
79	3	13	11	(72)	2	1.70	274.0	127.0	127.0	346.0	450.0
79	3	13	12	(72)	3	1.80	275.0	118.0	118.0	419.0	489.0
79	3	13	13	(72)	4	1.50	275.0	98.0	98.0	586.0	586.0
79	3	13	14	(72)	4	1.30	276.0	68.0	68.0	565.0	565.0
79	3	13	15	(72)	2	2.70	277.0	29.0	29.0	565.0	565.0
79	3	13	16	(72)	3	3.10	276.0	349.0	349.0	565.0	565.0
79	3	13	17	(72)	4	5.40	275.0	338.0	338.0	565.0	565.0
79	3	13	18	(72)	4	8.30	275.0	2.0	2.0	565.0	565.0
79	3	13	19	(72)	5	10.60	273.0	340.0	340.0	563.0	558.0
79	3	13	20	(72)	5	13.00	271.0	356.0	356.0	561.0	553.0
79	3	13	21	(72)	5	11.80	268.0	342.0	342.0	558.0	547.0
79	3	13	22	(72)	5	9.80	268.0	341.0	341.0	556.0	541.0
79	3	13	23	(72)	5	9.10	267.0	321.0	321.0	553.0	536.0
79	3	13	24	(72)	4	8.90	266.0	312.0	312.0	549.0	549.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	14	1	(73)	4	8.60	266.0	310.0	310.0	844.0	844.0
79	3	14	2	(73)	4	7.40	265.0	302.0	302.0	883.0	883.0
79	3	14	3	(73)	4	5.80	264.0	299.0	299.0	922.0	922.0
79	3	14	4	(73)	4	4.20	264.0	295.0	295.0	961.0	961.0
79	3	14	5	(73)	4	2.30	264.0	267.0	267.0	1000.0	1000.0
79	3	14	6	(73)	4	1.30	264.0	173.0	173.0	1039.0	1039.0
79	3	14	7	(73)	3	7.40	265.0	298.0	298.0	129.0	607.0
79	3	14	8	(73)	4	10.50	265.0	306.0	306.0	1092.0	1092.0
79	3	14	9	(73)	4	11.10	265.0	304.0	304.0	1129.0	1129.0
79	3	14	10	(73)	5	12.10	266.0	323.0	323.0	637.0	910.0
79	3	14	11	(73)	5	12.60	265.0	334.0	334.0	807.0	1012.0
79	3	14	12	(73)	5	12.60	264.0	334.0	334.0	976.0	1113.0
79	3	14	13	(73)	5	10.70	263.0	325.0	325.0	1146.0	1214.0
79	3	14	14	(73)	5	10.90	262.0	319.0	319.0	1315.0	1315.0
79	3	14	15	(73)	4	10.50	261.0	311.0	311.0	1315.0	1315.0
79	3	14	16	(73)	4	11.00	260.0	317.0	317.0	1315.0	1315.0
79	3	14	17	(73)	4	8.00	260.0	313.0	313.0	1315.0	1315.0
79	3	14	18	(73)	4	7.00	259.0	309.0	309.0	1311.0	1311.0
79	3	14	19	(73)	4	6.10	259.0	304.0	304.0	1285.0	1285.0
79	3	14	20	(73)	4	5.30	259.0	291.0	291.0	1257.0	1257.0
79	3	14	21	(73)	4	5.40	258.0	284.0	284.0	1225.0	1225.0
79	3	14	22	(73)	4	5.40	258.0	284.0	284.0	1189.0	1189.0
79	3	14	23	(73)	4	5.90	258.0	297.0	297.0	1149.0	1149.0
79	3	14	24	(73)	4	6.00	258.0	301.0	301.0	1103.0	1103.0
79	3	15	1	(74)	4	5.70	258.0	293.0	293.0	1409.0	1409.0
79	3	15	2	(74)	4	5.70	257.0	280.0	280.0	1422.0	1422.0
79	3	15	3	(74)	4	6.20	257.0	283.0	283.0	1435.0	1435.0
79	3	15	4	(74)	4	5.40	256.0	275.0	275.0	1449.0	1449.0
79	3	15	5	(74)	4	6.20	256.0	279.0	279.0	1462.0	1462.0
79	3	15	6	(74)	4	5.50	256.0	281.0	281.0	1475.0	1475.0
79	3	15	7	(74)	4	4.00	256.0	272.0	272.0	1175.0	1175.0
79	3	15	8	(74)	4	4.10	258.0	295.0	295.0	1164.0	1164.0
79	3	15	9	(74)	3	3.60	259.0	277.0	277.0	395.0	930.0
79	3	15	10	(74)	4	3.20	260.0	259.0	259.0	1143.0	1143.0
79	3	15	11	(74)	4	3.60	265.0	275.0	275.0	1132.0	1132.0
79	3	15	12	(74)	3	3.30	267.0	265.0	265.0	818.0	1032.0
79	3	15	13	(74)	3	2.70	269.0	256.0	256.0	959.0	1066.0
79	3	15	14	(74)	2	2.00	271.0	227.0	227.0	1100.0	1100.0
79	3	15	15	(74)	4	4.40	272.0	215.0	215.0	1100.0	1100.0
79	3	15	16	(74)	4	5.20	273.0	210.0	210.0	1100.0	1100.0
79	3	15	17	(74)	4	5.30	273.0	237.0	237.0	1100.0	1100.0
79	3	15	18	(74)	5	4.20	271.0	208.0	208.0	1093.0	1078.0
79	3	15	19	(74)	5	6.20	270.0	213.0	213.0	1049.0	944.0
79	3	15	20	(74)	5	6.60	268.0	218.0	218.0	1000.0	809.0
79	3	15	21	(74)	5	6.80	267.0	225.0	225.0	946.0	674.0
79	3	15	22	(74)	5	6.40	266.0	230.0	230.0	884.0	539.0
79	3	15	23	(74)	5	5.40	265.0	241.0	241.0	814.0	405.0
79	3	15	24	(74)	5	4.50	265.0	234.0	234.0	735.0	270.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	16	1	(75)	4	4.90	265.0	244.0	244.0	1229.0	1229.0
79	3	16	2	(75)	5	5.00	265.0	229.0	229.0	1247.0	270.0
79	3	16	3	(75)	5	5.20	265.0	201.0	201.0	1266.0	270.0
79	3	16	4	(75)	4	3.80	262.0	116.0	116.0	1284.0	1284.0
79	3	16	5	(75)	4	3.70	261.0	96.0	96.0	1302.0	1302.0
79	3	16	6	(75)	4	3.10	261.0	84.0	84.0	1320.0	1320.0
79	3	16	7	(75)	2	2.90	263.0	156.0	156.0	67.0	309.0
79	3	16	8	(75)	3	1.70	265.0	174.0	174.0	148.0	355.0
79	3	16	9	(75)	3	2.40	269.0	178.0	178.0	229.0	402.0
79	3	16	10	(75)	4	3.90	273.0	194.0	194.0	727.0	727.0
79	3	16	11	(75)	4	3.70	278.0	188.0	188.0	704.0	704.0
79	3	16	12	(75)	3	3.10	280.0	182.0	182.0	473.0	542.0
79	3	16	13	(75)	4	4.60	283.0	227.0	227.0	658.0	658.0
79	3	16	14	(75)	4	6.10	284.0	232.0	232.0	635.0	635.0
79	3	16	15	(75)	4	6.50	284.0	232.0	232.0	635.0	635.0
79	3	16	16	(75)	4	6.00	285.0	234.0	234.0	635.0	635.0
79	3	16	17	(75)	4	5.70	284.0	229.0	229.0	635.0	635.0
79	3	16	18	(75)	5	7.30	282.0	226.0	226.0	632.0	624.0
79	3	16	19	(75)	5	6.80	280.0	219.0	219.0	605.0	543.0
79	3	16	20	(75)	5	6.70	279.0	214.0	214.0	576.0	463.0
79	3	16	21	(75)	5	5.50	277.0	188.0	188.0	544.0	382.0
79	3	16	22	(75)	3	5.00	275.0	179.0	179.0	507.0	301.0
79	3	16	23	(75)	3	4.20	274.0	153.0	153.0	465.0	221.0
79	3	16	24	(75)	2	4.20	274.0	145.0	145.0	416.0	140.0
79	3	17	1	(76)	2	3.90	274.0	217.0	217.0	667.0	140.0
79	3	17	2	(76)	5	2.70	273.0	146.0	146.0	671.0	140.0
79	3	17	3	(76)	3	3.00	273.0	136.0	136.0	676.0	140.0
79	3	17	4	(76)	2	2.70	272.0	145.0	145.0	680.0	140.0
79	3	17	5	(76)	3	2.90	272.0	94.0	94.0	685.0	140.0
79	3	17	6	(76)	4	3.40	271.0	99.0	99.0	689.0	689.0
79	3	17	7	(76)	4	3.40	272.0	128.0	128.0	371.0	371.0
79	3	17	8	(76)	4	3.10	273.0	137.0	137.0	351.0	351.0
79	3	17	9	(76)	2	4.30	276.0	151.0	151.0	84.0	173.0
79	3	17	10	(76)	3	5.30	278.0	149.0	149.0	113.0	184.0
79	3	17	11	(76)	3	5.00	279.0	140.0	140.0	142.0	196.0
79	3	17	12	(76)	3	4.30	280.0	142.0	142.0	172.0	207.0
79	3	17	13	(76)	3	5.90	279.0	146.0	146.0	201.0	219.0
79	3	17	14	(76)	3	5.40	279.0	152.0	152.0	230.0	230.0
79	3	17	15	(76)	3	6.70	278.0	174.0	174.0	230.0	230.0
79	3	17	16	(76)	2	6.40	277.0	154.0	154.0	230.0	230.0
79	3	17	17	(76)	3	5.20	277.0	148.0	148.0	230.0	230.0
79	3	17	18	(76)	3	5.80	276.0	148.0	148.0	230.0	229.0
79	3	17	19	(76)	3	5.80	275.0	140.0	140.0	228.0	225.0
79	3	17	20	(76)	2	4.10	275.0	140.0	140.0	226.0	220.0
79	3	17	21	(76)	3	3.30	274.0	149.0	149.0	225.0	215.0
79	3	17	22	(76)	3	3.50	274.0	141.0	141.0	222.0	210.0
79	3	17	23	(76)	4	2.70	274.0	133.0	133.0	220.0	220.0
79	3	17	24	(76)	3	2.40	274.0	111.0	111.0	217.0	200.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	18	1	(77)	3	2.70	274.0	119.0	119.0	279.0	200.0
79	3	18	2	(77)	3	2.70	274.0	114.0	114.0	286.0	200.0
79	3	18	3	(77)	3	1.90	274.0	89.0	89.0	293.0	200.0
79	3	18	4	(77)	2	2.10	274.0	106.0	106.0	300.0	200.0
79	3	18	5	(77)	3	1.60	274.0	92.0	92.0	307.0	200.0
79	3	18	6	(77)	3	1.70	274.0	101.0	101.0	314.0	200.0
79	3	18	7	(77)	2	2.20	274.0	101.0	101.0	39.0	216.0
79	3	18	8	(77)	4	1.90	275.0	97.0	97.0	307.0	307.0
79	3	18	9	(77)	4	1.50	275.0	95.0	95.0	313.0	313.0
79	3	18	10	(77)	4	1.50	275.0	90.0	90.0	318.0	318.0
79	3	18	11	(77)	3	2.10	276.0	84.0	84.0	211.0	287.0
79	3	18	12	(77)	2	1.70	277.0	88.0	88.0	254.0	305.0
79	3	18	13	(77)	2	2.40	277.0	94.0	94.0	297.0	322.0
79	3	18	14	(77)	3	2.50	277.0	90.0	90.0	340.0	340.0
79	3	18	15	(77)	4	2.50	277.0	87.0	87.0	340.0	340.0
79	3	18	16	(77)	3	3.30	276.0	72.0	72.0	340.0	340.0
79	3	18	17	(77)	4	3.20	276.0	97.0	97.0	340.0	340.0
79	3	18	18	(77)	3	3.10	275.0	104.0	104.0	337.0	336.0
79	3	18	19	(77)	3	2.40	275.0	86.0	86.0	323.0	287.0
79	3	18	20	(77)	4	3.70	276.0	94.0	94.0	306.0	306.0
79	3	18	21	(77)	3	2.80	276.0	95.0	95.0	286.0	190.0
79	3	18	22	(77)	3	4.10	276.0	88.0	88.0	265.0	142.0
79	3	18	23	(77)	4	4.20	276.0	79.0	79.0	240.0	240.0
79	3	18	24	(77)	3	4.00	276.0	88.0	88.0	212.0	45.0
79	3	19	1	(78)	3	3.40	276.0	96.0	96.0	340.0	45.0
79	3	19	2	(78)	3	3.40	276.0	91.0	91.0	340.0	45.0
79	3	19	3	(78)	4	3.60	276.0	101.0	101.0	340.0	340.0
79	3	19	4	(78)	3	3.60	276.0	100.0	100.0	340.0	45.0
79	3	19	5	(78)	3	4.60	277.0	97.0	97.0	340.0	45.0
79	3	19	6	(78)	2	4.40	277.0	103.0	103.0	340.0	45.0
79	3	19	7	(78)	2	5.40	277.0	109.0	109.0	5.0	45.0
79	3	19	8	(78)	2	5.30	278.0	110.0	110.0	11.0	45.0
79	3	19	9	(78)	2	5.70	278.0	111.0	111.0	17.0	45.0
79	3	19	10	(78)	1	5.30	278.0	124.0	124.0	22.0	45.0
79	3	19	11	(78)	2	5.40	278.0	116.0	116.0	28.0	45.0
79	3	19	12	(78)	4	5.30	278.0	117.0	117.0	74.0	74.0
79	3	19	13	(78)	4	5.40	277.0	113.0	113.0	60.0	60.0
79	3	19	14	(78)	3	4.90	277.0	114.0	114.0	45.0	45.0
79	3	19	15	(78)	4	4.80	277.0	116.0	116.0	45.0	45.0
79	3	19	16	(78)	3	4.30	277.0	114.0	114.0	45.0	45.0
79	3	19	17	(78)	3	4.50	277.0	114.0	114.0	45.0	45.0
79	3	19	18	(78)	3	4.50	277.0	112.0	112.0	47.0	50.0
79	3	19	19	(78)	4	4.70	276.0	114.0	114.0	71.0	71.0
79	3	19	20	(78)	4	3.60	276.0	108.0	108.0	98.0	98.0
79	3	19	21	(78)	4	4.40	276.0	113.0	113.0	128.0	128.0
79	3	19	22	(78)	3	4.30	275.0	119.0	119.0	162.0	353.0
79	3	19	23	(78)	4	3.60	275.0	122.0	122.0	200.0	200.0
79	3	19	24	(78)	3	4.10	275.0	114.0	114.0	244.0	505.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	20	1	(79)	4	3.80	275.0	112.0	112.0	45.0	45.0
79	3	20	2	(79)	1	3.40	275.0	118.0	118.0	45.0	505.0
79	3	20	3	(79)	2	4.80	275.0	118.0	118.0	45.0	505.0
79	3	20	4	(79)	2	2.90	275.0	126.0	126.0	45.0	505.0
79	3	20	5	(79)	2	1.70	275.0	149.0	149.0	45.0	505.0
79	3	20	6	(79)	5	1.30	275.0	115.0	115.0	45.0	505.0
79	3	20	7	(79)	5	1.40	275.0	130.0	130.0	61.0	505.0
79	3	20	8	(79)	4	2.80	275.0	233.0	233.0	367.0	367.0
79	3	20	9	(79)	4	3.30	275.0	253.0	253.0	390.0	390.0
79	3	20	10	(79)	4	2.50	275.0	236.0	236.0	413.0	413.0
79	3	20	11	(79)	4	3.20	275.0	225.0	225.0	436.0	436.0
79	3	20	12	(79)	5	2.40	276.0	198.0	198.0	378.0	505.0
79	3	20	13	(79)	5	2.60	277.0	232.0	232.0	442.0	505.0
79	3	20	14	(79)	4	2.50	277.0	253.0	253.0	505.0	505.0
79	3	20	15	(79)	4	2.20	277.0	254.0	254.0	505.0	505.0
79	3	20	16	(79)	4	3.60	277.0	248.0	248.0	505.0	505.0
79	3	20	17	(79)	4	2.20	277.0	242.0	242.0	505.0	505.0
79	3	20	18	(79)	5	3.10	277.0	226.0	226.0	506.0	508.0
79	3	20	19	(79)	5	3.50	276.0	206.0	206.0	527.0	574.0
79	3	20	20	(79)	5	3.00	276.0	222.0	222.0	550.0	640.0
79	3	20	21	(79)	5	3.40	276.0	233.0	233.0	577.0	706.0
79	3	20	22	(79)	4	3.80	275.0	261.0	261.0	606.0	606.0
79	3	20	23	(79)	5	3.00	275.0	258.0	258.0	639.0	839.0
79	3	20	24	(79)	5	3.00	275.0	247.0	247.0	676.0	905.0
79	3	21	1	(80)	5	2.80	275.0	248.0	248.0	505.0	905.0
79	3	21	2	(80)	4	3.40	275.0	256.0	256.0	505.0	505.0
79	3	21	3	(80)	5	2.00	274.0	218.0	218.0	505.0	905.0
79	3	21	4	(80)	5	2.50	274.0	219.0	219.0	505.0	905.0
79	3	21	5	(80)	5	2.40	274.0	237.0	237.0	505.0	905.0
79	3	21	6	(80)	5	3.40	274.0	252.0	252.0	505.0	905.0
79	3	21	7	(80)	4	4.20	274.0	256.0	256.0	765.0	765.0
79	3	21	8	(80)	4	3.90	274.0	250.0	250.0	785.0	785.0
79	3	21	9	(80)	4	3.50	274.0	250.0	250.0	805.0	805.0
79	3	21	10	(80)	4	2.80	275.0	237.0	237.0	825.0	825.0
79	3	21	11	(80)	4	3.20	275.0	236.0	236.0	845.0	845.0
79	3	21	12	(80)	4	3.00	276.0	250.0	250.0	865.0	865.0
79	3	21	13	(80)	4	3.00	276.0	263.0	263.0	885.0	885.0
79	3	21	14	(80)	4	2.50	277.0	281.0	281.0	905.0	905.0
79	3	21	15	(80)	4	2.10	277.0	288.0	288.0	905.0	905.0
79	3	21	16	(80)	4	1.60	278.0	248.0	248.0	905.0	905.0
79	3	21	17	(80)	4	0.60	278.0	7.0	7.0	905.0	905.0
79	3	21	18	(80)	4	2.20	277.0	73.0	73.0	904.0	904.0
79	3	21	19	(80)	4	2.20	275.0	97.0	97.0	871.0	871.0
79	3	21	20	(80)	3	2.20	275.0	85.0	85.0	834.0	692.0
79	3	21	21	(80)	4	2.80	274.0	92.0	92.0	792.0	792.0
79	3	21	22	(80)	4	2.40	274.0	103.0	103.0	746.0	746.0
79	3	21	23	(80)	4	1.90	274.0	311.0	311.0	693.0	693.0
79	3	21	24	(80)	2	1.80	274.0	126.0	126.0	632.0	270.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	22	1	(81)	5	1.30	274.0	93.0	93.0	966.0	270.0
79	3	22	2	(81)	4	2.20	273.0	102.0	102.0	975.0	975.0
79	3	22	3	(81)	5	1.40	273.0	83.0	83.0	984.0	270.0
79	3	22	4	(81)	2	1.60	273.0	115.0	115.0	992.0	270.0
79	3	22	5	(81)	4	1.40	273.0	100.0	100.0	1001.0	1001.0
79	3	22	6	(81)	5	1.10	273.0	66.0	66.0	2.0	271.0
79	3	22	7	(81)	4	1.10	273.0	70.0	70.0	606.0	606.0
79	3	22	8	(81)	4	2.20	275.0	91.0	91.0	583.0	583.0
79	3	22	9	(81)	1	2.40	277.0	112.0	112.0	168.0	336.0
79	3	22	10	(81)	3	2.70	279.0	99.0	99.0	223.0	358.0
79	3	22	11	(81)	1	2.00	280.0	107.0	107.0	279.0	380.0
79	3	22	12	(81)	3	2.90	281.0	60.0	60.0	334.0	401.0
79	3	22	13	(81)	4	2.50	282.0	86.0	86.0	468.0	468.0
79	3	22	14	(81)	3	2.20	282.0	124.0	124.0	445.0	445.0
79	3	22	15	(81)	2	2.50	282.0	96.0	96.0	445.0	445.0
79	3	22	16	(81)	2	3.20	281.0	93.0	93.0	445.0	445.0
79	3	22	17	(81)	3	3.50	279.0	105.0	105.0	445.0	445.0
79	3	22	18	(81)	3	3.30	278.0	92.0	92.0	445.0	445.0
79	3	22	19	(81)	4	2.80	277.0	93.0	93.0	431.0	431.0
79	3	22	20	(81)	2	3.20	276.0	99.0	99.0	415.0	354.0
79	3	22	21	(81)	3	2.90	276.0	100.0	100.0	397.0	308.0
79	3	22	22	(81)	2	3.50	276.0	102.0	102.0	376.0	262.0
79	3	22	23	(81)	4	2.50	277.0	32.0	32.0	353.0	353.0
79	3	22	24	(81)	2	2.50	277.0	342.0	342.0	327.0	170.0
79	3	23	1	(82)	4	3.20	276.0	26.0	26.0	494.0	494.0
79	3	23	2	(82)	5	3.30	276.0	14.0	14.0	501.0	170.0
79	3	23	3	(82)	5	4.70	276.0	31.0	31.0	508.0	170.0
79	3	23	4	(82)	3	5.00	276.0	38.0	38.0	515.0	170.0
79	3	23	5	(82)	3	5.40	276.0	42.0	42.0	522.0	170.0
79	3	23	6	(82)	3	4.70	276.0	38.0	38.0	3.0	171.0
79	3	23	7	(82)	4	5.60	276.0	22.0	22.0	357.0	357.0
79	3	23	8	(82)	5	4.60	276.0	20.0	20.0	79.0	206.0
79	3	23	9	(82)	4	4.30	276.0	11.0	11.0	344.0	344.0
79	3	23	10	(82)	5	4.70	276.0	359.0	359.0	156.0	241.0
79	3	23	11	(82)	5	6.70	276.0	5.0	5.0	195.0	258.0
79	3	23	12	(82)	5	6.70	275.0	3.0	3.0	233.0	275.0
79	3	23	13	(82)	5	8.00	275.0	10.0	10.0	272.0	293.0
79	3	23	14	(82)	5	7.90	275.0	8.0	8.0	310.0	310.0
79	3	23	15	(82)	5	8.70	275.0	7.0	7.0	310.0	310.0
79	3	23	16	(82)	5	9.70	274.0	11.0	11.0	310.0	310.0
79	3	23	17	(82)	5	9.80	274.0	10.0	10.0	310.0	310.0
79	3	23	18	(82)	5	11.30	273.0	8.0	8.0	310.0	310.0
79	3	23	19	(82)	5	10.30	272.0	4.0	4.0	337.0	395.0
79	3	23	20	(82)	5	11.70	271.0	3.0	3.0	367.0	482.0
79	3	23	21	(82)	5	10.30	270.0	359.0	359.0	401.0	569.0
79	3	23	22	(82)	5	10.30	269.0	360.0	360.0	439.0	656.0
79	3	23	23	(82)	5	9.90	268.0	1.0	1.0	482.0	743.0
79	3	23	24	(82)	5	10.20	267.0	356.0	356.0	532.0	830.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	24	1	(83)	5	11.10	267.0	358.0	358.0	338.0	830.0
79	3	24	2	(83)	4	10.60	266.0	357.0	357.0	342.0	342.0
79	3	24	3	(83)	4	11.00	266.0	357.0	357.0	346.0	346.0
79	3	24	4	(83)	5	11.30	265.0	353.0	353.0	350.0	830.0
79	3	24	5	(83)	4	10.60	265.0	357.0	357.0	354.0	354.0
79	3	24	6	(83)	4	12.10	264.0	357.0	357.0	669.0	669.0
79	3	24	7	(83)	5	11.10	264.0	354.0	354.0	124.0	841.0
79	3	24	8	(83)	5	11.10	264.0	356.0	356.0	236.0	851.0
79	3	24	9	(83)	5	11.60	264.0	358.0	358.0	348.0	861.0
79	3	24	10	(83)	5	12.80	264.0	360.0	360.0	461.0	870.0
79	3	24	11	(83)	5	12.90	263.0	358.0	358.0	573.0	880.0
79	3	24	12	(83)	5	11.70	263.0	359.0	359.0	685.0	890.0
79	3	24	13	(83)	5	11.90	263.0	358.0	358.0	798.0	900.0
79	3	24	14	(83)	4	12.80	263.0	1.0	1.0	910.0	910.0
79	3	24	15	(83)	5	12.40	263.0	359.0	359.0	910.0	910.0
79	3	24	16	(83)	5	11.60	263.0	2.0	2.0	910.0	910.0
79	3	24	17	(83)	5	11.50	263.0	358.0	358.0	910.0	910.0
79	3	24	18	(83)	5	10.60	263.0	360.0	360.0	910.0	910.0
79	3	24	19	(83)	5	9.70	263.0	359.0	359.0	909.0	905.0
79	3	24	20	(83)	5	10.20	263.0	2.0	2.0	907.0	900.0
79	3	24	21	(83)	5	9.90	263.0	1.0	1.0	905.0	895.0
79	3	24	22	(83)	5	9.50	263.0	2.0	2.0	903.0	890.0
79	3	24	23	(83)	5	9.70	263.0	360.0	360.0	900.0	885.0
79	3	24	24	(83)	5	9.30	263.0	360.0	360.0	897.0	880.0
79	3	25	1	(84)	5	8.90	262.0	355.0	355.0	1134.0	880.0
79	3	25	2	(84)	4	9.30	262.0	359.0	359.0	1167.0	1167.0
79	3	25	3	(84)	5	8.40	262.0	352.0	352.0	1199.0	880.0
79	3	25	4	(84)	5	9.20	262.0	351.0	351.0	1231.0	880.0
79	3	25	5	(84)	5	9.90	262.0	351.0	351.0	1264.0	880.0
79	3	25	6	(84)	5	9.50	261.0	348.0	348.0	25.0	891.0
79	3	25	7	(84)	5	10.10	262.0	347.0	347.0	213.0	970.0
79	3	25	8	(84)	5	9.60	262.0	348.0	348.0	400.0	1049.0
79	3	25	9	(84)	5	9.00	263.0	351.0	351.0	588.0	1129.0
79	3	25	10	(84)	5	9.80	264.0	354.0	354.0	775.0	1208.0
79	3	25	11	(84)	5	10.40	265.0	348.0	348.0	963.0	1287.0
79	3	25	12	(84)	5	9.40	266.0	357.0	357.0	1150.0	1366.0
79	3	25	13	(84)	5	9.50	266.0	352.0	352.0	1338.0	1446.0
79	3	25	14	(84)	5	10.50	266.0	351.0	351.0	1525.0	1525.0
79	3	25	15	(84)	5	9.70	266.0	360.0	360.0	1525.0	1525.0
79	3	25	16	(84)	5	9.30	266.0	356.0	356.0	1525.0	1525.0
79	3	25	17	(84)	5	8.80	265.0	352.0	352.0	1525.0	1525.0
79	3	25	18	(84)	5	8.10	264.0	357.0	357.0	1525.0	1525.0
79	3	25	19	(84)	5	7.00	264.0	357.0	357.0	1474.0	1360.0
79	3	25	20	(84)	5	5.90	263.0	334.0	334.0	1412.0	1182.0
79	3	25	21	(84)	5	5.80	263.0	310.0	310.0	1344.0	1004.0
79	3	25	22	(84)	4	5.50	262.0	310.0	310.0	1266.0	1266.0
79	3	25	23	(84)	4	5.40	261.0	298.0	298.0	1179.0	1179.0
79	3	25	24	(84)	4	5.00	261.0	286.0	286.0	1079.0	1079.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	26	1	(85)	4	4.50	261.0	285.0	285.0	1905.0	1905.0
79	3	26	2	(85)	4	4.20	261.0	290.0	290.0	1960.0	1960.0
79	3	26	3	(85)	5	3.70	261.0	279.0	279.0	2015.0	470.0
79	3	26	4	(85)	5	4.00	260.0	276.0	276.0	2070.0	470.0
79	3	26	5	(85)	5	4.60	260.0	288.0	288.0	2125.0	470.0
79	3	26	6	(85)	5	4.20	260.0	287.0	287.0	32.0	493.0
79	3	26	7	(85)	4	4.80	261.0	298.0	298.0	1551.0	1551.0
79	3	26	8	(85)	5	4.20	264.0	335.0	335.0	415.0	761.0
79	3	26	9	(85)	5	4.80	265.0	326.0	326.0	607.0	895.0
79	3	26	10	(85)	4	4.80	266.0	339.0	339.0	1557.0	1557.0
79	3	26	11	(85)	5	4.20	267.0	348.0	348.0	990.0	1163.0
79	3	26	12	(85)	5	3.90	268.0	329.0	329.0	1182.0	1297.0
79	3	26	13	(85)	4	4.10	269.0	308.0	308.0	1563.0	1563.0
79	3	26	14	(85)	4	5.40	269.0	299.0	299.0	1565.0	1565.0
79	3	26	15	(85)	4	5.10	269.0	303.0	303.0	1565.0	1565.0
79	3	26	16	(85)	4	5.10	269.0	308.0	308.0	1565.0	1565.0
79	3	26	17	(85)	5	5.30	268.0	320.0	320.0	1565.0	1565.0
79	3	26	18	(85)	4	5.40	267.0	303.0	303.0	1565.0	1565.0
79	3	26	19	(85)	4	5.20	266.0	308.0	308.0	1493.0	1493.0
79	3	26	20	(85)	5	5.40	265.0	320.0	320.0	1406.0	1079.0
79	3	26	21	(85)	5	5.00	264.0	311.0	311.0	1307.0	823.0
79	3	26	22	(85)	5	3.70	263.0	301.0	301.0	1197.0	567.0
79	3	26	23	(85)	5	3.80	262.0	298.0	298.0	1072.0	311.0
79	3	26	24	(85)	5	3.90	261.0	295.0	295.0	929.0	55.0
79	3	27	1	(86)	5	4.30	260.0	275.0	275.0	2103.0	55.0
79	3	27	2	(86)	5	3.90	259.0	285.0	285.0	2181.0	55.0
79	3	27	3	(86)	5	4.30	259.0	281.0	281.0	2259.0	55.0
79	3	27	4	(86)	5	4.20	259.0	281.0	281.0	2338.0	55.0
79	3	27	5	(86)	5	5.10	258.0	286.0	286.0	2416.0	55.0
79	3	27	6	(86)	5	6.10	258.0	278.0	278.0	40.0	93.0
79	3	27	7	(86)	5	6.20	261.0	277.0	277.0	236.0	283.0
79	3	27	8	(86)	4	2.50	264.0	272.0	272.0	1596.0	1596.0
79	3	27	9	(86)	4	1.50	267.0	287.0	287.0	1599.0	1599.0
79	3	27	10	(86)	2	2.00	270.0	262.0	262.0	825.0	852.0
79	3	27	11	(86)	1	2.10	271.0	293.0	293.0	1021.0	1041.0
79	3	27	12	(86)	2	3.10	272.0	311.0	311.0	1217.0	1231.0
79	3	27	13	(86)	6	6.10	272.0	311.0	311.0	1414.0	1420.0
79	3	27	14	(86)	6	6.10	272.0	311.0	311.0	1610.0	1610.0
79	3	27	15	(86)	5	4.20	272.0	56.0	56.0	1610.0	1610.0
79	3	27	16	(86)	5	3.10	278.0	163.0	163.0	1610.0	1610.0
79	3	27	17	(86)	3	3.00	275.0	186.0	186.0	1610.0	1610.0
79	3	27	18	(86)	4	2.70	272.0	189.0	189.0	1610.0	1610.0
79	3	27	19	(86)	3	2.20	271.0	201.0	201.0	1553.0	1427.0
79	3	27	20	(86)	3	2.60	271.0	195.0	195.0	1482.0	1219.0
79	3	27	21	(86)	3	2.60	270.0	202.0	202.0	1403.0	1010.0
79	3	27	22	(86)	4	2.30	270.0	202.0	202.0	1313.0	1313.0
79	3	27	23	(86)	3	2.20	270.0	193.0	193.0	1212.0	593.0
79	3	27	24	(86)	3	2.20	269.0	196.0	196.0	1096.0	385.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	28	1	(87)	2	1.70	268.0	187.0	187.0	1667.0	385.0
79	3	28	2	(87)	2	1.70	268.0	191.0	191.0	1675.0	385.0
79	3	28	3	(87)	1	1.70	268.0	179.0	179.0	1684.0	385.0
79	3	28	4	(87)	2	2.00	269.0	172.0	172.0	1692.0	385.0
79	3	28	5	(87)	2	2.00	269.0	180.0	180.0	1700.0	385.0
79	3	28	6	(87)	2	2.10	270.0	176.0	176.0	16.0	390.0
79	3	28	7	(87)	2	2.10	271.0	177.0	177.0	83.0	410.0
79	3	28	8	(87)	3	1.90	272.0	166.0	166.0	149.0	430.0
79	3	28	9	(87)	2	1.90	274.0	162.0	162.0	216.0	450.0
79	3	28	10	(87)	2	2.00	275.0	172.0	172.0	283.0	470.0
79	3	28	11	(87)	2	2.00	274.0	175.0	175.0	350.0	490.0
79	3	28	12	(87)	2	2.10	275.0	175.0	175.0	416.0	510.0
79	3	28	13	(87)	1	2.00	275.0	266.0	266.0	483.0	530.0
79	3	28	14	(87)	5	1.00	275.0	97.0	97.0	550.0	550.0
79	3	28	15	(87)	5	0.00	275.0	50.0	50.0	550.0	550.0
79	3	28	16	(87)	5	0.00	275.0	64.0	64.0	550.0	550.0
79	3	28	17	(87)	5	0.30	275.0	114.0	114.0	550.0	550.0
79	3	28	18	(87)	3	2.00	275.0	120.0	120.0	550.0	550.0
79	3	28	19	(87)	5	2.00	273.0	208.0	208.0	534.0	497.0
79	3	28	20	(87)	4	2.40	273.0	202.0	202.0	513.0	513.0
79	3	28	21	(87)	4	2.60	273.0	216.0	216.0	490.0	490.0
79	3	28	22	(87)	5	3.10	274.0	217.0	217.0	463.0	313.0
79	3	28	23	(87)	5	3.10	274.0	266.0	266.0	434.0	251.0
79	3	28	24	(87)	5	3.60	274.0	280.0	280.0	396.0	190.0
79	3	29	1	(88)	5	4.60	275.0	313.0	313.0	550.0	190.0
79	3	29	2	(88)	4	7.10	276.0	345.0	345.0	550.0	550.0
79	3	29	3	(88)	5	6.90	274.0	346.0	346.0	550.0	190.0
79	3	29	4	(88)	5	5.90	273.0	351.0	351.0	550.0	190.0
79	3	29	5	(88)	5	6.30	272.0	4.0	4.0	550.0	190.0
79	3	29	6	(88)	5	4.80	271.0	360.0	360.0	6.0	190.0
79	3	29	7	(88)	5	5.60	271.0	23.0	23.0	29.0	190.0
79	3	29	8	(88)	5	4.90	272.0	38.0	38.0	52.0	190.0
79	3	29	9	(88)	5	5.40	272.0	42.0	42.0	75.0	190.0
79	3	29	10	(88)	5	3.20	273.0	65.0	65.0	98.0	190.0
79	3	29	11	(88)	4	3.80	273.0	88.0	88.0	244.0	244.0
79	3	29	12	(88)	4	4.60	274.0	82.0	82.0	226.0	226.0
79	3	29	13	(88)	5	4.60	274.0	88.0	88.0	167.0	190.0
79	3	29	14	(88)	1	3.80	276.0	118.0	118.0	190.0	190.0
79	3	29	15	(88)	4	4.70	276.0	133.0	133.0	190.0	190.0
79	3	29	16	(88)	4	4.70	275.0	112.0	112.0	190.0	190.0
79	3	29	17	(88)	4	4.30	274.0	115.0	115.0	190.0	190.0
79	3	29	18	(88)	5	5.80	273.0	94.0	94.0	190.0	190.0
79	3	29	19	(88)	5	4.70	273.0	108.0	108.0	197.0	214.0
79	3	29	20	(88)	5	3.40	273.0	115.0	115.0	207.0	243.0
79	3	29	21	(88)	5	5.30	273.0	108.0	108.0	218.0	273.0
79	3	29	22	(88)	5	5.40	273.0	100.0	100.0	231.0	302.0
79	3	29	23	(88)	5	5.40	273.0	107.0	107.0	245.0	331.0
79	3	29	24	(88)	5	5.80	273.0	86.0	86.0	261.0	360.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	3	30	1	(89)	3	5.50	273.0	111.0	111.0	274.0	360.0
79	3	30	2	(89)	2	4.50	273.0	119.0	119.0	287.0	360.0
79	3	30	3	(89)	3	5.40	273.0	114.0	114.0	299.0	360.0
79	3	30	4	(89)	3	4.20	273.0	136.0	136.0	311.0	360.0
79	3	30	5	(89)	4	4.20	273.0	128.0	128.0	324.0	324.0
79	3	30	6	(89)	3	2.00	273.0	162.0	162.0	22.0	369.0
79	3	30	7	(89)	5	1.20	274.0	200.0	200.0	95.0	398.0
79	3	30	8	(89)	5	0.60	274.0	117.0	117.0	168.0	428.0
79	3	30	9	(89)	5	0.90	274.0	79.0	79.0	241.0	457.0
79	3	30	10	(89)	3	1.50	275.0	122.0	122.0	314.0	487.0
79	3	30	11	(89)	1	2.70	277.0	151.0	151.0	386.0	516.0
79	3	30	12	(89)	4	2.50	278.0	127.0	127.0	563.0	563.0
79	3	30	13	(89)	3	1.50	278.0	89.0	89.0	532.0	575.0
79	3	30	14	(89)	4	2.50	279.0	121.0	121.0	605.0	605.0
79	3	30	15	(89)	4	3.20	279.0	39.0	39.0	605.0	605.0
79	3	30	16	(89)	5	5.90	278.0	343.0	343.0	605.0	605.0
79	3	30	17	(89)	5	7.70	276.0	337.0	337.0	605.0	605.0
79	3	30	18	(89)	5	9.30	274.0	348.0	348.0	605.0	605.0
79	3	30	19	(89)	5	7.90	273.0	360.0	360.0	591.0	558.0
79	3	30	20	(89)	5	8.70	274.0	355.0	355.0	571.0	501.0
79	3	30	21	(89)	5	8.90	273.0	2.0	2.0	550.0	443.0
79	3	30	22	(89)	5	9.10	273.0	3.0	3.0	525.0	385.0
79	3	30	23	(89)	5	10.30	273.0	359.0	359.0	498.0	328.0
79	3	30	24	(89)	4	9.10	273.0	8.0	8.0	466.0	466.0
79	3	31	1	(90)	5	8.30	273.0	10.0	10.0	691.0	270.0
79	3	31	2	(90)	5	8.00	273.0	11.0	11.0	703.0	270.0
79	3	31	3	(90)	5	6.30	273.0	11.0	11.0	716.0	270.0
79	3	31	4	(90)	4	6.90	273.0	13.0	13.0	729.0	729.0
79	3	31	5	(90)	4	7.20	272.0	11.0	11.0	741.0	741.0
79	3	31	6	(90)	5	7.30	272.0	9.0	9.0	21.0	280.0
79	3	31	7	(90)	5	5.40	272.0	12.0	12.0	83.0	310.0
79	3	31	8	(90)	4	7.20	272.0	11.0	11.0	546.0	546.0
79	3	31	9	(90)	4	5.90	272.0	20.0	20.0	541.0	541.0
79	3	31	10	(90)	4	6.50	272.0	34.0	34.0	537.0	537.0
79	3	31	11	(90)	5	5.90	274.0	30.0	30.0	333.0	430.0
79	3	31	12	(90)	5	5.10	275.0	23.0	23.0	395.0	460.0
79	3	31	13	(90)	5	6.70	276.0	39.0	39.0	458.0	490.0
79	3	31	14	(90)	5	7.00	276.0	31.0	31.0	520.0	520.0
79	3	31	15	(90)	5	5.90	276.0	44.0	44.0	520.0	520.0
79	3	31	16	(90)	5	5.00	276.0	47.0	47.0	520.0	520.0
79	3	31	17	(90)	4	4.90	275.0	62.0	62.0	520.0	520.0
79	3	31	18	(90)	4	4.80	273.0	57.0	57.0	520.0	520.0
79	3	31	19	(90)	4	4.00	271.0	71.0	71.0	521.0	521.0
79	3	31	20	(90)	5	2.90	270.0	90.0	90.0	522.0	526.0
79	3	31	21	(90)	4	3.20	269.0	63.0	63.0	523.0	523.0
79	3	31	22	(90)	2	2.50	268.0	78.0	78.0	525.0	533.0
79	3	31	23	(90)	1	2.90	268.0	348.0	348.0	526.0	537.0
79	3	31	24	(90)	3	2.10	267.0	334.0	334.0	528.0	540.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	1	1	(91)	4	2.70	268.0	12.0	12.0	599.0	599.0
79	4	1	2	(91)	5	4.50	269.0	69.0	69.0	610.0	540.0
79	4	1	3	(91)	4	3.90	269.0	73.0	73.0	622.0	622.0
79	4	1	4	(91)	4	3.70	269.0	76.0	76.0	634.0	634.0
79	4	1	5	(91)	3	4.50	268.0	89.0	89.0	645.0	540.0
79	4	1	6	(91)	4	3.40	268.0	93.0	93.0	669.0	669.0
79	4	1	7	(91)	3	2.80	269.0	74.0	74.0	126.0	578.0
79	4	1	8	(91)	3	2.80	271.0	115.0	115.0	218.0	605.0
79	4	1	9	(91)	4	3.80	272.0	93.0	93.0	707.0	707.0
79	4	1	10	(91)	2	3.30	273.0	110.0	110.0	402.0	660.0
79	4	1	11	(91)	4	3.50	274.0	110.0	110.0	732.0	732.0
79	4	1	12	(91)	3	3.40	275.0	131.0	131.0	586.0	715.0
79	4	1	13	(91)	4	3.50	275.0	131.0	131.0	757.0	757.0
79	4	1	14	(91)	4	3.30	275.0	136.0	136.0	770.0	770.0
79	4	1	15	(91)	1	2.10	275.0	118.0	118.0	770.0	770.0
79	4	1	16	(91)	2	1.70	274.0	134.0	134.0	770.0	770.0
79	4	1	17	(91)	4	2.30	274.0	131.0	131.0	770.0	770.0
79	4	1	18	(91)	4	3.30	273.0	127.0	127.0	770.0	770.0
79	4	1	19	(91)	4	2.70	272.0	115.0	115.0	772.0	772.0
79	4	1	20	(91)	4	3.80	271.0	81.0	81.0	775.0	775.0
79	4	1	21	(91)	5	4.20	271.0	78.0	78.0	779.0	796.0
79	4	1	22	(91)	5	3.20	271.0	52.0	52.0	783.0	806.0
79	4	1	23	(91)	4	3.20	270.0	46.0	46.0	787.0	787.0
79	4	1	24	(91)	4	3.60	270.0	41.0	41.0	795.0	793.0
79	4	2	1	(92)	5	3.90	269.0	43.0	43.0	770.0	825.0
79	4	2	2	(92)	4	4.40	269.0	25.0	25.0	770.0	770.0
79	4	2	3	(92)	4	3.90	269.0	22.0	22.0	770.0	770.0
79	4	2	4	(92)	5	5.00	269.0	8.0	8.0	770.0	825.0
79	4	2	5	(92)	5	5.60	269.0	8.0	8.0	770.0	825.0
79	4	2	6	(92)	5	5.50	269.0	10.0	10.0	40.0	825.0
79	4	2	7	(92)	5	5.70	269.0	3.0	3.0	138.0	825.0
79	4	2	8	(92)	5	5.60	270.0	4.0	4.0	236.0	825.0
79	4	2	9	(92)	5	5.40	270.0	5.0	5.0	334.0	825.0
79	4	2	10	(92)	5	5.90	271.0	1.0	1.0	432.0	825.0
79	4	2	11	(92)	5	6.70	271.0	347.0	347.0	531.0	825.0
79	4	2	12	(92)	5	7.70	271.0	346.0	346.0	629.0	825.0
79	4	2	13	(92)	5	6.30	272.0	343.0	343.0	727.0	825.0
79	4	2	14	(92)	4	5.80	273.0	330.0	330.0	825.0	825.0
79	4	2	15	(92)	4	8.00	272.0	337.0	337.0	825.0	825.0
79	4	2	16	(92)	5	5.40	273.0	342.0	342.0	825.0	825.0
79	4	2	17	(92)	4	6.90	273.0	328.0	328.0	825.0	825.0
79	4	2	18	(92)	4	5.90	273.0	323.0	323.0	825.0	825.0
79	4	2	19	(92)	4	5.50	272.0	307.0	307.0	796.0	796.0
79	4	2	20	(92)	4	5.90	271.0	280.0	280.0	753.0	753.0
79	4	2	21	(92)	5	6.00	270.0	280.0	280.0	705.0	469.0
79	4	2	22	(92)	5	7.70	270.0	287.0	287.0	651.0	340.0
79	4	2	23	(92)	5	6.70	269.0	287.0	287.0	590.0	210.0
79	4	2	24	(92)	5	5.70	269.0	285.0	285.0	520.0	80.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	3	1	(93)	5	5.50	268.0	287.0	287.0	1283.0	80.0
79	4	3	2	(93)	5	5.30	268.0	288.0	288.0	1351.0	80.0
79	4	3	3	(93)	5	6.40	267.0	304.0	304.0	1420.0	80.0
79	4	3	4	(93)	4	6.30	267.0	279.0	279.0	1488.0	1488.0
79	4	3	5	(93)	5	5.90	267.0	288.0	288.0	1556.0	80.0
79	4	3	6	(93)	5	5.50	267.0	289.0	289.0	74.0	150.0
79	4	3	7	(93)	5	4.60	269.0	291.0	291.0	243.0	309.0
79	4	3	8	(93)	4	2.20	271.0	294.0	294.0	1242.0	1242.0
79	4	3	9	(93)	2	1.50	274.0	272.0	272.0	581.0	628.0
79	4	3	10	(93)	3	3.60	277.0	252.0	252.0	750.0	787.0
79	4	3	11	(93)	3	3.60	278.0	240.0	240.0	918.0	947.0
79	4	3	12	(93)	4	3.50	279.0	253.0	253.0	1364.0	1364.0
79	4	3	13	(93)	3	3.40	279.0	255.0	255.0	1256.0	1266.0
79	4	3	14	(93)	3	3.00	280.0	249.0	249.0	1425.0	1425.0
79	4	3	15	(93)	3	4.30	280.0	229.0	229.0	1425.0	1425.0
79	4	3	16	(93)	4	4.00	280.0	241.0	241.0	1425.0	1425.0
79	4	3	17	(93)	4	3.90	279.0	243.0	243.0	1425.0	1425.0
79	4	3	18	(93)	5	4.10	278.0	229.0	229.0	1425.0	1425.0
79	4	3	19	(93)	5	3.30	276.0	230.0	230.0	1375.0	1259.0
79	4	3	20	(93)	5	5.60	273.0	56.0	56.0	1299.0	1027.0
79	4	3	21	(93)	5	4.20	272.0	64.0	64.0	1213.0	796.0
79	4	3	22	(93)	5	3.30	271.0	59.0	59.0	1117.0	564.0
79	4	3	23	(93)	5	3.80	271.0	45.0	45.0	1009.0	332.0
79	4	3	24	(93)	5	3.60	271.0	45.0	45.0	884.0	100.0
79	4	4	1	(94)	5	4.40	270.0	47.0	47.0	1680.0	100.0
79	4	4	2	(94)	5	4.50	270.0	49.0	49.0	1718.0	100.0
79	4	4	3	(94)	5	3.70	270.0	47.0	47.0	1756.0	100.0
79	4	4	4	(94)	6	3.80	269.0	42.0	42.0	1794.0	100.0
79	4	4	5	(94)	5	4.50	269.0	80.0	80.0	1832.0	100.0
79	4	4	6	(94)	5	5.30	268.0	80.0	80.0	47.0	142.0
79	4	4	7	(94)	5	4.80	269.0	89.0	89.0	148.0	230.0
79	4	4	8	(94)	4	3.30	271.0	91.0	91.0	1025.0	1025.0
79	4	4	9	(94)	3	3.40	274.0	117.0	117.0	348.0	407.0
79	4	4	10	(94)	3	3.70	276.0	109.0	109.0	449.0	496.0
79	4	4	11	(94)	4	3.70	277.0	97.0	97.0	938.0	938.0
79	4	4	12	(94)	3	3.40	278.0	110.0	110.0	649.0	673.0
79	4	4	13	(94)	2	4.20	279.0	145.0	145.0	750.0	761.0
79	4	4	14	(94)	3	4.80	279.0	158.0	158.0	850.0	850.0
79	4	4	15	(94)	2	4.70	279.0	139.0	139.0	850.0	850.0
79	4	4	16	(94)	4	5.10	278.0	134.0	134.0	850.0	850.0
79	4	4	17	(94)	4	5.00	277.0	148.0	148.0	850.0	850.0
79	4	4	18	(94)	4	4.20	275.0	150.0	150.0	850.0	850.0
79	4	4	19	(94)	4	3.20	274.0	156.0	156.0	828.0	828.0
79	4	4	20	(94)	4	2.90	274.0	162.0	162.0	793.0	793.0
79	4	4	21	(94)	4	3.90	274.0	164.0	164.0	753.0	753.0
79	4	4	22	(94)	2	3.10	273.0	178.0	178.0	709.0	454.0
79	4	4	23	(94)	4	2.90	273.0	203.0	203.0	659.0	659.0
79	4	4	24	(94)	4	2.70	272.0	203.0	203.0	602.0	602.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	5	1	(95)	3	2.60	272.0	184.0	184.0	1025.0	240.0
79	4	5	2	(95)	4	2.60	272.0	194.0	194.0	1051.0	1051.0
79	4	5	3	(95)	3	2.40	272.0	151.0	151.0	1077.0	240.0
79	4	5	4	(95)	4	2.10	272.0	190.0	190.0	1103.0	1103.0
79	4	5	5	(95)	5	2.60	273.0	242.0	242.0	1129.0	240.0
79	4	5	6	(95)	4	3.20	273.0	285.0	285.0	794.0	794.0
79	4	5	7	(95)	4	3.70	274.0	249.0	249.0	789.0	789.0
79	4	5	8	(95)	5	3.20	274.0	235.0	235.0	222.0	392.0
79	4	5	9	(95)	5	4.30	275.0	247.0	247.0	311.0	452.0
79	4	5	10	(95)	4	3.50	274.0	237.0	237.0	774.0	774.0
79	4	5	11	(95)	4	2.80	273.0	247.0	247.0	769.0	769.0
79	4	5	12	(95)	4	2.60	273.0	207.0	207.0	765.0	765.0
79	4	5	13	(95)	3	2.50	274.0	194.0	194.0	666.0	694.0
79	4	5	14	(95)	4	2.90	273.0	218.0	218.0	755.0	755.0
79	4	5	15	(95)	4	4.40	272.0	314.0	314.0	755.0	755.0
79	4	5	16	(95)	4	4.60	273.0	322.0	322.0	755.0	755.0
79	4	5	17	(95)	5	8.80	271.0	360.0	360.0	755.0	755.0
79	4	5	18	(95)	5	9.60	269.0	348.0	348.0	755.0	755.0
79	4	5	19	(95)	5	11.60	269.0	341.0	341.0	777.0	828.0
79	4	5	20	(95)	4	13.70	268.0	334.0	334.0	812.0	812.0
79	4	5	21	(95)	4	15.30	267.0	329.0	329.0	852.0	852.0
79	4	5	22	(95)	4	16.00	266.0	328.0	328.0	897.0	897.0
79	4	5	23	(95)	4	16.70	265.0	330.0	330.0	948.0	948.0
79	4	5	24	(95)	4	15.10	263.0	323.0	323.0	1006.0	1006.0
79	4	6	1	(96)	4	14.90	262.0	320.0	320.0	809.0	809.0
79	4	6	2	(96)	4	14.00	260.0	321.0	321.0	817.0	817.0
79	4	6	3	(96)	4	12.70	260.0	323.0	323.0	825.0	825.0
79	4	6	4	(96)	4	13.40	259.0	326.0	326.0	834.0	834.0
79	4	6	5	(96)	4	13.90	259.0	326.0	326.0	842.0	842.0
79	4	6	6	(96)	4	12.60	259.0	329.0	329.0	1217.0	1217.0
79	4	6	7	(96)	4	12.00	260.0	334.0	334.0	1257.0	1257.0
79	4	6	8	(96)	4	13.20	261.0	335.0	335.0	1297.0	1297.0
79	4	6	9	(96)	4	11.80	263.0	337.0	337.0	1336.0	1336.0
79	4	6	10	(96)	4	12.10	265.0	336.0	336.0	1376.0	1376.0
79	4	6	11	(96)	4	10.10	266.0	329.0	329.0	1416.0	1416.0
79	4	6	12	(96)	4	9.60	267.0	332.0	332.0	1456.0	1456.0
79	4	6	13	(96)	4	9.20	267.0	323.0	323.0	1495.0	1495.0
79	4	6	14	(96)	4	10.00	268.0	328.0	328.0	1535.0	1535.0
79	4	6	15	(96)	4	8.40	268.0	326.0	326.0	1535.0	1535.0
79	4	6	16	(96)	4	7.50	269.0	313.0	313.0	1535.0	1535.0
79	4	6	17	(96)	4	6.60	268.0	324.0	324.0	1535.0	1535.0
79	4	6	18	(96)	4	6.20	268.0	324.0	324.0	1535.0	1535.0
79	4	6	19	(96)	5	5.00	267.0	340.0	340.0	1515.0	1469.0
79	4	6	20	(96)	5	6.10	266.0	356.0	356.0	1482.0	1367.0
79	4	6	21	(96)	4	5.40	266.0	325.0	325.0	1446.0	1446.0
79	4	6	22	(96)	4	4.60	265.0	337.0	337.0	1404.0	1404.0
79	4	6	23	(96)	4	4.90	265.0	336.0	336.0	1357.0	1357.0
79	4	6	24	(96)	5	4.60	264.0	331.0	331.0	1303.0	960.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	7	1	(97)	5	5.20	264.0	313.0	313.0	1621.0	960.0
79	4	7	2	(97)	5	4.30	263.0	299.0	299.0	1634.0	960.0
79	4	7	3	(97)	5	3.60	262.0	303.0	303.0	1647.0	960.0
79	4	7	4	(97)	5	3.20	262.0	307.0	307.0	1660.0	960.0
79	4	7	5	(97)	5	3.00	262.0	310.0	310.0	1673.0	960.0
79	4	7	6	(97)	4	2.00	262.0	316.0	316.0	1345.0	1345.0
79	4	7	7	(97)	5	1.40	263.0	42.0	42.0	223.0	1007.0
79	4	7	8	(97)	4	1.10	266.0	52.0	52.0	1313.0	1313.0
79	4	7	9	(97)	4	2.10	268.0	121.0	121.0	1297.0	1297.0
79	4	7	10	(97)	3	2.60	269.0	143.0	143.0	648.0	1096.0
79	4	7	11	(97)	3	2.70	270.0	157.0	157.0	790.0	1126.0
79	4	7	12	(97)	3	2.80	270.0	142.0	142.0	932.0	1156.0
79	4	7	13	(97)	3	2.90	271.0	144.0	144.0	1073.0	1185.0
79	4	7	14	(97)	3	3.20	271.0	145.0	145.0	1215.0	1215.0
79	4	7	15	(97)	3	4.00	271.0	163.0	163.0	1215.0	1215.0
79	4	7	16	(97)	3	4.60	271.0	154.0	154.0	1215.0	1215.0
79	4	7	17	(97)	4	5.30	270.0	145.0	145.0	1215.0	1215.0
79	4	7	18	(97)	4	5.00	270.0	138.0	138.0	1215.0	1215.0
79	4	7	19	(97)	4	5.20	269.0	141.0	141.0	1201.0	1201.0
79	4	7	20	(97)	4	3.60	269.0	130.0	130.0	1177.0	1177.0
79	4	7	21	(97)	4	2.90	269.0	125.0	125.0	1150.0	1150.0
79	4	7	22	(97)	3	3.40	269.0	115.0	115.0	1120.0	944.0
79	4	7	23	(97)	4	3.70	269.0	113.0	113.0	1086.0	1086.0
79	4	7	24	(97)	2	5.40	269.0	111.0	111.0	1046.0	795.0
79	4	8	1	(98)	4	4.90	269.0	117.0	117.0	1215.0	1215.0
79	4	8	2	(98)	3	5.00	269.0	104.0	104.0	1215.0	795.0
79	4	8	3	(98)	4	6.10	268.0	87.0	87.0	1215.0	1215.0
79	4	8	4	(98)	4	4.30	268.0	77.0	77.0	1215.0	1215.0
79	4	8	5	(98)	4	5.60	268.0	91.0	91.0	1215.0	1215.0
79	4	8	6	(98)	4	5.00	268.0	102.0	102.0	966.0	966.0
79	4	8	7	(98)	4	4.90	268.0	93.0	93.0	945.0	945.0
79	4	8	8	(98)	3	4.60	269.0	103.0	103.0	241.0	795.0
79	4	8	9	(98)	4	5.30	269.0	99.0	99.0	902.0	902.0
79	4	8	10	(98)	4	5.90	270.0	101.0	101.0	881.0	881.0
79	4	8	11	(98)	2	5.60	270.0	103.0	103.0	518.0	795.0
79	4	8	12	(98)	3	5.10	270.0	108.0	108.0	610.0	795.0
79	4	8	13	(98)	2	4.90	270.0	103.0	103.0	703.0	795.0
79	4	8	14	(98)	4	5.00	270.0	86.0	86.0	795.0	795.0
79	4	8	15	(98)	4	4.90	270.0	81.0	81.0	795.0	795.0
79	4	8	16	(98)	5	4.50	270.0	81.0	81.0	795.0	795.0
79	4	8	17	(98)	5	4.20	270.0	71.0	71.0	795.0	795.0
79	4	8	18	(98)	5	3.40	270.0	43.0	43.0	795.0	795.0
79	4	8	19	(98)	5	3.80	270.0	33.0	33.0	813.0	854.0
79	4	8	20	(98)	5	4.50	270.0	45.0	45.0	844.0	954.0
79	4	8	21	(98)	4	3.80	269.0	50.0	50.0	880.0	880.0
79	4	8	22	(98)	4	4.50	269.0	45.0	45.0	920.0	920.0
79	4	8	23	(98)	4	4.90	268.0	50.0	50.0	965.0	965.0
79	4	8	24	(98)	4	4.50	268.0	33.0	33.0	1017.0	1017.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	9	1	(99)	5	4.40	268.0	23.0	23.0	829.0	1350.0
79	4	9	2	(99)	5	4.80	268.0	24.0	24.0	834.0	1350.0
79	4	9	3	(99)	5	5.20	268.0	16.0	16.0	839.0	1350.0
79	4	9	4	(99)	5	5.40	268.0	7.0	7.0	844.0	1350.0
79	4	9	5	(99)	5	5.10	268.0	6.0	6.0	849.0	1350.0
79	4	9	6	(99)	5	5.30	268.0	4.0	4.0	107.0	1357.0
79	4	9	7	(99)	5	5.20	269.0	9.0	9.0	275.0	1369.0
79	4	9	8	(99)	5	5.60	270.0	26.0	26.0	443.0	1381.0
79	4	9	9	(99)	5	6.00	271.0	29.0	29.0	611.0	1392.0
79	4	9	10	(99)	5	5.90	271.0	23.0	23.0	779.0	1404.0
79	4	9	11	(99)	5	5.90	272.0	5.0	5.0	946.0	1415.0
79	4	9	12	(99)	5	5.60	272.0	20.0	20.0	1114.0	1427.0
79	4	9	13	(99)	5	4.80	273.0	2.0	2.0	1282.0	1438.0
79	4	9	14	(99)	4	4.30	274.0	359.0	359.0	1450.0	1450.0
79	4	9	15	(99)	4	4.20	275.0	3.0	3.0	1450.0	1450.0
79	4	9	16	(99)	5	4.20	275.0	5.0	5.0	1450.0	1450.0
79	4	9	17	(99)	5	4.70	275.0	6.0	6.0	1450.0	1450.0
79	4	9	18	(99)	5	4.40	275.0	39.0	39.0	1450.0	1450.0
79	4	9	19	(99)	5	4.40	273.0	53.0	53.0	1416.0	1333.0
79	4	9	20	(99)	3	3.80	272.0	47.0	47.0	1351.0	1131.0
79	4	9	21	(99)	4	3.20	271.0	36.0	36.0	1279.0	1279.0
79	4	9	22	(99)	3	2.10	270.0	282.0	282.0	1197.0	725.0
79	4	9	23	(99)	5	2.80	269.0	342.0	342.0	1105.0	523.0
79	4	9	24	(99)	5	2.60	269.0	309.0	309.0	1006.0	320.0
79	4	10	1	(100)	5	3.40	268.0	315.0	315.0	1832.0	320.0
79	4	10	2	(100)	4	4.20	267.0	301.0	301.0	1890.0	1890.0
79	4	10	3	(100)	4	3.50	266.0	302.0	302.0	1949.0	1949.0
79	4	10	4	(100)	5	3.70	266.0	301.0	301.0	2007.0	320.0
79	4	10	5	(100)	5	3.30	265.0	304.0	304.0	2065.0	320.0
79	4	10	6	(100)	5	3.50	266.0	316.0	316.0	113.0	408.0
79	4	10	7	(100)	4	1.60	269.0	304.0	304.0	1456.0	1456.0
79	4	10	8	(100)	4	1.00	271.0	35.0	35.0	1457.0	1457.0
79	4	10	9	(100)	5	1.10	273.0	76.0	76.0	618.0	803.0
79	4	10	10	(100)	4	1.50	275.0	80.0	80.0	1458.0	1458.0
79	4	10	11	(100)	1	1.90	276.0	105.0	105.0	955.0	1066.0
79	4	10	12	(100)	2	2.50	277.0	138.0	138.0	1123.0	1197.0
79	4	10	13	(100)	2	2.50	278.0	159.0	159.0	1292.0	1329.0
79	4	10	14	(100)	2	2.90	278.0	170.0	170.0	1460.0	1460.0
79	4	10	15	(100)	3	3.20	279.0	153.0	153.0	1460.0	1460.0
79	4	10	16	(100)	3	3.60	278.0	139.0	139.0	1460.0	1460.0
79	4	10	17	(100)	3	4.10	278.0	143.0	143.0	1460.0	1460.0
79	4	10	18	(100)	2	4.00	277.0	152.0	152.0	1460.0	1460.0
79	4	10	19	(100)	4	4.30	275.0	142.0	142.0	1424.0	1424.0
79	4	10	20	(100)	4	4.00	274.0	122.0	122.0	1355.0	1355.0
79	4	10	21	(100)	4	3.90	272.0	91.0	91.0	1277.0	1277.0
79	4	10	22	(100)	4	4.60	272.0	98.0	98.0	1189.0	1189.0
79	4	10	23	(100)	4	2.30	271.0	143.0	143.0	1090.0	1090.0
79	4	10	24	(100)	5	3.70	271.0	95.0	95.0	976.0	240.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	11	1	(101)	3	5.70	270.0	92.0	92.0	1547.0	240.0
79	4	11	2	(101)	4	6.20	270.0	90.0	90.0	1560.0	1560.0
79	4	11	3	(101)	5	6.70	270.0	88.0	88.0	1574.0	240.0
79	4	11	4	(101)	4	6.00	270.0	93.0	93.0	1587.0	1587.0
79	4	11	5	(101)	2	4.40	270.0	103.0	103.0	1600.0	240.0
79	4	11	6	(101)	4	4.50	270.0	94.0	94.0	893.0	893.0
79	4	11	7	(101)	4	3.90	272.0	110.0	110.0	844.0	844.0
79	4	11	8	(101)	4	4.30	273.0	114.0	114.0	795.0	795.0
79	4	11	9	(101)	1	4.60	274.0	110.0	110.0	213.0	351.0
79	4	11	10	(101)	3	5.50	276.0	119.0	119.0	270.0	380.0
79	4	11	11	(101)	2	6.00	277.0	116.0	116.0	328.0	410.0
79	4	11	12	(101)	3	7.20	277.0	123.0	123.0	385.0	440.0
79	4	11	13	(101)	2	6.90	276.0	125.0	125.0	443.0	470.0
79	4	11	14	(101)	4	6.00	277.0	123.0	123.0	500.0	500.0
79	4	11	15	(101)	3	6.70	277.0	120.0	120.0	500.0	500.0
79	4	11	16	(101)	2	6.70	278.0	122.0	122.0	500.0	500.0
79	4	11	17	(101)	1	6.60	277.0	119.0	119.0	500.0	500.0
79	4	11	18	(101)	3	6.90	276.0	113.0	113.0	500.0	500.0
79	4	11	19	(101)	1	8.00	275.0	113.0	113.0	499.0	497.0
79	4	11	20	(101)	3	7.70	275.0	115.0	115.0	497.0	490.0
79	4	11	21	(101)	3	7.90	275.0	109.0	109.0	495.0	484.0
79	4	11	22	(101)	1	8.00	275.0	113.0	113.0	492.0	478.0
79	4	11	23	(101)	2	9.00	275.0	107.0	107.0	489.0	471.0
79	4	11	24	(101)	3	9.50	274.0	105.0	105.0	486.0	465.0
79	4	12	1	(102)	2	8.70	273.0	105.0	105.0	692.0	465.0
79	4	12	2	(102)	4	0.20	273.0	102.0	102.0	721.0	721.0
79	4	12	3	(102)	3	2.10	273.0	122.0	122.0	751.0	465.0
79	4	12	4	(102)	3	7.00	274.0	116.0	116.0	780.0	465.0
79	4	12	5	(102)	3	6.70	274.0	116.0	116.0	810.0	465.0
79	4	12	6	(102)	3	5.70	274.0	116.0	116.0	88.0	513.0
79	4	12	7	(102)	4	6.70	275.0	122.0	122.0	846.0	846.0
79	4	12	8	(102)	4	7.00	274.0	126.0	126.0	874.0	874.0
79	4	12	9	(102)	4	5.80	274.0	122.0	122.0	902.0	902.0
79	4	12	10	(102)	3	5.20	274.0	115.0	115.0	564.0	777.0
79	4	12	11	(102)	4	5.00	274.0	116.0	116.0	957.0	957.0
79	4	12	12	(102)	4	5.10	275.0	113.0	113.0	985.0	985.0
79	4	12	13	(102)	2	6.10	275.0	112.0	112.0	921.0	974.0
79	4	12	14	(102)	4	5.50	276.0	112.0	112.0	1040.0	1040.0
79	4	12	15	(102)	4	5.60	277.0	111.0	111.0	1040.0	1040.0
79	4	12	16	(102)	4	5.80	278.0	108.0	108.0	1040.0	1040.0
79	4	12	17	(102)	4	6.20	278.0	102.0	102.0	1040.0	1040.0
79	4	12	18	(102)	4	6.30	278.0	120.0	120.0	1040.0	1040.0
79	4	12	19	(102)	3	3.80	278.0	127.0	127.0	1018.0	963.0
79	4	12	20	(102)	4	6.00	277.0	82.0	82.0	970.0	970.0
79	4	12	21	(102)	3	5.70	276.0	105.0	105.0	916.0	658.0
79	4	12	22	(102)	4	5.70	276.0	109.0	109.0	856.0	856.0
79	4	12	23	(102)	4	5.10	276.0	113.0	113.0	788.0	788.0
79	4	12	24	(102)	4	4.20	276.0	112.0	112.0	710.0	710.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14684

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	13	1	(103)	4	4.70	275.0	120.0	120.0	1360.0	1363.0
79	4	13	2	(103)	3	2.40	275.0	126.0	126.0	1413.0	800.0
79	4	13	3	(103)	4	1.60	275.0	212.0	212.0	1462.0	1462.0
79	4	13	4	(103)	6	1.50	274.0	26.0	26.0	1512.0	800.0
79	4	13	5	(103)	5	0.60	274.0	46.0	46.0	1562.0	800.0
79	4	13	6	(103)	5	1.20	274.0	310.0	310.0	102.0	285.0
79	4	13	7	(103)	4	2.60	275.0	148.0	148.0	1123.0	1123.0
79	4	13	8	(103)	4	4.00	276.0	205.0	205.0	1130.0	1130.0
79	4	13	9	(103)	4	4.90	278.0	219.0	219.0	1137.0	1137.0
79	4	13	10	(103)	5	7.80	279.0	223.0	223.0	636.0	727.0
79	4	13	11	(103)	5	7.60	280.0	218.0	218.0	770.0	888.0
79	4	13	12	(103)	4	6.50	280.0	208.0	208.0	1157.0	1157.0
79	4	13	13	(103)	4	6.70	281.0	211.0	211.0	1162.0	1162.0
79	4	13	14	(103)	4	5.90	281.0	207.0	207.0	1170.0	1170.0
79	4	13	15	(103)	4	4.70	281.0	224.0	224.0	1170.0	1170.0
79	4	13	16	(103)	5	4.30	281.0	266.0	266.0	1170.0	1170.0
79	4	13	17	(103)	4	5.20	280.0	270.0	270.0	1170.0	1170.0
79	4	13	18	(103)	4	4.20	279.0	259.0	259.0	1170.0	1170.0
79	4	13	19	(103)	5	4.10	278.0	260.0	260.0	1156.0	1160.0
79	4	13	20	(103)	5	3.40	277.0	262.0	262.0	1123.0	1017.0
79	4	13	21	(103)	5	2.50	277.0	249.0	249.0	1087.0	914.0
79	4	13	22	(103)	5	2.40	276.0	139.0	139.0	1047.0	811.0
79	4	13	23	(103)	5	2.60	275.0	150.0	150.0	1001.0	708.0
79	4	13	24	(103)	4	3.50	275.0	221.0	221.0	947.0	989.0
79	4	14	1	(104)	5	4.50	276.0	236.0	236.0	1366.0	605.0
79	4	14	2	(104)	5	4.50	276.0	229.0	229.0	1396.0	605.0
79	4	14	3	(104)	5	3.90	275.0	243.0	243.0	1427.0	605.0
79	4	14	4	(104)	5	3.90	275.0	239.0	239.0	1457.0	605.0
79	4	14	5	(104)	5	3.70	275.0	239.0	239.0	1487.0	605.0
79	4	14	6	(104)	5	3.40	275.0	239.0	239.0	109.0	659.0
79	4	14	7	(104)	4	2.70	275.0	264.0	264.0	1186.0	1136.0
79	4	14	8	(104)	4	3.20	276.0	294.0	294.0	1187.0	1187.0
79	4	14	9	(104)	4	4.70	276.0	286.0	286.0	1189.0	1189.0
79	4	14	10	(104)	4	4.50	276.0	279.0	279.0	1190.0	1190.0
79	4	14	11	(104)	4	4.60	277.0	280.0	280.0	1191.0	1191.0
79	4	14	12	(104)	4	4.90	277.0	280.0	280.0	1192.0	1192.0
79	4	14	13	(104)	4	5.00	277.0	280.0	280.0	1194.0	1194.0
79	4	14	14	(104)	4	4.90	277.0	277.0	277.0	1195.0	1195.0
79	4	14	15	(104)	4	4.90	277.0	275.0	275.0	1195.0	1195.0
79	4	14	16	(104)	4	4.80	277.0	286.0	286.0	1195.0	1195.0
79	4	14	17	(104)	4	4.50	277.0	289.0	289.0	1195.0	1195.0
79	4	14	18	(104)	4	4.40	276.0	286.0	286.0	1195.0	1195.0
79	4	14	19	(104)	4	3.30	276.0	290.0	290.0	1197.0	1197.0
79	4	14	20	(104)	4	3.20	276.0	293.0	293.0	1200.0	1200.0
79	4	14	21	(104)	4	4.30	275.0	286.0	286.0	1204.0	1204.0
79	4	14	22	(104)	4	4.30	275.0	285.0	285.0	1209.0	1209.0
79	4	14	23	(104)	4	4.20	275.0	290.0	290.0	1214.0	1214.0
79	4	14	24	(104)	4	5.10	275.0	296.0	296.0	1220.0	1220.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	15	1	(105)	4	5.40	275.0	293.0	293.0	1309.0	1309.0
79	4	15	2	(105)	4	6.20	275.0	302.0	302.0	1327.0	1327.0
79	4	15	3	(105)	4	6.10	275.0	310.0	310.0	1345.0	1345.0
79	4	15	4	(105)	4	6.70	275.0	306.0	306.0	1363.0	1363.0
79	4	15	5	(105)	4	6.30	275.0	314.0	314.0	1380.0	1380.0
79	4	15	6	(105)	4	6.40	275.0	323.0	323.0	1436.0	1436.0
79	4	15	7	(105)	4	6.00	276.0	329.0	329.0	1457.0	1457.0
79	4	15	8	(105)	4	6.60	276.0	334.0	334.0	1478.0	1478.0
79	4	15	9	(105)	4	6.80	277.0	330.0	330.0	1500.0	1500.0
79	4	15	10	(105)	4	7.10	277.0	326.0	326.0	1521.0	1521.0
79	4	15	11	(105)	4	7.20	278.0	326.0	326.0	1542.0	1542.0
79	4	15	12	(105)	4	6.70	279.0	332.0	332.0	1563.0	1563.0
79	4	15	13	(105)	4	7.00	279.0	329.0	329.0	1584.0	1584.0
79	4	15	14	(105)	4	7.10	278.0	335.0	335.0	1605.0	1605.0
79	4	15	15	(105)	4	7.80	278.0	330.0	330.0	1605.0	1605.0
79	4	15	16	(105)	4	6.70	278.0	327.0	327.0	1605.0	1605.0
79	4	15	17	(105)	4	6.80	278.0	332.0	332.0	1605.0	1605.0
79	4	15	18	(105)	4	6.40	277.0	330.0	330.0	1605.0	1605.0
79	4	15	19	(105)	4	4.90	277.0	326.0	326.0	1572.0	1572.0
79	4	15	20	(105)	4	5.90	277.0	325.0	325.0	1491.0	1491.0
79	4	15	21	(105)	4	5.60	276.0	320.0	320.0	1401.0	1401.0
79	4	15	22	(105)	4	5.70	276.0	322.0	322.0	1299.0	1299.0
79	4	15	23	(105)	4	5.90	276.0	321.0	321.0	1183.0	1183.0
79	4	15	24	(105)	4	6.00	276.0	315.0	315.0	1051.0	1051.0
79	4	16	1	(106)	4	5.70	276.0	320.0	320.0	2149.0	2149.0
79	4	16	2	(106)	4	5.40	276.0	317.0	317.0	2233.0	2233.0
79	4	16	3	(106)	4	5.60	276.0	321.0	321.0	2318.0	2318.0
79	4	16	4	(106)	4	5.50	275.0	321.0	321.0	2403.0	2403.0
79	4	16	5	(106)	4	6.10	275.0	324.0	324.0	2487.0	2487.0
79	4	16	6	(106)	4	5.90	275.0	328.0	328.0	1734.0	1734.0
79	4	16	7	(106)	4	5.40	276.0	329.0	329.0	1746.0	1746.0
79	4	16	8	(106)	4	5.90	277.0	331.0	331.0	1757.0	1757.0
79	4	16	9	(106)	4	6.40	278.0	340.0	340.0	1768.0	1768.0
79	4	16	10	(106)	5	6.90	280.0	350.0	350.0	1001.0	1083.0
79	4	16	11	(106)	5	6.50	281.0	347.0	347.0	1207.0	1268.0
79	4	16	12	(106)	5	6.20	281.0	351.0	351.0	1413.0	1454.0
79	4	16	13	(106)	5	5.60	282.0	350.0	350.0	1619.0	1639.0
79	4	16	14	(106)	5	5.10	283.0	1.0	1.0	1825.0	1825.0
79	4	16	15	(106)	5	5.50	283.0	7.0	7.0	1825.0	1825.0
79	4	16	16	(106)	5	5.30	283.0	355.0	355.0	1825.0	1825.0
79	4	16	17	(106)	5	6.10	282.0	358.0	358.0	1825.0	1825.0
79	4	16	18	(106)	5	5.00	281.0	351.0	351.0	1825.0	1825.0
79	4	16	19	(106)	5	4.40	280.0	1.0	1.0	1788.0	1694.0
79	4	16	20	(106)	5	5.00	279.0	356.0	356.0	1691.0	1379.0
79	4	16	21	(106)	5	2.80	278.0	287.0	287.0	1583.0	1065.0
79	4	16	22	(106)	5	3.40	277.0	297.0	297.0	1461.0	750.0
79	4	16	23	(106)	5	3.80	276.0	296.0	296.0	1323.0	435.0
79	4	16	24	(106)	5	4.50	276.0	312.0	312.0	1166.0	120.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14895.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	17	1	(107)	5	4.70	275.0	314.0	314.0	2445.0	120.0
79	4	17	2	(107)	5	3.70	275.0	299.0	299.0	2542.0	120.0
79	4	17	3	(107)	5	3.80	275.0	313.0	313.0	2639.0	120.0
79	4	17	4	(107)	5	4.10	274.0	319.0	319.0	2736.0	120.0
79	4	17	5	(107)	5	4.40	274.0	307.0	307.0	2832.0	120.0
79	4	17	6	(107)	5	7.10	276.0	334.0	334.0	201.0	209.0
79	4	17	7	(107)	5	6.20	278.0	343.0	343.0	426.0	520.0
79	4	17	8	(107)	5	5.80	280.0	350.0	350.0	651.0	732.0
79	4	17	9	(107)	5	4.30	282.0	357.0	357.0	876.0	943.0
79	4	17	10	(107)	4	3.60	283.0	352.0	352.0	1964.0	1964.0
79	4	17	11	(107)	3	3.00	284.0	3.0	3.0	1325.0	1366.0
79	4	17	12	(107)	3	3.40	285.0	12.0	12.0	1550.0	1577.0
79	4	17	13	(107)	4	4.00	285.0	1.0	1.0	1991.0	1991.0
79	4	17	14	(107)	4	4.40	286.0	349.0	349.0	2000.0	2000.0
79	4	17	15	(107)	4	4.60	286.0	344.0	344.0	2000.0	2000.0
79	4	17	16	(107)	5	5.30	286.0	354.0	354.0	2000.0	2000.0
79	4	17	17	(107)	5	5.20	285.0	25.0	25.0	2000.0	2000.0
79	4	17	18	(107)	5	4.90	283.0	80.0	80.0	2000.0	2000.0
79	4	17	19	(107)	5	4.60	280.0	96.0	96.0	1961.0	1863.0
79	4	17	20	(107)	4	3.20	278.0	114.0	114.0	1854.0	1854.0
79	4	17	21	(107)	2	2.50	277.0	166.0	166.0	1734.0	1162.0
79	4	17	22	(107)	5	2.50	276.0	318.0	318.0	1599.0	811.0
79	4	17	23	(107)	5	3.30	274.0	279.0	279.0	1447.0	461.0
79	4	17	24	(107)	5	3.90	274.0	19.0	19.0	1272.0	110.0
79	4	18	1	(108)	5	2.90	272.0	298.0	298.0	2409.0	110.0
79	4	18	2	(108)	5	2.80	272.0	306.0	306.0	2474.0	110.0
79	4	18	3	(108)	5	3.10	272.0	312.0	312.0	2538.0	110.0
79	4	18	4	(108)	5	3.10	273.0	310.0	310.0	2602.0	110.0
79	4	18	5	(108)	5	3.30	272.0	324.0	324.0	2667.0	110.0
79	4	18	6	(108)	5	2.30	273.0	302.0	302.0	140.0	239.0
79	4	18	7	(108)	5	2.10	276.0	343.0	343.0	292.0	379.0
79	4	18	8	(108)	1	1.80	280.0	97.0	97.0	444.0	518.0
79	4	18	9	(108)	3	2.10	282.0	154.0	154.0	596.0	668.0
79	4	18	10	(108)	2	2.10	283.0	121.0	121.0	748.0	797.0
79	4	18	11	(108)	1	1.50	284.0	104.0	104.0	900.0	937.0
79	4	18	12	(108)	1	2.30	285.0	96.0	96.0	1051.0	1076.0
79	4	18	13	(108)	1	1.70	286.0	125.0	125.0	1203.0	1216.0
79	4	18	14	(108)	2	2.40	287.0	156.0	156.0	1355.0	1355.0
79	4	18	15	(108)	1	2.60	288.0	135.0	135.0	1355.0	1355.0
79	4	18	16	(108)	1	6.30	288.0	135.0	135.0	1355.0	1355.0
79	4	18	17	(108)	1	4.80	286.0	135.0	135.0	1355.0	1355.0
79	4	18	18	(108)	1	4.10	285.0	135.0	135.0	1355.0	1355.0
79	4	18	19	(108)	3	4.60	283.0	165.0	165.0	1333.0	1278.0
79	4	18	20	(108)	4	5.00	281.0	166.0	166.0	1270.0	1270.0
79	4	18	21	(108)	3	4.90	279.0	207.0	207.0	1199.0	861.0
79	4	18	22	(108)	5	4.10	278.0	303.0	303.0	1119.0	652.0
79	4	18	23	(108)	5	2.20	277.0	123.0	123.0	1029.0	444.0
79	4	18	24	(108)	5	2.10	275.0	279.0	279.0	925.0	235.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	19	1	(109)	6	1.20	275.0	118.0	118.0	1668.0	235.0
79	4	19	2	(109)	6	1.50	274.0	26.0	26.0	1718.0	235.0
79	4	19	3	(109)	6	1.30	274.0	116.0	116.0	1767.0	235.0
79	4	19	4	(109)	5	1.70	273.0	249.0	249.0	1816.0	235.0
79	4	19	5	(109)	6	1.60	273.0	328.0	328.0	1866.0	235.0
79	4	19	6	(109)	5	1.90	273.0	328.0	328.0	127.0	337.0
79	4	19	7	(109)	2	2.30	276.0	131.0	131.0	260.0	444.0
79	4	19	8	(109)	3	2.60	279.0	153.0	153.0	393.0	550.0
79	4	19	9	(109)	3	3.50	282.0	171.0	171.0	526.0	657.0
79	4	19	10	(109)	3	3.90	284.0	165.0	165.0	658.0	763.0
79	4	19	11	(109)	3	4.50	286.0	180.0	180.0	791.0	870.0
79	4	19	12	(109)	3	4.50	287.0	182.0	182.0	924.0	977.0
79	4	19	13	(109)	3	4.60	289.0	185.0	185.0	1057.0	1083.0
79	4	19	14	(109)	3	4.80	289.0	193.0	193.0	1190.0	1190.0
79	4	19	15	(109)	3	5.20	290.0	181.0	181.0	1190.0	1190.0
79	4	19	16	(109)	3	5.10	290.0	177.0	177.0	1190.0	1190.0
79	4	19	17	(109)	4	5.40	289.0	199.0	199.0	1190.0	1190.0
79	4	19	18	(109)	3	5.00	287.0	176.0	176.0	1190.0	1190.0
79	4	19	19	(109)	4	5.30	284.0	143.0	143.0	1172.0	1172.0
79	4	19	20	(109)	5	5.00	282.0	138.0	138.0	1117.0	946.0
79	4	19	21	(109)	5	4.20	280.0	121.0	121.0	1056.0	764.0
79	4	19	22	(109)	5	3.80	278.0	108.0	108.0	987.0	583.0
79	4	19	23	(109)	5	3.00	277.0	98.0	98.0	909.0	401.0
79	4	19	24	(109)	5	2.90	277.0	100.0	100.0	820.0	220.0
79	4	20	1	(110)	5	3.70	276.0	109.0	109.0	1571.0	220.0
79	4	20	2	(110)	5	3.80	274.0	109.0	109.0	1632.0	220.0
79	4	20	3	(110)	4	2.90	274.0	118.0	118.0	1692.0	1692.0
79	4	20	4	(110)	3	2.80	273.0	120.0	120.0	1752.0	220.0
79	4	20	5	(110)	4	3.20	273.0	97.0	97.0	1812.0	1812.0
79	4	20	6	(110)	3	2.50	275.0	145.0	145.0	152.0	348.0
79	4	20	7	(110)	3	2.30	276.0	139.0	139.0	306.0	478.0
79	4	20	8	(110)	4	1.80	277.0	127.0	127.0	1324.0	1324.0
79	4	20	9	(110)	4	2.40	279.0	140.0	140.0	1335.0	1335.0
79	4	20	10	(110)	4	2.80	280.0	149.0	149.0	1345.0	1345.0
79	4	20	11	(110)	4	4.50	283.0	151.0	151.0	1355.0	1355.0
79	4	20	12	(110)	3	4.30	286.0	170.0	170.0	1077.0	1126.0
79	4	20	13	(110)	3	5.40	288.0	176.0	176.0	1231.0	1255.0
79	4	20	14	(110)	3	5.20	288.0	180.0	180.0	1385.0	1385.0
79	4	20	15	(110)	4	4.10	287.0	130.0	130.0	1385.0	1385.0
79	4	20	16	(110)	4	3.90	286.0	150.0	150.0	1385.0	1385.0
79	4	20	17	(110)	3	3.80	286.0	157.0	157.0	1385.0	1385.0
79	4	20	18	(110)	4	4.20	285.0	149.0	149.0	1385.0	1385.0
79	4	20	19	(110)	4	4.30	282.0	136.0	136.0	1364.0	1364.0
79	4	20	20	(110)	4	3.80	281.0	141.0	141.0	1295.0	1295.0
79	4	20	21	(110)	5	3.70	281.0	145.0	145.0	1217.0	848.0
79	4	20	22	(110)	4	3.70	281.0	142.0	142.0	1130.0	1130.0
79	4	20	23	(110)	3	3.40	281.0	167.0	167.0	1031.0	386.0
79	4	20	24	(110)	4	3.10	281.0	214.0	214.0	917.0	917.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	21	1	(111)	5	2.50	281.0	215.0	215.0	1738.0	155.0
79	4	21	2	(111)	4	1.90	281.0	209.0	209.0	1793.0	1793.0
79	4	21	3	(111)	4	5.00	281.0	289.0	289.0	1849.0	1849.0
79	4	21	4	(111)	4	5.90	279.0	335.0	335.0	1905.0	1905.0
79	4	21	5	(111)	4	6.70	278.0	333.0	333.0	1305.0	1305.0
79	4	21	6	(111)	4	6.00	277.0	331.0	331.0	1297.0	1297.0
79	4	21	7	(111)	4	5.30	278.0	338.0	338.0	1289.0	1289.0
79	4	21	8	(111)	5	6.40	278.0	348.0	348.0	413.0	516.0
79	4	21	9	(111)	5	6.10	278.0	347.0	347.0	550.0	636.0
79	4	21	10	(111)	4	5.60	279.0	337.0	337.0	1266.0	1266.0
79	4	21	11	(111)	4	5.40	279.0	331.0	331.0	1258.0	1258.0
79	4	21	12	(111)	4	5.40	281.0	342.0	342.0	1251.0	1251.0
79	4	21	13	(111)	5	5.10	281.0	351.0	351.0	1098.0	1115.0
79	4	21	14	(111)	5	5.10	282.0	346.0	346.0	1235.0	1235.0
79	4	21	15	(111)	5	5.00	284.0	346.0	346.0	1235.0	1235.0
79	4	21	16	(111)	4	5.00	285.0	327.0	327.0	1235.0	1235.0
79	4	21	17	(111)	4	3.80	285.0	333.0	333.0	1235.0	1235.0
79	4	21	18	(111)	5	2.90	284.0	340.0	340.0	1235.0	1235.0
79	4	21	19	(111)	6	1.30	283.0	294.0	294.0	1218.0	1172.0
79	4	21	20	(111)	6	0.80	281.0	218.0	218.0	1155.0	964.0
79	4	21	21	(111)	5	3.20	279.0	113.0	113.0	1086.0	755.0
79	4	21	22	(111)	5	3.80	278.0	113.0	113.0	1007.0	547.0
79	4	21	23	(111)	4	2.20	276.0	66.0	66.0	918.0	918.0
79	4	21	24	(111)	5	2.40	276.0	124.0	124.0	81/.0	130.0
79	4	22	1	(112)	5	2.50	275.0	110.0	110.0	1968.0	130.0
79	4	22	2	(112)	5	2.60	275.0	126.0	126.0	2084.0	130.0
79	4	22	3	(112)	4	2.40	273.0	77.0	77.0	2201.0	2201.0
79	4	22	4	(112)	5	3.40	272.0	266.0	266.0	2318.0	130.0
79	4	22	5	(112)	6	2.10	272.0	281.0	281.0	12.0	142.0
79	4	22	6	(112)	6	1.30	273.0	218.0	218.0	275.0	390.0
79	4	22	7	(112)	6	1.50	276.0	109.0	109.0	538.0	639.0
79	4	22	8	(112)	6	1.30	279.0	162.0	162.0	802.0	888.0
79	4	22	9	(112)	3	2.70	285.0	200.0	200.0	1065.0	1136.0
79	4	22	10	(112)	3	3.70	288.0	244.0	244.0	1328.0	1385.0
79	4	22	11	(112)	3	4.30	289.0	262.0	262.0	1591.0	1634.0
79	4	22	12	(112)	3	4.70	290.0	283.0	283.0	1854.0	1883.0
79	4	22	13	(112)	4	4.20	291.0	278.0	278.0	2321.0	2321.0
79	4	22	14	(112)	3	4.30	291.0	293.0	293.0	2380.0	2380.0
79	4	22	15	(112)	4	5.90	290.0	350.0	350.0	2380.0	2380.0
79	4	22	16	(112)	5	6.00	290.0	359.0	359.0	2380.0	2380.0
79	4	22	17	(112)	5	4.20	290.0	3.0	3.0	2380.0	2380.0
79	4	22	18	(112)	5	4.70	289.0	16.0	16.0	2380.0	2380.0
79	4	22	19	(112)	5	4.60	285.0	74.0	74.0	2348.0	2264.0
79	4	22	20	(112)	5	3.50	283.0	74.0	74.0	2223.0	1845.0
79	4	22	21	(112)	5	3.60	282.0	77.0	77.0	2084.0	1426.0
79	4	22	22	(112)	5	2.60	281.0	45.0	45.0	1927.0	1008.0
79	4	22	23	(112)	4	2.10	279.0	132.0	132.0	1750.0	1750.0
79	4	22	24	(112)	2	2.10	278.0	3.0	3.0	1547.0	170.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	23	1	(113)	2	3.00	278.0	87.0	87.0	3031.0	170.0
79	4	23	2	(113)	4	3.10	276.0	357.0	357.0	3135.0	3135.0
79	4	23	3	(113)	5	2.50	274.0	300.0	300.0	3240.0	170.0
79	4	23	4	(113)	6	2.60	274.0	300.0	300.0	3344.0	170.0
79	4	23	5	(113)	5	1.90	273.0	309.0	309.0	18.0	187.0
79	4	23	6	(113)	5	1.70	275.0	306.0	306.0	258.0	408.0
79	4	23	7	(113)	3	1.70	279.0	50.0	50.0	498.0	629.0
79	4	23	8	(113)	3	2.30	282.0	132.0	132.0	737.0	850.0
79	4	23	9	(113)	1	2.00	285.0	131.0	131.0	977.0	1071.0
79	4	23	10	(113)	1	4.00	287.0	155.0	155.0	1216.0	1291.0
79	4	23	11	(113)	3	3.90	289.0	147.0	147.0	1456.0	1512.0
79	4	23	12	(113)	3	5.10	290.0	172.0	172.0	1696.0	1733.0
79	4	23	13	(113)	3	5.20	291.0	159.0	159.0	1935.0	1954.0
79	4	23	14	(113)	3	5.00	291.0	157.0	157.0	2175.0	2175.0
79	4	23	15	(113)	3	5.00	291.0	155.0	155.0	2175.0	2175.0
79	4	23	16	(113)	3	5.90	291.0	147.0	147.0	2175.0	2175.0
79	4	23	17	(113)	4	6.10	291.0	141.0	141.0	2175.0	2175.0
79	4	23	18	(113)	4	5.90	289.0	143.0	143.0	2175.0	2175.0
79	4	23	19	(113)	4	5.80	286.0	138.0	138.0	2148.0	2148.0
79	4	23	20	(113)	4	4.40	284.0	133.0	133.0	2034.0	2034.0
79	4	23	21	(113)	5	4.00	282.0	133.0	133.0	1906.0	1304.0
79	4	23	22	(113)	4	2.40	281.0	109.0	109.0	1762.0	1762.0
79	4	23	23	(113)	5	2.90	280.0	135.0	135.0	1599.0	531.0
79	4	23	24	(113)	5	3.40	279.0	124.0	124.0	1413.0	145.0
79	4	24	1	(114)	5	2.60	279.0	115.0	115.0	2655.0	145.0
79	4	24	2	(114)	5	1.70	278.0	107.0	107.0	2731.0	145.0
79	4	24	3	(114)	6	1.20	277.0	56.0	56.0	2808.0	145.0
79	4	24	4	(114)	6	1.30	277.0	2.0	2.0	2885.0	145.0
79	4	24	5	(114)	5	0.80	278.0	105.0	105.0	19.0	162.0
79	4	24	6	(114)	5	0.80	279.0	111.0	111.0	197.0	325.0
79	4	24	7	(114)	5	0.80	281.0	133.0	133.0	376.0	487.0
79	4	24	8	(114)	4	1.00	284.0	103.0	103.0	1797.0	1797.0
79	4	24	9	(114)	4	1.20	287.0	158.0	158.0	1768.0	1768.0
79	4	24	10	(114)	2	2.40	290.0	152.0	152.0	911.0	975.0
79	4	24	11	(114)	3	4.90	292.0	174.0	174.0	1090.0	1137.0
79	4	24	12	(114)	3	6.90	293.0	186.0	186.0	1268.0	1300.0
79	4	24	13	(114)	2	6.80	293.0	185.0	185.0	1447.0	1462.0
79	4	24	14	(114)	3	6.80	293.0	172.0	172.0	1625.0	1625.0
79	4	24	15	(114)	3	7.30	293.0	176.0	176.0	1625.0	1625.0
79	4	24	16	(114)	3	8.60	292.0	191.0	191.0	1625.0	1625.0
79	4	24	17	(114)	3	7.30	291.0	191.0	191.0	1625.0	1625.0
79	4	24	18	(114)	3	6.40	289.0	188.0	188.0	1625.0	1625.0
79	4	24	19	(114)	3	6.30	287.0	174.0	174.0	1610.0	1571.0
79	4	24	20	(114)	3	5.30	287.0	175.0	175.0	1542.0	1339.0
79	4	24	21	(114)	3	4.30	286.0	174.0	174.0	1466.0	1107.0
79	4	24	22	(114)	3	4.90	286.0	183.0	183.0	1380.0	875.0
79	4	24	23	(114)	3	3.10	286.0	174.0	174.0	1282.0	642.0
79	4	24	24	(114)	3	2.80	285.0	162.0	162.0	1171.0	410.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	25	1	(115)	4	2.80	285.0	175.0	175.0	1937.0	1937.0
79	4	25	2	(115)	3	2.60	285.0	184.0	184.0	1987.0	410.0
79	4	25	3	(115)	3	2.10	285.0	178.0	178.0	2037.0	410.0
79	4	25	4	(115)	4	2.10	284.0	149.0	149.0	2088.0	2088.0
79	4	25	5	(115)	4	2.90	284.0	144.0	144.0	1492.0	1492.0
79	4	25	6	(115)	4	3.50	284.0	153.0	153.0	1479.0	1479.0
79	4	25	7	(115)	4	2.90	285.0	188.0	188.0	1466.0	1466.0
79	4	25	8	(115)	5	2.80	286.0	230.0	230.0	472.0	741.0
79	4	25	9	(115)	4	2.10	286.0	205.0	205.0	1440.0	1440.0
79	4	25	10	(115)	4	3.30	287.0	211.0	211.0	1427.0	1427.0
79	4	25	11	(115)	5	3.50	288.0	222.0	222.0	923.0	1058.0
79	4	25	12	(115)	4	3.70	290.0	218.0	218.0	1401.0	1401.0
79	4	25	13	(115)	4	4.20	292.0	221.0	221.0	1388.0	1388.0
79	4	25	14	(115)	4	4.60	292.0	213.0	213.0	1375.0	1375.0
79	4	25	15	(115)	4	5.80	291.0	235.0	235.0	1375.0	1375.0
79	4	25	16	(115)	4	7.00	286.0	333.0	333.0	1375.0	1375.0
79	4	25	17	(115)	4	8.60	283.0	347.0	347.0	1375.0	1375.0
79	4	25	18	(115)	5	7.00	281.0	354.0	354.0	1375.0	1375.0
79	4	25	19	(115)	5	5.90	280.0	351.0	351.0	1366.0	1341.0
79	4	25	20	(115)	5	5.40	279.0	349.0	349.0	1318.0	1179.0
79	4	25	21	(115)	5	5.90	279.0	347.0	347.0	1265.0	1017.0
79	4	25	22	(115)	5	4.20	278.0	336.0	336.0	1206.0	855.0
79	4	25	23	(115)	4	4.60	278.0	318.0	318.0	1138.0	1138.0
79	4	25	24	(115)	4	5.40	277.0	320.0	320.0	1061.0	1061.0
79	4	26	1	(116)	4	4.60	277.0	321.0	321.0	1594.0	1594.0
79	4	26	2	(116)	4	5.80	277.0	336.0	336.0	1630.0	1630.0
79	4	26	3	(116)	5	6.20	277.0	345.0	345.0	1665.0	530.0
79	4	26	4	(116)	4	6.30	276.0	330.0	330.0	1701.0	1701.0
79	4	26	5	(116)	4	5.50	276.0	336.0	336.0	1287.0	1287.0
79	4	26	6	(116)	5	5.80	276.0	343.0	343.0	154.0	616.0
79	4	26	7	(116)	5	6.70	276.0	348.0	348.0	286.0	691.0
79	4	26	8	(116)	5	6.30	277.0	349.0	349.0	418.0	765.0
79	4	26	9	(116)	5	6.90	277.0	353.0	353.0	550.0	839.0
79	4	26	10	(116)	5	6.90	279.0	356.0	356.0	682.0	913.0
79	4	26	11	(116)	5	5.60	279.0	18.0	18.0	814.0	987.0
79	4	26	12	(116)	5	6.10	279.0	21.0	21.0	946.0	1062.0
79	4	26	13	(116)	5	6.80	280.0	29.0	29.0	1078.0	1136.0
79	4	26	14	(116)	5	7.00	280.0	29.0	29.0	1210.0	1210.0
79	4	26	15	(116)	5	6.30	281.0	26.0	26.0	1210.0	1210.0
79	4	26	16	(116)	5	5.30	281.0	27.0	27.0	1210.0	1210.0
79	4	26	17	(116)	5	5.10	281.0	29.0	29.0	1210.0	1210.0
79	4	26	18	(116)	5	4.50	281.0	23.0	23.0	1210.0	1210.0
79	4	26	19	(116)	5	4.20	279.0	42.0	42.0	1203.0	1183.0
79	4	26	20	(116)	5	3.80	277.0	80.0	80.0	1161.0	1039.0
79	4	26	21	(116)	4	3.30	275.0	94.0	94.0	1114.0	1114.0
79	4	26	22	(116)	5	4.50	275.0	23.0	23.0	1061.0	749.0
79	4	26	23	(116)	5	4.20	275.0	354.0	354.0	1001.0	605.0
79	4	26	24	(116)	5	4.40	274.0	13.0	13.0	932.0	460.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	27	1	(117)	1	3.40	273.0	354.0	354.0	1258.0	460.0
79	4	27	2	(117)	4	4.00	273.0	72.0	72.0	1266.0	1266.0
79	4	27	3	(117)	5	2.40	273.0	312.0	312.0	1274.0	460.0
79	4	27	4	(117)	5	3.90	274.0	351.0	351.0	1282.0	460.0
79	4	27	5	(117)	5	3.30	273.0	6.0	6.0	13.0	463.0
79	4	27	6	(117)	5	2.20	274.0	357.0	357.0	79.0	479.0
79	4	27	7	(117)	4	1.50	275.0	31.0	31.0	829.0	829.0
79	4	27	8	(117)	4	2.10	277.0	57.0	57.0	798.0	798.0
79	4	27	9	(117)	1	3.40	278.0	55.0	55.0	278.0	528.0
79	4	27	10	(117)	1	4.30	280.0	73.0	73.0	345.0	545.0
79	4	27	11	(117)	3	4.30	280.0	62.0	62.0	411.0	561.0
79	4	27	12	(117)	5	5.50	280.0	62.0	62.0	477.0	577.0
79	4	27	13	(117)	5	6.00	280.0	56.0	56.0	544.0	594.0
79	4	27	14	(117)	5	5.80	281.0	54.0	54.0	610.0	610.0
79	4	27	15	(117)	5	6.30	280.0	48.0	48.0	610.0	610.0
79	4	27	16	(117)	5	6.60	280.0	48.0	48.0	610.0	610.0
79	4	27	17	(117)	5	7.80	279.0	52.0	52.0	610.0	610.0
79	4	27	18	(117)	5	7.60	277.0	46.0	46.0	610.0	610.0
79	4	27	19	(117)	5	7.60	276.0	39.0	39.0	614.0	626.0
79	4	27	20	(117)	5	5.40	275.0	31.0	31.0	642.0	721.0
79	4	27	21	(117)	5	5.60	275.0	32.0	32.0	673.0	817.0
79	4	27	22	(117)	5	3.70	274.0	29.0	29.0	708.0	913.0
79	4	27	23	(117)	6	3.50	273.0	26.0	26.0	747.0	1009.0
79	4	27	24	(117)	5	3.90	273.0	21.0	21.0	793.0	1105.0
79	4	28	1	(118)	5	4.70	272.0	13.0	13.0	825.0	1105.0
79	4	28	2	(118)	5	4.50	272.0	9.0	9.0	860.0	1105.0
79	4	28	3	(118)	5	4.60	272.0	3.0	3.0	895.0	1105.0
79	4	28	4	(118)	5	4.30	272.0	5.0	5.0	930.0	1105.0
79	4	28	5	(118)	5	3.80	271.0	353.0	353.0	43.0	1121.0
79	4	28	6	(118)	5	3.60	272.0	349.0	349.0	235.0	1194.0
79	4	28	7	(118)	5	3.40	274.0	8.0	8.0	428.0	1266.0
79	4	28	8	(118)	5	4.60	276.0	17.0	17.0	620.0	1339.0
79	4	28	9	(118)	5	5.60	277.0	15.0	15.0	813.0	1412.0
79	4	28	10	(118)	5	6.40	278.0	4.0	4.0	1005.0	1484.0
79	4	28	11	(118)	4	5.50	279.0	10.0	10.0	1592.0	1592.0
79	4	28	12	(118)	4	5.70	280.0	7.0	7.0	1653.0	1653.0
79	4	28	13	(118)	5	4.90	280.0	17.0	17.0	1583.0	1702.0
79	4	28	14	(118)	4	4.80	280.0	353.0	353.0	1775.0	1775.0
79	4	28	15	(118)	4	4.50	280.0	3.0	3.0	1775.0	1775.0
79	4	28	16	(118)	5	4.60	279.0	14.0	14.0	1775.0	1775.0
79	4	28	17	(118)	5	3.70	279.0	33.0	33.0	1775.0	1775.0
79	4	28	18	(118)	5	5.10	277.0	87.0	87.0	1775.0	1775.0
79	4	28	19	(118)	4	3.50	276.0	106.0	106.0	1766.0	1766.0
79	4	28	20	(118)	3	2.10	275.0	178.0	178.0	1696.0	1497.0
79	4	28	21	(118)	5	1.40	274.0	115.0	115.0	1617.0	1253.0
79	4	28	22	(118)	4	2.40	273.0	114.0	114.0	1529.0	1529.0
79	4	28	23	(118)	5	2.00	272.0	99.0	99.0	1429.0	764.0
79	4	28	24	(118)	6	1.40	271.0	123.0	123.0	1314.0	520.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	4	29	1	(119)	5	2.50	271.0	129.0	129.0	1791.0	520.0
79	4	29	2	(119)	6	2.90	271.0	84.0	84.0	1794.0	520.0
79	4	29	3	(119)	5	3.30	271.0	101.0	101.0	1796.0	520.0
79	4	29	4	(119)	4	3.10	271.0	141.0	141.0	1799.0	1799.0
79	4	29	5	(119)	4	3.70	271.0	133.0	133.0	1137.0	1137.0
79	4	29	6	(119)	4	2.10	272.0	106.0	106.0	1074.0	1074.0
79	4	29	7	(119)	4	2.20	272.0	107.0	107.0	1011.0	1011.0
79	4	29	8	(119)	4	2.40	273.0	123.0	123.0	948.0	948.0
79	4	29	9	(119)	2	3.20	274.0	126.0	126.0	262.0	543.0
79	4	29	10	(119)	4	3.80	273.0	143.0	143.0	822.0	822.0
79	4	29	11	(119)	4	3.90	274.0	133.0	133.0	759.0	759.0
79	4	29	12	(119)	4	4.10	274.0	144.0	144.0	696.0	696.0
79	4	29	13	(119)	4	4.40	274.0	147.0	147.0	633.0	633.0
79	4	29	14	(119)	4	3.80	274.0	140.0	140.0	570.0	570.0
79	4	29	15	(119)	4	3.90	274.0	139.0	139.0	570.0	570.0
79	4	29	16	(119)	4	3.70	274.0	136.0	136.0	570.0	570.0
79	4	29	17	(119)	4	3.20	274.0	136.0	136.0	570.0	570.0
79	4	29	18	(119)	4	3.10	274.0	123.0	123.0	570.0	570.0
79	4	29	19	(119)	4	3.60	273.0	100.0	100.0	571.0	571.0
79	4	29	20	(119)	5	3.60	273.0	82.0	82.0	579.0	601.0
79	4	29	21	(119)	5	4.00	273.0	83.0	83.0	587.0	628.0
79	4	29	22	(119)	5	4.00	273.0	82.0	82.0	597.0	655.0
79	4	29	23	(119)	5	3.90	273.0	76.0	76.0	608.0	683.0
79	4	29	24	(119)	5	3.80	273.0	79.0	79.0	621.0	710.0
79	4	30	1	(120)	5	3.40	273.0	65.0	65.0	736.0	710.0
79	4	30	2	(120)	4	3.40	273.0	54.0	54.0	763.0	763.0
79	4	30	3	(120)	5	4.70	273.0	44.0	44.0	790.0	710.0
79	4	30	4	(120)	5	5.80	273.0	42.0	42.0	818.0	710.0
79	4	30	5	(120)	5	5.20	273.0	46.0	46.0	37.0	725.0
79	4	30	6	(120)	5	5.40	273.0	49.0	49.0	169.0	782.0
79	4	30	7	(120)	5	5.70	273.0	45.0	45.0	302.0	838.0
79	4	30	8	(120)	5	5.70	273.0	39.0	39.0	434.0	894.0
79	4	30	9	(120)	5	5.90	273.0	40.0	40.0	567.0	950.0
79	4	30	10	(120)	5	5.80	274.0	50.0	50.0	700.0	1006.0
79	4	30	11	(120)	5	5.00	275.0	50.0	50.0	832.0	1062.0
79	4	30	12	(120)	5	4.60	276.0	40.0	40.0	965.0	1118.0
79	4	30	13	(120)	5	4.60	277.0	36.0	36.0	1097.0	1174.0
79	4	30	14	(120)	5	3.90	278.0	22.0	22.0	1230.0	1230.0
79	4	30	15	(120)	4	2.00	278.0	4.0	4.0	1230.0	1230.0
79	4	30	16	(120)	4	2.40	278.0	9.0	9.0	1230.0	1230.0
79	4	30	17	(120)	4	2.80	278.0	342.0	342.0	1230.0	1230.0
79	4	30	18	(120)	4	3.70	278.0	326.0	326.0	1230.0	1230.0
79	4	30	19	(120)	4	2.90	278.0	325.0	325.0	1225.0	1225.0
79	4	30	20	(120)	5	2.00	277.0	339.0	339.0	1163.0	993.0
79	4	30	21	(120)	5	4.10	276.0	41.0	41.0	1094.0	776.0
79	4	30	22	(120)	5	4.50	274.0	86.0	86.0	1016.0	559.0
79	4	30	23	(120)	4	2.50	273.0	129.0	129.0	928.0	928.0
79	4	30	24	(120)	4	1.70	272.0	314.0	314.0	828.0	828.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	1	1	(121)	6	1.30	271.0	302.0	302.0	1875.0	125.0
79	5	1	2	(121)	6	0.80	270.0	299.0	299.0	1981.0	125.0
79	5	1	3	(121)	6	0.50	270.0	323.0	323.0	2087.0	125.0
79	5	1	4	(121)	6	1.20	269.0	299.0	299.0	2193.0	125.0
79	5	1	5	(121)	6	0.90	269.0	294.0	294.0	70.0	191.0
79	5	1	6	(121)	6	0.80	269.0	323.0	323.0	301.0	409.0
79	5	1	7	(121)	6	1.40	270.0	277.0	277.0	532.0	626.0
79	5	1	8	(121)	4	1.80	273.0	130.0	130.0	1861.0	1861.0
79	5	1	9	(121)	3	2.80	276.0	142.0	142.0	995.0	1062.0
79	5	1	10	(121)	3	2.90	278.0	140.0	140.0	1226.0	1279.0
79	5	1	11	(121)	3	3.10	280.0	156.0	156.0	1457.0	1497.0
79	5	1	12	(121)	2	4.40	281.0	179.0	179.0	1688.0	1715.0
79	5	1	13	(121)	3	4.20	281.0	202.0	202.0	1919.0	1932.0
79	5	1	14	(121)	3	4.50	281.0	180.0	180.0	2150.0	2150.0
79	5	1	15	(121)	3	5.30	281.0	164.0	164.0	2150.0	2150.0
79	5	1	16	(121)	3	4.80	281.0	162.0	162.0	2150.0	2150.0
79	5	1	17	(121)	3	5.60	280.0	173.0	173.0	2150.0	2150.0
79	5	1	18	(121)	3	5.90	280.0	172.0	172.0	2150.0	2150.0
79	5	1	19	(121)	4	2.70	279.0	147.0	147.0	2143.0	2143.0
79	5	1	20	(121)	4	4.10	279.0	147.0	147.0	2045.0	2045.0
79	5	1	21	(121)	4	3.00	277.0	125.0	125.0	1936.0	1936.0
79	5	1	22	(121)	3	3.30	277.0	127.0	127.0	1812.0	1084.0
79	5	1	23	(121)	4	3.50	276.0	131.0	131.0	1672.0	1672.0
79	5	1	24	(121)	5	3.70	276.0	133.0	133.0	1513.0	390.0
79	5	2	1	(122)	3	3.50	276.0	155.0	155.0	2150.0	390.0
79	5	2	2	(122)	4	3.80	276.0	137.0	137.0	2150.0	2150.0
79	5	2	3	(122)	4	3.60	276.0	132.0	132.0	2150.0	2150.0
79	5	2	4	(122)	3	2.90	275.0	128.0	128.0	2150.0	390.0
79	5	2	5	(122)	4	3.70	275.0	135.0	135.0	1222.0	1222.0
79	5	2	6	(122)	4	4.00	275.0	133.0	133.0	1129.0	1129.0
79	5	2	7	(122)	4	4.70	275.0	129.0	129.0	1037.0	1037.0
79	5	2	8	(122)	4	5.70	276.0	136.0	136.0	944.0	944.0
79	5	2	9	(122)	4	4.60	276.0	129.0	129.0	852.0	852.0
79	5	2	10	(122)	4	4.30	276.0	130.0	130.0	760.0	760.0
79	5	2	11	(122)	4	4.40	277.0	128.0	128.0	667.0	667.0
79	5	2	12	(122)	4	4.90	277.0	129.0	129.0	575.0	575.0
79	5	2	13	(122)	4	4.70	281.0	141.0	141.0	482.0	482.0
79	5	2	14	(122)	2	4.00	277.0	135.0	135.0	390.0	390.0
79	5	2	15	(122)	4	3.20	277.0	127.0	127.0	390.0	390.0
79	5	2	16	(122)	4	3.10	277.0	117.0	117.0	390.0	390.0
79	5	2	17	(122)	4	2.70	277.0	103.0	103.0	390.0	390.0
79	5	2	18	(122)	4	2.20	277.0	76.0	76.0	390.0	390.0
79	5	2	19	(122)	5	1.70	277.0	48.0	48.0	391.0	395.0
79	5	2	20	(122)	5	2.50	277.0	25.0	25.0	421.0	500.0
79	5	2	21	(122)	5	2.10	277.0	39.0	39.0	454.0	605.0
79	5	2	22	(122)	5	2.30	277.0	36.0	36.0	491.0	710.0
79	5	2	23	(122)	5	3.30	277.0	6.0	6.0	533.0	815.0
79	5	2	24	(122)	5	4.50	277.0	8.0	8.0	581.0	920.0

RAM SYSTEM METEOROLOGICAL FILE LISTING 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	3	1	(123)	5	3.50	277.0	13.0	13.0	453.0	920.0
79	5	3	2	(123)	5	4.50	277.0	2.0	2.0	464.0	920.0
79	5	3	3	(123)	5	6.10	277.0	354.0	354.0	474.0	920.0
79	5	3	4	(123)	5	6.80	277.0	355.0	355.0	485.0	920.0
79	5	3	5	(123)	5	6.70	277.0	354.0	354.0	43.0	928.0
79	5	3	6	(123)	5	7.70	277.0	346.0	346.0	162.0	949.0
79	5	3	7	(123)	5	7.00	276.0	343.0	343.0	282.0	970.0
79	5	3	8	(123)	5	8.80	276.0	343.0	343.0	402.0	992.0
79	5	3	9	(123)	5	9.10	276.0	344.0	344.0	522.0	1013.0
79	5	3	10	(123)	5	8.80	278.0	349.0	349.0	641.0	1035.0
79	5	3	11	(123)	4	8.90	278.0	331.0	331.0	1005.0	1005.0
79	5	3	12	(123)	4	9.10	278.0	335.0	335.0	1043.0	1043.0
79	5	3	13	(123)	4	8.10	279.0	327.0	327.0	1082.0	1082.0
79	5	3	14	(123)	4	8.00	279.0	324.0	324.0	1120.0	1120.0
79	5	3	15	(123)	4	7.70	280.0	335.0	335.0	1120.0	1120.0
79	5	3	16	(123)	4	8.10	280.0	323.0	323.0	1120.0	1120.0
79	5	3	17	(123)	4	8.40	281.0	334.0	334.0	1120.0	1120.0
79	5	3	18	(123)	4	7.20	280.0	331.0	331.0	1120.0	1120.0
79	5	3	19	(123)	5	5.30	280.0	337.0	337.0	1119.0	1118.0
79	5	3	20	(123)	5	7.00	278.0	345.0	345.0	1095.0	1030.0
79	5	3	21	(123)	5	6.10	277.0	344.0	344.0	1068.0	943.0
79	5	3	22	(123)	5	4.70	276.0	346.0	346.0	1037.0	855.0
79	5	3	23	(123)	5	4.80	275.0	335.0	335.0	1002.0	768.0
79	5	3	24	(123)	4	4.60	274.0	308.0	308.0	962.0	962.0
79	5	4	1	(124)	4	4.60	274.0	301.0	301.0	1358.0	1358.0
79	5	4	2	(124)	4	4.70	273.0	314.0	314.0	1398.0	1398.0
79	5	4	3	(124)	4	4.60	272.0	295.0	295.0	1438.0	1438.0
79	5	4	4	(124)	5	5.30	272.0	293.0	293.0	1478.0	680.0
79	5	4	5	(124)	5	4.50	271.0	295.0	295.0	59.0	711.0
79	5	4	6	(124)	5	4.70	271.0	290.0	290.0	212.0	791.0
79	5	4	7	(124)	4	3.90	272.0	276.0	276.0	1319.0	1319.0
79	5	4	8	(124)	4	3.00	273.0	288.0	288.0	1336.0	1336.0
79	5	4	9	(124)	4	3.10	274.0	330.0	330.0	1352.0	1352.0
79	5	4	10	(124)	4	4.50	274.0	320.0	320.0	1369.0	1369.0
79	5	4	11	(124)	4	4.40	275.0	310.0	310.0	1385.0	1385.0
79	5	4	12	(124)	4	5.20	276.0	319.0	319.0	1402.0	1402.0
79	5	4	13	(124)	4	5.80	276.0	329.0	329.0	1418.0	1418.0
79	5	4	14	(124)	4	5.60	276.0	316.0	316.0	1435.0	1435.0
79	5	4	15	(124)	4	5.20	277.0	330.0	330.0	1435.0	1435.0
79	5	4	16	(124)	4	4.90	277.0	330.0	330.0	1435.0	1435.0
79	5	4	17	(124)	4	5.20	277.0	328.0	328.0	1435.0	1435.0
79	5	4	18	(124)	4	5.60	277.0	340.0	340.0	1435.0	1435.0
79	5	4	19	(124)	5	5.30	277.0	342.0	342.0	1435.0	1434.0
79	5	4	20	(124)	5	3.50	276.0	360.0	360.0	1371.0	1206.0
79	5	4	21	(124)	5	2.10	275.0	298.0	298.0	1300.0	977.0
79	5	4	22	(124)	6	1.00	273.0	287.0	287.0	1220.0	748.0
79	5	4	23	(124)	5	1.60	272.0	314.0	314.0	1129.0	519.0
79	5	4	24	(124)	5	3.40	272.0	124.0	124.0	1026.0	290.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	5	1	(125)	4	4.40	272.0	140.0	140.0	1435.0	1435.0
79	5	5	2	(125)	5	3.70	271.0	69.0	69.0	1435.0	290.0
79	5	5	3	(125)	5	3.30	271.0	65.0	65.0	1435.0	290.0
79	5	5	4	(125)	4	3.30	271.0	120.0	120.0	1435.0	1435.0
79	5	5	5	(125)	5	2.20	271.0	88.0	88.0	13.0	290.0
79	5	5	6	(125)	5	1.80	271.0	104.0	104.0	43.0	290.0
79	5	5	7	(125)	5	1.50	272.0	94.0	94.0	74.0	290.0
79	5	5	8	(125)	4	2.40	273.0	154.0	154.0	652.0	652.0
79	5	5	9	(125)	3	2.30	272.0	155.0	155.0	136.0	290.0
79	5	5	10	(125)	4	3.00	273.0	132.0	132.0	531.0	531.0
79	5	5	11	(125)	4	3.90	273.0	129.0	129.0	471.0	471.0
79	5	5	12	(125)	4	4.20	273.0	123.0	123.0	411.0	411.0
79	5	5	13	(125)	3	4.20	273.0	119.0	119.0	259.0	290.0
79	5	5	14	(125)	3	4.80	273.0	107.0	107.0	290.0	290.0
79	5	5	15	(125)	2	4.60	273.0	113.0	113.0	290.0	290.0
79	5	5	16	(125)	3	4.30	273.0	113.0	113.0	290.0	290.0
79	5	5	17	(125)	1	4.90	273.0	108.0	108.0	290.0	290.0
79	5	5	18	(125)	3	4.50	273.0	98.0	98.0	290.0	290.0
79	5	5	19	(125)	3	5.00	273.0	98.0	98.0	290.0	290.0
79	5	5	20	(125)	4	5.50	273.0	100.0	100.0	298.0	298.0
79	5	5	21	(125)	4	5.20	273.0	95.0	95.0	307.0	307.0
79	5	5	22	(125)	4	5.00	273.0	92.0	92.0	318.0	318.0
79	5	5	23	(125)	4	4.30	273.0	89.0	89.0	330.0	330.0
79	5	5	24	(125)	5	4.60	273.0	81.0	81.0	343.0	440.0
79	5	6	1	(126)	5	4.30	273.0	77.0	77.0	369.0	440.0
79	5	6	2	(126)	5	4.30	273.0	74.0	74.0	382.0	440.0
79	5	6	3	(126)	5	3.70	273.0	70.0	70.0	395.0	440.0
79	5	6	4	(126)	5	3.30	273.0	69.0	69.0	408.0	440.0
79	5	6	5	(126)	5	2.90	273.0	68.0	68.0	32.0	451.0
79	5	6	6	(126)	4	0.40	273.0	63.0	63.0	521.0	521.0
79	5	6	7	(126)	5	3.80	273.0	66.0	66.0	178.0	504.0
79	5	6	8	(126)	5	4.00	273.0	80.0	80.0	251.0	531.0
79	5	6	9	(126)	5	3.50	274.0	78.0	78.0	324.0	557.0
79	5	6	10	(126)	5	3.80	274.0	87.0	87.0	397.0	584.0
79	5	6	11	(126)	5	4.50	274.0	81.0	81.0	471.0	610.0
79	5	6	12	(126)	5	3.90	274.0	82.0	82.0	544.0	637.0
79	5	6	13	(126)	4	3.80	275.0	97.0	97.0	669.0	669.0
79	5	6	14	(126)	3	4.30	275.0	112.0	112.0	690.0	690.0
79	5	6	15	(126)	3	4.80	275.0	109.0	109.0	690.0	690.0
79	5	6	16	(126)	2	4.30	276.0	110.0	110.0	690.0	690.0
79	5	6	17	(126)	4	4.90	276.0	103.0	103.0	690.0	690.0
79	5	6	18	(126)	2	4.50	275.0	106.0	106.0	690.0	690.0
79	5	6	19	(126)	2	5.40	275.0	104.0	104.0	690.0	690.0
79	5	6	20	(126)	4	5.70	275.0	114.0	114.0	659.0	659.0
79	5	6	21	(126)	3	5.80	275.0	116.0	116.0	623.0	461.0
79	5	6	22	(126)	3	4.90	276.0	121.0	121.0	583.0	344.0
79	5	6	23	(126)	3	3.20	276.0	116.0	116.0	537.0	227.0
79	5	6	24	(126)	4	4.20	276.0	109.0	109.0	485.0	485.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	7	1	(127)	4	4.10	276.0	117.0	117.0	844.0	844.0
79	5	7	2	(127)	4	4.00	276.0	116.0	116.0	869.0	869.0
79	5	7	3	(127)	4	3.70	276.0	113.0	113.0	895.0	895.0
79	5	7	4	(127)	4	3.40	276.0	115.0	115.0	921.0	921.0
79	5	7	5	(127)	5	3.80	276.0	117.0	117.0	29.0	134.0
79	5	7	6	(127)	4	3.50	277.0	111.0	111.0	638.0	638.0
79	5	7	7	(127)	4	3.70	278.0	123.0	123.0	633.0	633.0
79	5	7	8	(127)	4	3.20	280.0	140.0	140.0	629.0	629.0
79	5	7	9	(127)	4	3.80	283.0	145.0	145.0	624.0	624.0
79	5	7	10	(127)	3	4.60	286.0	157.0	157.0	346.0	393.0
79	5	7	11	(127)	3	5.40	288.0	145.0	145.0	410.0	445.0
79	5	7	12	(127)	4	6.80	289.0	159.0	159.0	610.0	610.0
79	5	7	13	(127)	3	6.30	289.0	162.0	162.0	537.0	548.0
79	5	7	14	(127)	4	5.20	288.0	148.0	148.0	600.0	600.0
79	5	7	15	(127)	3	5.40	287.0	165.0	165.0	600.0	600.0
79	5	7	16	(127)	4	5.60	288.0	144.0	144.0	600.0	600.0
79	5	7	17	(127)	3	4.60	290.0	173.0	173.0	600.0	600.0
79	5	7	18	(127)	3	4.70	289.0	156.0	156.0	600.0	600.0
79	5	7	19	(127)	3	4.10	289.0	161.0	161.0	600.0	600.0
79	5	7	20	(127)	4	4.60	289.0	152.0	152.0	570.0	570.0
79	5	7	21	(127)	4	3.70	288.0	151.0	151.0	535.0	535.0
79	5	7	22	(127)	4	4.10	288.0	163.0	163.0	495.0	495.0
79	5	7	23	(127)	4	3.00	287.0	84.0	84.0	450.0	450.0
79	5	7	24	(127)	5	2.90	287.0	291.0	291.0	392.0	30.0
79	5	8	1	(128)	5	4.60	288.0	298.0	298.0	1105.0	30.0
79	5	8	2	(128)	5	5.00	288.0	307.0	307.0	1190.0	30.0
79	5	8	3	(128)	4	5.90	289.0	319.0	319.0	1276.0	1276.0
79	5	8	4	(128)	4	4.60	288.0	347.0	347.0	1361.0	1361.0
79	5	8	5	(128)	5	4.70	286.0	7.0	7.0	84.0	112.0
79	5	8	6	(128)	5	3.00	286.0	347.0	347.0	257.0	283.0
79	5	8	7	(128)	4	2.10	286.0	63.0	63.0	1258.0	1258.0
79	5	8	8	(128)	4	2.10	286.0	91.0	91.0	1313.0	1313.0
79	5	8	9	(128)	4	3.50	287.0	116.0	116.0	1369.0	1369.0
79	5	8	10	(128)	4	4.00	286.0	116.0	116.0	1424.0	1424.0
79	5	8	11	(128)	4	3.70	287.0	131.0	131.0	1479.0	1479.0
79	5	8	12	(128)	4	4.30	288.0	142.0	142.0	1534.0	1534.0
79	5	8	13	(128)	3	2.90	290.0	150.0	150.0	1472.0	1475.0
79	5	8	14	(128)	3	2.50	290.0	109.0	109.0	1645.0	1645.0
79	5	8	15	(128)	4	3.60	292.0	108.0	108.0	1645.0	1645.0
79	5	8	16	(128)	3	2.10	293.0	118.0	118.0	1645.0	1645.0
79	5	8	17	(128)	3	4.10	293.0	359.0	359.0	1645.0	1645.0
79	5	8	18	(128)	4	4.00	288.0	331.0	331.0	1645.0	1645.0
79	5	8	19	(128)	5	6.10	286.0	343.0	343.0	1645.0	1645.0
79	5	8	20	(128)	5	5.40	284.0	355.0	355.0	1582.0	1414.0
79	5	8	21	(128)	5	5.20	283.0	8.0	8.0	1505.0	1160.0
79	5	8	22	(128)	5	4.50	283.0	8.0	8.0	1418.0	907.0
79	5	8	23	(128)	5	5.70	282.0	7.0	7.0	1320.0	653.0
79	5	8	24	(128)	5	3.40	280.0	6.0	6.0	1208.0	400.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	9	1	(129)	2	3.50	281.0	19.0	19.0	1676.0	400.0
79	5	9	2	(129)	2	2.80	280.0	338.0	338.0	1681.0	400.0
79	5	9	3	(129)	4	1.00	279.0	31.0	31.0	1687.0	1687.0
79	5	9	4	(129)	3	2.20	281.0	349.0	349.0	1692.0	400.0
79	5	9	5	(129)	4	2.50	280.0	346.0	346.0	1046.0	1046.0
79	5	9	6	(129)	4	2.10	281.0	319.0	319.0	985.0	985.0
79	5	9	7	(129)	5	3.00	281.0	4.0	4.0	132.0	426.0
79	5	9	8	(129)	5	3.40	282.0	25.0	25.0	184.0	437.0
79	5	9	9	(129)	5	3.70	282.0	43.0	43.0	237.0	447.0
79	5	9	10	(129)	5	3.50	283.0	53.0	53.0	290.0	458.0
79	5	9	11	(129)	5	4.60	283.0	47.0	47.0	342.0	468.0
79	5	9	12	(129)	5	4.20	283.0	56.0	56.0	395.0	479.0
79	5	9	13	(129)	5	4.40	282.0	60.0	60.0	447.0	489.0
79	5	9	14	(129)	5	4.60	282.0	64.0	64.0	500.0	500.0
79	5	9	15	(129)	5	5.30	281.0	62.0	62.0	500.0	500.0
79	5	9	16	(129)	5	5.30	281.0	68.0	68.0	500.0	500.0
79	5	9	17	(129)	5	4.60	281.0	68.0	68.0	500.0	500.0
79	5	9	18	(129)	5	4.00	280.0	65.0	65.0	500.0	500.0
79	5	9	19	(129)	5	4.70	280.0	58.0	58.0	500.0	500.0
79	5	9	20	(129)	5	4.60	279.0	61.0	61.0	482.0	435.0
79	5	9	21	(129)	5	4.30	279.0	66.0	66.0	461.0	363.0
79	5	9	22	(129)	4	4.90	279.0	79.0	79.0	436.0	436.0
79	5	9	23	(129)	4	3.80	279.0	75.0	75.0	408.0	408.0
79	5	9	24	(129)	5	3.40	279.0	72.0	72.0	376.0	145.0
79	5	10	1	(130)	5	2.90	279.0	71.0	71.0	993.0	145.0
79	5	10	2	(130)	5	2.60	279.0	59.0	59.0	1077.0	145.0
79	5	10	3	(130)	5	2.90	279.0	62.0	62.0	1161.0	145.0
79	5	10	4	(130)	4	2.00	279.0	54.0	54.0	1245.0	1245.0
79	5	10	5	(130)	5	2.30	279.0	42.0	42.0	96.0	233.0
79	5	10	6	(130)	6	3.20	279.0	38.0	38.0	278.0	400.0
79	5	10	7	(130)	5	3.40	279.0	42.0	42.0	459.0	566.0
79	5	10	8	(130)	5	2.60	281.0	51.0	51.0	641.0	732.0
79	5	10	9	(130)	4	2.40	284.0	93.0	93.0	1404.0	1404.0
79	5	10	10	(130)	3	2.10	287.0	95.0	95.0	1004.0	1065.0
79	5	10	11	(130)	1	1.90	289.0	182.0	182.0	1185.0	1231.0
79	5	10	12	(130)	1	3.50	293.0	168.0	168.0	1367.0	1397.0
79	5	10	13	(130)	3	4.20	296.0	152.0	152.0	1548.0	1564.0
79	5	10	14	(130)	3	5.00	298.0	164.0	164.0	1730.0	1730.0
79	5	10	15	(130)	3	6.00	299.0	179.0	179.0	1730.0	1730.0
79	5	10	16	(130)	3	7.10	299.0	194.0	194.0	1730.0	1730.0
79	5	10	17	(130)	3	6.80	300.0	168.0	168.0	1730.0	1730.0
79	5	10	18	(130)	3	6.60	298.0	153.0	153.0	1730.0	1730.0
79	5	10	19	(130)	4	5.10	296.0	144.0	144.0	1730.0	1730.0
79	5	10	20	(130)	4	5.00	294.0	144.0	144.0	1652.0	1652.0
79	5	10	21	(130)	4	4.60	292.0	126.0	126.0	1553.0	1553.0
79	5	10	22	(130)	3	3.60	289.0	111.0	111.0	1441.0	781.0
79	5	10	23	(130)	4	3.40	286.0	115.0	115.0	1315.0	1315.0
79	5	10	24	(130)	4	4.20	285.0	124.0	124.0	1170.0	1170.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	11	1	(131)	3	2.60	285.0	147.0	147.0	1770.0	120.0
79	5	11	2	(131)	3	2.30	285.0	158.0	158.0	1777.0	120.0
79	5	11	3	(131)	1	2.30	285.0	57.0	57.0	1784.0	120.0
79	5	11	4	(131)	3	3.20	285.0	131.0	131.0	1791.0	120.0
79	5	11	5	(131)	2	2.50	285.0	171.0	171.0	14.0	128.0
79	5	11	6	(131)	4	3.30	285.0	127.0	127.0	878.0	878.0
79	5	11	7	(131)	4	3.60	285.0	129.0	129.0	800.0	800.0
79	5	11	8	(131)	3	3.80	287.0	198.0	198.0	93.0	168.0
79	5	11	9	(131)	4	4.60	289.0	196.0	196.0	643.0	643.0
79	5	11	10	(131)	4	6.70	286.0	288.0	288.0	564.0	564.0
79	5	11	11	(131)	4	6.80	286.0	297.0	297.0	486.0	486.0
79	5	11	12	(131)	4	7.10	286.0	297.0	297.0	407.0	407.0
79	5	11	13	(131)	4	6.30	286.0	286.0	286.0	329.0	329.0
79	5	11	14	(131)	4	5.10	285.0	270.0	270.0	250.0	250.0
79	5	11	15	(131)	3	3.90	287.0	278.0	278.0	250.0	250.0
79	5	11	16	(131)	3	4.60	288.0	297.0	297.0	250.0	250.0
79	5	11	17	(131)	4	6.70	288.0	293.0	293.0	250.0	250.0
79	5	11	18	(131)	4	6.50	287.0	300.0	300.0	250.0	250.0
79	5	11	19	(131)	4	6.80	285.0	290.0	290.0	250.0	250.0
79	5	11	20	(131)	4	6.50	283.0	292.0	292.0	268.0	268.0
79	5	11	21	(131)	4	6.00	281.0	289.0	289.0	292.0	292.0
79	5	11	22	(131)	4	7.10	280.0	300.0	300.0	319.0	319.0
79	5	11	23	(131)	4	6.00	279.0	301.0	301.0	350.0	350.0
79	5	11	24	(131)	4	4.60	279.0	299.0	299.0	385.0	385.0
79	5	12	1	(132)	5	3.60	278.0	273.0	273.0	420.0	640.0
79	5	12	2	(132)	5	4.00	277.0	281.0	281.0	449.0	640.0
79	5	12	3	(132)	5	4.80	277.0	293.0	293.0	479.0	640.0
79	5	12	4	(132)	5	3.20	278.0	264.0	264.0	508.0	640.0
79	5	12	5	(132)	5	2.70	278.0	249.0	249.0	72.0	673.0
79	5	12	6	(132)	4	3.60	278.0	285.0	285.0	791.0	791.0
79	5	12	7	(132)	4	4.00	278.0	312.0	312.0	840.0	840.0
79	5	12	8	(132)	4	3.80	279.0	291.0	291.0	890.0	890.0
79	5	12	9	(132)	4	3.60	279.0	316.0	316.0	940.0	940.0
79	5	12	10	(132)	4	3.80	279.0	308.0	308.0	990.0	990.0
79	5	12	11	(132)	3	3.00	280.0	329.0	329.0	817.0	1018.0
79	5	12	12	(132)	2	2.60	281.0	329.0	329.0	941.0	1075.0
79	5	12	13	(132)	3	3.60	282.0	327.0	327.0	1066.0	1133.0
79	5	12	14	(132)	3	3.70	283.0	354.0	354.0	1190.0	1190.0
79	5	12	15	(132)	3	5.20	284.0	300.0	300.0	1190.0	1190.0
79	5	12	16	(132)	4	4.60	284.0	319.0	319.0	1190.0	1190.0
79	5	12	17	(132)	3	4.60	284.0	317.0	317.0	1190.0	1190.0
79	5	12	18	(132)	4	5.10	28[illegible]0	316.0	316.0	1190.0	1190.0
79	5	12	19	(132)	4	3.10	28[illegible]0	305.0	305.0	1190.0	1190.0
79	5	12	20	(132)	4	3.80	283.0	296.0	296.0	1140.0	1140.0
79	5	12	21	(132)	5	2.80	282.0	299.0	299.0	1072.0	774.0
79	5	12	22	(132)	5	1.60	280.0	348.0	348.0	996.0	546.0
79	5	12	23	(132)	5	2.30	278.0	123.0	123.0	910.0	318.0
79	5	12	24	(132)	5	2.70	277.0	107.0	107.0	811.0	90.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	13	1	(133)	4	2.30	276.0	330.0	330.0	1860.0	1860.0
79	5	13	2	(133)	4	2.80	275.0	4.0	4.0	1975.0	1975.0
79	5	13	3	(133)	5	3.40	274.0	311.0	311.0	2091.0	90.0
79	5	13	4	(133)	4	3.10	274.0	270.0	270.0	2206.0	2206.0
79	5	13	5	(133)	4	3.20	275.0	282.0	282.0	1748.0	1748.0
79	5	13	6	(133)	5	2.70	275.0	137.0	137.0	376.0	451.0
79	5	13	7	(133)	5	3.20	277.0	129.0	129.0	612.0	677.0
79	5	13	8	(133)	4	3.70	281.0	212.0	212.0	1919.0	1919.0
79	5	13	9	(133)	4	4.00	285.0	237.0	237.0	1975.0	1975.0
79	5	13	10	(133)	4	5.20	287.0	248.0	248.0	2032.0	2032.0
79	5	13	11	(133)	4	6.30	287.0	251.0	251.0	2089.0	2089.0
79	5	13	12	(133)	4	6.90	287.0	232.0	232.0	2146.0	2146.0
79	5	13	13	(133)	4	8.00	286.0	223.0	223.0	2203.0	2203.0
79	5	13	14	(133)	5	7.50	286.0	227.0	227.0	2260.0	2260.0
79	5	13	15	(133)	4	6.70	287.0	210.0	210.0	2260.0	2260.0
79	5	13	16	(133)	4	9.30	282.0	289.0	289.0	2260.0	2260.0
79	5	13	17	(133)	4	2.90	280.0	303.0	303.0	2260.0	2260.0
79	5	13	18	(133)	4	0.50	282.0	320.0	320.0	2260.0	2260.0
79	5	13	19	(133)	4	2.40	282.0	126.0	126.0	2260.0	2260.0
79	5	13	20	(133)	4	3.40	282.0	129.0	129.0	2177.0	2177.0
79	5	13	21	(133)	5	3.90	281.0	139.0	139.0	2064.0	1566.0
79	5	13	22	(133)	5	2.40	280.0	144.0	144.0	1936.0	1180.0
79	5	13	23	(133)	4	2.70	280.0	268.0	268.0	1791.0	1791.0
79	5	13	24	(133)	4	2.00	280.0	178.0	178.0	1625.0	1625.0
79	5	14	1	(134)	4	4.00	280.0	221.0	221.0	2880.0	2880.0
79	5	14	2	(134)	5	3.40	280.0	253.0	253.0	2988.0	410.0
79	5	14	3	(134)	5	3.60	280.0	310.0	310.0	3095.0	410.0
79	5	14	4	(134)	5	2.80	279.0	314.0	314.0	3202.0	410.0
79	5	14	5	(134)	5	2.80	278.0	264.0	264.0	156.0	540.0
79	5	14	6	(134)	5	4.40	278.0	289.0	289.0	408.0	749.0
79	5	14	7	(134)	4	4.60	279.0	296.0	296.0	2364.0	2364.0
79	5	14	8	(134)	4	4.30	281.0	322.0	322.0	2372.0	2372.0
79	5	14	9	(134)	4	5.40	283.0	331.0	331.0	2381.0	2381.0
79	5	14	10	(134)	4	5.80	284.0	308.0	308.0	2390.0	2390.0
79	5	14	11	(134)	3	5.00	285.0	306.0	306.0	1669.0	1797.0
79	5	14	12	(134)	2	4.20	286.0	308.0	308.0	1921.0	2006.0
79	5	14	13	(134)	3	4.60	286.0	316.0	316.0	2173.0	2216.0
79	5	14	14	(134)	3	5.30	287.0	307.0	307.0	2425.0	2425.0
79	5	14	15	(134)	3	5.50	287.0	290.0	290.0	2425.0	2425.0
79	5	14	16	(134)	3	4.60	288.0	299.0	299.0	2425.0	2425.0
79	5	14	17	(134)	3	4.00	288.0	284.0	284.0	2425.0	2425.0
79	5	14	18	(134)	3	2.30	287.0	326.0	326.0	2425.0	2425.0
79	5	14	19	(134)	3	3.30	287.0	279.0	279.0	2425.0	2425.0
79	5	14	20	(134)	4	4.30	286.0	329.0	329.0	2325.0	2325.0
79	5	14	21	(134)	5	5.70	285.0	14.0	14.0	2184.0	1570.0
79	5	14	22	(134)	5	6.10	283.0	32.0	32.0	2026.0	1090.0
79	5	14	23	(134)	5	5.60	281.0	17.0	17.0	1846.0	610.0
79	5	14	24	(134)	4	3.40	279.0	123.0	123.0	1641.0	1641.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	15	1	(135)	5	1.30	278.0	311.0	311.0	3137.0	130.0
79	5	15	2	(135)	6	0.70	277.0	11.0	11.0	3261.0	130.0
79	5	15	3	(135)	5	3.90	276.0	308.0	308.0	3385.0	130.0
79	5	15	4	(135)	5	3.90	276.0	320.0	320.0	3508.0	130.0
79	5	15	5	(135)	5	3.80	276.0	310.0	310.0	163.0	284.0
79	5	15	6	(135)	4	2.80	276.0	257.0	257.0	2439.0	2439.0
79	5	15	7	(135)	4	2.40	276.0	105.0	105.0	2441.0	2441.0
79	5	15	8	(135)	2	1.60	277.0	65.0	65.0	925.0	1006.0
79	5	15	9	(135)	4	2.80	280.0	75.0	75.0	2443.0	2443.0
79	5	15	10	(135)	3	3.40	281.0	49.0	49.0	1434.0	1487.0
79	5	15	11	(135)	4	3.30	282.0	31.0	31.0	2446.0	2446.0
79	5	15	12	(135)	4	4.10	283.0	18.0	18.0	2447.0	2447.0
79	5	15	13	(135)	4	4.50	285.0	3.0	3.0	2449.0	2449.0
79	5	15	14	(135)	3	5.00	285.0	359.0	359.0	2450.0	2450.0
79	5	15	15	(135)	3	5.10	286.0	343.0	343.0	2450.0	2450.0
79	5	15	16	(135)	4	5.00	286.0	330.0	330.0	2450.0	2450.0
79	5	15	17	(135)	4	4.50	286.0	344.0	344.0	2450.0	2450.0
79	5	15	18	(135)	4	4.60	286.0	344.0	344.0	2450.0	2450.0
79	5	15	19	(135)	5	4.50	285.0	3.0	3.0	2450.0	2450.0
79	5	15	20	(135)	5	3.90	282.0	69.0	69.0	2360.0	2108.0
79	5	15	21	(135)	5	4.70	279.0	77.0	77.0	2228.0	1659.0
79	5	15	22	(135)	5	3.20	277.0	110.0	110.0	2081.0	1209.0
79	5	15	23	(135)	3	1.80	276.0	73.0	73.0	1914.0	760.0
79	5	15	24	(135)	6	1.10	275.0	287.0	287.0	1722.0	310.0
79	5	16	1	(136)	5	2.10	274.0	291.0	291.0	2876.0	310.0
79	5	16	2	(136)	5	2.90	273.0	310.0	310.0	2950.0	310.0
79	5	16	3	(136)	5	2.90	273.0	308.0	308.0	3024.0	310.0
79	5	16	4	(136)	5	3.70	273.0	304.0	304.0	3098.0	310.0
79	5	16	5	(136)	5	3.30	273.0	312.0	312.0	116.0	405.0
79	5	16	6	(136)	5	2.50	273.0	295.0	295.0	292.0	549.0
79	5	16	7	(136)	4	2.90	275.0	299.0	299.0	1980.0	1980.0
79	5	16	8	(136)	3	2.80	279.0	189.0	189.0	644.0	837.0
79	5	16	9	(136)	4	4.10	282.0	201.0	201.0	1900.0	1900.0
79	5	16	10	(136)	4	4.20	283.0	209.0	209.0	1860.0	1860.0
79	5	16	11	(136)	3	4.20	286.0	171.0	171.0	1172.0	1268.0
79	5	16	12	(136)	2	4.60	287.0	166.0	166.0	1348.0	1412.0
79	5	16	13	(136)	3	5.50	288.0	185.0	185.0	1524.0	1556.0
79	5	16	14	(136)	3	5.80	289.0	214.0	214.0	1700.0	1700.0
79	5	16	15	(136)	5	2.20	289.0	305.0	305.0	1700.0	1700.0
79	5	16	16	(136)	5	2.20	289.0	305.0	305.0	1700.0	1700.0
79	5	16	17	(136)	5	2.20	289.0	305.0	305.0	1700.0	1700.0
79	5	16	18	(136)	5	2.20	289.0	305.0	305.0	1700.0	1700.0
79	5	16	19	(136)	5	2.20	289.0	305.0	305.0	1700.0	1700.0
79	5	16	20	(136)	5	2.20	289.0	305.0	305.0	1642.0	1479.0
79	5	16	21	(136)	5	2.20	289.0	305.0	305.0	1555.0	1179.0
79	5	16	22	(136)	5	2.20	289.0	305.0	305.0	1457.0	879.0
79	5	16	23	(136)	5	2.20	289.0	305.0	305.0	1346.0	580.0
79	5	16	24	(136)	5	2.20	289.0	305.0	305.0	1219.0	280.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	17	1	(137)	5	2.20	289.0	305.0	305.0	2137.0	280.0
79	5	17	2	(137)	5	2.20	289.0	305.0	305.0	2213.0	280.0
79	5	17	3	(137)	5	2.20	289.0	305.0	305.0	2290.0	280.0
79	5	17	4	(137)	5	2.20	289.0	305.0	305.0	2366.0	280.0
79	5	17	5	(137)	5	2.20	289.0	305.0	305.0	120.0	381.0
79	5	17	6	(137)	5	2.20	289.0	305.0	305.0	297.0	528.0
79	5	17	7	(137)	5	2.20	289.0	305.0	305.0	474.0	676.0
79	5	17	8	(137)	5	2.20	289.0	305.0	305.0	650.0	824.0
79	5	17	9	(137)	5	2.20	289.0	305.0	305.0	827.0	971.0
79	5	17	10	(137)	5	2.20	289.0	305.0	305.0	1004.0	1119.0
79	5	17	11	(137)	5	2.20	289.0	305.0	305.0	1180.0	1267.0
79	5	17	12	(137)	5	2.20	289.0	305.0	305.0	1357.0	1415.0
79	5	17	13	(137)	4	8.90	293.0	195.0	195.0	1709.0	1709.0
79	5	17	14	(137)	3	8.40	295.0	185.0	185.0	1710.0	1710.0
79	5	17	15	(137)	3	7.90	296.0	172.0	172.0	1710.0	1710.0
79	5	17	16	(137)	3	9.20	295.0	176.0	176.0	1710.0	1710.0
79	5	17	17	(137)	3	7.90	294.0	163.0	163.0	1710.0	1710.0
79	5	17	18	(137)	3	7.40	293.0	170.0	170.0	1710.0	1710.0
79	5	17	19	(137)	3	7.20	292.0	175.0	175.0	1710.0	1710.0
79	5	17	20	(137)	2	7.50	291.0	184.0	184.0	1652.0	1488.0
79	5	17	21	(137)	3	6.30	289.0	173.0	173.0	1562.0	1178.0
79	5	17	22	(137)	3	6.50	289.0	174.0	174.0	1462.0	869.0
79	5	17	23	(137)	2	6.50	289.0	176.0	176.0	1348.0	559.0
79	5	17	24	(137)	3	5.80	289.0	178.0	178.0	1218.0	250.0
79	5	18	1	(138)	3	6.10	289.0	205.0	205.0	2038.0	250.0
79	5	18	2	(138)	3	4.50	289.0	190.0	190.0	2095.0	250.0
79	5	18	3	(138)	4	4.10	288.0	124.0	124.0	2153.0	2153.0
79	5	18	4	(138)	3	3.80	287.0	102.0	102.0	2210.0	250.0
79	5	18	5	(138)	3	4.20	286.0	94.0	94.0	96.0	328.0
79	5	18	6	(138)	3	4.70	287.0	124.0	124.0	333.0	439.0
79	5	18	7	(138)	4	3.90	288.0	144.0	144.0	1469.0	1469.0
79	5	18	8	(138)	4	3.90	288.0	144.0	144.0	1449.0	1449.0
79	5	18	9	(138)	4	5.80	294.0	252.0	252.0	1428.0	1428.0
79	5	18	10	(138)	4	6.30	295.0	259.0	259.0	1407.0	1407.0
79	5	18	11	(138)	4	8.10	291.0	259.0	259.0	1387.0	1387.0
79	5	18	12	(138)	4	5.80	292.0	252.0	252.0	1366.0	1366.0
79	5	18	13	(138)	4	9.20	293.0	250.0	250.0	1346.0	1346.0
79	5	18	14	(138)	4	8.80	294.0	248.0	248.0	1325.0	1325.0
79	5	18	15	(138)	4	8.60	294.0	242.0	242.0	1325.0	1325.0
79	5	18	16	(138)	4	9.20	292.0	243.0	243.0	1325.0	1325.0
79	5	18	17	(138)	4	7.20	292.0	243.0	243.0	1325.0	1325.0
79	5	18	18	(138)	4	5.10	291.0	207.0	207.0	1325.0	1325.0
79	5	18	19	(138)	3	4.10	290.0	188.0	188.0	1325.0	1325.0
79	5	18	20	(138)	3	4.50	289.0	192.0	192.0	1280.0	1152.0
79	5	18	21	(138)	3	5.00	288.0	197.0	197.0	1209.0	904.0
79	5	18	22	(138)	3	4.00	288.0	208.0	208.0	1129.0	656.0
79	5	18	23	(138)	3	2.70	288.0	195.0	195.0	1038.0	408.0
79	5	18	24	(138)	4	5.90	287.0	214.0	214.0	934.0	934.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	19	1	(139)	5	3.60	286.0	245.0	245.0	1410.0	160.0
79	5	19	2	(139)	4	2.10	285.0	127.0	127.0	1425.0	1425.0
79	5	19	3	(139)	4	3.40	285.0	339.0	339.0	1440.0	1440.0
79	5	19	4	(139)	4	5.50	283.0	2.0	2.0	1455.0	1455.0
79	5	19	5	(139)	5	4.60	283.0	16.0	16.0	33.0	181.0
79	5	19	6	(139)	4	4.60	283.0	358.0	358.0	819.0	819.0
79	5	19	7	(139)	5	5.20	282.0	25.0	25.0	123.0	238.0
79	5	19	8	(139)	4	3.70	282.0	32.0	32.0	724.0	724.0
79	5	19	9	(139)	5	4.40	282.0	21.0	21.0	214.0	296.0
79	5	19	10	(139)	5	4.60	283.0	17.0	17.0	259.0	325.0
79	5	19	11	(139)	5	5.40	284.0	20.0	20.0	304.0	354.0
79	5	19	12	(139)	5	3.50	285.0	30.0	30.0	349.0	382.0
79	5	19	13	(139)	4	2.00	285.0	45.0	45.0	487.0	487.0
79	5	19	14	(139)	3	3.50	287.0	7.0	7.0	440.0	440.0
79	5	19	15	(139)	4	5.30	287.0	351.0	351.0	440.0	440.0
79	5	19	16	(139)	5	5.70	287.0	357.0	357.0	440.0	440.0
79	5	19	17	(139)	5	4.30	287.0	17.0	17.0	440.0	440.0
79	5	19	18	(139)	5	3.50	287.0	30.0	30.0	440.0	440.0
79	5	19	19	(139)	5	2.70	287.0	53.0	53.0	440.0	440.0
79	5	19	20	(139)	5	3.10	285.0	111.0	111.0	428.0	395.0
79	5	19	21	(139)	3	3.60	284.0	119.0	119.0	409.0	329.0
79	5	19	22	(139)	4	5.00	282.0	86.0	86.0	388.0	388.0
79	5	19	23	(139)	4	3.20	280.0	107.0	107.0	364.0	364.0
79	5	19	24	(139)	4	2.60	280.0	142.0	142.0	336.0	336.0
79	5	20	1	(140)	4	2.70	280.0	116.0	116.0	840.0	840.0
79	5	20	2	(140)	4	2.30	280.0	127.0	127.0	911.0	911.0
79	5	20	3	(140)	4	3.60	280.0	143.0	143.0	982.0	982.0
79	5	20	4	(140)	3	3.80	280.0	140.0	140.0	1052.0	130.0
79	5	20	5	(140)	4	3.40	279.0	135.0	135.0	963.0	963.0
79	5	20	6	(140)	4	3.90	279.0	156.0	156.0	1017.0	1017.0
79	5	20	7	(140)	2	3.20	279.0	179.0	179.0	408.0	501.0
79	5	20	8	(140)	3	2.30	279.0	153.0	153.0	557.0	637.0
79	5	20	9	(140)	3	2.90	280.0	182.0	182.0	706.0	772.0
79	5	20	10	(140)	3	2.50	282.0	173.0	173.0	854.0	908.0
79	5	20	11	(140)	2	2.20	285.0	164.0	164.0	1003.0	1043.0
79	5	20	12	(140)	2	7.50	287.0	279.0	279.0	1152.0	1179.0
79	5	20	13	(140)	4	9.00	287.0	295.0	295.0	1396.0	1396.0
79	5	20	14	(140)	4	9.80	284.0	320.0	320.0	1450.0	1450.0
79	5	20	15	(140)	4	9.30	282.0	325.0	325.0	1450.0	1450.0
79	5	20	16	(140)	4	9.80	280.0	332.0	332.0	1450.0	1450.0
79	5	20	17	(140)	4	10.00	280.0	338.0	338.0	1450.0	1450.0
79	5	20	18	(140)	4	8.90	279.0	344.0	344.0	1450.0	1450.0
79	5	20	19	(140)	4	9.20	279.0	349.0	349.0	1450.0	1450.0
79	5	20	20	(140)	5	8.50	278.0	350.0	350.0	1406.0	1261.0
79	5	20	21	(140)	5	6.70	278.0	347.0	347.0	1333.0	1023.0
79	5	20	22	(140)	4	6.40	278.0	339.0	339.0	1251.0	1251.0
79	5	20	23	(140)	4	6.10	277.0	341.0	341.0	1157.0	1157.0
79	5	20	24	(140)	4	5.60	277.0	338.0	338.0	1051.0	1051.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	21	1	(141)	4	5.00	276.0	315.0	315.0	2031.0	2031.0
79	5	21	2	(141)	4	5.80	276.0	318.0	318.0	2134.0	2134.0
79	5	21	3	(141)	4	6.20	276.0	324.0	324.0	2237.0	2237.0
79	5	21	4	(141)	4	6.00	276.0	329.0	329.0	2340.0	2340.0
79	5	21	5	(141)	4	4.60	277.0	330.0	330.0	1822.0	1822.0
79	5	21	6	(141)	4	5.90	278.0	348.0	348.0	1861.0	1861.0
79	5	21	7	(141)	5	5.40	279.0	1.0	1.0	613.0	792.0
79	5	21	8	(141)	5	5.20	280.0	11.0	11.0	836.0	989.0
79	5	21	9	(141)	5	5.90	281.0	23.0	23.0	1058.0	1186.0
79	5	21	10	(141)	5	5.90	283.0	5.0	5.0	1280.0	1383.0
79	5	21	11	(141)	4	5.20	284.0	32.0	32.0	2054.0	2054.0
79	5	21	12	(141)	3	4.50	285.0	8.0	8.0	1725.0	1776.0
79	5	21	13	(141)	3	3.90	285.0	15.0	15.0	1948.0	1973.0
79	5	21	14	(141)	1	2.80	286.0	15.0	15.0	2170.0	2170.0
79	5	21	15	(141)	3	3.50	286.0	30.0	30.0	2170.0	2170.0
79	5	21	16	(141)	2	2.70	287.0	306.0	306.0	2170.0	2170.0
79	5	21	17	(141)	2	2.70	288.0	29.0	29.0	2170.0	2170.0
79	5	21	18	(141)	1	2.00	288.0	8.0	8.0	2170.0	2170.0
79	5	21	19	(141)	4	4.30	286.0	79.0	79.0	2170.0	2170.0
79	5	21	20	(141)	3	4.00	284.0	134.0	134.0	2101.0	1902.0
79	5	21	21	(141)	4	4.20	282.0	96.0	96.0	1982.0	1982.0
79	5	21	22	(141)	4	3.70	281.0	110.0	110.0	1849.0	1849.0
79	5	21	23	(141)	4	3.50	280.0	124.0	124.0	1697.0	1697.0
79	5	21	24	(141)	4	2.50	278.0	94.0	94.0	1524.0	1524.0
79	5	22	1	(142)	5	3.00	278.0	107.0	107.0	2493.0	220.0
79	5	22	2	(142)	5	3.40	277.0	179.0	179.0	2550.0	220.0
79	5	22	3	(142)	5	3.50	276.0	129.0	129.0	2608.0	220.0
79	5	22	4	(142)	5	3.00	275.0	144.0	144.0	2665.0	220.0
79	5	22	5	(142)	5	3.20	275.0	159.0	159.0	102.0	305.0
79	5	22	6	(142)	5	2.40	275.0	55.0	55.0	234.0	414.0
79	5	22	7	(142)	4	2.70	277.0	121.0	121.0	1621.0	1621.0
79	5	22	8	(142)	4	2.10	279.0	135.0	135.0	1574.0	1574.0
79	5	22	9	(142)	4	2.90	280.0	153.0	153.0	1526.0	1526.0
79	5	22	10	(142)	3	3.40	281.0	169.0	169.0	762.0	852.0
79	5	22	11	(142)	3	4.10	282.0	171.0	171.0	894.0	962.0
79	5	22	12	(142)	2	3.50	282.0	127.0	127.0	1026.0	1071.0
79	5	22	13	(142)	3	2.80	281.0	117.0	117.0	1158.0	1181.0
79	5	22	14	(142)	4	4.60	281.0	86.0	86.0	1290.0	1290.0
79	5	22	15	(142)	5	5.60	281.0	81.0	81.0	1290.0	1290.0
79	5	22	16	(142)	4	4.30	281.0	104.0	104.0	1290.0	1290.0
79	5	22	17	(142)	3	4.60	281.0	101.0	101.0	1290.0	1290.0
79	5	22	18	(142)	3	3.40	280.0	90.0	90.0	1290.0	1290.0
79	5	22	19	(142)	3	4.30	280.0	95.0	95.0	1290.0	1290.0
79	5	22	20	(142)	4	4.60	279.0	90.0	90.0	1265.0	1265.0
79	5	22	21	(142)	4	4.20	279.0	83.0	83.0	1220.0	1220.0
79	5	22	22	(142)	5	4.60	279.0	78.0	78.0	1169.0	871.0
79	5	22	23	(142)	5	4.40	279.0	73.0	73.0	1112.0	710.0
79	5	22	24	(142)	5	4.60	278.0	48.0	48.0	1046.0	550.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	23	1	(143)	5	4.60	278.0	41.0	41.0	1367.0	550.0
79	5	23	2	(143)	4	4.10	278.0	36.0	36.0	1380.0	1380.0
79	5	23	3	(143)	5	5.40	278.0	38.0	38.0	1394.0	550.0
79	5	23	4	(143)	5	5.20	278.0	33.0	33.0	1408.0	550.0
79	5	23	5	(143)	5	6.60	278.0	40.0	40.0	65.0	571.0
79	5	23	6	(143)	5	7.60	277.0	37.0	37.0	147.0	597.0
79	5	23	7	(143)	5	7.20	277.0	39.0	39.0	229.0	623.0
79	5	23	8	(143)	5	6.90	278.0	38.0	38.0	312.0	649.0
79	5	23	9	(143)	3	6.00	278.0	37.0	37.0	394.0	675.0
79	5	23	10	(143)	5	7.10	279.0	37.0	37.0	476.0	701.0
79	5	23	11	(143)	5	7.60	280.0	40.0	40.0	558.0	727.0
79	5	23	12	(143)	5	8.00	282.0	42.0	42.0	641.0	753.0
79	5	23	13	(143)	5	7.00	283.0	48.0	48.0	723.0	779.0
79	5	23	14	(143)	5	6.50	284.0	43.0	43.0	805.0	805.0
79	5	23	15	(143)	5	8.00	285.0	37.0	37.0	805.0	805.0
79	5	23	16	(143)	5	8.30	285.0	38.0	38.0	805.0	805.0
79	5	23	17	(143)	5	7.60	285.0	47.0	47.0	805.0	805.0
79	5	23	18	(143)	5	7.00	285.0	48.0	48.0	805.0	805.0
79	5	23	19	(143)	5	6.00	285.0	51.0	51.0	805.0	805.0
79	5	23	20	(143)	5	5.10	284.0	43.0	43.0	787.0	735.0
79	5	23	21	(143)	6	4.70	283.0	30.0	30.0	755.0	619.0
79	5	23	22	(143)	5	5.90	282.0	17.0	17.0	718.0	503.0
79	5	23	23	(143)	5	6.30	281.0	2.0	2.0	677.0	386.0
79	5	23	24	(143)	5	5.90	280.0	6.0	6.0	624.0	270.0
79	5	24	1	(144)	5	7.10	280.0	4.0	4.0	1340.0	270.0
79	5	24	2	(144)	5	6.90	279.0	3.0	3.0	1435.0	270.0
79	5	24	3	(144)	5	7.70	279.0	2.0	2.0	1531.0	270.0
79	5	24	4	(144)	5	8.50	279.0	15.0	15.0	1627.0	270.0
79	5	24	5	(144)	5	8.30	278.0	21.0	21.0	169.0	416.0
79	5	24	6	(144)	5	7.50	279.0	25.0	25.0	378.0	598.0
79	5	24	7	(144)	5	5.70	280.0	34.0	34.0	587.0	779.0
79	5	24	8	(144)	5	4.60	282.0	44.0	44.0	796.0	961.0
79	5	24	9	(144)	5	5.30	284.0	59.0	59.0	1005.0	1142.0
79	5	24	10	(144)	5	8.00	285.0	51.0	51.0	1214.0	1324.0
79	5	24	11	(144)	5	6.80	286.0	37.0	37.0	1423.0	1505.0
79	5	24	12	(144)	5	7.60	286.0	41.0	41.0	1632.0	1687.0
79	5	24	13	(144)	5	7.40	287.0	45.0	45.0	1841.0	1868.0
79	5	24	14	(144)	5	7.80	287.0	36.0	36.0	2050.0	2050.0
79	5	24	15	(144)	5	7.70	287.0	40.0	40.0	2050.0	2050.0
79	5	24	16	(144)	5	8.00	287.0	42.0	42.0	2050.0	2050.0
79	5	24	17	(144)	5	7.60	287.0	54.0	54.0	2050.0	2050.0
79	5	24	18	(144)	5	6.30	286.0	52.0	52.0	2050.0	2050.0
79	5	24	19	(144)	5	6.70	286.0	41.0	41.0	2050.0	2050.0
79	5	24	20	(144)	5	4.50	285.0	46.0	46.0	1996.0	1838.0
79	5	24	21	(144)	6	4.30	283.0	21.0	21.0	1894.0	1472.0
79	5	24	22	(144)	5	5.80	282.0	12.0	12.0	1780.0	1107.0
79	5	24	23	(144)	5	6.70	282.0	9.0	9.0	1650.0	741.0
79	5	24	24	(144)	5	6.70	281.0	2.0	2.0	1502.0	375.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	25	1	(145)	5	7.00	281.0	360.0	360.0	2627.0	375.0
79	5	25	2	(145)	5	7.50	281.0	15.0	15.0	2730.0	375.0
79	5	25	3	(145)	5	7.80	281.0	15.0	15.0	2834.0	375.0
79	5	25	4	(145)	5	7.80	280.0	20.0	20.0	2938.0	375.0
79	5	25	5	(145)	5	8.00	279.0	25.0	25.0	193.0	536.0
79	5	25	6	(145)	5	7.60	279.0	30.0	30.0	427.0	732.0
79	5	25	7	(145)	5	6.60	280.0	29.0	29.0	661.0	928.0
79	5	25	8	(145)	5	4.10	282.0	40.0	40.0	895.0	1124.0
79	5	25	9	(145)	5	4.00	285.0	40.0	40.0	1129.0	1320.0
79	5	25	10	(145)	5	5.60	286.0	38.0	38.0	1363.0	1516.0
79	5	25	11	(145)	5	6.70	288.0	36.0	36.0	1598.0	1712.0
79	5	25	12	(145)	5	7.80	289.0	30.0	30.0	1832.0	1908.0
79	5	25	13	(145)	5	7.70	289.0	31.0	31.0	2066.0	2104.0
79	5	25	14	(145)	5	7.20	290.0	33.0	33.0	2300.0	2300.0
79	5	25	15	(145)	5	7.30	290.0	48.0	48.0	2300.0	2300.0
79	5	25	16	(145)	5	7.30	290.0	43.0	43.0	2300.0	2300.0
79	5	25	17	(145)	5	7.10	289.0	49.0	49.0	2300.0	2300.0
79	5	25	18	(145)	5	6.90	289.0	46.0	46.0	2300.0	2300.0
79	5	25	19	(145)	5	5.80	288.0	47.0	47.0	2300.0	2300.0
79	5	25	20	(145)	4	5.30	287.0	51.0	51.0	2231.0	2231.0
79	5	25	21	(145)	5	4.50	285.0	48.0	48.0	2097.0	1544.0
79	5	25	22	(145)	5	4.90	283.0	12.0	12.0	1946.0	1059.0
79	5	25	23	(145)	5	5.90	281.0	341.0	341.0	1775.0	575.0
79	5	25	24	(145)	4	5.30	280.0	315.0	315.0	1580.0	1580.0
79	5	26	1	(146)	5	5.90	280.0	333.0	333.0	3011.0	90.0
79	5	26	2	(146)	5	7.00	282.0	17.0	17.0	3140.0	90.0
79	5	26	3	(146)	4	7.50	282.0	20.0	20.0	3268.0	3268.0
79	5	26	4	(146)	5	7.90	282.0	19.0	19.0	3396.0	90.0
79	5	26	5	(146)	5	7.60	281.0	1.0	1.0	210.0	293.0
79	5	26	6	(146)	5	7.30	280.0	350.0	350.0	461.0	534.0
79	5	26	7	(146)	5	6.70	281.0	360.0	360.0	712.0	776.0
79	5	26	8	(146)	5	5.20	282.0	352.0	352.0	963.0	1018.0
79	5	26	9	(146)	5	4.30	285.0	358.0	358.0	1215.0	1260.0
79	5	26	10	(146)	4	5.90	288.0	14.0	14.0	2433.0	2433.0
79	5	26	11	(146)	5	7.50	289.0	37.0	37.0	1717.0	1744.0
79	5	26	12	(146)	5	7.50	289.0	42.0	42.0	1968.0	1986.0
79	5	26	13	(146)	5	7.70	288.0	51.0	51.0	2219.0	2228.0
79	5	26	14	(146)	5	7.80	287.0	44.0	44.0	2470.0	2470.0
79	5	26	15	(146)	5	7.60	286.0	50.0	50.0	2470.0	2470.0
79	5	26	16	(146)	5	7.60	285.0	25.0	25.0	2470.0	2470.0
79	5	26	17	(146)	4	6.50	286.0	345.0	345.0	2470.0	2470.0
79	5	26	18	(146)	5	5.80	286.0	30.0	30.0	2470.0	2470.0
79	5	26	19	(146)	5	5.40	286.0	19.0	19.0	2470.0	2470.0
79	5	26	20	(146)	5	5.00	285.0	21.0	21.0	2426.0	2296.0
79	5	26	21	(146)	4	7.60	283.0	53.0	53.0	2338.0	2338.0
79	5	26	22	(146)	4	5.20	281.0	29.0	29.0	2238.0	2238.0
79	5	26	23	(146)	4	5.10	281.0	338.0	338.0	2125.0	2125.0
79	5	26	24	(146)	5	5.30	281.0	354.0	354.0	1996.0	1010.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	27	1	(147)	5	5.00	281.0	360.0	360.0	2731.0	1010.0
79	5	27	2	(147)	4	3.50	281.0	346.0	346.0	2778.0	2778.0
79	5	27	3	(147)	5	5.00	281.0	4.0	4.0	2825.0	1010.0
79	5	27	4	(147)	5	4.30	281.0	14.0	14.0	2873.0	1010.0
79	5	27	5	(147)	5	4.70	280.0	1.0	1.0	163.0	1086.0
79	5	27	6	(147)	5	4.40	280.0	346.0	346.0	354.0	1174.0
79	5	27	7	(147)	4	3.30	281.0	317.0	317.0	2106.0	2106.0
79	5	27	8	(147)	4	5.20	283.0	349.0	349.0	2074.0	2074.0
79	5	27	9	(147)	4	5.00	284.0	337.0	337.0	2043.0	2043.0
79	5	27	10	(147)	4	4.50	284.0	337.0	337.0	2011.0	2011.0
79	5	27	11	(147)	4	6.10	285.0	358.0	358.0	1980.0	1980.0
79	5	27	12	(147)	5	6.50	283.0	349.0	349.0	1502.0	1707.0
79	5	27	13	(147)	4	4.70	283.0	312.0	312.0	1917.0	1917.0
79	5	27	14	(147)	4	5.80	284.0	340.0	340.0	1885.0	1885.0
79	5	27	15	(147)	5	5.70	285.0	356.0	356.0	1885.0	1885.0
79	5	27	16	(147)	5	8.50	285.0	360.0	360.0	1885.0	1885.0
79	5	27	17	(147)	5	8.10	282.0	350.0	350.0	1885.0	1885.0
79	5	27	18	(147)	4	5.00	281.0	336.0	336.0	1885.0	1885.0
79	5	27	19	(147)	4	4.40	281.0	336.0	336.0	1885.0	1885.0
79	5	27	20	(147)	4	4.20	281.0	318.0	318.0	1842.0	1842.0
79	5	27	21	(147)	4	4.30	281.0	310.0	310.0	1754.0	1754.0
79	5	27	22	(147)	4	4.40	280.0	304.0	304.0	1654.0	1654.0
79	5	27	23	(147)	4	5.30	281.0	335.0	335.0	1541.0	1541.0
79	5	27	24	(147)	4	5.30	281.0	342.0	342.0	1412.0	1412.0
79	5	28	1	(148)	4	5.20	281.0	342.0	342.0	2367.0	2367.0
79	5	28	2	(148)	5	4.60	281.0	351.0	351.0	2455.0	420.0
79	5	28	3	(148)	5	6.30	281.0	353.0	353.0	2542.0	420.0
79	5	28	4	(148)	5	5.40	280.0	353.0	353.0	2630.0	420.0
79	5	28	5	(148)	5	5.50	280.0	9.0	9.0	179.0	562.0
79	5	28	6	(148)	5	4.60	280.0	351.0	351.0	386.0	726.0
79	5	28	7	(148)	5	4.20	281.0	358.0	358.0	592.0	891.0
79	5	28	8	(148)	5	3.90	283.0	6.0	6.0	799.0	1055.0
79	5	28	9	(148)	5	4.50	285.0	12.0	12.0	1006.0	1219.0
79	5	28	10	(148)	4	4.00	287.0	11.0	11.0	2006.0	2006.0
79	5	28	11	(148)	4	3.90	288.0	14.0	14.0	2015.0	2015.0
79	5	28	12	(148)	4	4.80	290.0	17.0	17.0	2023.0	2023.0
79	5	28	13	(148)	2	3.60	291.0	19.0	19.0	1833.0	1876.0
79	5	28	14	(148)	2	2.40	292.0	302.0	302.0	2040.0	2040.0
79	5	28	15	(148)	2	3.00	293.0	103.0	103.0	2040.0	2040.0
79	5	28	16	(148)	3	3.50	294.0	323.0	323.0	2040.0	2040.0
79	5	28	17	(148)	2	2.20	294.0	337.0	337.0	2040.0	2040.0
79	5	28	18	(148)	3	2.20	295.0	14.0	14.0	2040.0	2040.0
79	5	28	19	(148)	3	4.80	292.0	171.0	171.0	2040.0	2040.0
79	5	28	20	(148)	3	3.70	289.0	115.0	115.0	1984.0	1818.0
79	5	28	21	(148)	4	4.00	287.0	123.0	123.0	1865.0	1865.0
79	5	28	22	(148)	5	3.30	285.0	92.0	92.0	1730.0	939.0
79	5	28	23	(148)	5	3.50	284.0	86.0	86.0	1577.0	499.0
79	5	28	24	(148)	5	2.50	283.0	129.0	129.0	1403.0	60.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	29	1	(149)	5	2.10	281.0	313.0	313.0	2257.0	60.0
79	5	29	2	(149)	6	1.10	280.0	289.0	289.0	2296.0	60.0
79	5	29	3	(149)	6	1.30	279.0	330.0	330.0	2336.0	60.0
79	5	29	4	(149)	5	3.40	279.0	95.0	95.0	2375.0	60.0
79	5	29	5	(149)	4	3.60	278.0	279.0	279.0	1398.0	1398.0
79	5	29	6	(149)	3	3.00	279.0	51.0	51.0	150.0	199.0
79	5	29	7	(149)	4	1.80	282.0	93.0	93.0	1263.0	1263.0
79	5	29	8	(149)	2	3.10	284.0	86.0	86.0	310.0	347.0
79	5	29	9	(149)	4	2.90	286.0	90.0	90.0	1128.0	1128.0
79	5	29	10	(149)	3	2.80	288.0	106.0	106.0	470.0	494.0
79	5	29	11	(149)	1	2.40	290.0	108.0	108.0	550.0	568.0
79	5	29	12	(149)	1	1.80	291.0	70.0	70.0	630.0	642.0
79	5	29	13	(149)	2	3.40	293.0	104.0	104.0	710.0	716.0
79	5	29	14	(149)	1	3.10	294.0	91.0	91.0	790.0	790.0
79	5	29	15	(149)	1	3.90	294.0	99.0	99.0	790.0	790.0
79	5	29	16	(149)	3	3.60	294.0	92.0	92.0	790.0	790.0
79	5	29	17	(149)	2	4.80	293.0	137.0	137.0	790.0	790.0
79	5	29	18	(149)	2	4.90	292.0	156.0	156.0	790.0	790.0
79	5	29	19	(149)	2	5.20	291.0	150.0	150.0	790.0	790.0
79	5	29	20	(149)	4	4.10	289.0	144.0	144.0	776.0	776.0
79	5	29	21	(149)	4	4.60	287.0	138.0	138.0	744.0	744.0
79	5	29	22	(149)	4	4.00	285.0	136.0	136.0	709.0	709.0
79	5	29	23	(149)	4	3.20	284.0	109.0	109.0	669.0	669.0
79	5	29	24	(149)	5	3.30	282.0	77.0	77.0	623.0	270.0
79	5	30	1	(150)	5	4.60	282.0	73.0	73.0	972.0	270.0
79	5	30	2	(150)	5	4.60	281.0	72.0	72.0	1005.0	270.0
79	5	30	3	(150)	5	4.60	281.0	70.0	70.0	1039.0	270.0
79	5	30	4	(150)	5	5.00	280.0	66.0	66.0	1072.0	270.0
79	5	30	5	(150)	6	5.10	280.0	74.0	74.0	80.0	325.0
79	5	30	6	(150)	6	5.60	283.0	86.0	86.0	169.0	388.0
79	5	30	7	(150)	4	5.60	282.0	90.0	90.0	849.0	849.0
79	5	30	8	(150)	4	5.40	282.0	92.0	92.0	854.0	854.0
79	5	30	9	(150)	3	5.40	285.0	108.0	108.0	438.0	574.0
79	5	30	10	(150)	2	5.50	289.0	128.0	128.0	527.0	636.0
79	5	30	11	(150)	1	5.60	290.0	133.0	133.0	617.0	698.0
79	5	30	12	(150)	3	6.30	291.0	135.0	135.0	706.0	761.0
79	5	30	13	(150)	3	6.30	291.0	137.0	137.0	796.0	823.0
79	5	30	14	(150)	3	5.70	290.0	151.0	151.0	885.0	885.0
79	5	30	15	(150)	3	6.30	289.0	147.0	147.0	885.0	885.0
79	5	30	16	(150)	3	5.90	289.0	157.0	157.0	885.0	885.0
79	5	30	17	(150)	3	5.10	288.0	159.0	159.0	885.0	885.0
79	5	30	18	(150)	3	4.50	288.0	147.0	147.0	885.0	885.0
79	5	30	19	(150)	3	4.50	287.0	136.0	136.0	885.0	885.0
79	5	30	20	(150)	4	4.80	285.0	143.0	143.0	872.0	872.0
79	5	30	21	(150)	2	3.90	284.0	128.0	128.0	841.0	719.0
79	5	30	22	(150)	4	4.40	284.0	136.0	136.0	807.0	807.0
79	5	30	23	(150)	4	4.00	283.0	138.0	138.0	768.0	768.0
79	5	30	24	(150)	4	2.90	283.0	151.0	151.0	724.0	724.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	5	31	1	(151)	3	3.60	283.0	159.0	159.0	1021.0	380.0
79	5	31	2	(151)	3	3.10	283.0	188.0	188.0	1046.0	380.0
79	5	31	3	(151)	4	3.40	283.0	231.0	231.0	1071.0	1071.0
79	5	31	4	(151)	4	4.20	283.0	152.0	152.0	1096.0	1096.0
79	5	31	5	(151)	4	5.00	283.0	133.0	133.0	862.0	862.0
79	5	31	6	(151)	4	5.20	283.0	138.0	138.0	860.0	860.0
79	5	31	7	(151)	4	4.80	284.0	137.0	137.0	857.0	857.0
79	5	31	8	(151)	4	3.80	285.0	138.0	138.0	855.0	855.0
79	5	31	9	(151)	3	4.50	286.0	157.0	157.0	416.0	608.0
79	5	31	10	(151)	3	3.60	288.0	171.0	171.0	501.0	654.0
79	5	31	11	(151)	3	3.00	288.0	164.0	164.0	586.0	701.0
79	5	31	12	(151)	3	2.20	288.0	142.0	142.0	670.0	747.0
79	5	31	13	(151)	2	1.80	289.0	164.0	164.0	755.0	794.0
79	5	31	14	(151)	3	2.10	289.0	166.0	166.0	840.0	840.0
79	5	31	15	(151)	1	1.50	290.0	134.0	134.0	840.0	840.0
79	5	31	16	(151)	3	2.00	291.0	124.0	124.0	840.0	840.0
79	5	31	17	(151)	2	1.80	292.0	100.0	100.0	840.0	840.0
79	5	31	18	(151)	3	2.50	292.0	122.0	122.0	840.0	840.0
79	5	31	19	(151)	3	2.80	291.0	128.0	128.0	840.0	840.0
79	5	31	20	(151)	3	2.90	290.0	136.0	136.0	835.0	822.0
79	5	31	21	(151)	4	3.60	289.0	137.0	137.0	825.0	825.0
79	5	31	22	(151)	3	3.10	288.0	146.0	146.0	812.0	741.0
79	5	31	23	(151)	3	1.80	287.0	167.0	167.0	799.0	700.0
79	5	31	24	(151)	3	1.50	287.0	165.0	165.0	760.0	660.0
79	6	1	1	(152)	4	5.50	287.0	302.0	302.0	1014.0	1014.0
79	6	1	2	(152)	4	6.10	285.0	324.0	324.0	1046.0	1046.0
79	6	1	3	(152)	3	5.70	284.0	318.0	318.0	1078.0	660.0
79	6	1	4	(152)	3	6.50	283.0	314.0	314.0	1110.0	660.0
79	6	1	5	(152)	3	5.80	283.0	316.0	316.0	115.0	714.0
79	6	1	6	(152)	3	4.60	282.0	325.0	325.0	241.0	774.0
79	6	1	7	(152)	3	6.90	282.0	334.0	334.0	367.0	833.0
79	6	1	8	(152)	3	6.10	283.0	321.0	321.0	493.0	893.0
79	6	1	9	(152)	3	5.70	283.0	332.0	332.0	620.0	952.0
79	6	1	10	(152)	4	5.10	284.0	336.0	336.0	1161.0	1161.0
79	6	1	11	(152)	4	4.00	285.0	346.0	346.0	1183.0	1183.0
79	6	1	12	(152)	3	3.40	288.0	305.0	305.0	998.0	1131.0
79	6	1	13	(152)	2	2.60	290.0	320.0	320.0	1124.0	1190.0
79	6	1	14	(152)	3	4.40	292.0	351.0	351.0	1250.0	1250.0
79	6	1	15	(152)	3	3.20	293.0	298.0	298.0	1250.0	1250.0
79	6	1	16	(152)	2	3.70	294.0	277.0	277.0	1250.0	1250.0
79	6	1	17	(152)	3	4.20	294.0	285.0	285.0	1250.0	1250.0
79	6	1	18	(152)	4	4.60	294.0	249.0	249.0	1250.0	1250.0
79	6	1	19	(152)	4	5.10	294.0	248.0	248.0	1250.0	1250.0
79	6	1	20	(152)	4	3.70	292.0	217.0	217.0	1223.0	1223.0
79	6	1	21	(152)	4	5.20	290.0	235.0	235.0	1158.0	1158.0
79	6	1	22	(152)	4	9.40	286.0	296.0	296.0	1084.0	1084.0
79	6	1	23	(152)	3	4.00	284.0	294.0	294.0	1000.0	406.0
79	6	1	24	(152)	4	4.60	284.0	311.0	311.0	904.0	904.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	2	1	(153)	4	2.60	283.0	249.0	249.0	2115.0	2115.0
79	6	2	2	(153)	5	2.50	282.0	238.0	238.0	2275.0	160.0
79	6	2	3	(153)	5	3.10	281.0	271.0	271.0	2435.0	160.0
79	6	2	4	(153)	5	4.50	281.0	275.0	275.0	2594.0	160.0
79	6	2	5	(153)	5	5.60	280.0	281.0	281.0	289.0	434.0
79	6	2	6	(153)	4	5.00	281.0	302.0	302.0	2297.0	2297.0
79	6	2	7	(153)	4	3.00	283.0	257.0	257.0	2397.0	2397.0
79	6	2	8	(153)	4	3.00	286.0	294.0	294.0	2498.0	2498.0
79	6	2	9	(153)	3	4.60	288.0	286.0	286.0	1538.0	1619.0
79	6	2	10	(153)	3	5.50	289.0	290.0	290.0	1851.0	1915.0
79	6	2	11	(153)	3	6.40	290.0	274.0	274.0	2163.0	2211.0
79	6	2	12	(153)	4	6.90	291.0	268.0	268.0	2899.0	2899.0
79	6	2	13	(153)	3	6.10	292.0	269.0	269.0	2788.0	2804.0
79	6	2	14	(153)	4	6.10	293.0	253.0	253.0	3100.0	3100.0
79	6	2	15	(153)	4	7.20	294.0	255.0	255.0	3100.0	3100.0
79	6	2	16	(153)	4	8.00	294.0	250.0	250.0	3100.0	3100.0
79	6	2	17	(153)	4	6.80	293.0	248.0	248.0	3100.0	3100.0
79	6	2	18	(153)	4	7.20	293.0	247.0	247.0	3100.0	3100.0
79	6	2	19	(153)	4	5.70	293.0	244.0	244.0	3100.0	3100.0
79	6	2	20	(153)	5	6.20	292.0	234.0	234.0	3028.0	2805.0
79	6	2	21	(153)	4	8.40	288.0	279.0	279.0	2842.0	2842.0
79	6	2	22	(153)	3	4.60	284.0	15.0	15.0	2633.0	1413.0
79	6	2	23	(153)	2	2.90	283.0	149.0	149.0	2397.0	716.0
79	6	2	24	(153)	5	0.80	283.0	358.0	358.0	2127.0	20.0
79	6	3	1	(154)	4	2.10	282.0	221.0	221.0	3676.0	3676.0
79	6	3	2	(154)	3	3.40	282.0	283.0	283.0	3782.0	20.0
79	6	3	3	(154)	2	3.60	281.0	217.0	217.0	3889.0	20.0
79	6	3	4	(154)	2	3.10	281.0	301.0	301.0	3995.0	20.0
79	6	3	5	(154)	4	1.70	280.0	314.0	314.0	2528.0	2528.0
79	6	3	6	(154)	6	1.50	281.0	258.0	258.0	385.0	402.0
79	6	3	7	(154)	5	1.60	283.0	270.0	270.0	585.0	599.0
79	6	3	8	(154)	4	1.10	285.0	277.0	277.0	2345.0	2345.0
79	6	3	9	(154)	4	0.50	287.0	289.0	289.0	2284.0	2284.0
79	6	3	10	(154)	3	2.90	291.0	287.0	287.0	1183.0	1191.0
79	6	3	11	(154)	3	4.00	293.0	283.0	283.0	1382.0	1388.0
79	6	3	12	(154)	2	3.70	294.0	272.0	272.0	1581.0	1585.0
79	6	3	13	(154)	3	4.00	296.0	273.0	273.0	1781.0	1783.0
79	6	3	14	(154)	3	4.30	296.0	265.0	265.0	1980.0	1980.0
79	6	3	15	(154)	3	3.10	296.0	254.0	254.0	1980.0	1980.0
79	6	3	16	(154)	3	2.60	297.0	247.0	247.0	1980.0	1980.0
79	6	3	17	(154)	4	4.30	297.0	229.0	229.0	1980.0	1980.0
79	6	3	18	(154)	4	5.60	298.0	227.0	227.0	1980.0	1980.0
79	6	3	19	(154)	4	6.80	297.0	232.0	232.0	1980.0	1980.0
79	6	3	20	(154)	5	5.10	295.0	214.0	214.0	1938.0	1809.0
79	6	3	21	(154)	3	5.10	293.0	181.0	181.0	1827.0	1389.0
79	6	3	22	(154)	4	4.20	291.0	73.0	73.0	1702.0	1702.0
79	6	3	23	(154)	3	6.30	290.0	36.0	36.0	1560.0	550.0
79	6	3	24	(154)	3	3.40	287.0	130.0	130.0	1397.0	130.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	4	1	(155)	2	5.40	287.0	160.0	160.0	2185.0	130.0
79	6	4	2	(155)	2	4.00	286.0	125.0	125.0	2223.0	130.0
79	6	4	3	(155)	4	4.50	286.0	117.0	117.0	2261.0	2261.0
79	6	4	4	(155)	3	4.10	285.0	157.0	157.0	2299.0	130.0
79	6	4	5	(155)	3	3.30	285.0	273.0	273.0	79.0	196.0
79	6	4	6	(155)	5	3.90	285.0	244.0	244.0	162.0	267.0
79	6	4	7	(155)	4	4.60	289.0	285.0	285.0	1268.0	1268.0
79	6	4	8	(155)	3	4.60	291.0	302.0	302.0	329.0	408.0
79	6	4	9	(155)	3	3.40	292.0	248.0	248.0	413.0	478.0
79	6	4	10	(155)	3	4.40	294.0	320.0	320.0	496.0	548.0
79	6	4	11	(155)	3	6.30	296.0	324.0	324.0	580.0	619.0
79	6	4	12	(155)	3	4.60	296.0	329.0	329.0	663.0	689.0
79	6	4	13	(155)	3	2.10	296.0	279.0	279.0	747.0	760.0
79	6	4	14	(155)	4	5.40	293.0	241.0	241.0	830.0	830.0
79	6	4	15	(155)	4	5.30	296.0	242.0	242.0	830.0	830.0
79	6	4	16	(155)	4	8.50	294.0	286.0	286.0	830.0	830.0
79	6	4	17	(155)	4	5.00	288.0	339.0	339.0	830.0	830.0
79	6	4	18	(155)	3	4.80	288.0	341.0	341.0	830.0	830.0
79	6	4	19	(155)	4	5.50	287.0	39.0	39.0	830.0	830.0
79	6	4	20	(155)	5	3.80	286.0	44.0	44.0	822.0	797.0
79	6	4	21	(155)	5	3.00	285.0	66.0	66.0	800.0	713.0
79	6	4	22	(155)	4	2.40	283.0	174.0	174.0	775.0	775.0
79	6	4	23	(155)	4	2.90	282.0	272.0	272.0	746.0	746.0
79	6	4	24	(155)	5	3.40	281.0	310.0	310.0	714.0	460.0
79	6	5	1	(156)	5	4.60	281.0	324.0	324.0	1187.0	460.0
79	6	5	2	(156)	5	6.20	283.0	18.0	18.0	1253.0	460.0
79	6	5	3	(156)	5	6.60	282.0	29.0	29.0	1320.0	460.0
79	6	5	4	(156)	5	8.30	281.0	24.0	24.0	1386.0	460.0
79	6	5	5	(156)	5	7.10	280.0	14.0	14.0	161.0	577.0
79	6	5	6	(156)	5	6.00	280.0	12.0	12.0	329.0	699.0
79	6	5	7	(156)	4	4.70	283.0	21.0	21.0	1356.0	1356.0
79	6	5	8	(156)	4	5.00	284.0	39.0	39.0	1403.0	1403.0
79	6	5	9	(156)	4	5.00	288.0	39.0	39.0	1449.0	1449.0
79	6	5	10	(156)	4	5.00	289.0	39.0	39.0	1495.0	1495.0
79	6	5	11	(156)	4	5.00	292.0	39.0	39.0	1541.0	1541.0
79	6	5	12	(156)	4	5.00	291.0	39.0	39.0	1588.0	1588.0
79	6	5	13	(156)	2	4.20	291.0	18.0	18.0	1511.0	1557.0
79	6	5	14	(156)	3	3.70	291.0	43.0	43.0	1680.0	1680.0
79	6	5	15	(156)	2	2.90	290.0	62.0	62.0	1680.0	1680.0
79	6	5	16	(156)	1	2.00	290.0	69.0	69.0	1680.0	1680.0
79	6	5	17	(156)	1	1.60	290.0	67.0	67.0	1680.0	1680.0
79	6	5	18	(156)	4	1.50	290.0	76.0	76.0	1680.0	1680.0
79	6	5	19	(156)	4	4.20	289.0	128.0	128.0	1680.0	1680.0
79	6	5	20	(156)	3	4.00	287.0	165.0	165.0	1651.0	1559.0
79	6	5	21	(156)	3	4.30	285.0	163.0	163.0	1566.0	1239.0
79	6	5	22	(156)	3	3.40	283.0	101.0	101.0	1472.0	919.0
79	6	5	23	(156)	5	3.60	282.0	85.0	85.0	1365.0	600.0
79	6	5	24	(156)	5	3.40	281.0	115.0	115.0	1242.0	280.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	6	1	(157)	5	3.00	280.0	116.0	116.0	1943.0	280.0
79	6	6	2	(157)	5	4.40	279.0	98.0	98.0	1992.0	280.0
79	6	6	3	(157)	5	3.30	278.0	317.0	317.0	2041.0	280.0
79	6	6	4	(157)	3	3.50	278.0	230.0	230.0	2090.0	280.0
79	6	6	5	(157)	3	3.40	278.0	74.0	74.0	114.0	367.0
79	6	6	6	(157)	5	2.20	278.0	232.0	232.0	232.0	457.0
79	6	6	7	(157)	3	2.50	281.0	78.0	78.0	351.0	547.0
79	6	6	8	(157)	3	3.70	281.0	135.0	135.0	469.0	638.0
79	6	6	9	(157)	3	3.40	283.0	172.0	172.0	588.0	728.0
79	6	6	10	(157)	3	3.60	283.0	146.0	146.0	706.0	819.0
79	6	6	11	(157)	3	3.60	283.0	146.0	146.0	825.0	909.0
79	6	6	12	(157)	3	4.50	285.0	136.0	136.0	943.0	999.0
79	6	6	13	(157)	2	5.90	288.0	165.0	165.0	1062.0	1090.0
79	6	6	14	(157)	2	6.90	291.0	166.0	166.0	1180.0	1180.0
79	6	6	15	(157)	2	8.60	292.0	168.0	168.0	1180.0	1180.0
79	6	6	16	(157)	2	7.80	293.0	168.0	168.0	1180.0	1180.0
79	6	6	17	(157)	2	6.50	292.0	158.0	158.0	1180.0	1180.0
79	6	6	18	(157)	2	7.00	292.0	158.0	158.0	1180.0	1180.0
79	6	6	19	(157)	2	5.10	292.0	171.0	171.0	1180.0	1180.0
79	6	6	20	(157)	2	5.80	292.0	161.0	161.0	1159.0	1092.0
79	6	6	21	(157)	2	5.30	291.0	157.0	157.0	1096.0	852.0
79	6	6	22	(157)	3	5.00	291.0	163.0	163.0	1025.0	611.0
79	6	6	23	(157)	2	5.80	290.0	166.0	166.0	944.0	371.0
79	6	6	24	(157)	2	5.80	290.0	183.0	183.0	853.0	130.0
79	6	7	1	(158)	1	4.40	289.0	160.0	160.0	1419.0	130.0
79	6	7	2	(158)	2	3.70	288.0	108.0	108.0	1464.0	130.0
79	6	7	3	(158)	4	2.90	286.0	55.0	55.0	1509.0	1509.0
79	6	7	4	(158)	5	2.60	286.0	72.0	72.0	1553.0	130.0
79	6	7	5	(158)	3	2.20	286.0	81.0	81.0	92.0	210.0
79	6	7	6	(158)	5	2.40	286.0	80.0	80.0	187.0	292.0
79	6	7	7	(158)	2	2.40	288.0	108.0	108.0	283.0	374.0
79	6	7	8	(158)	2	2.20	291.0	167.0	167.0	378.0	456.0
79	6	7	9	(158)	2	2.60	294.0	153.0	153.0	473.0	539.0
79	6	7	10	(158)	3	5.00	294.0	189.0	189.0	569.0	621.0
79	6	7	11	(158)	3	5.40	292.0	202.0	202.0	664.0	703.0
79	6	7	12	(158)	4	4.60	292.0	204.0	204.0	975.0	975.0
79	6	7	13	(158)	4	4.30	293.0	193.0	193.0	963.0	963.0
79	6	7	14	(158)	4	5.60	295.0	206.0	206.0	950.0	950.0
79	6	7	15	(158)	3	5.40	295.0	194.0	194.0	950.0	950.0
79	6	7	16	(158)	3	4.20	294.0	193.0	193.0	950.0	950.0
79	6	7	17	(158)	4	5.90	292.0	199.0	199.0	950.0	950.0
79	6	7	18	(158)	3	4.30	293.0	199.0	199.0	950.0	950.0
79	6	7	19	(158)	4	3.20	293.0	220.0	220.0	950.0	950.0
79	6	7	20	(158)	5	2.50	293.0	210.0	210.0	935.0	886.0
79	6	7	21	(158)	4	2.90	292.0	103.0	103.0	887.0	887.0
79	6	7	22	(158)	3	3.30	291.0	159.0	159.0	834.0	523.0
79	6	7	23	(158)	3	2.50	291.0	117.0	117.0	773.0	342.0
79	6	7	24	(158)	5	1.20	291.0	81.0	81.0	704.0	160.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	8	1	(159)	5	1.30	291.0	104.0	104.0	950.0	160.0
79	6	8	2	(159)	5	0.90	291.0	135.0	135.0	950.0	160.0
79	6	8	3	(159)	5	1.80	291.0	355.0	355.0	950.0	160.0
79	6	8	4	(159)	4	2.60	290.0	302.0	302.0	950.0	950.0
79	6	8	5	(159)	4	3.10	289.0	356.0	356.0	548.0	548.0
79	6	8	6	(159)	5	2.80	289.0	27.0	27.0	32.0	160.0
79	6	8	7	(159)	5	2.30	289.0	18.0	18.0	48.0	160.0
79	6	8	8	(159)	5	1.50	289.0	24.0	24.0	64.0	160.0
79	6	8	9	(159)	5	1.90	290.0	27.0	27.0	80.0	160.0
79	6	8	10	(159)	2	1.30	291.0	348.0	348.0	96.0	160.0
79	6	8	11	(159)	1	1.00	292.0	37.0	37.0	112.0	160.0
79	6	8	12	(159)	4	0.90	293.0	115.0	115.0	246.0	246.0
79	6	8	13	(159)	4	1.10	294.0	58.0	58.0	203.0	203.0
79	6	8	14	(159)	2	1.70	295.0	105.0	105.0	160.0	160.0
79	6	8	15	(159)	4	1.00	295.0	143.0	143.0	160.0	160.0
79	6	8	16	(159)	4	1.10	295.0	163.0	163.0	160.0	160.0
79	6	8	17	(159)	2	2.10	295.0	140.0	140.0	160.0	160.0
79	6	8	18	(159)	4	2.70	295.0	54.0	54.0	160.0	160.0
79	6	8	19	(159)	5	4.10	293.0	40.0	40.0	160.0	160.0
79	6	8	20	(159)	4	2.90	292.0	54.0	54.0	165.0	165.0
79	6	8	21	(159)	5	2.80	291.0	63.0	63.0	183.0	250.0
79	6	8	22	(159)	4	2.40	290.0	49.0	49.0	202.0	202.0
79	6	8	23	(159)	4	2.90	289.0	350.0	350.0	225.0	225.0
79	6	8	24	(159)	4	2.10	288.0	275.0	275.0	250.0	250.0
79	6	9	1	(160)	4	3.90	288.0	346.0	346.0	160.0	160.0
79	6	9	2	(160)	4	3.70	288.0	334.0	334.0	160.0	160.0
79	6	9	3	(160)	5	3.70	288.0	3.0	3.0	160.0	450.0
79	6	9	4	(160)	5	3.50	287.0	39.0	39.0	160.0	450.0
79	6	9	5	(160)	4	2.60	287.0	308.0	308.0	308.0	308.0
79	6	9	6	(160)	5	3.80	287.0	12.0	12.0	89.0	450.0
79	6	9	7	(160)	2	2.80	287.0	45.0	45.0	134.0	450.0
79	6	9	8	(160)	3	2.70	288.0	55.0	55.0	179.0	450.0
79	6	9	9	(160)	4	2.30	289.0	59.0	59.0	371.0	371.0
79	6	9	10	(160)	4	2.90	292.0	69.0	69.0	387.0	387.0
79	6	9	11	(160)	2	2.70	294.0	85.0	85.0	315.0	450.0
79	6	9	12	(160)	1	3.20	295.0	94.0	94.0	360.0	450.0
79	6	9	13	(160)	1	3.30	296.0	100.0	100.0	405.0	450.0
79	6	9	14	(160)	3	3.30	297.0	112.0	112.0	450.0	450.0
79	6	9	15	(160)	3	3.80	296.0	131.0	131.0	450.0	450.0
79	6	9	16	(160)	3	4.00	295.0	141.0	141.0	450.0	450.0
79	6	9	17	(160)	3	3.70	294.0	156.0	156.0	450.0	450.0
79	6	9	18	(160)	3	2.10	294.0	146.0	146.0	450.0	450.0
79	6	9	19	(160)	4	3.40	293.0	134.0	134.0	450.0	450.0
79	6	9	20	(160)	3	3.10	291.0	137.0	137.0	448.0	442.0
79	6	9	21	(160)	3	3.30	290.0	130.0	130.0	442.0	419.0
79	6	9	22	(160)	3	3.80	289.0	159.0	159.0	435.0	396.0
79	6	9	23	(160)	3	3.60	288.0	136.0	136.0	428.0	373.0
79	6	9	24	(160)	3	2.60	288.0	117.0	117.0	419.0	350.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	10	1	(161)	4	1.10	288.0	136.0	136.0	537.0	537.0
79	6	10	2	(161)	5	0.80	288.0	6.0	6.0	553.0	350.0
79	6	10	3	(161)	5	0.80	288.0	147.0	147.0	570.0	350.0
79	6	10	4	(161)	5	0.90	288.0	309.0	309.0	586.0	350.0
79	6	10	5	(161)	5	3.50	286.0	17.0	17.0	64.0	380.0
79	6	10	6	(161)	5	4.10	285.0	11.0	11.0	129.0	410.0
79	6	10	7	(161)	5	4.50	284.0	20.0	20.0	194.0	440.0
79	6	10	8	(161)	4	3.60	283.0	38.0	38.0	584.0	584.0
79	6	10	9	(161)	4	3.30	283.0	2.0	2.0	595.0	595.0
79	6	10	10	(161)	4	5.60	284.0	336.0	336.0	606.0	606.0
79	6	10	11	(161)	4	8.80	284.0	337.0	337.0	617.0	617.0
79	6	10	12	(161)	5	9.10	283.0	341.0	341.0	520.0	590.0
79	6	10	13	(161)	4	10.90	283.0	341.0	341.0	639.0	639.0
79	6	10	14	(161)	5	12.20	283.0	346.0	346.0	650.0	650.0
79	6	10	15	(161)	5	12.20	283.0	354.0	354.0	650.0	650.0
79	6	10	16	(161)	5	10.00	284.0	349.0	349.0	650.0	650.0
79	6	10	17	(161)	4	8.30	284.0	328.0	328.0	650.0	650.0
79	6	10	18	(161)	3	7.90	285.0	319.0	319.0	650.0	650.0
79	6	10	19	(161)	3	6.60	286.0	311.0	311.0	650.0	650.0
79	6	10	20	(161)	3	5.60	285.0	304.0	304.0	641.0	613.0
79	6	10	21	(161)	3	5.90	285.0	307.0	307.0	611.0	495.0
79	6	10	22	(161)	4	7.10	284.0	304.0	304.0	576.0	576.0
79	6	10	23	(161)	4	5.90	283.0	281.0	281.0	537.0	537.0
79	6	10	24	(161)	4	5.20	283.0	276.0	276.0	493.0	493.0
79	6	11	1	(162)	3	6.50	283.0	288.0	288.0	1464.0	140.0
79	6	11	2	(162)	4	4.80	283.0	284.0	284.0	1618.0	1618.0
79	6	11	3	(162)	4	5.20	282.0	284.0	284.0	1771.0	1771.0
79	6	11	4	(162)	5	4.90	282.0	274.0	274.0	1925.0	140.0
79	6	11	5	(162)	4	5.40	281.0	279.0	279.0	1819.0	1819.0
79	6	11	6	(162)	4	5.30	282.0	281.0	281.0	1945.0	1945.0
79	6	11	7	(162)	4	3.50	283.0	285.0	285.0	2070.0	2070.0
79	6	11	8	(162)	4	4.20	286.0	325.0	325.0	2196.0	2196.0
79	6	11	9	(162)	3	3.40	288.0	314.0	314.0	1473.0	1543.0
79	6	11	10	(162)	3	3.40	290.0	326.0	326.0	1769.0	1825.0
79	6	11	11	(162)	4	5.20	291.0	351.0	351.0	2573.0	2573.0
79	6	11	12	(162)	5	7.40	291.0	350.0	350.0	2359.0	2387.0
79	6	11	13	(162)	4	6.90	291.0	346.0	346.0	2824.0	2824.0
79	6	11	14	(162)	4	6.10	292.0	358.0	358.0	2950.0	2950.0
79	6	11	15	(162)	4	5.60	292.0	349.0	349.0	2950.0	2950.0
79	6	11	16	(162)	4	5.60	292.0	355.0	355.0	2950.0	2950.0
79	6	11	17	(162)	4	6.20	292.0	323.0	323.0	2950.0	2950.0
79	6	11	18	(162)	3	4.60	292.0	359.0	359.0	2950.0	2950.0
79	6	11	19	(162)	5	4.10	289.0	60.0	60.0	2950.0	2950.0
79	6	11	20	(162)	5	3.60	287.0	61.0	61.0	2903.0	2752.0
79	6	11	21	(162)	3	1.50	284.0	130.0	130.0	2735.0	2101.0
79	6	11	22	(162)	5	2.00	282.0	253.0	253.0	2547.0	1451.0
79	6	11	23	(162)	5	2.20	280.0	263.0	263.0	2333.0	800.0
79	6	11	24	(162)	5	2.70	280.0	145.0	145.0	2089.0	150.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	12	1	(163)	5	2.50	279.0	200.0	200.0	3297.0	150.0
79	6	12	2	(163)	5	2.10	278.0	266.0	266.0	3363.0	150.0
79	6	12	3	(163)	5	2.20	278.0	295.0	295.0	3428.0	150.0
79	6	12	4	(163)	3	3.10	278.0	311.0	311.0	3494.0	150.0
79	6	12	5	(163)	5	3.80	278.0	294.0	294.0	134.0	269.0
79	6	12	6	(163)	5	4.40	279.0	287.0	287.0	269.0	389.0
79	6	12	7	(163)	4	3.60	282.0	297.0	297.0	1962.0	1962.0
79	6	12	8	(163)	4	1.30	285.0	278.0	278.0	1875.0	1875.0
79	6	12	9	(163)	4	0.90	287.0	289.0	289.0	1787.0	1787.0
79	6	12	10	(163)	4	1.40	288.0	241.0	241.0	1700.0	1700.0
79	6	12	11	(163)	1	1.80	290.0	256.0	256.0	945.0	990.0
79	6	12	12	(163)	1	2.60	291.0	292.0	292.0	1080.0	1110.0
79	6	12	13	(163)	2	2.10	292.0	2.0	2.0	1215.0	1230.0
79	6	12	14	(163)	1	2.90	293.0	257.0	257.0	1350.0	1350.0
79	6	12	15	(163)	2	2.70	293.0	276.0	276.0	1350.0	1350.0
79	6	12	16	(163)	1	1.80	293.0	259.0	259.0	1350.0	1350.0
79	6	12	17	(163)	1	4.30	293.0	149.0	149.0	1350.0	1350.0
79	6	12	18	(163)	2	4.50	292.0	160.0	160.0	1350.0	1350.0
79	6	12	19	(163)	3	4.00	291.0	154.0	154.0	1350.0	1350.0
79	6	12	20	(163)	3	4.10	289.0	154.0	154.0	1330.0	1264.0
79	6	12	21	(163)	4	2.90	287.0	111.0	111.0	1255.0	1255.0
79	6	12	22	(163)	3	3.40	286.0	94.0	94.0	1171.0	682.0
79	6	12	23	(163)	3	3.80	284.0	159.0	159.0	1075.0	391.0
79	6	12	24	(163)	5	4.20	282.0	303.0	303.0	967.0	100.0
79	6	13	1	(164)	5	4.70	282.0	267.0	267.0	1812.0	100.0
79	6	13	2	(164)	5	3.60	281.0	297.0	297.0	1900.0	100.0
79	6	13	3	(164)	2	2.40	280.0	187.0	187.0	1987.0	100.0
79	6	13	4	(164)	4	3.00	279.0	285.0	285.0	2075.0	2075.0
79	6	13	5	(164)	5	4.20	280.0	300.0	300.0	169.0	259.0
79	6	13	6	(164)	4	3.00	280.0	305.0	305.0	1547.0	1547.0
79	6	13	7	(164)	6	1.40	283.0	165.0	165.0	509.0	579.0
79	6	13	8	(164)	3	1.70	287.0	180.0	180.0	679.0	740.0
79	6	13	9	(164)	2	2.50	289.0	163.0	163.0	850.0	900.0
79	6	13	10	(164)	1	4.20	290.0	180.0	180.0	1020.0	1060.0
79	6	13	11	(164)	2	5.30	292.0	187.0	187.0	1190.0	1220.0
79	6	13	12	(164)	2	5.10	293.0	182.0	182.0	1360.0	1380.0
79	6	13	13	(164)	1	5.70	294.0	177.0	177.0	1530.0	1540.0
79	6	13	14	(164)	3	5.90	294.0	190.0	190.0	1700.0	1700.0
79	6	13	15	(164)	3	6.00	294.0	186.0	186.0	1700.0	1700.0
79	6	13	16	(164)	3	6.20	294.0	178.0	178.0	1700.0	1700.0
79	6	13	17	(164)	3	6.30	294.0	178.0	178.0	1700.0	1700.0
79	6	13	18	(164)	2	7.50	293.0	185.0	185.0	1700.0	1700.0
79	6	13	19	(164)	2	6.10	292.0	180.0	180.0	1700.0	1700.0
79	6	13	20	(164)	2	5.40	291.0	171.0	171.0	1676.0	1600.0
79	6	13	21	(164)	2	5.60	289.0	178.0	178.0	1587.0	1250.0
79	6	13	22	(164)	2	4.90	288.0	181.0	181.0	1486.0	900.0
79	6	13	23	(164)	4	5.00	286.0	170.0	170.0	1372.0	1372.0
79	6	13	24	(164)	2	4.40	286.0	118.0	118.0	1241.0	200.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	14	1	(165)	4	3.30	284.0	75.0	75.0	2064.0	2064.0
79	6	14	2	(165)	3	4.40	284.0	129.0	129.0	2133.0	200.0
79	6	14	3	(165)	4	4.10	282.0	93.0	93.0	2202.0	2202.0
79	6	14	4	(165)	5	3.00	282.0	97.0	97.0	2271.0	200.0
79	6	14	5	(165)	4	2.50	282.0	97.0	97.0	1578.0	1578.0
79	6	14	6	(165)	5	2.90	282.0	110.0	110.0	292.0	452.0
79	6	14	7	(165)	3	3.60	283.0	154.0	154.0	438.0	578.0
79	6	14	8	(165)	2	4.20	286.0	194.0	194.0	584.0	704.0
79	6	14	9	(165)	4	4.10	287.0	211.0	211.0	1526.0	1526.0
79	6	14	10	(165)	4	5.60	289.0	210.0	210.0	1513.0	1513.0
79	6	14	11	(165)	4	6.80	293.0	208.0	208.0	1499.0	1499.0
79	6	14	12	(165)	4	7.60	296.0	211.0	211.0	1486.0	1486.0
79	6	14	13	(165)	4	6.70	298.0	216.0	216.0	1473.0	1473.0
79	6	14	14	(165)	4	9.50	298.0	212.0	212.0	1460.0	1460.0
79	6	14	15	(165)	4	8.10	298.0	214.0	214.0	1460.0	1460.0
79	6	14	16	(165)	4	8.70	298.0	206.0	206.0	1460.0	1460.0
79	6	14	17	(165)	4	9.00	299.0	211.0	211.0	1460.0	1460.0
79	6	14	18	(165)	3	9.30	299.0	195.0	195.0	1460.0	1460.0
79	6	14	19	(165)	4	9.20	299.0	208.0	208.0	1460.0	1460.0
79	6	14	20	(165)	4	8.40	299.0	208.0	208.0	1448.0	1448.0
79	6	14	21	(165)	4	7.30	297.0	205.0	205.0	1401.0	1401.0
79	6	14	22	(165)	4	7.70	297.0	207.0	207.0	1349.0	1349.0
79	6	14	23	(165)	4	7.90	296.0	211.0	211.0	1290.0	1290.0
79	6	14	24	(165)	4	8.00	296.0	218.0	218.0	1222.0	1222.0
79	6	15	1	(166)	4	7.40	295.0	221.0	221.0	1518.0	1518.0
79	6	15	2	(166)	4	6.80	295.0	222.0	222.0	1529.0	1529.0
79	6	15	3	(166)	4	7.10	295.0	222.0	222.0	1540.0	1540.0
79	6	15	4	(166)	4	6.90	295.0	231.0	231.0	1551.0	1551.0
79	6	15	5	(166)	4	5.00	295.0	228.0	228.0	1166.0	1166.0
79	6	15	6	(166)	5	5.20	294.0	240.0	240.0	176.0	720.0
79	6	15	7	(166)	4	4.20	295.0	233.0	233.0	1102.0	1102.0
79	6	15	8	(166)	4	4.60	295.0	245.0	245.0	1071.0	1071.0
79	6	15	9	(166)	4	4.30	297.0	256.0	256.0	1039.0	1039.0
79	6	15	10	(166)	4	3.90	299.0	222.0	222.0	1007.0	1007.0
79	6	15	11	(166)	4	4.20	300.0	215.0	215.0	975.0	975.0
79	6	15	12	(166)	4	3.90	301.0	213.0	213.0	944.0	944.0
79	6	15	13	(166)	4	7.10	301.0	210.0	210.0	912.0	912.0
79	6	15	14	(166)	4	7.50	302.0	230.0	230.0	880.0	880.0
79	6	15	15	(166)	4	6.30	303.0	232.0	232.0	880.0	880.0
79	6	15	16	(166)	4	5.70	302.0	240.0	240.0	880.0	880.0
79	6	15	17	(166)	4	6.60	302.0	247.0	247.0	880.0	880.0
79	6	15	18	(166)	4	6.00	302.0	256.0	256.0	880.0	880.0
79	6	15	19	(166)	4	5.20	301.0	256.0	256.0	880.0	880.0
79	6	15	20	(166)	4	4.30	300.0	243.0	243.0	872.0	872.0
79	6	15	21	(166)	4	4.10	298.0	279.0	279.0	838.0	838.0
79	6	15	22	(166)	5	3.80	296.0	273.0	273.0	801.0	583.0
79	6	15	23	(166)	4	3.50	295.0	3.0	3.0	758.0	758.0
79	6	15	24	(166)	5	3.90	294.0	30.0	30.0	709.0	320.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	16	1	(167)	3	1.90	294.0	73.0	73.0	1148.0	320.0
79	6	16	2	(167)	4	2.10	292.0	308.0	308.0	1199.0	1199.0
79	6	16	3	(167)	2	3.30	292.0	24.0	24.0	1250.0	320.0
79	6	16	4	(167)	1	3.70	290.0	48.0	48.0	1301.0	320.0
79	6	16	5	(167)	4	3.40	290.0	96.0	96.0	1068.0	1068.0
79	6	16	6	(167)	5	2.80	289.0	56.0	56.0	250.0	506.0
79	6	16	7	(167)	4	3.20	290.0	54.0	54.0	1108.0	1108.0
79	6	16	8	(167)	3	3.30	291.0	87.0	87.0	500.0	692.0
79	6	16	9	(167)	3	3.00	292.0	122.0	122.0	625.0	785.0
79	6	16	10	(167)	1	2.90	292.0	126.0	126.0	750.0	878.0
79	6	16	11	(167)	2	2.40	292.0	120.0	120.0	875.0	971.0
79	6	16	12	(167)	1	3.40	292.0	131.0	131.0	1000.0	1064.0
79	6	16	13	(167)	2	2.90	290.0	131.0	131.0	1125.0	1157.0
79	6	16	14	(167)	1	3.70	289.0	41.0	41.0	1250.0	1250.0
79	6	16	15	(167)	2	4.80	290.0	80.0	80.0	1250.0	1250.0
79	6	16	16	(167)	2	5.30	291.0	101.0	101.0	1250.0	1250.0
79	6	16	17	(167)	1	5.20	290.0	127.0	127.0	1250.0	1250.0
79	6	16	18	(167)	1	5.50	289.0	135.0	135.0	1250.0	1250.0
79	6	16	19	(167)	2	6.80	288.0	293.0	293.0	1250.0	1250.0
79	6	16	20	(167)	1	7.20	289.0	10.0	10.0	1245.0	1230.0
79	6	16	21	(167)	1	6.90	285.0	55.0	55.0	1226.0	1152.0
79	6	16	22	(167)	3	4.80	284.0	40.0	40.0	1203.0	1075.0
79	6	16	23	(167)	4	4.10	284.0	26.0	26.0	1178.0	1178.0
79	6	16	24	(167)	5	6.50	284.0	356.0	356.0	1150.0	920.0
79	6	17	1	(168)	5	7.90	284.0	348.0	348.0	1336.0	920.0
79	6	17	2	(168)	4	6.50	284.0	345.0	345.0	1353.0	1353.0
79	6	17	3	(168)	4	6.20	284.0	335.0	335.0	1369.0	1369.0
79	6	17	4	(168)	4	6.90	284.0	342.0	342.0	1386.0	1386.0
79	6	17	5	(168)	4	7.40	285.0	343.0	343.0	1235.0	1235.0
79	6	17	6	(168)	5	8.10	285.0	349.0	349.0	244.0	980.0
79	6	17	7	(168)	5	7.80	285.0	3.0	3.0	366.0	1010.0
79	6	17	8	(168)	5	7.50	286.0	1.0	1.0	488.0	1040.0
79	6	17	9	(168)	5	7.70	287.0	8.0	8.0	610.0	1070.0
79	6	17	10	(168)	5	7.10	287.0	11.0	11.0	732.0	1100.0
79	6	17	11	(168)	5	7.10	288.0	12.0	12.0	854.0	1130.0
79	6	17	12	(168)	5	7.30	289.0	12.0	12.0	976.0	1160.0
79	6	17	13	(168)	5	7.80	290.0	22.0	22.0	1098.0	1190.0
79	6	17	14	(168)	5	7.70	291.0	27.0	27.0	1220.0	1220.0
79	6	17	15	(168)	5	7.40	290.0	36.0	36.0	1220.0	1220.0
79	6	17	16	(168)	5	7.00	290.0	40.0	40.0	1220.0	1220.0
79	6	17	17	(168)	5	6.20	289.0	38.0	38.0	1220.0	1220.0
79	6	17	18	(168)	5	4.80	289.0	49.0	49.0	1220.0	1220.0
79	6	17	19	(168)	5	3.20	288.0	53.0	53.0	1220.0	1220.0
79	6	17	20	(168)	5	2.10	287.0	349.0	349.0	1218.0	1213.0
79	6	17	21	(168)	5	2.10	285.0	330.0	330.0	1211.0	1185.0
79	6	17	22	(168)	5	3.80	285.0	80.0	80.0	1203.0	1156.0
79	6	17	23	(168)	4	3.80	285.0	57.0	57.0	1194.0	1194.0
79	6	17	24	(168)	4	5.30	285.0	25.0	25.0	1184.0	1184.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	18	1	(169)	5	4.30	285.0	33.0	33.0	1312.0	1100.0
79	6	18	2	(169)	4	3.40	285.0	57.0	57.0	1330.0	1330.0
79	6	18	3	(169)	5	4.50	284.0	38.0	38.0	1347.0	1100.0
79	6	18	4	(169)	3	3.20	282.0	126.0	126.0	1365.0	1100.0
79	6	18	5	(169)	3	4.20	282.0	26.0	26.0	142.0	1132.0
79	6	18	6	(169)	5	4.40	283.0	63.0	63.0	284.0	1164.0
79	6	18	7	(169)	4	3.30	285.0	74.0	74.0	1343.0	1343.0
79	6	18	8	(169)	4	3.20	287.0	80.0	80.0	1354.0	1354.0
79	6	18	9	(169)	4	3.60	288.0	79.0	79.0	1365.0	1365.0
79	6	18	10	(169)	3	4.50	290.0	88.0	88.0	852.0	1292.0
79	6	18	11	(169)	2	4.60	291.0	105.0	105.0	994.0	1324.0
79	6	18	12	(169)	1	5.30	292.0	134.0	134.0	1136.0	1356.0
79	6	18	13	(169)	1	4.90	293.0	119.0	119.0	1278.0	1388.0
79	6	18	14	(169)	2	6.60	293.0	131.0	131.0	1420.0	1420.0
79	6	18	15	(169)	1	6.00	293.0	126.0	126.0	1420.0	1420.0
79	6	18	16	(169)	1	6.60	293.0	129.0	129.0	1420.0	1420.0
79	6	18	17	(169)	2	6.30	293.0	130.0	130.0	1420.0	1420.0
79	6	18	18	(169)	2	6.30	293.0	130.0	130.0	1420.0	1420.0
79	6	18	19	(169)	1	4.50	292.0	122.0	122.0	1420.0	1420.0
79	6	18	20	(169)	1	3.50	290.0	128.0	128.0	1404.0	1352.0
79	6	18	21	(169)	4	3.60	287.0	98.0	98.0	1334.0	1334.0
79	6	18	22	(169)	4	3.50	283.0	267.0	267.0	1254.0	1254.0
79	6	18	23	(169)	5	2.70	282.0	277.0	277.0	1165.0	518.0
79	6	18	24	(169)	5	2.60	280.0	247.0	247.0	1062.0	240.0
79	6	19	1	(170)	5	3.20	280.0	344.0	344.0	1673.0	240.0
79	6	19	2	(170)	3	5.70	283.0	112.0	112.0	1721.0	240.0
79	6	19	3	(170)	4	5.30	281.0	94.0	94.0	1769.0	1769.0
79	6	19	4	(170)	4	3.50	280.0	23.0	23.0	1818.0	1818.0
79	6	19	5	(170)	4	3.20	279.0	8.0	8.0	1268.0	1268.0
79	6	19	6	(170)	4	3.60	281.0	96.0	96.0	1252.0	1252.0
79	6	19	7	(170)	3	3.80	283.0	117.0	117.0	336.0	504.0
79	6	19	8	(170)	3	5.00	286.0	136.0	136.0	448.0	592.0
79	6	19	9	(170)	2	6.10	289.0	156.0	156.0	560.0	680.0
79	6	19	10	(170)	2	9.10	292.0	165.0	165.0	672.0	768.0
79	6	19	11	(170)	2	8.50	292.0	161.0	161.0	784.0	856.0
79	6	19	12	(170)	2	10.20	293.0	165.0	165.0	896.0	944.0
79	6	19	13	(170)	2	9.80	293.0	166.0	166.0	1008.0	1032.0
79	6	19	14	(170)	2	9.60	293.0	159.0	159.0	1120.0	1120.0
79	6	19	15	(170)	2	9.90	294.0	155.0	155.0	1120.0	1120.0
79	6	19	16	(170)	2	9.80	294.0	158.0	158.0	1120.0	1120.0
79	6	19	17	(170)	2	10.00	295.0	166.0	166.0	1120.0	1120.0
79	6	19	18	(170)	2	8.40	294.0	161.0	161.0	1120.0	1120.0
79	6	19	19	(170)	3	6.90	294.0	152.0	152.0	1120.0	1120.0
79	6	19	20	(170)	3	5.50	292.0	135.0	135.0	1113.0	1090.0
79	6	19	21	(170)	2	5.30	290.0	133.0	133.0	1081.0	962.0
79	6	19	22	(170)	3	5.10	289.0	135.0	135.0	1044.0	835.0
79	6	19	23	(170)	3	4.40	289.0	131.0	131.0	1003.0	707.0
79	6	19	24	(170)	3	5.30	289.0	129.0	129.0	957.0	580.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	20	1	(171)	2	5.40	289.0	134.0	134.0	1456.0	580.0
79	6	20	2	(171)	3	5.00	289.0	129.0	129.0	1520.0	580.0
79	6	20	3	(171)	3	7.10	290.0	143.0	143.0	1584.0	580.0
79	6	20	4	(171)	2	6.00	290.0	187.0	187.0	1648.0	580.0
79	6	20	5	(171)	2	4.40	289.0	158.0	158.0	174.0	697.0
79	6	20	6	(171)	2	5.40	288.0	147.0	147.0	350.0	814.0
79	6	20	7	(171)	3	5.70	287.0	129.0	129.0	525.0	931.0
79	6	20	8	(171)	3	5.00	288.0	132.0	132.0	700.0	1048.0
79	6	20	9	(171)	3	5.20	290.0	151.0	151.0	875.0	1165.0
79	6	20	10	(171)	2	6.30	292.0	147.0	147.0	1050.0	1282.0
79	6	20	11	(171)	3	8.60	294.0	154.0	154.0	1225.0	1399.0
79	6	20	12	(171)	3	8.00	294.0	150.0	150.0	1400.0	1516.0
79	6	20	13	(171)	2	7.50	295.0	155.0	155.0	1575.0	1633.0
79	6	20	14	(171)	2	7.50	296.0	124.0	124.0	1750.0	1750.0
79	6	20	15	(171)	2	9.30	295.0	131.0	131.0	1750.0	1750.0
79	6	20	16	(171)	2	9.30	290.0	175.0	175.0	1750.0	1750.0
79	6	20	17	(171)	1	6.50	290.0	134.0	134.0	1750.0	1750.0
79	6	20	18	(171)	1	5.90	291.0	146.0	146.0	1750.0	1750.0
79	6	20	19	(171)	3	6.00	290.0	147.0	147.0	1750.0	1750.0
79	6	20	20	(171)	3	6.00	290.0	158.0	158.0	1737.0	1695.0
79	6	20	21	(171)	3	6.30	290.0	181.0	181.0	1677.0	1459.0
79	6	20	22	(171)	4	6.80	290.0	205.0	205.0	1610.0	1610.0
79	6	20	23	(171)	4	5.70	290.0	202.0	202.0	1534.0	1534.0
79	6	20	24	(171)	4	6.10	289.0	204.0	204.0	1448.0	1448.0
79	6	21	1	(172)	4	6.10	289.0	203.0	203.0	1951.0	1951.0
79	6	21	2	(172)	4	6.20	289.0	204.0	204.0	1989.0	1989.0
79	6	21	3	(172)	5	5.80	289.0	211.0	211.0	2028.0	750.0
79	6	21	4	(172)	5	6.60	288.0	213.0	213.0	2066.0	750.0
79	6	21	5	(172)	5	6.60	288.0	213.0	213.0	144.0	820.0
79	6	21	6	(172)	5	6.80	289.0	227.0	227.0	289.0	890.0
79	6	21	7	(172)	4	6.70	290.0	230.0	230.0	1565.0	1565.0
79	6	21	8	(172)	4	8.40	292.0	243.0	243.0	1549.0	1549.0
79	6	21	9	(172)	4	8.80	291.0	248.0	248.0	1532.0	1532.0
79	6	21	10	(172)	4	8.00	292.0	249.0	249.0	1516.0	1516.0
79	6	21	11	(172)	4	8.70	292.0	251.0	251.0	1499.0	1499.0
79	6	21	12	(172)	4	9.00	293.0	250.0	250.0	1483.0	1483.0
79	6	21	13	(172)	4	8.00	293.0	268.0	268.0	1466.0	1466.0
79	6	21	14	(172)	4	8.10	293.0	263.0	263.0	1450.0	1450.0
79	6	21	15	(172)	3	8.20	293.0	268.0	268.0	1450.0	1450.0
79	6	21	16	(172)	4	8.20	292.0	269.0	269.0	1450.0	1450.0
79	6	21	17	(172)	4	7.40	292.0	272.0	272.0	1450.0	1450.0
79	6	21	18	(172)	3	6.20	291.0	282.0	282.0	1450.0	1450.0
79	6	21	19	(172)	3	6.90	290.0	284.0	284.0	1450.0	1450.0
79	6	21	20	(172)	3	7.50	290.0	306.0	306.0	1441.0	1412.0
79	6	21	21	(172)	3	6.80	289.0	307.0	307.0	1399.0	1244.0
79	6	21	22	(172)	3	7.10	288.0	315.0	315.0	1351.0	1076.0
79	6	21	23	(172)	3	7.90	287.0	323.0	323.0	1297.0	908.0
79	6	21	24	(172)	4	7.20	285.0	340.0	340.0	1236.0	1236.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	22	1	(173)	5	7.40	284.0	344.0	344.0	1559.0	740.0
79	6	22	2	(173)	5	6.00	283.0	343.0	343.0	1580.0	740.0
79	6	22	3	(173)	4	7.40	283.0	328.0	328.0	1601.0	1601.0
79	6	22	4	(173)	4	7.30	283.0	340.0	340.0	1621.0	1621.0
79	6	22	5	(173)	4	6.10	283.0	331.0	331.0	1283.0	1283.0
79	6	22	6	(173)	3	6.80	282.0	322.0	322.0	223.0	816.0
79	6	22	7	(173)	4	6.70	282.0	332.0	332.0	1247.0	1247.0
79	6	22	8	(173)	4	7.70	282.0	340.0	340.0	1229.0	1229.0
79	6	22	9	(173)	4	7.80	282.0	332.0	332.0	1211.0	1211.0
79	6	22	10	(173)	4	6.90	282.0	347.0	347.0	1192.0	1192.0
79	6	22	11	(173)	4	6.80	283.0	336.0	336.0	1174.0	1174.0
79	6	22	12	(173)	4	8.80	284.0	335.0	335.0	1156.0	1156.0
79	6	22	13	(173)	4	7.60	284.0	353.0	353.0	1138.0	1138.0
79	6	22	14	(173)	4	7.00	284.0	330.0	330.0	1120.0	1120.0
79	6	22	15	(173)	4	7.10	284.0	339.0	339.0	1120.0	1120.0
79	6	22	16	(173)	4	7.50	283.0	351.0	351.0	1120.0	1120.0
79	6	22	17	(173)	5	7.40	282.0	356.0	356.0	1120.0	1120.0
79	6	22	18	(173)	5	7.10	282.0	360.0	360.0	1120.0	1120.0
79	6	22	19	(173)	5	5.90	281.0	10.0	10.0	1120.0	1120.0
79	6	22	20	(173)	5	5.10	281.0	360.0	360.0	1117.0	1109.0
79	6	22	21	(173)	5	5.50	280.0	11.0	11.0	1105.0	1059.0
79	6	22	22	(173)	5	5.40	280.0	13.0	13.0	1091.0	1009.0
79	6	22	23	(173)	5	4.90	280.0	360.0	360.0	1075.0	960.0
79	6	22	24	(173)	5	4.60	279.0	2.0	2.0	1057.0	910.0
79	6	23	1	(174)	5	5.10	279.0	360.0	360.0	1283.0	910.0
79	6	23	2	(174)	5	5.60	279.0	3.0	3.0	1315.0	910.0
79	6	23	3	(174)	4	4.30	278.0	333.0	333.0	1346.0	1346.0
79	6	23	4	(174)	4	5.70	278.0	330.0	330.0	1377.0	1377.0
79	6	23	5	(174)	4	6.00	278.0	332.0	332.0	1302.0	1302.0
79	6	23	6	(174)	4	5.60	278.0	334.0	334.0	1322.0	1322.0
79	6	23	7	(174)	5	5.90	279.0	353.0	353.0	443.0	1080.0
79	6	23	8	(174)	5	6.60	280.0	355.0	355.0	591.0	1138.0
79	6	23	9	(174)	5	7.30	282.0	347.0	347.0	739.0	1195.0
79	6	23	10	(174)	4	5.90	284.0	350.0	350.0	1401.0	1401.0
79	6	23	11	(174)	4	6.50	285.0	356.0	356.0	1421.0	1421.0
79	6	23	12	(174)	4	5.70	287.0	356.0	356.0	1440.0	1440.0
79	6	23	13	(174)	4	5.60	288.0	354.0	354.0	1460.0	1460.0
79	6	23	14	(174)	4	5.60	289.0	353.0	353.0	1480.0	1480.0
79	6	23	15	(174)	4	5.80	290.0	5.0	5.0	1480.0	1480.0
79	6	23	16	(174)	5	5.00	290.0	19.0	19.0	1480.0	1480.0
79	6	23	17	(174)	5	4.90	290.0	36.0	36.0	1480.0	1480.0
79	6	23	18	(174)	5	4.90	289.0	31.0	31.0	1480.0	1480.0
79	6	23	19	(174)	5	4.50	288.0	45.0	45.0	1480.0	1480.0
79	6	23	20	(174)	5	4.70	285.0	51.0	51.0	1468.0	1429.0
79	6	23	21	(174)	5	5.00	283.0	55.0	55.0	1410.0	1197.0
79	6	23	22	(174)	3	3.20	280.0	210.0	210.0	1344.0	964.0
79	6	23	23	(174)	5	5.40	280.0	10.0	10.0	1270.0	732.0
79	6	23	24	(174)	5	5.80	280.0	8.0	8.0	1185.0	500.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	24	1	(175)	4	5.20	279.0	325.0	325.0	1738.0	1738.0
79	6	24	2	(175)	4	4.20	278.0	299.0	299.0	1787.0	1787.0
79	6	24	3	(175)	5	4.60	278.0	342.0	342.0	1837.0	500.0
79	6	24	4	(175)	4	5.40	278.0	105.0	105.0	1886.0	1886.0
79	6	24	5	(175)	4	4.50	278.0	332.0	332.0	1440.0	1440.0
79	6	24	6	(175)	4	4.20	279.0	34.0	34.0	1435.0	1435.0
79	6	24	7	(175)	5	2.70	281.0	56.0	56.0	418.0	769.0
79	6	24	8	(175)	5	2.50	283.0	60.0	60.0	559.0	859.0
79	6	24	9	(175)	2	2.60	285.0	94.0	94.0	699.0	949.0
79	6	24	10	(175)	1	2.60	286.0	92.0	92.0	839.0	1039.0
79	6	24	11	(175)	1	2.50	287.0	61.0	61.0	979.0	1130.0
79	6	24	12	(175)	1	2.50	289.0	150.0	150.0	1120.0	1220.0
79	6	24	13	(175)	1	2.10	290.0	33.0	33.0	1260.0	1310.0
79	6	24	14	(175)	1	2.10	291.0	147.0	147.0	1400.0	1400.0
79	6	24	15	(175)	1	2.60	291.0	140.0	140.0	1400.0	1400.0
79	6	24	16	(175)	1	3.40	292.0	163.0	163.0	1400.0	1400.0
79	6	24	17	(175)	2	5.20	291.0	163.0	163.0	1400.0	1400.0
79	6	24	18	(175)	2	4.90	291.0	168.0	168.0	1400.0	1400.0
79	6	24	19	(175)	3	4.80	290.0	161.0	161.0	1400.0	1400.0
79	6	24	20	(175)	2	4.60	288.0	177.0	177.0	1385.0	1336.0
79	6	24	21	(175)	3	4.80	286.0	197.0	197.0	1311.0	1042.0
79	6	24	22	(175)	4	5.00	283.0	13.0	13.0	1228.0	1228.0
79	6	24	23	(175)	4	3.90	281.0	350.0	350.0	1134.0	1134.0
79	6	24	24	(175)	4	3.80	280.0	37.0	37.0	1026.0	1026.0
79	6	25	1	(176)	4	2.80	279.0	279.0	279.0	1930.0	1930.0
79	6	25	2	(176)	4	2.80	278.0	266.0	266.0	2031.0	2031.0
79	6	25	3	(176)	5	2.90	277.0	215.0	215.0	2133.0	160.0
79	6	25	4	(176)	4	2.60	277.0	229.0	229.0	2234.0	2234.0
79	6	25	5	(176)	5	2.30	276.0	242.0	242.0	197.0	341.0
79	6	25	6	(176)	4	2.80	278.0	307.0	307.0	1742.0	1742.0
79	6	25	7	(176)	3	2.60	282.0	108.0	108.0	600.0	712.0
79	6	25	8	(176)	4	3.10	285.0	197.0	197.0	1809.0	1809.0
79	6	25	9	(176)	3	4.10	288.0	180.0	180.0	1003.0	1083.0
79	6	25	10	(176)	3	4.40	289.0	191.0	191.0	1204.0	1268.0
79	6	25	11	(176)	2	4.00	291.0	174.0	174.0	1406.0	1454.0
79	6	25	12	(176)	2	4.40	292.0	180.0	180.0	1607.0	1639.0
79	6	25	13	(176)	2	5.30	293.0	191.0	191.0	1809.0	1825.0
79	6	25	14	(176)	3	5.00	294.0	195.0	195.0	2010.0	2010.0
79	6	25	15	(176)	4	5.80	295.0	187.0	187.0	2010.0	2010.0
79	6	25	16	(176)	2	5.40	295.0	197.0	197.0	2010.0	2010.0
79	6	25	17	(176)	3	6.20	295.0	202.0	202.0	2010.0	2010.0
79	6	25	18	(176)	4	6.20	295.0	204.0	204.0	2010.0	2010.0
79	6	25	19	(176)	4	5.20	294.0	208.0	208.0	2010.0	2010.0
79	6	25	20	(176)	3	5.40	292.0	184.0	184.0	1987.0	1913.0
79	6	25	21	(176)	2	5.90	290.0	172.0	172.0	1874.0	1462.0
79	6	25	22	(176)	2	5.40	288.0	169.0	169.0	1747.0	1011.0
79	6	25	23	(176)	2	4.80	287.0	164.0	164.0	1603.0	561.0
79	6	25	24	(176)	3	3.40	285.0	107.0	107.0	1438.0	110.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	26	1	(177)	3	3.50	284.0	155.0	155.0	2769.0	110.0
79	6	26	2	(177)	4	3.10	283.0	152.0	152.0	2914.0	2914.0
79	6	26	3	(177)	4	4.10	283.0	155.0	155.0	3060.0	3060.0
79	6	26	4	(177)	5	3.00	282.0	109.0	109.0	3205.0	110.0
79	6	26	5	(177)	5	3.20	282.0	107.0	107.0	269.0	368.0
79	6	26	6	(177)	5	3.30	282.0	96.0	96.0	546.0	634.0
79	6	26	7	(177)	3	3.30	283.0	98.0	98.0	822.0	900.0
79	6	26	8	(177)	3	3.80	286.0	194.0	194.0	1099.0	1165.0
79	6	26	9	(177)	4	5.20	291.0	230.0	230.0	2554.0	2554.0
79	6	26	10	(177)	4	8.20	294.0	245.0	245.0	2595.0	2595.0
79	6	26	11	(177)	4	7.70	294.0	247.0	247.0	2636.0	2636.0
79	6	26	12	(177)	4	8.30	297.0	239.0	239.0	2678.0	2678.0
79	6	26	13	(177)	4	9.70	298.0	235.0	235.0	2719.0	2719.0
79	6	26	14	(177)	4	9.40	297.0	236.0	236.0	2760.0	2760.0
79	6	26	15	(177)	4	9.40	297.0	236.0	236.0	2760.0	2760.0
79	6	26	16	(177)	4	11.40	298.0	241.0	241.0	2760.0	2760.0
79	6	26	17	(177)	4	10.00	296.0	249.0	249.0	2760.0	2760.0
79	6	26	18	(177)	4	9.20	296.0	246.0	246.0	2760.0	2760.0
79	6	26	19	(177)	4	8.40	296.0	257.0	257.0	2760.0	2760.0
79	6	26	20	(177)	4	6.10	295.0	256.0	256.0	2729.0	2729.0
79	6	26	21	(177)	4	6.50	294.0	253.0	253.0	2575.0	2575.0
79	6	26	22	(177)	4	7.00	293.0	268.0	268.0	2401.0	2401.0
79	6	26	23	(177)	4	6.20	292.0	272.0	272.0	2205.0	2205.0
79	6	26	24	(177)	4	6.30	291.0	286.0	286.0	1980.0	1980.0
79	6	27	1	(178)	3	5.90	290.0	284.0	284.0	3284.0	170.0
79	6	27	2	(178)	4	5.70	289.0	284.0	284.0	3384.0	3384.0
79	6	27	3	(178)	4	4.40	288.0	289.0	289.0	3485.0	3485.0
79	6	27	4	(178)	4	4.70	288.0	305.0	305.0	3585.0	3585.0
79	6	27	5	(178)	4	4.20	288.0	319.0	319.0	2376.0	2376.0
79	6	27	6	(178)	4	2.30	287.0	281.0	281.0	2334.0	2334.0
79	6	27	7	(178)	4	2.70	288.0	322.0	322.0	2292.0	2292.0
79	6	27	8	(178)	4	1.50	290.0	359.0	359.0	2250.0	2250.0
79	6	27	9	(178)	4	0.40	292.0	14.0	14.0	2209.0	2209.0
79	6	27	10	(178)	4	1.40	293.0	360.0	360.0	2167.0	2167.0
79	6	27	11	(178)	3	3.50	294.0	340.0	340.0	1398.0	1449.0
79	6	27	12	(178)	4	3.50	295.0	342.0	342.0	2083.0	2083.0
79	6	27	13	(178)	3	3.10	296.0	320.0	320.0	1799.0	1816.0
79	6	27	14	(178)	3	3.20	297.0	338.0	338.0	2000.0	2000.0
79	6	27	15	(178)	4	3.00	297.0	9.0	9.0	2000.0	2000.0
79	6	27	16	(178)	4	3.20	297.0	5.0	5.0	2000.0	2000.0
79	6	27	17	(178)	3	2.40	297.0	55.0	55.0	2000.0	2000.0
79	6	27	18	(178)	2	4.00	295.0	168.0	168.0	2000.0	2000.0
79	6	27	19	(178)	2	4.00	293.0	162.0	162.0	2000.0	2000.0
79	6	27	20	(178)	2	4.20	292.0	75.0	75.0	1978.0	1904.0
79	6	27	21	(178)	5	4.50	290.0	57.0	57.0	1866.0	1458.0
79	6	27	22	(178)	5	3.90	288.0	67.0	67.0	1740.0	1012.0
79	6	27	23	(178)	4	2.50	286.0	246.0	246.0	1597.0	1597.0
79	6	27	24	(178)	4	2.00	285.0	290.0	290.0	1434.0	1434.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	28	1	(179)	4	1.90	284.0	247.0	247.0	2527.0	2527.0
79	6	28	2	(179)	6	1.50	283.0	290.0	290.0	2628.0	120.0
79	6	28	3	(179)	6	1.40	283.0	295.0	295.0	2729.0	120.0
79	6	28	4	(179)	6	0.50	282.0	298.0	298.0	2830.0	120.0
79	6	28	5	(179)	4	1.60	282.0	296.0	296.0	1980.0	1980.0
79	6	28	6	(179)	6	1.00	281.0	166.0	166.0	385.0	482.0
79	6	28	7	(179)	6	0.40	284.0	326.0	326.0	582.0	667.0
79	6	28	8	(179)	4	0.60	287.0	77.0	77.0	1973.0	1973.0
79	6	28	9	(179)	3	1.50	289.0	209.0	209.0	976.0	1036.0
79	6	28	10	(179)	4	1.20	291.0	180.0	180.0	1969.0	1969.0
79	6	28	11	(179)	2	1.90	291.0	146.0	146.0	1370.0	1406.0
79	6	28	12	(179)	1	3.10	293.0	159.0	159.0	1566.0	1590.0
79	6	28	13	(179)	2	3.70	294.0	169.0	169.0	1763.0	1775.0
79	6	28	14	(179)	1	3.60	295.0	176.0	176.0	1960.0	1960.0
79	6	28	15	(179)	2	4.20	295.0	170.0	170.0	1960.0	1960.0
79	6	28	16	(179)	2	4.00	295.0	141.0	141.0	1960.0	1960.0
79	6	28	17	(179)	3	5.40	294.0	148.0	148.0	1960.0	1960.0
79	6	28	18	(179)	3	5.00	293.0	150.0	150.0	1960.0	1960.0
79	6	28	19	(179)	2	4.50	292.0	156.0	156.0	1960.0	1960.0
79	6	28	20	(179)	3	3.70	290.0	129.0	129.0	1939.0	1871.0
79	6	28	21	(179)	3	4.00	289.0	127.0	127.0	1835.0	1456.0
79	6	28	22	(179)	3	3.20	288.0	125.0	125.0	1718.0	1040.0
79	6	28	23	(179)	4	2.10	287.0	105.0	105.0	1585.0	1585.0
79	6	28	24	(179)	3	1.90	286.0	109.0	109.0	1430.0	210.0
79	6	29	1	(180)	4	2.60	286.0	61.0	61.0	2029.0	2029.0
79	6	29	2	(180)	4	4.50	285.0	78.0	78.0	2042.0	2042.0
79	6	29	3	(180)	5	3.80	285.0	82.0	82.0	2055.0	210.0
79	6	29	4	(180)	4	4.10	285.0	59.0	59.0	2068.0	2068.0
79	6	29	5	(180)	5	4.50	286.0	75.0	75.0	43.0	233.0
79	6	29	6	(180)	4	4.30	286.0	53.0	53.0	1113.0	1113.0
79	6	29	7	(180)	5	4.30	287.0	53.0	53.0	133.0	281.0
79	6	29	8	(180)	5	4.10	289.0	56.0	56.0	179.0	305.0
79	6	29	9	(180)	5	3.50	291.0	54.0	54.0	224.0	329.0
79	6	29	10	(180)	4	3.10	292.0	46.0	46.0	782.0	782.0
79	6	29	11	(180)	5	4.10	293.0	43.0	43.0	314.0	378.0
79	6	29	12	(180)	5	5.30	294.0	40.0	40.0	360.0	402.0
79	6	29	13	(180)	5	5.60	294.0	39.0	39.0	405.0	426.0
79	6	29	14	(180)	5	5.60	295.0	45.0	45.0	450.0	450.0
79	6	29	15	(180)	5	4.60	295.0	44.0	44.0	450.0	450.0
79	6	29	16	(180)	5	4.30	295.0	49.0	49.0	450.0	450.0
79	6	29	17	(180)	5	3.50	295.0	68.0	68.0	450.0	450.0
79	6	29	18	(180)	5	2.70	295.0	63.0	63.0	450.0	450.0
79	6	29	19	(180)	5	2.30	294.0	46.0	46.0	450.0	450.0
79	6	29	20	(180)	5	1.30	293.0	82.0	82.0	445.0	429.0
79	6	29	21	(180)	6	0.50	290.0	265.0	265.0	420.0	329.0
79	6	29	22	(180)	6	0.20	288.0	238.0	238.0	392.0	229.0
79	6	29	23	(180)	5	1.70	288.0	295.0	295.0	360.0	130.0
79	6	29	24	(180)	4	1.90	286.0	301.0	301.0	324.0	324.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	6	30	1	(181)	4	2.10	285.0	12.0	12.0	1323.0	1323.0
79	6	30	2	(181)	5	2.50	286.0	276.0	276.0	1491.0	30.0
79	6	30	3	(181)	4	2.50	286.0	295.0	295.0	1658.0	1658.0
79	6	30	4	(181)	4	3.00	286.0	313.0	313.0	1826.0	1826.0
79	6	30	5	(181)	4	4.80	287.0	307.0	307.0	1781.0	1781.0
79	6	30	6	(181)	4	4.10	287.0	300.0	300.0	1925.0	1925.0
79	6	30	7	(181)	4	3.40	288.0	300.0	300.0	2069.0	2069.0
79	6	30	8	(181)	4	3.30	288.0	289.0	289.0	2214.0	2214.0
79	6	30	9	(181)	4	4.00	291.0	338.0	338.0	2358.0	2358.0
79	6	30	10	(181)	4	4.70	293.0	349.0	349.0	2503.0	2503.0
79	6	30	11	(181)	5	5.00	294.0	356.0	356.0	2151.0	2160.0
79	6	30	12	(181)	5	5.70	296.0	1.0	1.0	2460.0	2466.0
79	6	30	13	(181)	4	5.40	295.0	4.0	4.0	2936.0	2936.0
79	6	30	14	(181)	1	7.10	295.0	39.0	39.0	3080.0	3080.0
79	6	30	15	(181)	3	6.60	296.0	37.0	37.0	3080.0	3080.0
79	6	30	16	(181)	1	7.50	296.0	31.0	31.0	3080.0	3080.0
79	6	30	17	(181)	4	7.40	295.0	29.0	29.0	3080.0	3080.0
79	6	30	18	(181)	5	7.40	295.0	36.0	36.0	3080.0	3080.0
79	6	30	19	(181)	5	7.20	294.0	27.0	27.0	3080.0	3080.0
79	6	30	20	(181)	5	5.90	293.0	27.0	27.0	3045.0	2932.0
79	6	30	21	(181)	4	5.30	291.0	23.0	23.0	2874.0	2874.0
79	6	30	22	(181)	5	5.20	290.0	11.0	11.0	2681.0	1566.0
79	6	30	23	(181)	5	6.10	289.0	354.0	354.0	2462.0	883.0
79	6	30	24	(181)	5	6.30	288.0	349.0	349.0	2212.0	200.0
79	7	1	1	(182)	5	6.50	287.0	344.0	344.0	3667.0	200.0
79	7	1	2	(182)	5	6.50	287.0	336.0	336.0	3780.0	200.0
79	7	1	3	(182)	4	6.10	286.0	326.0	326.0	3892.0	3892.0
79	7	1	4	(182)	5	6.60	287.0	345.0	345.0	4005.0	200.0
79	7	1	5	(182)	5	6.00	286.0	342.0	342.0	211.0	393.0
79	7	1	6	(182)	5	6.30	286.0	355.0	355.0	438.0	599.0
79	7	1	7	(182)	5	5.50	286.0	5.0	5.0	664.0	805.0
79	7	1	8	(182)	5	6.20	287.0	4.0	4.0	891.0	1012.0
79	7	1	9	(182)	5	6.10	288.0	3.0	3.0	1117.0	1218.0
79	7	1	10	(182)	5	5.30	289.0	354.0	354.0	1344.0	1424.0
79	7	1	11	(182)	5	6.70	292.0	10.0	10.0	1570.0	1631.0
79	7	1	12	(182)	4	7.20	292.0	13.0	13.0	2341.0	2341.0
79	7	1	13	(182)	4	7.40	293.0	5.0	5.0	2296.0	2296.0
79	7	1	14	(182)	5	8.60	294.0	11.0	11.0	2250.0	2250.0
79	7	1	15	(182)	5	8.50	294.0	11.0	11.0	2250.0	2250.0
79	7	1	16	(182)	3	7.70	294.0	25.0	25.0	2250.0	2250.0
79	7	1	17	(182)	5	6.30	293.0	15.0	15.0	2250.0	2250.0
79	7	1	18	(182)	5	5.20	293.0	28.0	28.0	2250.0	2250.0
79	7	1	19	(182)	4	4.90	292.0	33.0	33.0	2250.0	2250.0
79	7	1	20	(182)	3	4.50	290.0	20.0	20.0	2224.0	2140.0
79	7	1	21	(182)	5	4.20	289.0	360.0	360.0	2098.0	1637.0
79	7	1	22	(182)	5	6.00	288.0	360.0	360.0	1956.0	1135.0
79	7	1	23	(182)	5	6.20	288.0	2.0	2.0	1795.0	632.0
79	7	1	24	(182)	4	4.70	287.0	307.0	307.0	1611.0	1611.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	2	1	(183)	5	4.90	286.0	317.0	317.0	2628.0	130.0
79	7	2	2	(183)	4	5.40	286.0	320.0	320.0	2701.0	2701.0
79	7	2	3	(183)	4	5.50	286.0	328.0	328.0	2773.0	2773.0
79	7	2	4	(183)	3	4.20	284.0	283.0	283.0	2846.0	130.0
79	7	2	5	(183)	4	3.60	283.0	266.0	266.0	1845.0	1845.0
79	7	2	6	(183)	4	4.30	284.0	290.0	290.0	1801.0	1801.0
79	7	2	7	(183)	4	2.90	286.0	297.0	297.0	1757.0	1757.0
79	7	2	8	(183)	2	1.70	288.0	14.0	14.0	573.0	652.0
79	7	2	9	(183)	2	1.70	290.0	16.0	16.0	719.0	785.0
79	7	2	10	(183)	2	1.40	292.0	338.0	338.0	866.0	918.0
79	7	2	11	(183)	2	2.60	293.0	31.0	31.0	1012.0	1051.0
79	7	2	12	(183)	1	2.50	294.0	358.0	358.0	1158.0	1184.0
79	7	2	13	(183)	4	1.40	296.0	255.0	255.0	1494.0	1494.0
79	7	2	14	(183)	2	2.80	296.0	320.0	320.0	1450.0	1450.0
79	7	2	15	(183)	1	2.40	296.0	339.0	339.0	1450.0	1450.0
79	7	2	16	(183)	3	2.90	297.0	330.0	330.0	1450.0	1450.0
79	7	2	17	(183)	4	2.90	297.0	330.0	330.0	1450.0	1450.0
79	7	2	18	(183)	2	3.70	296.0	36.0	36.0	1450.0	1450.0
79	7	2	19	(183)	4	4.30	293.0	77.0	77.0	1450.0	1450.0
79	7	2	20	(183)	1	4.10	291.0	70.0	70.0	1435.0	1385.0
79	7	2	21	(183)	2	4.50	290.0	63.0	63.0	1361.0	1091.0
79	7	2	22	(183)	3	2.50	289.0	71.0	71.0	1278.0	797.0
79	7	2	23	(183)	2	1.80	288.0	117.0	117.0	1184.0	504.0
79	7	2	24	(183)	2	2.50	287.0	9.0	9.0	1076.0	210.0
79	7	3	1	(184)	4	4.00	287.0	75.0	75.0	1490.0	1490.0
79	7	3	2	(184)	1	2.20	287.0	104.0	104.0	1498.0	210.0
79	7	3	3	(184)	6	0.80	286.0	298.0	298.0	1506.0	210.0
79	7	3	4	(184)	5	0.60	286.0	220.0	220.0	1513.0	210.0
79	7	3	5	(184)	5	1.10	286.0	98.0	98.0	32.0	223.0
79	7	3	6	(184)	2	2.00	286.0	174.0	174.0	68.0	237.0
79	7	3	7	(184)	4	2.00	285.0	125.0	125.0	772.0	772.0
79	7	3	8	(184)	2	1.70	284.0	47.0	47.0	138.0	265.0
79	7	3	9	(184)	5	2.90	284.0	61.0	61.0	173.0	279.0
79	7	3	10	(184)	3	3.20	285.0	136.0	136.0	209.0	294.0
79	7	3	11	(184)	4	1.30	285.0	205.0	205.0	531.0	531.0
79	7	3	12	(184)	3	1.70	286.0	208.0	208.0	279.0	322.0
79	7	3	13	(184)	4	2.50	287.0	215.0	215.0	410.0	410.0
79	7	3	14	(184)	3	2.90	289.0	205.0	205.0	350.0	350.0
79	7	3	15	(184)	2	3.20	290.0	189.0	189.0	350.0	350.0
79	7	3	16	(184)	1	3.30	290.0	160.0	160.0	350.0	350.0
79	7	3	17	(184)	2	3.30	289.0	196.0	196.0	350.0	350.0
79	7	3	18	(184)	4	1.50	289.0	167.0	167.0	350.0	350.0
79	7	3	19	(184)	5	0.70	288.0	94.0	94.0	350.0	350.0
79	7	3	20	(184)	2	2.00	287.0	24.0	24.0	347.0	339.0
79	7	3	21	(184)	1	3.60	287.0	12.0	12.0	336.0	292.0
79	7	3	22	(184)	4	3.90	286.0	310.0	310.0	322.0	322.0
79	7	3	23	(184)	5	4.80	285.0	327.0	327.0	307.0	197.0
79	7	3	24	(184)	4	5.00	285.0	2.0	2.0	290.0	290.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	4	1	(185)	3	4.60	284.0	358.0	358.0	637.0	150.0
79	7	4	2	(185)	4	4.10	283.0	292.0	292.0	692.0	692.0
79	7	4	3	(185)	4	3.90	280.0	254.0	254.0	747.0	747.0
79	7	4	4	(185)	4	3.80	280.0	236.0	236.0	801.0	801.0
79	7	4	5	(185)	3	4.80	280.0	271.0	271.0	105.0	241.0
79	7	4	6	(185)	4	3.90	281.0	264.0	264.0	799.0	799.0
79	7	4	7	(185)	3	5.10	284.0	308.0	308.0	337.0	443.0
79	7	4	8	(185)	1	5.00	285.0	5.0	5.0	453.0	544.0
79	7	4	9	(185)	1	6.50	288.0	40.0	40.0	569.0	645.0
79	7	4	10	(185)	4	7.10	290.0	42.0	42.0	974.0	974.0
79	7	4	11	(185)	4	7.50	291.0	48.0	48.0	1018.0	1018.0
79	7	4	12	(185)	4	6.10	292.0	42.0	42.0	1062.0	1062.0
79	7	4	13	(185)	4	6.50	292.0	29.0	29.0	1106.0	1106.0
79	7	4	14	(185)	5	6.70	293.0	29.0	29.0	1150.0	1150.0
79	7	4	15	(185)	5	6.50	293.0	30.0	30.0	1150.0	1150.0
79	7	4	16	(185)	5	6.30	293.0	26.0	26.0	1150.0	1150.0
79	7	4	17	(185)	4	5.70	292.0	21.0	21.0	1150.0	1150.0
79	7	4	18	(185)	5	6.70	291.0	26.0	26.0	1150.0	1150.0
79	7	4	19	(185)	2	5.40	290.0	23.0	23.0	1150.0	1150.0
79	7	4	20	(185)	3	4.20	288.0	14.0	14.0	1138.0	1097.0
79	7	4	21	(185)	5	4.20	286.0	345.0	345.0	1080.0	868.0
79	7	4	22	(185)	5	4.60	285.0	322.0	322.0	1015.0	639.0
79	7	4	23	(185)	5	5.20	283.0	319.0	319.0	941.0	409.0
79	7	4	24	(185)	5	5.40	283.0	320.0	320.0	857.0	180.0
79	7	5	1	(186)	5	5.90	283.0	315.0	315.0	1638.0	180.0
79	7	5	2	(186)	4	5.50	282.0	315.0	315.0	1731.0	1731.0
79	7	5	3	(186)	4	5.60	282.0	315.0	315.0	1825.0	1825.0
79	7	5	4	(186)	3	5.30	282.0	313.0	313.0	1918.0	180.0
79	7	5	5	(186)	3	5.30	281.0	288.0	288.0	169.0	333.0
79	7	5	6	(186)	4	5.00	281.0	288.0	288.0	1560.0	1560.0
79	7	5	7	(186)	4	3.80	283.0	283.0	283.0	1600.0	1600.0
79	7	5	8	(186)	3	1.70	286.0	304.0	304.0	740.0	849.0
79	7	5	9	(186)	2	1.60	289.0	344.0	344.0	930.0	1021.0
79	7	5	10	(186)	3	2.90	291.0	353.0	353.0	1120.0	1193.0
79	7	5	11	(186)	2	3.00	292.0	341.0	341.0	1310.0	1364.0
79	7	5	12	(186)	3	4.20	293.0	356.0	356.0	1500.0	1536.0
79	7	5	13	(186)	2	3.30	294.0	6.0	6.0	1690.0	1708.0
79	7	5	14	(186)	3	4.10	295.0	356.0	356.0	1880.0	1880.0
79	7	5	15	(186)	3	3.40	295.0	35.0	35.0	1880.0	1880.0
79	7	5	16	(186)	3	3.10	296.0	38.0	38.0	1880.0	1880.0
79	7	5	17	(186)	3	3.40	296.0	27.0	27.0	1880.0	1880.0
79	7	5	18	(186)	4	3.40	296.0	6.0	6.0	1880.0	1880.0
79	7	5	19	(186)	4	2.50	295.0	6.0	6.0	1880.0	1880.0
79	7	5	20	(186)	4	1.70	293.0	3.0	3.0	1857.0	1857.0
79	7	5	21	(186)	3	3.70	290.0	146.0	146.0	1754.0	1372.0
79	7	5	22	(186)	4	2.20	287.0	338.0	338.0	1637.0	1637.0
79	7	5	23	(186)	3	3.00	285.0	279.0	279.0	1505.0	551.0
79	7	5	24	(186)	5	3.20	285.0	289.0	289.0	1354.0	140.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	6	1	(187)	5	3.40	284.0	272.0	272.0	2498.0	140.0
79	7	6	2	(187)	5	3.40	284.0	304.0	304.0	2616.0	140.0
79	7	6	3	(187)	4	2.50	284.0	300.0	300.0	2734.0	2734.0
79	7	6	4	(187)	4	3.30	283.0	303.0	303.0	2851.0	2851.0
79	7	6	5	(187)	4	2.00	283.0	299.0	299.0	2088.0	2088.0
79	7	6	6	(187)	3	3.00	283.0	298.0	298.0	436.0	549.0
79	7	6	7	(187)	3	4.00	285.0	289.0	289.0	668.0	767.0
79	7	6	8	(187)	4	3.20	287.0	275.0	275.0	2155.0	2155.0
79	7	6	9	(187)	3	2.90	291.0	272.0	272.0	1131.0	1202.0
79	7	6	10	(187)	4	3.40	295.0	266.0	266.0	2200.0	2200.0
79	7	6	11	(187)	4	4.10	297.0	270.0	270.0	2223.0	2223.0
79	7	6	12	(187)	3	4.00	298.0	283.0	283.0	1826.0	1855.0
79	7	6	13	(187)	2	3.60	299.0	296.0	296.0	2058.0	2072.0
79	7	6	14	(187)	3	3.70	300.0	309.0	309.0	2290.0	2290.0
79	7	6	15	(187)	3	4.00	300.0	320.0	320.0	2290.0	2290.0
79	7	6	16	(187)	3	3.90	301.0	314.0	314.0	2290.0	2290.0
79	7	6	17	(187)	3	3.80	300.0	313.0	313.0	2290.0	2290.0
79	7	6	18	(187)	3	4.10	300.0	316.0	316.0	2290.0	2290.0
79	7	6	19	(187)	3	4.20	300.0	324.0	324.0	2290.0	2290.0
79	7	6	20	(187)	4	4.40	298.0	342.0	342.0	2261.0	2261.0
79	7	6	21	(187)	4	3.20	295.0	71.0	71.0	2130.0	2130.0
79	7	6	22	(187)	5	3.20	293.0	53.0	53.0	1983.0	1133.0
79	7	6	23	(187)	5	2.40	290.0	279.0	279.0	1817.0	616.0
79	7	6	24	(187)	4	1.70	289.0	307.0	307.0	1627.0	1627.0
79	7	7	1	(188)	6	1.40	288.0	287.0	287.0	2836.0	100.0
79	7	7	2	(188)	4	2.00	288.0	313.0	313.0	2941.0	2941.0
79	7	7	3	(188)	4	3.00	288.0	304.0	304.0	3045.0	3045.0
79	7	7	4	(188)	4	3.40	287.0	313.0	313.0	3149.0	3149.0
79	7	7	5	(188)	4	4.20	287.0	303.0	303.0	2143.0	2143.0
79	7	7	6	(188)	4	5.40	288.0	324.0	324.0	2127.0	2127.0
79	7	7	7	(188)	3	4.00	291.0	298.0	298.0	581.0	652.0
79	7	7	8	(188)	3	2.10	293.0	322.0	322.0	784.0	845.0
79	7	7	9	(188)	3	1.50	294.0	19.0	19.0	987.0	1037.0
79	7	7	10	(188)	3	1.50	296.0	21.0	21.0	1189.0	1230.0
79	7	7	11	(188)	3	1.10	297.0	114.0	114.0	1392.0	1422.0
79	7	7	12	(188)	2	2.60	298.0	177.0	177.0	1595.0	1615.0
79	7	7	13	(188)	2	4.00	299.0	182.0	182.0	1797.0	1807.0
79	7	7	14	(188)	3	3.80	299.0	178.0	178.0	2000.0	2000.0
79	7	7	15	(188)	3	4.80	298.0	185.0	185.0	2000.0	2000.0
79	7	7	16	(188)	3	5.30	299.0	181.0	181.0	2000.0	2000.0
79	7	7	17	(188)	2	5.40	297.0	181.0	181.0	2000.0	2000.0
79	7	7	18	(188)	2	5.20	297.0	189.0	189.0	2000.0	2000.0
79	7	7	19	(188)	3	4.00	296.0	179.0	179.0	2000.0	2000.0
79	7	7	20	(188)	4	3.60	295.0	154.0	154.0	1975.0	1975.0
79	7	7	21	(188)	2	4.40	292.0	168.0	168.0	1866.0	1465.0
79	7	7	22	(188)	3	5.00	291.0	180.0	180.0	1744.0	1037.0
79	7	7	23	(188)	2	4.10	290.0	163.0	163.0	1606.0	608.0
79	7	7	24	(188)	3	3.70	288.0	138.0	138.0	1448.0	180.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	8	1	(189)	2	3.60	288.0	113.0	113.0	2495.0	180.0
79	7	8	2	(189)	3	3.20	287.0	160.0	160.0	2589.0	180.0
79	7	8	3	(189)	4	1.70	287.0	104.0	104.0	2684.0	2684.0
79	7	8	4	(189)	6	1.10	286.0	64.0	64.0	2778.0	180.0
79	7	8	5	(189)	4	2.10	286.0	267.0	267.0	1949.0	1949.0
79	7	8	6	(189)	6	2.50	286.0	315.0	315.0	358.0	504.0
79	7	8	7	(189)	4	1.80	287.0	204.0	204.0	1938.0	1938.0
79	7	8	8	(189)	5	1.10	288.0	143.0	143.0	743.0	853.0
79	7	8	9	(189)	4	1.30	290.0	183.0	183.0	1927.0	1927.0
79	7	8	10	(189)	2	1.70	293.0	157.0	157.0	1129.0	1202.0
79	7	8	11	(189)	3	3.20	296.0	207.0	207.0	1322.0	1376.0
79	7	8	12	(189)	4	4.30	297.0	205.0	205.0	1911.0	1911.0
79	7	8	13	(189)	3	4.50	298.0	195.0	195.0	1707.0	1725.0
79	7	8	14	(189)	2	5.70	298.0	176.0	176.0	1900.0	1900.0
79	7	8	15	(189)	3	5.70	298.0	182.0	182.0	1900.0	1900.0
79	7	8	16	(189)	3	4.80	298.0	202.0	202.0	1900.0	1900.0
79	7	8	17	(189)	4	5.30	298.0	204.0	204.0	1900.0	1900.0
79	7	8	18	(189)	4	4.20	297.0	197.0	197.0	1900.0	1900.0
79	7	8	19	(189)	2	4.30	296.0	176.0	176.0	1900.0	1900.0
79	7	8	20	(189)	2	4.40	294.0	164.0	164.0	1876.0	1798.0
79	7	8	21	(189)	3	4.50	293.0	152.0	152.0	1774.0	1399.0
79	7	8	22	(189)	3	4.00	291.0	145.0	145.0	1660.0	999.0
79	7	8	23	(189)	4	3.70	289.0	353.0	353.0	1531.0	1531.0
79	7	8	24	(189)	3	3.80	288.0	319.0	319.0	1383.0	200.0
79	7	9	1	(190)	5	2.90	287.0	25.0	25.0	2376.0	200.0
79	7	9	2	(190)	2	2.50	286.0	162.0	162.0	2466.0	200.0
79	7	9	3	(190)	3	2.70	286.0	108.0	108.0	2556.0	200.0
79	7	9	4	(190)	3	3.00	285.0	76.0	76.0	2647.0	200.0
79	7	9	5	(190)	4	2.40	285.0	39.0	39.0	1875.0	1875.0
79	7	9	6	(190)	5	2.20	285.0	336.0	336.0	346.0	509.0
79	7	9	7	(190)	2	3.00	286.0	219.0	219.0	534.0	676.0
79	7	9	8	(190)	4	1.20	289.0	170.0	170.0	1866.0	1866.0
79	7	9	9	(190)	4	0.70	291.0	146.0	146.0	1864.0	1864.0
79	7	9	10	(190)	4	0.70	293.0	249.0	249.0	1861.0	1861.0
79	7	9	11	(190)	3	0.80	294.0	304.0	304.0	1286.0	1347.0
79	7	9	12	(190)	3	0.70	294.0	250.0	250.0	1474.0	1515.0
79	7	9	13	(190)	1	2.30	297.0	182.0	182.0	1662.0	1682.0
79	7	9	14	(190)	2	2.70	298.0	198.0	198.0	1850.0	1850.0
79	7	9	15	(190)	3	2.60	298.0	215.0	215.0	1850.0	1850.0
79	7	9	16	(190)	4	3.20	299.0	209.0	209.0	1850.0	1850.0
79	7	9	17	(190)	4	2.90	298.0	189.0	189.0	1850.0	1850.0
79	7	9	18	(190)	3	3.20	297.0	158.0	158.0	1850.0	1850.0
79	7	9	19	(190)	3	3.80	297.0	160.0	160.0	1850.0	1850.0
79	7	9	20	(190)	3	4.30	296.0	162.0	162.0	1825.0	1743.0
79	7	9	21	(190)	2	4.10	295.0	148.0	148.0	1721.0	1334.0
79	7	9	22	(190)	3	3.00	294.0	169.0	169.0	1604.0	926.0
79	7	9	23	(190)	1	3.40	292.0	136.0	136.0	1471.0	518.0
79	7	9	24	(190)	1	2.10	291.0	75.0	75.0	1320.0	110.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	10	1	(191)	2	2.50	290.0	176.0	176.0	2482.0	110.0
79	7	10	2	(191)	4	1.80	289.0	247.0	247.0	2602.0	2602.0
79	7	10	3	(191)	5	2.10	288.0	257.0	257.0	2722.0	110.0
79	7	10	4	(191)	5	2.90	288.0	250.0	250.0	2841.0	110.0
79	7	10	5	(191)	3	2.00	288.0	167.0	167.0	194.0	295.0
79	7	10	6	(191)	4	2.80	289.0	256.0	256.0	2103.0	2103.0
79	7	10	7	(191)	4	2.50	291.0	238.0	238.0	2128.0	2128.0
79	7	10	8	(191)	4	3.00	294.0	247.0	247.0	2152.0	2152.0
79	7	10	9	(191)	4	3.00	296.0	266.0	266.0	2177.0	2177.0
79	7	10	10	(191)	3	2.90	297.0	278.0	278.0	1364.0	1409.0
79	7	10	11	(191)	3	4.20	299.0	291.0	291.0	1598.0	1632.0
79	7	10	12	(191)	3	5.80	300.0	311.0	311.0	1832.0	1854.0
79	7	10	13	(191)	2	5.80	301.0	346.0	346.0	2066.0	2077.0
79	7	10	14	(191)	3	4.40	301.0	341.0	341.0	2300.0	2300.0
79	7	10	15	(191)	3	2.10	301.0	283.0	283.0	2300.0	2300.0
79	7	10	16	(191)	2	2.80	301.0	74.0	74.0	2300.0	2300.0
79	7	10	17	(191)	2	1.80	301.0	159.0	159.0	2300.0	2300.0
79	7	10	18	(191)	2	2.90	301.0	174.0	174.0	2300.0	2300.0
79	7	10	19	(191)	3	3.30	299.0	190.0	190.0	2300.0	2300.0
79	7	10	20	(191)	4	3.90	298.0	225.0	225.0	2270.0	2270.0
79	7	10	21	(191)	5	2.30	296.0	221.0	221.0	2151.0	1708.0
79	7	10	22	(191)	4	1.70	295.0	161.0	161.0	2017.0	2017.0
79	7	10	23	(191)	6	1.00	293.0	100.0	100.0	1866.0	776.0
79	7	10	24	(191)	6	1.00	292.0	74.0	74.0	1693.0	310.0
79	7	11	1	(192)	6	1.20	292.0	69.0	69.0	2603.0	310.0
79	7	11	2	(192)	5	2.10	292.0	349.0	349.0	2661.0	310.0
79	7	11	3	(192)	4	2.50	290.0	211.0	211.0	2718.0	2718.0
79	7	11	4	(192)	4	5.60	292.0	309.0	309.0	2776.0	2776.0
79	7	11	5	(192)	3	6.70	292.0	302.0	302.0	113.0	397.0
79	7	11	6	(192)	4	5.20	292.0	292.0	292.0	1771.0	1771.0
79	7	11	7	(192)	4	4.90	293.0	287.0	287.0	1720.0	1720.0
79	7	11	8	(192)	3	3.40	295.0	295.0	295.0	529.0	718.0
79	7	11	9	(192)	3	1.80	297.0	298.0	298.0	667.0	825.0
79	7	11	10	(192)	4	1.30	298.0	250.0	250.0	1566.0	1566.0
79	7	11	11	(192)	4	1.30	301.0	249.0	249.0	1514.0	1514.0
79	7	11	12	(192)	4	1.30	302.0	310.0	310.0	1463.0	1463.0
79	7	11	13	(192)	2	2.40	301.0	156.0	156.0	1221.0	1253.0
79	7	11	14	(192)	4	6.20	295.0	237.0	237.0	1360.0	1360.0
79	7	11	15	(192)	1	3.60	295.0	114.0	114.0	1360.0	1360.0
79	7	11	16	(192)	1	3.50	297.0	158.0	158.0	1360.0	1360.0
79	7	11	17	(192)	3	2.90	297.0	229.0	229.0	1360.0	1360.0
79	7	11	18	(192)	4	2.10	298.0	226.0	226.0	1360.0	1360.0
79	7	11	19	(192)	4	2.90	297.0	267.0	267.0	1360.0	1360.0
79	7	11	20	(192)	4	1.70	296.0	170.0	170.0	1341.0	1341.0
79	7	11	21	(192)	5	2.20	294.0	220.0	220.0	1267.0	992.0
79	7	11	22	(192)	6	1.40	292.0	213.0	213.0	1185.0	705.0
79	7	11	23	(192)	3	1.80	291.0	129.0	129.0	1091.0	417.0
79	7	11	24	(192)	4	2.20	290.0	301.0	301.0	984.0	984.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	12	1	(193)	4	2.90	290.0	298.0	298.0	1941.0	1941.0
79	7	12	2	(193)	5	3.60	290.0	259.0	259.0	2051.0	130.0
79	7	12	3	(193)	5	3.10	289.0	273.0	273.0	2161.0	130.0
79	7	12	4	(193)	4	2.30	288.0	263.0	263.0	2271.0	2271.0
79	7	12	5	(193)	5	3.00	288.0	230.0	230.0	175.0	294.0
79	7	12	6	(193)	2	1.70	288.0	54.0	54.0	393.0	499.0
79	7	12	7	(193)	3	1.60	290.0	250.0	250.0	611.0	704.0
79	7	12	8	(193)	5	1.20	293.0	253.0	253.0	830.0	909.0
79	7	12	9	(193)	4	1.00	295.0	222.0	222.0	1927.0	1927.0
79	7	12	10	(193)	4	1.10	298.0	239.0	239.0	1969.0	1969.0
79	7	12	11	(193)	2	1.80	300.0	198.0	198.0	1485.0	1525.0
79	7	12	12	(193)	2	2.30	301.0	228.0	228.0	1703.0	1730.0
79	7	12	13	(193)	3	3.30	302.0	210.0	210.0	1922.0	1935.0
79	7	12	14	(193)	2	2.80	303.0	181.0	181.0	2140.0	2140.0
79	7	12	15	(193)	3	4.20	303.0	191.0	191.0	2140.0	2140.0
79	7	12	16	(193)	3	4.20	303.0	196.0	196.0	2140.0	2140.0
79	7	12	17	(193)	3	4.30	303.0	184.0	184.0	2140.0	2140.0
79	7	12	18	(193)	2	4.70	302.0	191.0	191.0	2140.0	2140.0
79	7	12	19	(193)	2	3.50	300.0	177.0	177.0	2140.0	2140.0
79	7	12	20	(193)	2	4.40	298.0	180.0	180.0	2109.0	2012.0
79	7	12	21	(193)	2	4.70	297.0	198.0	198.0	1996.0	1571.0
79	7	12	22	(193)	4	3.70	295.0	113.0	113.0	1869.0	1869.0
79	7	12	23	(193)	3	4.30	294.0	189.0	189.0	1725.0	690.0
79	7	12	24	(193)	3	2.60	293.0	83.0	83.0	1561.0	250.0
79	7	13	1	(194)	3	2.30	293.0	111.0	111.0	2491.0	250.0
79	7	13	2	(194)	5	2.20	292.0	96.0	96.0	2557.0	250.0
79	7	13	3	(194)	4	2.20	292.0	118.0	118.0	2623.0	2623.0
79	7	13	4	(194)	5	2.40	292.0	97.0	97.0	2689.0	250.0
79	7	13	5	(194)	3	3.00	291.0	101.0	101.0	117.0	347.0
79	7	13	6	(194)	4	1.70	291.0	102.0	102.0	1757.0	1757.0
79	7	13	7	(194)	2	2.10	291.0	140.0	140.0	415.0	594.0
79	7	13	8	(194)	2	2.30	292.0	165.0	165.0	565.0	718.0
79	7	13	9	(194)	3	2.40	294.0	147.0	147.0	714.0	842.0
79	7	13	10	(194)	1	3.00	297.0	138.0	138.0	863.0	965.0
79	7	13	11	(194)	1	3.40	299.0	159.0	159.0	1012.0	1089.0
79	7	13	12	(194)	2	5.00	299.0	182.0	182.0	1162.0	1213.0
79	7	13	13	(194)	3	4.40	297.0	204.0	204.0	1311.0	1336.0
79	7	13	14	(194)	2	2.50	296.0	241.0	241.0	1460.0	1460.0
79	7	13	15	(194)	4	3.50	296.0	170.0	170.0	1460.0	1460.0
79	7	13	16	(194)	4	5.30	296.0	132.0	132.0	1460.0	1460.0
79	7	13	17	(194)	2	6.60	296.0	158.0	158.0	1460.0	1460.0
79	7	13	18	(194)	1	6.40	295.0	190.0	190.0	1460.0	1460.0
79	7	13	19	(194)	2	3.40	296.0	188.0	188.0	1460.0	1460.0
79	7	13	20	(194)	5	3.60	295.0	209.0	209.0	1441.0	1379.0
79	7	13	21	(194)	4	3.50	295.0	177.0	177.0	1372.0	1372.0
79	7	13	22	(194)	3	3.80	294.0	212.0	212.0	1295.0	845.0
79	7	13	23	(194)	3	3.70	294.0	215.0	215.0	1207.0	577.0
79	7	13	24	(194)	3	3.60	294.0	224.0	224.0	1107.0	310.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	14	1	(195)	3	3.40	293.0	290.0	290.0	1741.0	310.0
79	7	14	2	(195)	4	3.30	293.0	239.0	239.0	1794.0	1794.0
79	7	14	3	(195)	4	3.40	293.0	238.0	238.0	1847.0	1847.0
79	7	14	4	(195)	5	3.40	293.0	274.0	274.0	1900.0	310.0
79	7	14	5	(195)	5	4.60	293.0	263.0	263.0	101.0	386.0
79	7	14	6	(195)	4	4.80	293.0	261.0	261.0	1359.0	1359.0
79	7	14	7	(195)	4	3.30	294.0	265.0	265.0	1349.0	1349.0
79	7	14	8	(195)	3	5.90	295.0	292.0	292.0	494.0	684.0
79	7	14	9	(195)	3	5.70	296.0	313.0	313.0	625.0	784.0
79	7	14	10	(195)	3	5.40	297.0	318.0	318.0	756.0	883.0
79	7	14	11	(195)	3	5.40	298.0	317.0	317.0	887.0	982.0
79	7	14	12	(195)	3	4.70	299.0	315.0	315.0	1018.0	1081.0
79	7	14	13	(195)	3	5.30	300.0	326.0	326.0	1149.0	1181.0
79	7	14	14	(195)	3	4.70	301.0	317.0	317.0	1280.0	1280.0
79	7	14	15	(195)	3	5.20	301.0	286.0	286.0	1280.0	1280.0
79	7	14	16	(195)	3	4.50	302.0	298.0	298.0	1280.0	1280.0
79	7	14	17	(195)	3	4.60	301.0	277.0	277.0	1280.0	1280.0
79	7	14	18	(195)	4	4.70	301.0	274.0	274.0	1280.0	1280.0
79	7	14	19	(195)	4	3.80	300.0	257.0	257.0	1280.0	1280.0
79	7	14	20	(195)	5	4.60	298.0	253.0	253.0	1259.0	1194.0
79	7	14	21	(195)	5	4.70	296.0	279.0	279.0	1189.0	921.0
79	7	14	22	(195)	4	5.30	294.0	289.0	289.0	1109.0	1109.0
79	7	14	23	(195)	4	5.80	293.0	281.0	281.0	1019.0	1019.0
79	7	14	24	(195)	4	4.70	292.0	256.0	256.0	916.0	916.0
79	7	15	1	(196)	5	5.60	291.0	263.0	263.0	1757.0	100.0
79	7	15	2	(196)	5	4.50	290.0	277.0	277.0	1846.0	100.0
79	7	15	3	(196)	5	4.50	290.0	267.0	267.0	1936.0	100.0
79	7	15	4	(196)	5	3.80	290.0	262.0	262.0	2025.0	100.0
79	7	15	5	(196)	5	4.60	289.0	250.0	250.0	134.0	227.0
79	7	15	6	(196)	5	5.10	290.0	268.0	268.0	313.0	395.0
79	7	15	7	(196)	4	4.90	291.0	259.0	259.0	1564.0	1564.0
79	7	15	8	(196)	4	4.30	293.0	274.0	274.0	1589.0	1589.0
79	7	15	9	(196)	4	4.80	296.0	271.0	271.0	1614.0	1614.0
79	7	15	10	(196)	4	5.30	298.0	257.0	257.0	1640.0	1640.0
79	7	15	11	(196)	4	6.80	299.0	253.0	253.0	1665.0	1665.0
79	7	15	12	(196)	4	8.30	300.0	263.0	263.0	1690.0	1690.0
79	7	15	13	(196)	3	8.40	300.0	274.0	274.0	1562.0	1572.0
79	7	15	14	(196)	3	9.50	301.0	275.0	275.0	1740.0	1740.0
79	7	15	15	(196)	3	9.50	301.0	286.0	286.0	1740.0	1740.0
79	7	15	16	(196)	3	8.30	300.0	291.0	291.0	1740.0	1740.0
79	7	15	17	(196)	3	7.90	300.0	290.0	290.0	1740.0	1740.0
79	7	15	18	(196)	3	7.40	299.0	330.0	330.0	1740.0	1740.0
79	7	15	19	(196)	4	5.80	297.0	336.0	336.0	1740.0	1740.0
79	7	15	20	(196)	4	5.10	296.0	322.0	322.0	1720.0	1720.0
79	7	15	21	(196)	5	4.40	294.0	341.0	341.0	1656.0	1409.0
79	7	15	22	(196)	5	5.70	293.0	352.0	352.0	1583.0	1159.0
79	7	15	23	(196)	5	6.30	291.0	19.0	19.0	1501.0	910.0
79	7	15	24	(196)	5	4.70	288.0	40.0	40.0	1406.0	660.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	16	1	(197)	5	4.20	287.0	19.0	19.0	1856.0	660.0
79	7	16	2	(197)	5	4.70	286.0	14.0	14.0	1878.0	660.0
79	7	16	3	(197)	5	4.90	285.0	15.0	15.0	1900.0	660.0
79	7	16	4	(197)	5	5.90	284.0	12.0	12.0	1922.0	660.0
79	7	16	5	(197)	5	5.00	284.0	8.0	8.0	80.0	690.0
79	7	16	6	(197)	5	3.90	284.0	11.0	11.0	189.0	731.0
79	7	16	7	(197)	5	4.10	285.0	11.0	11.0	298.0	772.0
79	7	16	8	(197)	5	5.00	286.0	23.0	23.0	407.0	814.0
79	7	16	9	(197)	5	4.90	287.0	5.0	5.0	516.0	855.0
79	7	16	10	(197)	5	6.20	288.0	19.0	19.0	625.0	896.0
79	7	16	11	(197)	5	5.70	289.0	6.0	6.0	733.0	937.0
79	7	16	12	(197)	5	5.90	289.0	10.0	10.0	842.0	978.0
79	7	16	13	(197)	4	5.30	290.0	13.0	13.0	1097.0	1097.0
79	7	16	14	(197)	4	4.40	291.0	18.0	18.0	1060.0	1060.0
79	7	16	15	(197)	4	4.60	291.0	355.0	355.0	1060.0	1060.0
79	7	16	16	(197)	4	3.80	292.0	26.0	26.0	1060.0	1060.0
79	7	16	17	(197)	4	4.20	292.0	38.0	38.0	1060.0	1060.0
79	7	16	18	(197)	5	3.30	292.0	49.0	49.0	1060.0	1060.0
79	7	16	19	(197)	5	4.20	290.0	59.0	59.0	1060.0	1060.0
79	7	16	20	(197)	4	3.40	288.0	82.0	82.0	1049.0	1049.0
79	7	16	21	(197)	4	2.90	286.0	90.0	90.0	1016.0	1016.0
79	7	16	22	(197)	2	2.00	284.0	357.0	357.0	978.0	758.0
79	7	16	23	(197)	4	2.90	283.0	259.0	259.0	935.0	935.0
79	7	16	24	(197)	5	3.40	283.0	330.0	330.0	886.0	500.0
79	7	17	1	(198)	5	2.90	282.0	293.0	293.0	1381.0	500.0
79	7	17	2	(198)	4	2.60	281.0	283.0	283.0	1441.0	1441.0
79	7	17	3	(198)	5	2.80	281.0	260.0	260.0	1501.0	500.0
79	7	17	4	(198)	5	2.70	280.0	266.0	266.0	1561.0	500.0
79	7	17	5	(198)	4	3.20	280.0	279.0	279.0	1335.0	1335.0
79	7	17	6	(198)	4	4.10	280.0	298.0	298.0	1365.0	1365.0
79	7	17	7	(198)	4	3.60	282.0	294.0	294.0	1394.0	1394.0
79	7	17	8	(198)	3	1.80	285.0	298.0	298.0	612.0	921.0
79	7	17	9	(198)	4	2.80	287.0	347.0	347.0	1453.0	1453.0
79	7	17	10	(198)	4	3.20	289.0	359.0	359.0	1482.0	1482.0
79	7	17	11	(198)	4	4.20	290.0	15.0	15.0	1512.0	1512.0
79	7	17	12	(198)	4	3.80	291.0	13.0	13.0	1541.0	1541.0
79	7	17	13	(198)	3	3.60	293.0	353.0	353.0	1435.0	1487.0
79	7	17	14	(198)	2	2.90	294.0	23.0	23.0	1600.0	1600.0
79	7	17	15	(198)	3	3.40	294.0	3.0	3.0	1600.0	1600.0
79	7	17	16	(198)	3	2.50	294.0	12.0	12.0	1600.0	1600.0
79	7	17	17	(198)	1	2.30	295.0	38.0	38.0	1600.0	1600.0
79	7	17	18	(198)	3	1.70	293.0	73.0	73.0	1600.0	1600.0
79	7	17	19	(198)	5	2.60	293.0	66.0	66.0	1600.0	1600.0
79	7	17	20	(198)	5	3.10	292.0	82.0	82.0	1572.0	1485.0
79	7	17	21	(198)	3	4.10	289.0	143.0	143.0	1487.0	1159.0
79	7	17	22	(198)	4	3.60	287.0	119.0	119.0	1391.0	1391.0
79	7	17	23	(198)	4	3.80	285.0	306.0	306.0	1283.0	1283.0
79	7	17	24	(198)	4	4.20	284.0	267.0	267.0	1159.0	1159.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	18	1	(199)	4	3.20	283.0	290.0	290.0	2193.0	2193.0
79	7	18	2	(199)	4	3.00	283.0	298.0	298.0	2304.0	2304.0
79	7	18	3	(199)	4	2.90	283.0	284.0	284.0	2414.0	2414.0
79	7	18	4	(199)	5	3.80	283.0	286.0	286.0	2525.0	180.0
79	7	18	5	(199)	5	2.60	282.0	283.0	283.0	160.0	327.0
79	7	18	6	(199)	4	2.20	281.0	257.0	257.0	1944.0	1944.0
79	7	18	7	(199)	3	2.90	283.0	303.0	303.0	616.0	746.0
79	7	18	8	(199)	3	2.30	287.0	289.0	289.0	843.0	955.0
79	7	18	9	(199)	4	1.60	291.0	269.0	269.0	2044.0	2044.0
79	7	18	10	(199)	4	1.00	293.0	251.0	251.0	2077.0	2077.0
79	7	18	11	(199)	2	1.70	295.0	279.0	279.0	1527.0	1582.0
79	7	18	12	(199)	2	2.60	297.0	273.0	273.0	1754.0	1792.0
79	7	18	13	(199)	3	2.90	297.0	275.0	275.0	1982.0	2001.0
79	7	18	14	(199)	3	2.30	297.0	266.0	266.0	2210.0	2210.0
79	7	18	15	(199)	3	2.60	298.0	251.0	251.0	2210.0	2210.0
79	7	18	16	(199)	3	4.00	299.0	254.0	254.0	2210.0	2210.0
79	7	18	17	(199)	4	4.40	298.0	246.0	246.0	2210.0	2210.0
79	7	18	18	(199)	4	4.60	297.0	251.0	251.0	2210.0	2210.0
79	7	18	19	(199)	4	5.50	297.0	273.0	273.0	2210.0	2210.0
79	7	18	20	(199)	4	4.70	295.0	260.0	260.0	2167.0	2167.0
79	7	18	21	(199)	4	4.40	293.0	260.0	260.0	2041.0	2041.0
79	7	18	22	(199)	5	4.40	291.0	264.0	264.0	1900.0	1072.0
79	7	18	23	(199)	5	4.90	289.0	266.0	266.0	1739.0	591.0
79	7	18	24	(199)	4	5.90	289.0	276.0	276.0	1555.0	1555.0
79	7	19	1	(200)	4	4.70	288.0	254.0	254.0	2869.0	2869.0
79	7	19	2	(200)	5	4.30	287.0	243.0	243.0	2991.0	110.0
79	7	19	3	(200)	5	4.20	287.0	265.0	265.0	3113.0	110.0
79	7	19	4	(200)	5	4.30	287.0	239.0	239.0	3236.0	110.0
79	7	19	5	(200)	5	2.90	288.0	237.0	237.0	167.0	269.0
79	7	19	6	(200)	5	3.30	287.0	263.0	263.0	411.0	502.0
79	7	19	7	(200)	4	5.00	287.0	284.0	284.0	2303.0	2303.0
79	7	19	8	(200)	4	4.70	288.0	294.0	294.0	2311.0	2311.0
79	7	19	9	(200)	4	2.00	288.0	253.0	253.0	2319.0	2319.0
79	7	19	10	(200)	4	2.90	290.0	245.0	245.0	2327.0	2327.0
79	7	19	11	(200)	4	3.00	294.0	236.0	236.0	2336.0	2336.0
79	7	19	12	(200)	4	4.20	296.0	252.0	252.0	2344.0	2344.0
79	7	19	13	(200)	3	4.10	297.0	274.0	274.0	2116.0	2128.0
79	7	19	14	(200)	3	2.70	298.0	308.0	308.0	2360.0	2360.0
79	7	19	15	(200)	4	2.90	297.0	291.0	291.0	2360.0	2360.0
79	7	19	16	(200)	4	4.30	291.0	288.0	288.0	2360.0	2360.0
79	7	19	17	(200)	4	3.40	291.0	289.0	289.0	2360.0	2360.0
79	7	19	18	(200)	4	4.60	294.0	317.0	317.0	2360.0	2360.0
79	7	19	19	(200)	4	5.00	292.0	253.0	253.0	2360.0	2360.0
79	7	19	20	(200)	4	1.80	291.0	184.0	184.0	2313.0	2313.0
79	7	19	21	(200)	6	0.70	290.0	132.0	132.0	2177.0	1651.0
79	7	19	22	(200)	6	1.00	289.0	233.0	233.0	2025.0	1137.0
79	7	19	23	(200)	5	2.20	289.0	244.0	244.0	1853.0	624.0
79	7	19	24	(200)	4	2.90	288.0	253.0	253.0	1656.0	1656.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION .

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	20	1	(201)	5	3.90	288.0	249.0	249.0	3105.0	110.0
79	7	20	2	(201)	5	3.70	288.0	260.0	260.0	3243.0	110.0
79	7	20	3	(201)	4	4.00	287.0	279.0	279.0	3381.0	3381.0
79	7	20	4	(201)	5	3.30	286.0	233.0	233.0	3519.0	110.0
79	7	20	5	(201)	5	4.70	286.0	274.0	274.0	183.0	286.0
79	7	20	6	(201)	5	4.60	286.0	251.0	251.0	457.0	548.0
79	7	20	7	(201)	5	3.30	287.0	249.0	249.0	731.0	811.0
79	7	20	8	(201)	4	1.50	289.0	234.0	234.0	2555.0	2555.0
79	7	20	9	(201)	4	2.50	292.0	264.0	264.0	2571.0	2571.0
79	7	20	10	(201)	3	2.60	294.0	274.0	274.0	1554.0	1599.0
79	7	20	11	(201)	3	3.20	296.0	239.0	239.0	1828.0	1862.0
79	7	20	12	(201)	4	4.00	297.0	224.0	224.0	2618.0	2618.0
79	7	20	13	(201)	4	3.60	298.0	241.0	241.0	2634.0	2634.0
79	7	20	14	(201)	4	3.60	298.0	246.0	246.0	2650.0	2650.0
79	7	20	15	(201)	4	3.50	299.0	239.0	239.0	2650.0	2650.0
79	7	20	16	(201)	4	4.00	299.0	241.0	241.0	2650.0	2650.0
79	7	20	17	(201)	4	4.60	299.0	232.0	232.0	2650.0	2650.0
79	7	20	18	(201)	5	4.50	299.0	240.0	240.0	2650.0	2650.0
79	7	20	19	(201)	5	4.20	298.0	233.0	233.0	2650.0	2650.0
79	7	20	20	(201)	5	4.50	295.0	228.0	228.0	2594.0	2422.0
79	7	20	21	(201)	5	4.50	295.0	235.0	235.0	2442.0	1844.0
79	7	20	22	(201)	5	4.00	293.0	237.0	237.0	2270.0	1266.0
79	7	20	23	(201)	4	4.20	292.0	225.0	225.0	2075.0	2075.0
79	7	20	24	(201)	5	3.80	291.0	236.0	236.0	1853.0	110.0
79	7	21	1	(202)	4	4.10	291.0	264.0	264.0	3182.0	3182.0
79	7	21	2	(202)	4	2.10	289.0	132.0	132.0	3280.0	3280.0
79	7	21	3	(202)	4	2.50	288.0	59.0	59.0	3379.0	3379.0
79	7	21	4	(202)	5	2.00	287.0	143.0	143.0	3477.0	110.0
79	7	21	5	(202)	5	2.10	287.0	126.0	126.0	129.0	232.0
79	7	21	6	(202)	5	2.00	287.0	95.0	95.0	328.0	420.0
79	7	21	7	(202)	4	1.70	288.0	129.0	129.0	2198.0	2198.0
79	7	21	8	(202)	4	1.30	291.0	177.0	177.0	2158.0	2158.0
79	7	21	9	(202)	3	2.10	295.0	198.0	198.0	925.0	982.0
79	7	21	10	(202)	4	2.80	297.0	246.0	246.0	2079.0	2079.0
79	7	21	11	(202)	4	4.20	299.0	241.0	241.0	2039.0	2039.0
79	7	21	12	(202)	4	5.00	300.0	232.0	232.0	1999.0	1999.0
79	7	21	13	(202)	4	5.90	301.0	230.0	230.0	1960.0	1960.0
79	7	21	14	(202)	4	6.60	301.0	235.0	235.0	1920.0	1920.0
79	7	21	15	(202)	4	6.60	302.0	235.0	235.0	1920.0	1920.0
79	7	21	16	(202)	4	6.80	302.0	232.0	232.0	1920.0	1920.0
79	7	21	17	(202)	4	6.20	301.0	232.0	232.0	1920.0	1920.0
79	7	21	18	(202)	4	5.90	301.0	228.0	228.0	1920.0	1920.0
79	7	21	19	(202)	5	5.70	299.0	224.0	224.0	1920.0	1920.0
79	7	21	20	(202)	5	5.60	298.0	231.0	231.0	1881.0	1760.0
79	7	21	21	(202)	5	4.80	296.0	237.0	237.0	1777.0	1370.0
79	7	21	22	(202)	5	5.90	294.0	231.0	231.0	1661.0	980.0
79	7	21	23	(202)	4	4.40	294.0	258.0	258.0	1529.0	1529.0
79	7	21	24	(202)	4	4.20	292.0	264.0	264.0	1378.0	1378.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	22	1	(203)	3	3.40	292.0	245.0	245.0	2497.0	200.0
79	7	22	2	(203)	3	3.20	291.0	236.0	236.0	2604.0	200.0
79	7	22	3	(203)	5	4.50	291.0	226.0	226.0	2710.0	200.0
79	7	22	4	(203)	5	5.40	291.0	256.0	256.0	2816.0	200.0
79	7	22	5	(203)	4	3.90	291.0	320.0	320.0	2043.0	2043.0
79	7	22	6	(203)	3	3.50	291.0	289.0	289.0	366.0	532.0
79	7	22	7	(203)	4	2.80	291.0	285.0	285.0	2069.0	2069.0
79	7	22	8	(203)	5	2.00	292.0	33.0	33.0	814.0	939.0
79	7	22	9	(203)	3	3.20	294.0	61.0	61.0	1039.0	1143.0
79	7	22	10	(203)	4	3.90	294.0	51.0	51.0	2108.0	2108.0
79	7	22	11	(203)	1	3.20	296.0	80.0	80.0	1487.0	1550.0
79	7	22	12	(203)	2	2.90	297.0	72.0	72.0	1711.0	1753.0
79	7	22	13	(203)	1	2.70	298.0	140.0	140.0	1936.0	1957.0
79	7	22	14	(203)	2	2.40	299.0	165.0	165.0	2160.0	2160.0
79	7	22	15	(203)	2	2.90	299.0	152.0	152.0	2160.0	2160.0
79	7	22	16	(203)	2	2.50	300.0	153.0	153.0	2160.0	2160.0
79	7	22	17	(203)	3	2.60	300.0	129.0	129.0	2160.0	2160.0
79	7	22	18	(203)	3	3.60	299.0	139.0	139.0	2160.0	2160.0
79	7	22	19	(203)	3	3.80	299.0	148.0	148.0	2160.0	2160.0
79	7	22	20	(203)	3	4.30	297.0	147.0	147.0	2112.0	1966.0
79	7	22	21	(203)	3	4.00	295.0	159.0	159.0	1991.0	1512.0
79	7	22	22	(203)	4	3.40	294.0	153.0	153.0	1855.0	1855.0
79	7	22	23	(203)	4	2.60	292.0	132.0	132.0	1701.0	1701.0
79	7	22	24	(203)	4	2.80	292.0	92.0	92.0	1524.0	1524.0
79	7	23	1	(204)	5	2.30	291.0	71.0	71.0	2558.0	150.0
79	7	23	2	(204)	5	2.20	291.0	82.0	82.0	2632.0	150.0
79	7	23	3	(204)	5	2.20	290.0	82.0	82.0	2705.0	150.0
79	7	23	4	(204)	2	2.30	290.0	94.0	94.0	2778.0	150.0
79	7	23	5	(204)	1	3.60	289.0	94.0	94.0	96.0	236.0
79	7	23	6	(204)	3	3.20	289.0	114.0	114.0	252.0	377.0
79	7	23	7	(204)	1	2.10	290.0	138.0	138.0	408.0	517.0
79	7	23	8	(204)	4	1.40	291.0	168.0	168.0	1715.0	1715.0
79	7	23	9	(204)	2	1.60	293.0	179.0	179.0	720.0	798.0
79	7	23	10	(204)	3	2.00	296.0	146.0	146.0	876.0	938.0
79	7	23	11	(204)	4	3.50	299.0	202.0	202.0	1607.0	1607.0
79	7	23	12	(204)	4	5.60	300.0	220.0	220.0	1572.0	1572.0
79	7	23	13	(204)	4	6.60	301.0	218.0	218.0	1536.0	1536.0
79	7	23	14	(204)	4	7.10	302.0	217.0	217.0	1500.0	1500.0
79	7	23	15	(204)	4	6.10	302.0	209.0	209.0	1500.0	1500.0
79	7	23	16	(204)	4	5.70	302.0	223.0	223.0	1500.0	1500.0
79	7	23	17	(204)	4	5.90	302.0	208.0	208.0	1500.0	1500.0
79	7	23	18	(204)	4	4.30	301.0	205.0	205.0	1500.0	1500.0
79	7	23	19	(204)	4	4.30	300.0	205.0	205.0	1500.0	1500.0
79	7	23	20	(204)	4	4.70	299.0	204.0	204.0	1472.0	1472.0
79	7	23	21	(204)	4	4.60	297.0	194.0	194.0	1405.0	1405.0
79	7	23	22	(204)	3	4.70	297.0	195.0	195.0	1329.0	884.0
79	7	23	23	(204)	3	4.40	296.0	196.0	196.0	1243.0	632.0
79	7	23	24	(204)	3	4.80	296.0	192.0	192.0	1144.0	380.0

M SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	24	1	(205)	3	4.40	295.0	199.0	199.0	1695.0	380.0
79	7	24	2	(205)	4	3.60	295.0	204.0	204.0	1731.0	1731.0
79	7	24	3	(205)	4	4.00	295.0	197.0	197.0	1767.0	1767.0
79	7	24	4	(205)	3	3.50	293.0	187.0	187.0	1803.0	380.0
79	7	24	5	(205)	3	3.10	293.0	160.0	160.0	64.0	421.0
79	7	24	6	(205)	2	2.50	292.0	111.0	111.0	173.0	490.0
79	7	24	7	(205)	1	2.10	292.0	136.0	136.0	281.0	558.0
79	7	24	8	(205)	2	1.90	295.0	215.0	215.0	390.0	627.0
79	7	24	9	(205)	4	2.90	297.0	234.0	234.0	1165.0	1165.0
79	7	24	10	(205)	4	3.90	299.0	225.0	225.0	1140.0	1140.0
79	7	24	11	(205)	4	4.00	300.0	213.0	213.0	1115.0	1115.0
79	7	24	12	(205)	4	4.30	300.0	211.0	211.0	1090.0	1090.0
79	7	24	13	(205)	4	4.90	301.0	206.0	206.0	1065.0	1065.0
79	7	24	14	(205)	4	4.70	301.0	209.0	209.0	1040.0	1040.0
79	7	24	15	(205)	4	5.00	302.0	214.0	214.0	1040.0	1040.0
79	7	24	16	(205)	4	4.40	302.0	210.0	210.0	1040.0	1040.0
79	7	24	17	(205)	3	5.40	300.0	191.0	191.0	1040.0	1040.0
79	7	24	18	(205)	2	4.60	298.0	185.0	185.0	1040.0	1040.0
79	7	24	19	(205)	2	3.40	297.0	158.0	158.0	1040.0	1040.0
79	7	24	20	(205)	3	2.20	296.0	126.0	126.0	1019.0	957.0
79	7	24	21	(205)	2	1.80	295.0	72.0	72.0	971.0	778.0
79	7	24	22	(205)	3	3.60	293.0	349.0	349.0	917.0	599.0
79	7	24	23	(205)	4	3.90	293.0	18.0	18.0	855.0	855.0
79	7	24	24	(205)	3	5.60	292.0	44.0	44.0	785.0	240.0
79	7	25	1	(206)	6	4.40	292.0	61.0	61.0	1159.0	240.0
79	7	25	2	(206)	6	4.20	292.0	53.0	53.0	1180.0	240.0
79	7	25	3	(206)	6	4.20	292.0	24.0	24.0	1202.0	240.0
79	7	25	4	(206)	6	4.70	292.0	21.0	21.0	1224.0	240.0
79	7	25	5	(206)	3	4.60	292.0	23.0	23.0	38.0	264.0
79	7	25	6	(206)	3	5.10	291.0	19.0	19.0	105.0	306.0
79	7	25	7	(206)	4	6.10	291.0	9.0	9.0	792.0	792.0
79	7	25	8	(206)	5	6.20	290.0	3.0	3.0	239.0	389.0
79	7	25	9	(206)	5	6.70	291.0	4.0	4.0	306.0	431.0
79	7	25	10	(206)	5	6.00	291.0	8.0	8.0	373.0	473.0
79	7	25	11	(206)	5	6.70	292.0	13.0	13.0	439.0	515.0
79	7	25	12	(206)	4	6.40	292.0	11.0	11.0	683.0	683.0
79	7	25	13	(206)	4	6.20	292.0	14.0	14.0	662.0	662.0
79	7	25	14	(206)	4	6.50	293.0	14.0	14.0	640.0	640.0
79	7	25	15	(206)	5	7.60	294.0	3.0	3.0	640.0	640.0
79	7	25	16	(206)	5	6.70	293.0	1.0	1.0	640.0	640.0
79	7	25	17	(206)	4	6.00	294.0	4.0	4.0	640.0	640.0
79	7	25	18	(206)	4	6.30	294.0	6.0	6.0	640.0	640.0
79	7	25	19	(206)	5	5.90	292.0	2.0	2.0	640.0	640.0
79	7	25	20	(206)	5	4.20	290.0	1.0	1.0	634.0	614.0
79	7	25	21	(206)	4	4.40	289.0	342.0	342.0	619.0	619.0
79	7	25	22	(206)	3	3.10	287.0	302.0	302.0	603.0	507.0
79	7	25	23	(206)	4	3.50	287.0	327.0	327.0	584.0	584.0
79	7	25	24	(206)	4	4.20	287.0	333.0	333.0	563.0	563.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	26	1	(207)	4	4.50	286.0	326.0	326.0	908.0	908.0
79	7	26	2	(207)	4	3.80	286.0	315.0	315.0	956.0	956.0
79	7	26	3	(207)	4	3.80	285.0	307.0	307.0	1005.0	1005.0
79	7	26	4	(207)	4	4.10	285.0	297.0	297.0	1053.0	1053.0
79	7	26	5	(207)	4	4.20	285.0	307.0	307.0	979.0	979.0
79	7	26	6	(207)	3	3.40	285.0	295.0	295.0	212.0	547.0
79	7	26	7	(207)	3	2.40	286.0	291.0	291.0	348.0	641.0
79	7	26	8	(207)	4	1.80	287.0	344.0	344.0	1086.0	1086.0
79	7	26	9	(207)	5	1.80	289.0	36.0	36.0	620.0	829.0
79	7	26	10	(207)	3	0.90	291.0	14.0	14.0	756.0	923.0
79	7	26	11	(207)	1	1.50	292.0	149.0	149.0	892.0	1017.0
79	7	26	12	(207)	2	2.70	293.0	175.0	175.0	1028.0	1112.0
79	7	26	13	(207)	3	2.30	294.0	181.0	181.0	1164.0	1206.0
79	7	26	14	(207)	1	2.50	295.0	162.0	162.0	1300.0	1300.0
79	7	26	15	(207)	3	3.40	295.0	169.0	169.0	1300.0	1300.0
79	7	26	16	(207)	2	4.30	295.0	172.0	172.0	1300.0	1300.0
79	7	26	17	(207)	3	4.00	295.0	179.0	179.0	1300.0	1300.0
79	7	26	18	(207)	3	4.20	294.0	170.0	170.0	1300.0	1300.0
79	7	26	19	(207)	3	4.60	293.0	165.0	165.0	1300.0	1300.0
79	7	26	20	(207)	2	3.80	292.0	133.0	133.0	1270.0	1179.0
79	7	26	21	(207)	2	2.90	290.0	58.0	58.0	1204.0	937.0
79	7	26	22	(207)	3	2.40	289.0	121.0	121.0	1130.0	695.0
79	7	26	23	(207)	3	2.40	289.0	139.0	139.0	1046.0	452.0
79	7	26	24	(207)	3	2.10	289.0	203.0	203.0	950.0	210.0
79	7	27	1	(208)	3	2.90	289.0	135.0	135.0	1589.0	210.0
79	7	27	2	(208)	1	1.70	289.0	242.0	242.0	1641.0	210.0
79	7	27	3	(208)	2	1.70	289.0	159.0	159.0	1694.0	210.0
79	7	27	4	(208)	5	1.40	289.0	205.0	205.0	1746.0	210.0
79	7	27	5	(208)	3	2.70	289.0	96.0	96.0	66.0	265.0
79	7	27	6	(208)	2	3.30	287.0	73.0	73.0	190.0	366.0
79	7	27	7	(208)	1	2.10	287.0	81.0	81.0	314.0	468.0
79	7	27	8	(208)	3	1.90	288.0	74.0	74.0	438.0	570.0
79	7	27	9	(208)	4	1.30	289.0	99.0	99.0	1212.0	1212.0
79	7	27	10	(208)	2	1.70	290.0	67.0	67.0	685.0	773.0
79	7	27	11	(208)	4	2.00	291.0	38.0	38.0	1199.0	1199.0
79	7	27	12	(208)	5	2.80	290.0	54.0	54.0	933.0	977.0
79	7	27	13	(208)	4	1.70	291.0	33.0	33.0	1186.0	1186.0
79	7	27	14	(208)	2	1.50	292.0	47.0	47.0	1180.0	1180.0
79	7	27	15	(208)	3	1.50	293.0	14.0	14.0	1180.0	1180.0
79	7	27	16	(208)	4	3.00	293.0	340.0	340.0	1180.0	1180.0
79	7	27	17	(208)	5	2.40	292.0	13.0	13.0	1180.0	1180.0
79	7	27	18	(208)	4	1.10	292.0	27.0	27.0	1180.0	1180.0
79	7	27	19	(208)	4	0.50	293.0	349.0	349.0	1180.0	1180.0
79	7	27	20	(208)	4	2.60	291.0	26.0	26.0	1166.0	1166.0
79	7	27	21	(208)	5	2.90	289.0	84.0	84.0	1137.0	1019.0
79	7	27	22	(208)	2	1.90	288.0	326.0	326.0	1104.0	912.0
79	7	27	23	(208)	4	1.70	288.0	317.0	317.0	1067.0	1067.0
79	7	27	24	(208)	5	0.80	288.0	290.0	290.0	1025.0	700.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	28	1	(209)	5	1.50	288.0	266.0	266.0	1538.0	700.0
79	7	28	2	(209)	4	2.50	288.0	282.0	282.0	1603.0	1603.0
79	7	28	3	(209)	4	1.90	288.0	289.0	289.0	1668.0	1668.0
79	7	28	4	(209)	5	0.00	273.0	360.0	360.0	1733.0	700.0
79	7	28	5	(209)	4	1.50	287.0	299.0	299.0	1550.0	1550.0
79	7	28	6	(209)	4	2.90	286.0	297.0	297.0	1589.0	1589.0
79	7	28	7	(209)	4	2.90	286.0	297.0	297.0	1628.0	1628.0
79	7	28	8	(209)	5	1.10	288.0	227.0	227.0	702.0	1143.0
79	7	28	9	(209)	2	2.20	291.0	329.0	329.0	902.0	1270.0
79	7	28	10	(209)	3	2.50	293.0	279.0	279.0	1101.0	1396.0
79	7	28	11	(209)	3	4.40	295.0	334.0	334.0	1301.0	1522.0
79	7	28	12	(209)	4	4.60	295.0	337.0	337.0	1822.0	1822.0
79	7	28	13	(209)	4	3.90	296.0	335.0	335.0	1861.0	1861.0
79	7	28	14	(209)	3	3.10	296.0	359.0	359.0	1900.0	1900.0
79	7	28	15	(209)	2	2.90	297.0	307.0	307.0	1900.0	1900.0
79	7	28	16	(209)	3	2.80	297.0	314.0	314.0	1900.0	1900.0
79	7	28	17	(209)	3	2.90	297.0	320.0	320.0	1900.0	1900.0
79	7	28	18	(209)	3	2.70	297.0	309.0	309.0	1900.0	1900.0
79	7	28	19	(209)	4	2.50	297.0	322.0	322.0	1900.0	1900.0
79	7	28	20	(209)	5	1.90	294.0	238.0	238.0	1846.0	1687.0
79	7	28	21	(209)	6	2.40	292.0	276.0	276.0	1737.0	1290.0
79	7	28	22	(209)	5	1.90	290.0	290.0	290.0	1614.0	893.0
79	7	28	23	(209)	4	1.60	288.0	278.0	278.0	1475.0	1475.0
79	7	28	24	(209)	6	0.80	287.0	318.0	318.0	1317.0	100.0
79	7	29	1	(210)	6	0.90	287.0	253.0	253.0	2439.0	100.0
79	7	29	2	(210)	4	2.40	286.0	308.0	308.0	2536.0	2536.0
79	7	29	3	(210)	4	3.70	286.0	299.0	299.0	2633.0	2633.0
79	7	29	4	(210)	5	4.10	286.0	297.0	297.0	2730.0	100.0
79	7	29	5	(210)	5	3.70	286.0	300.0	300.0	99.0	194.0
79	7	29	6	(210)	4	3.50	286.0	316.0	316.0	1900.0	1900.0
79	7	29	7	(210)	4	5.00	287.0	302.0	302.0	1900.0	1900.0
79	7	29	8	(210)	4	4.90	290.0	292.0	292.0	1900.0	1900.0
79	7	29	9	(210)	4	1.70	292.0	278.0	278.0	1900.0	1900.0
79	7	29	10	(210)	3	1.80	295.0	280.0	280.0	1100.0	1142.0
79	7	29	11	(210)	3	2.60	297.0	265.0	265.0	1300.0	1331.0
79	7	29	12	(210)	3	3.00	298.0	220.0	220.0	1500.0	1521.0
79	7	29	13	(210)	3	3.90	298.0	213.0	213.0	1700.0	1710.0
79	7	29	14	(210)	2	3.30	298.0	206.0	206.0	1900.0	1900.0
79	7	29	15	(210)	4	3.60	299.0	231.0	231.0	1900.0	1900.0
79	7	29	16	(210)	4	4.40	299.0	224.0	224.0	1900.0	1900.0
79	7	29	17	(210)	4	4.40	299.0	216.0	216.0	1900.0	1900.0
79	7	29	18	(210)	4	4.10	298.0	214.0	214.0	1900.0	1900.0
79	7	29	19	(210)	3	4.20	296.0	178.0	178.0	1900.0	1900.0
79	7	29	20	(210)	2	5.30	295.0	175.0	175.0	1848.0	1694.0
79	7	29	21	(210)	2	5.00	293.0	188.0	188.0	1746.0	1326.0
79	7	29	22	(210)	2	4.80	293.0	194.0	194.0	1631.0	957.0
79	7	29	23	(210)	1	5.10	292.0	188.0	188.0	1501.0	589.0
79	7	29	24	(210)	2	4.20	291.0	149.0	149.0	1353.0	220.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	7	30	1	(211)	4	3.80	290.0	102.0	102.0	2074.0	2074.0
79	7	30	2	(211)	5	2.90	290.0	91.0	91.0	2105.0	220.0
79	7	30	3	(211)	4	3.20	290.0	89.0	89.0	2137.0	2137.0
79	7	30	4	(211)	2	3.40	290.0	91.0	91.0	2168.0	220.0
79	7	30	5	(211)	3	5.10	290.0	136.0	136.0	40.0	249.0
79	7	30	6	(211)	4	4.10	290.0	122.0	122.0	1274.0	1274.0
79	7	30	7	(211)	4	3.60	290.0	114.0	114.0	1214.0	1214.0
79	7	30	8	(211)	2	3.40	291.0	126.0	126.0	294.0	433.0
79	7	30	9	(211)	3	3.60	291.0	138.0	138.0	378.0	494.0
79	7	30	10	(211)	2	3.70	289.0	141.0	141.0	462.0	555.0
79	7	30	11	(211)	3	1.80	289.0	111.0	111.0	547.0	616.0
79	7	30	12	(211)	4	2.30	289.0	68.0	68.0	918.0	918.0
79	7	30	13	(211)	3	4.10	289.0	71.0	71.0	716.0	739.0
79	7	30	14	(211)	3	1.70	289.0	262.0	262.0	800.0	800.0
79	7	30	15	(211)	4	4.00	290.0	345.0	345.0	800.0	800.0
79	7	30	16	(211)	5	3.60	292.0	354.0	354.0	800.0	800.0
79	7	30	17	(211)	3	2.90	293.0	338.0	338.0	800.0	800.0
79	7	30	18	(211)	4	2.40	293.0	268.0	268.0	800.0	800.0
79	7	30	19	(211)	4	2.10	293.0	217.0	217.0	800.0	800.0
79	7	30	20	(211)	5	2.40	292.0	219.0	219.0	795.0	781.0
79	7	30	21	(211)	5	3.00	292.0	221.0	221.0	786.0	748.0
79	7	30	22	(211)	5	2.70	292.0	263.0	263.0	776.0	716.0
79	7	30	23	(211)	5	3.60	291.0	280.0	280.0	764.0	683.0
79	7	30	24	(211)	4	5.50	292.0	305.0	305.0	751.0	751.0
79	7	31	1	(212)	3	6.50	291.0	321.0	321.0	857.0	650.0
79	7	31	2	(212)	3	7.10	289.0	318.0	318.0	867.0	650.0
79	7	31	3	(212)	4	7.10	289.0	330.0	330.0	878.0	878.0
79	7	31	4	(212)	4	6.90	289.0	338.0	338.0	888.0	888.0
79	7	31	5	(212)	4	7.40	288.0	344.0	344.0	821.0	821.0
79	7	31	6	(212)	4	6.70	288.0	338.0	338.0	823.0	823.0
79	7	31	7	(212)	4	5.40	288.0	338.0	338.0	825.0	825.0
79	7	31	8	(212)	4	5.10	289.0	346.0	346.0	827.0	827.0
79	7	31	9	(212)	5	6.50	290.0	353.0	353.0	396.0	740.0
79	7	31	10	(212)	5	5.40	291.0	358.0	358.0	485.0	760.0
79	7	31	11	(212)	5	5.80	291.0	354.0	354.0	574.0	780.0
79	7	31	12	(212)	4	4.80	291.0	357.0	357.0	836.0	836.0
79	7	31	13	(212)	4	5.40	293.0	354.0	354.0	838.0	838.0
79	7	31	14	(212)	5	5.00	293.0	359.0	359.0	840.0	840.0
79	7	31	15	(212)	5	4.20	293.0	13.0	13.0	840.0	840.0
79	7	31	16	(212)	5	5.30	294.0	13.0	13.0	840.0	840.0
79	7	31	17	(212)	5	5.90	293.0	13.0	13.0	840.0	840.0
79	7	31	18	(212)	5	6.10	292.0	13.0	13.0	840.0	840.0
79	7	31	19	(212)	5	4.30	291.0	353.0	353.0	840.0	840.0
79	7	31	20	(212)	5	3.90	291.0	23.0	23.0	836.0	826.0
79	7	31	21	(212)	6	3.70	289.0	25.0	25.0	830.0	803.0
79	7	31	22	(212)	6	3.40	288.0	23.0	23.0	823.0	781.0
79	7	31	23	(212)	6	3.90	288.0	23.0	23.0	815.0	758.0
79	7	31	24	(212)	5	3.10	288.0	12.0	12.0	805.0	735.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	1	1	(213)	4	2.70	286.0	302.0	302.0	947.0	947.0
79	8	1	2	(213)	5	2.90	286.0	285.0	285.0	966.0	735.0
79	8	1	3	(213)	4	2.90	286.0	285.0	285.0	985.0	985.0
79	8	1	4	(213)	5	2.80	285.0	312.0	312.0	1004.0	735.0
79	8	1	5	(213)	5	3.40	285.0	358.0	358.0	50.0	751.0
79	8	1	6	(213)	5	3.80	285.0	360.0	360.0	166.0	789.0
79	8	1	7	(213)	4	2.30	286.0	22.0	22.0	996.0	996.0
79	8	1	8	(213)	4	2.10	287.0	10.0	10.0	1009.0	1009.0
79	8	1	9	(213)	4	1.70	289.0	29.0	29.0	1023.0	1023.0
79	8	1	10	(213)	3	2.00	291.0	33.0	33.0	628.0	940.0
79	8	1	11	(213)	4	2.20	292.0	47.0	47.0	1050.0	1050.0
79	8	1	12	(213)	1	1.90	293.0	88.0	88.0	859.0	1015.0
79	8	1	13	(213)	1	2.00	294.0	89.0	89.0	974.0	1052.0
79	8	1	14	(213)	1	1.70	294.0	129.0	129.0	1090.0	1090.0
79	8	1	15	(213)	2	1.80	295.0	180.0	180.0	1090.0	1090.0
79	8	1	16	(213)	4	1.30	295.0	186.0	186.0	1090.0	1090.0
79	8	1	17	(213)	3	1.90	295.0	173.0	173.0	1090.0	1090.0
79	8	1	18	(213)	3	3.10	295.0	173.0	173.0	1090.0	1090.0
79	8	1	19	(213)	2	3.70	294.0	170.0	170.0	1090.0	1090.0
79	8	1	20	(213)	4	2.90	292.0	145.0	145.0	1059.0	1059.0
79	8	1	21	(213)	5	3.80	291.0	151.0	151.0	1004.0	772.0
79	8	1	22	(213)	4	4.00	289.0	159.0	159.0	942.0	942.0
79	8	1	23	(213)	4	3.60	288.0	294.0	294.0	871.0	871.0
79	8	1	24	(213)	5	4.00	287.0	274.0	274.0	791.0	185.0
79	8	2	1	(214)	5	3.60	287.0	295.0	295.0	1671.0	185.0
79	8	2	2	(214)	5	4.30	287.0	284.0	284.0	1774.0	185.0
79	8	2	3	(214)	5	4.00	287.0	295.0	295.0	1877.0	185.0
79	8	2	4	(214)	5	3.70	285.0	283.0	283.0	1980.0	185.0
79	8	2	5	(214)	5	4.50	286.0	285.0	285.0	93.0	270.0
79	8	2	6	(214)	5	5.10	286.0	277.0	277.0	317.0	474.0
79	8	2	7	(214)	4	5.70	287.0	287.0	287.0	1724.0	1724.0
79	8	2	8	(214)	4	4.10	289.0	281.0	281.0	1778.0	1778.0
79	8	2	9	(214)	4	4.10	292.0	288.0	288.0	1833.0	1833.0
79	8	2	10	(214)	3	3.30	295.0	267.0	267.0	1211.0	1289.0
79	8	2	11	(214)	3	3.40	297.0	262.0	262.0	1434.0	1493.0
79	8	2	12	(214)	4	4.30	297.0	246.0	246.0	1996.0	1996.0
79	8	2	13	(214)	4	5.20	298.0	224.0	224.0	2051.0	2051.0
79	8	2	14	(214)	4	6.30	299.0	240.0	240.0	2105.0	2105.0
79	8	2	15	(214)	4	6.40	299.0	237.0	237.0	2105.0	2105.0
79	8	2	16	(214)	4	6.40	299.0	237.0	237.0	2105.0	2105.0
79	8	2	17	(214)	4	6.00	299.0	234.0	234.0	2105.0	2105.0
79	8	2	18	(214)	4	5.30	299.0	233.0	233.0	2105.0	2105.0
79	8	2	19	(214)	5	5.30	298.0	230.0	230.0	2105.0	2105.0
79	8	2	20	(214)	5	5.40	296.0	225.0	225.0	2041.0	1858.0
79	8	2	21	(214)	5	5.30	294.0	223.0	223.0	1933.0	1475.0
79	8	2	22	(214)	4	4.30	293.0	250.0	250.0	1811.0	1811.0
79	8	2	23	(214)	4	3.00	293.0	279.0	279.0	1672.0	1672.0
79	8	2	24	(214)	4	2.90	291.0	257.0	257.0	1514.0	1514.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	3	1	(215)	4	2.70	291.0	284.0	284.0	2817.0	2817.0
79	8	3	2	(215)	5	2.70	290.0	320.0	320.0	2943.0	325.0
79	8	3	3	(215)	3	3.00	291.0	261.0	261.0	3068.0	325.0
79	8	3	4	(215)	5	3.80	290.0	202.0	202.0	3194.0	325.0
79	8	3	5	(215)	5	4.60	290.0	279.0	279.0	112.0	424.0
79	8	3	6	(215)	5	5.30	290.0	253.0	253.0	396.0	673.0
79	8	3	7	(215)	5	4.20	291.0	253.0	253.0	681.0	923.0
79	8	3	8	(215)	4	3.30	293.0	253.0	253.0	2488.0	2488.0
79	8	3	9	(215)	4	2.70	294.0	265.0	265.0	2519.0	2519.0
79	8	3	10	(215)	4	3.40	296.0	246.0	246.0	2549.0	2549.0
79	8	3	11	(215)	4	3.60	297.0	259.0	259.0	2579.0	2579.0
79	8	3	12	(215)	3	3.70	298.0	277.0	277.0	2102.0	2171.0
79	8	3	13	(215)	3	5.60	299.0	285.0	285.0	2386.0	2420.0
79	8	3	14	(215)	3	5.70	299.0	282.0	282.0	2670.0	2670.0
79	8	3	15	(215)	3	5.90	299.0	290.0	290.0	2670.0	2670.0
79	8	3	16	(215)	4	1.90	299.0	291.0	291.0	2670.0	2670.0
79	8	3	17	(215)	3	3.80	299.0	306.0	306.0	2670.0	2670.0
79	8	3	18	(215)	3	3.70	299.0	327.0	327.0	2670.0	2670.0
79	8	3	19	(215)	4	4.00	298.0	334.0	334.0	2670.0	2670.0
79	8	3	20	(215)	4	3.30	297.0	318.0	318.0	2577.0	2577.0
79	8	3	21	(215)	4	3.10	294.0	234.0	234.0	2425.0	2425.0
79	8	3	22	(215)	5	1.70	291.0	263.0	263.0	2253.0	1241.0
79	8	3	23	(215)	5	1.90	291.0	291.0	291.0	2059.0	706.0
79	8	3	24	(215)	6	0.70	290.0	75.0	75.0	1850.0	170.0
79	8	4	1	(216)	3	3.10	289.0	101.0	101.0	2793.0	170.0
79	8	4	2	(216)	4	2.90	289.0	110.0	110.0	2815.0	2815.0
79	8	4	3	(216)	3	3.30	289.0	111.0	111.0	2837.0	170.0
79	8	4	4	(216)	3	3.70	288.0	350.0	350.0	2858.0	170.0
79	8	4	5	(216)	3	6.90	288.0	264.0	264.0	23.0	186.0
79	8	4	6	(216)	2	2.80	286.0	13.0	13.0	84.0	229.0
79	8	4	7	(216)	1	3.50	288.0	134.0	134.0	146.0	273.0
79	8	4	8	(216)	2	2.50	289.0	144.0	144.0	207.0	316.0
79	8	4	9	(216)	3	3.20	289.0	104.0	104.0	268.0	359.0
79	8	4	10	(216)	2	4.30	289.0	174.0	174.0	330.0	402.0
79	8	4	11	(216)	1	2.70	290.0	53.0	53.0	391.0	445.0
79	8	4	12	(216)	1	4.30	292.0	128.0	128.0	452.0	489.0
79	8	4	13	(216)	2	5.20	294.0	168.0	168.0	514.0	532.0
79	8	4	14	(216)	1	3.30	295.0	157.0	157.0	575.0	575.0
79	8	4	15	(216)	2	2.80	296.0	158.0	158.0	575.0	575.0
79	8	4	16	(216)	3	3.60	297.0	191.0	191.0	575.0	575.0
79	8	4	17	(216)	4	3.00	298.0	226.0	226.0	575.0	575.0
79	8	4	18	(216)	3	1.90	298.0	252.0	252.0	575.0	575.0
79	8	4	19	(216)	3	2.90	298.0	210.0	210.0	575.0	575.0
79	8	4	20	(216)	4	4.50	296.0	196.0	196.0	559.0	559.0
79	8	4	21	(216)	4	3.80	295.0	136.0	136.0	534.0	534.0
79	8	4	22	(216)	2	1.80	294.0	265.0	265.0	506.0	340.0
79	8	4	23	(216)	4	2.90	294.0	289.0	289.0	474.0	474.0
79	8	4	24	(216)	4	3.30	293.0	111.0	111.0	438.0	438.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	5	1	(217)	3	4.10	293.0	251.0	251.0	628.0	165.0
79	8	5	2	(217)	4	5.40	293.0	310.0	310.0	638.0	638.0
79	8	5	3	(217)	4	4.40	293.0	334.0	334.0	647.0	647.0
79	8	5	4	(217)	4	4.60	292.0	335.0	335.0	656.0	656.0
79	8	5	5	(217)	4	3.70	292.0	332.0	332.0	453.0	453.0
79	8	5	6	(217)	5	3.70	291.0	356.0	356.0	49.0	190.0
79	8	5	7	(217)	4	3.70	291.0	13.0	13.0	428.0	428.0
79	8	5	8	(217)	4	2.70	291.0	52.0	52.0	415.0	415.0
79	8	5	9	(217)	5	4.00	291.0	39.0	39.0	158.0	246.0
79	8	5	10	(217)	5	4.30	291.0	42.0	42.0	195.0	265.0
79	8	5	11	(217)	5	3.60	292.0	50.0	50.0	231.0	284.0
79	8	5	12	(217)	4	2.60	293.0	52.0	52.0	365.0	365.0
79	8	5	13	(217)	2	3.30	294.0	32.0	32.0	304.0	321.0
79	8	5	14	(217)	5	3.60	295.0	53.0	53.0	340.0	340.0
79	8	5	15	(217)	5	4.10	295.0	45.0	45.0	340.0	340.0
79	8	5	16	(217)	5	5.10	294.0	53.0	53.0	340.0	340.0
79	8	5	17	(217)	5	4.50	294.0	42.0	42.0	340.0	340.0
79	8	5	18	(217)	5	4.40	293.0	50.0	50.0	340.0	340.0
79	8	5	19	(217)	5	5.00	292.0	65.0	65.0	340.0	340.0
79	8	5	20	(217)	5	5.60	290.0	55.0	55.0	334.0	319.0
79	8	5	21	(217)	5	4.50	288.0	44.0	44.0	326.0	289.0
79	8	5	22	(217)	6	1.30	286.0	233.0	233.0	316.0	259.0
79	8	5	23	(217)	6	1.20	286.0	315.0	315.0	305.0	230.0
79	8	5	24	(217)	5	2.30	285.0	238.0	238.0	293.0	200.0
79	8	6	1	(218)	6	1.50	284.0	239.0	239.0	646.0	200.0
79	8	6	2	(218)	5	2.50	283.0	317.0	317.0	700.0	200.0
79	8	6	3	(218)	4	3.20	283.0	300.0	300.0	753.0	753.0
79	8	6	4	(218)	4	3.60	283.0	309.0	309.0	806.0	806.0
79	8	6	5	(218)	4	2.60	282.0	295.0	295.0	787.0	787.0
79	8	6	6	(218)	4	2.20	281.0	303.0	303.0	833.0	833.0
79	8	6	7	(218)	6	1.30	283.0	299.0	299.0	300.0	450.0
79	8	6	8	(218)	2	1.60	286.0	21.0	21.0	428.0	557.0
79	8	6	9	(218)	1	1.70	289.0	93.0	93.0	557.0	664.0
79	8	6	10	(218)	1	3.30	291.0	138.0	138.0	686.0	771.0
79	8	6	11	(218)	2	4.00	292.0	156.0	156.0	814.0	879.0
79	8	6	12	(218)	3	5.00	294.0	181.0	181.0	943.0	986.0
79	8	6	13	(218)	2	4.60	294.0	165.0	165.0	1071.0	1093.0
79	8	6	14	(218)	2	5.50	295.0	175.0	175.0	1200.0	1200.0
79	8	6	15	(218)	2	5.70	295.0	182.0	182.0	1200.0	1200.0
79	8	6	16	(218)	2	6.10	295.0	175.0	175.0	1200.0	1200.0
79	8	6	17	(218)	2	6.50	294.0	164.0	164.0	1200.0	1200.0
79	8	6	18	(218)	2	6.00	293.0	161.0	161.0	1200.0	1200.0
79	8	6	19	(218)	3	5.90	293.0	164.0	164.0	1200.0	1200.0
79	8	6	20	(218)	3	5.50	292.0	158.0	158.0	1160.0	1046.0
79	8	6	21	(218)	1	5.70	292.0	178.0	178.0	1099.0	838.0
79	8	6	22	(218)	2	6.30	292.0	182.0	182.0	1031.0	631.0
79	8	6	23	(218)	2	7.00	292.0	196.0	196.0	954.0	423.0
79	8	6	24	(218)	2	6.90	293.0	200.0	200.0	867.0	215.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	7	1	(219)	3	7.70	293.0	210.0	210.0	1327.0	215.0
79	8	7	2	(219)	4	7.50	293.0	211.0	211.0	1350.0	1350.0
79	8	7	3	(219)	4	6.80	294.0	226.0	226.0	1372.0	1372.0
79	8	7	4	(219)	4	6.00	294.0	229.0	229.0	1394.0	1394.0
79	8	7	5	(219)	4	4.10	294.0	231.0	231.0	903.0	903.0
79	8	7	6	(219)	4	4.40	295.0	241.0	241.0	873.0	873.0
79	8	7	7	(219)	4	5.80	296.0	258.0	258.0	843.0	843.0
79	8	7	8	(219)	4	9.10	299.0	304.0	304.0	812.0	812.0
79	8	7	9	(219)	4	9.40	298.0	337.0	337.0	782.0	782.0
79	8	7	10	(219)	4	8.80	298.0	333.0	333.0	752.0	752.0
79	8	7	11	(219)	3	8.50	299.0	334.0	334.0	427.0	496.0
79	8	7	12	(219)	3	7.00	300.0	329.0	329.0	495.0	541.0
79	8	7	13	(219)	4	8.30	300.0	339.0	339.0	660.0	660.0
79	8	7	14	(219)	3	7.20	301.0	329.0	329.0	630.0	630.0
79	8	7	15	(219)	3	6.90	301.0	310.0	310.0	630.0	630.0
79	8	7	16	(219)	3	5.50	301.0	303.0	303.0	630.0	630.0
79	8	7	17	(219)	3	7.30	301.0	314.0	314.0	630.0	630.0
79	8	7	18	(219)	2	6.90	300.0	315.0	315.0	630.0	630.0
79	8	7	19	(219)	3	5.30	298.0	281.0	281.0	630.0	630.0
79	8	7	20	(219)	5	4.90	296.0	261.0	261.0	610.0	555.0
79	8	7	21	(219)	5	4.60	295.0	252.0	252.0	582.0	458.0
79	8	7	22	(219)	5	5.00	294.0	255.0	255.0	550.0	360.0
79	8	7	23	(219)	4	5.00	293.0	303.0	303.0	513.0	513.0
79	8	7	24	(219)	4	5.40	293.0	254.0	254.0	472.0	472.0
79	8	8	1	(220)	5	5.00	293.0	256.0	256.0	913.0	165.0
79	8	8	2	(220)	4	5.30	292.0	263.0	263.0	962.0	962.0
79	8	8	3	(220)	4	5.50	291.0	276.0	276.0	1011.0	1011.0
79	8	8	4	(220)	4	5.80	291.0	276.0	276.0	1060.0	1060.0
79	8	8	5	(220)	4	5.40	290.0	302.0	302.0	867.0	867.0
79	8	8	6	(220)	4	4.40	290.0	268.0	268.0	891.0	891.0
79	8	8	7	(220)	4	4.20	291.0	291.0	291.0	915.0	915.0
79	8	8	8	(220)	3	4.10	292.0	317.0	317.0	384.0	491.0
79	8	8	9	(220)	3	3.70	293.0	298.0	298.0	501.0	590.0
79	8	8	10	(220)	3	3.60	294.0	311.0	311.0	618.0	689.0
79	8	8	11	(220)	3	4.90	294.0	331.0	331.0	735.0	788.0
79	8	8	12	(220)	4	4.70	294.0	325.0	325.0	1037.0	1037.0
79	8	8	13	(220)	3	4.50	295.0	312.0	312.0	968.0	986.0
79	8	8	14	(220)	3	5.20	296.0	329.0	329.0	1085.0	1085.0
79	8	8	15	(220)	4	6.60	297.0	334.0	334.0	1085.0	1085.0
79	8	8	16	(220)	3	6.30	297.0	330.0	330.0	1085.0	1085.0
79	8	8	17	(220)	4	4.90	296.0	342.0	342.0	1085.0	1085.0
79	8	8	18	(220)	4	4.80	296.0	340.0	340.0	1085.0	1085.0
79	8	8	19	(220)	5	3.50	295.0	16.0	16.0	1085.0	1085.0
79	8	8	20	(220)	5	4.20	291.0	65.0	65.0	1047.0	942.0
79	8	8	21	(220)	5	4.30	289.0	65.0	65.0	993.0	760.0
79	8	8	22	(220)	5	3.90	287.0	77.0	77.0	933.0	578.0
79	8	8	23	(220)	4	3.40	286.0	81.0	81.0	865.0	865.0
79	8	8	24	(220)	4	3.00	284.0	64.0	64.0	787.0	787.0

[redacted] METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	9	1	(221)	4	1.90	282.0	229.0	229.0	1569.0	1569.0
79	8	9	2	(221)	6	1.40	281.0	315.0	315.0	1652.0	215.0
79	8	9	3	(221)	6	1.30	281.0	285.0	285.0	1735.0	215.0
79	8	9	4	(221)	6	1.10	281.0	299.0	299.0	1818.0	215.0
79	8	9	5	(221)	6	0.90	281.0	337.0	337.0	52.0	260.0
79	8	9	6	(221)	5	1.70	282.0	292.0	292.0	244.0	429.0
79	8	9	7	(221)	4	2.10	284.0	328.0	328.0	1521.0	1521.0
79	8	9	8	(221)	3	2.50	285.0	103.0	103.0	628.0	767.0
79	8	9	9	(221)	4	2.20	287.0	109.0	109.0	1595.0	1595.0
79	8	9	10	(221)	3	2.70	289.0	157.0	157.0	1012.0	1105.0
79	8	9	11	(221)	3	2.60	289.0	148.0	148.0	1204.0	1273.0
79	8	9	12	(221)	3	3.50	289.0	150.0	150.0	1396.0	1442.0
79	8	9	13	(221)	3	3.70	289.0	151.0	151.0	1588.0	1611.0
79	8	9	14	(221)	3	3.80	289.0	161.0	161.0	1780.0	1780.0
79	8	9	15	(221)	3	4.20	289.0	162.0	162.0	1780.0	1780.0
79	8	9	16	(221)	2	5.20	289.0	166.0	166.0	1780.0	1780.0
79	8	9	17	(221)	2	4.20	289.0	162.0	162.0	1780.0	1780.0
79	8	9	18	(221)	2	3.30	289.0	183.0	183.0	1780.0	1780.0
79	8	9	19	(221)	3	2.80	289.0	143.0	143.0	1780.0	1780.0
79	8	9	20	(221)	3	1.70	289.0	142.0	142.0	1710.0	1517.0
79	8	9	21	(221)	4	0.40	289.0	16.0	16.0	1614.0	1614.0
79	8	9	22	(221)	5	1.50	289.0	231.0	231.0	1506.0	871.0
79	8	9	23	(221)	5	1.80	289.0	214.0	214.0	1384.0	548.0
79	8	9	24	(221)	5	2.50	289.0	233.0	233.0	1245.0	225.0
79	8	10	1	(222)	4	2.60	289.0	274.0	274.0	2039.0	2039.0
79	8	10	2	(222)	4	4.50	290.0	300.0	300.0	2083.0	2083.0
79	8	10	3	(222)	3	6.30	291.0	305.0	305.0	2128.0	225.0
79	8	10	4	(222)	3	5.70	291.0	319.0	319.0	2172.0	225.0
79	8	10	5	(222)	3	5.20	290.0	321.0	321.0	28.0	247.0
79	8	10	6	(222)	4	4.50	290.0	324.0	324.0	1366.0	1366.0
79	8	10	7	(222)	4	6.10	290.0	352.0	352.0	1327.0	1327.0
79	8	10	8	(222)	5	7.90	288.0	357.0	357.0	372.0	518.0
79	8	10	9	(222)	5	7.10	287.0	1.0	1.0	487.0	609.0
79	8	10	10	(222)	5	6.80	287.0	359.0	359.0	601.0	699.0
79	8	10	11	(222)	6	3.80	287.0	6.0	6.0	716.0	789.0
79	8	10	12	(222)	5	8.00	289.0	1.0	1.0	831.0	879.0
79	8	10	13	(222)	5	8.40	291.0	6.0	6.0	945.0	970.0
79	8	10	14	(222)	5	7.50	291.0	23.0	23.0	1060.0	1060.0
79	8	10	15	(222)	5	7.60	291.0	16.0	16.0	1060.0	1060.0
79	8	10	16	(222)	5	7.50	291.0	5.0	5.0	1060.0	1060.0
79	8	10	17	(222)	5	6.10	291.0	8.0	8.0	1060.0	1060.0
79	8	10	18	(222)	5	6.30	291.0	11.0	11.0	1060.0	1060.0
79	8	10	19	(222)	5	5.70	290.0	3.0	3.0	1060.0	1060.0
79	8	10	20	(222)	5	4.80	288.0	7.0	7.0	1019.0	909.0
79	8	10	21	(222)	5	4.20	286.0	346.0	346.0	966.0	729.0
79	8	10	22	(222)	5	3.80	284.0	310.0	310.0	905.0	549.0
79	8	10	23	(222)	5	2.80	283.0	285.0	285.0	837.0	370.0
79	8	10	24	(222)	5	2.10	282.0	295.0	295.0	759.0	190.0

AM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

EAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	11	1	(223)	5	2.80	282.0	304.0	304.0	1680.0	190.0
79	8	11	2	(223)	6	2.20	282.0	285.0	285.0	1786.0	190.0
79	8	11	3	(223)	5	3.50	281.0	293.0	293.0	1892.0	190.0
79	8	11	4	(223)	5	3.30	281.0	301.0	301.0	1998.0	190.0
79	8	11	5	(223)	5	3.00	280.0	346.0	346.0	53.0	239.0
79	8	11	6	(223)	5	3.40	280.0	303.0	303.0	290.0	455.0
79	8	11	7	(223)	4	4.60	282.0	304.0	304.0	1768.0	1768.0
79	8	11	8	(223)	4	3.10	285.0	316.0	316.0	1827.0	1827.0
79	8	11	9	(223)	4	1.40	286.0	338.0	338.0	1887.0	1887.0
79	8	11	10	(223)	4	3.10	289.0	344.0	344.0	1947.0	1947.0
79	8	11	11	(223)	4	3.80	290.0	359.0	359.0	2006.0	2006.0
79	8	11	12	(223)	4	3.60	291.0	352.0	352.0	2066.0	2066.0
79	8	11	13	(223)	1	2.40	291.0	17.0	17.0	1948.0	1969.0
79	8	11	14	(223)	2	2.30	292.0	357.0	357.0	2185.0	2185.0
79	8	11	15	(223)	2	2.70	293.0	328.0	328.0	2185.0	2185.0
79	8	11	16	(223)	2	3.30	293.0	332.0	332.0	2185.0	2185.0
79	8	11	17	(223)	3	3.10	293.0	339.0	339.0	2185.0	2185.0
79	8	11	18	(223)	3	3.20	293.0	325.0	325.0	2185.0	2185.0
79	8	11	19	(223)	5	1.80	292.0	341.0	341.0	2185.0	2185.0
79	8	11	20	(223)	6	0.80	288.0	221.0	221.0	2087.0	1822.0
79	8	11	21	(223)	5	2.90	286.0	3.0	3.0	1961.0	1404.0
79	8	11	22	(223)	1	2.10	285.0	103.0	103.0	1820.0	986.0
79	8	11	23	(223)	3	2.50	284.0	135.0	135.0	1660.0	568.0
79	8	11	24	(223)	4	3.60	283.0	86.0	86.0	1477.0	1477.0
79	8	12	1	(224)	4	3.40	283.0	80.0	80.0	2759.0	2759.0
79	8	12	2	(224)	5	2.90	282.0	99.0	99.0	2856.0	150.0
79	8	12	3	(224)	5	2.30	281.0	83.0	83.0	2954.0	150.0
79	8	12	4	(224)	6	1.40	281.0	68.0	68.0	3051.0	150.0
79	8	12	5	(224)	4	1.70	281.0	140.0	140.0	2083.0	2083.0
79	8	12	6	(224)	4	1.80	280.0	122.0	122.0	2073.0	2073.0
79	8	12	7	(224)	3	1.80	280.0	125.0	125.0	477.0	591.0
79	8	12	8	(224)	5	1.40	282.0	148.0	148.0	693.0	791.0
79	8	12	9	(224)	3	2.30	286.0	185.0	185.0	909.0	990.0
79	8	12	10	(224)	4	4.60	289.0	207.0	207.0	2031.0	2031.0
79	8	12	11	(224)	4	8.40	292.0	215.0	215.0	2021.0	2021.0
79	8	12	12	(224)	4	8.00	293.0	216.0	216.0	2011.0	2011.0
79	8	12	13	(224)	4	8.00	293.0	206.0	206.0	2000.0	2000.0
79	8	12	14	(224)	4	8.50	293.0	207.0	207.0	1990.0	1990.0
79	8	12	15	(224)	4	8.60	293.0	204.0	204.0	1990.0	1990.0
79	8	12	16	(224)	4	8.50	292.0	204.0	204.0	1990.0	1990.0
79	8	12	17	(224)	5	6.60	291.0	204.0	204.0	1990.0	1990.0
79	8	12	18	(224)	3	4.30	287.0	214.0	214.0	1990.0	1990.0
79	8	12	19	(224)	4	3.60	286.0	196.0	196.0	1990.0	1990.0
79	8	12	20	(224)	3	4.20	286.0	114.0	114.0	1920.0	1734.0
79	8	12	21	(224)	2	5.40	286.0	160.0	160.0	1834.0	1448.0
79	8	12	22	(224)	3	5.80	286.0	199.0	199.0	1737.0	1162.0
79	8	12	23	(224)	3	5.70	286.0	198.0	198.0	1626.0	876.0
79	8	12	24	(224)	4	5.30	286.0	207.0	207.0	1501.0	1501.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	13	1	(225)	4	4.70	286.0	210.0	210.0	2082.0	2082.0
79	8	13	2	(225)	4	4.50	286.0	258.0	258.0	2098.0	2098.0
79	8	13	3	(225)	4	2.90	286.0	230.0	230.0	2114.0	2114.0
79	8	13	4	(225)	5	3.90	286.0	209.0	209.0	2129.0	590.0
79	8	13	5	(225)	4	4.70	286.0	209.0	209.0	1411.0	1411.0
79	8	13	6	(225)	4	3.60	287.0	211.0	211.0	1352.0	1352.0
79	8	13	7	(225)	4	3.00	287.0	220.0	220.0	1294.0	1294.0
79	8	13	8	(225)	4	4.00	288.0	239.0	239.0	1235.0	1235.0
79	8	13	9	(225)	4	4.00	289.0	255.0	255.0	1177.0	1177.0
79	8	13	10	(225)	4	4.90	289.0	270.0	270.0	1119.0	1119.0
79	8	13	11	(225)	3	5.20	291.0	275.0	275.0	596.0	789.0
79	8	13	12	(225)	3	6.00	292.0	269.0	269.0	692.0	821.0
79	8	13	13	(225)	4	6.50	294.0	268.0	268.0	943.0	943.0
79	8	13	14	(225)	4	7.90	295.0	259.0	259.0	885.0	885.0
79	8	13	15	(225)	3	10.00	291.0	306.0	306.0	885.0	885.0
79	8	13	16	(225)	3	6.60	292.0	298.0	298.0	885.0	885.0
79	8	13	17	(225)	3	8.00	293.0	291.0	291.0	885.0	885.0
79	8	13	18	(225)	3	8.60	292.0	307.0	307.0	885.0	885.0
79	8	13	19	(225)	3	8.00	291.0	324.0	324.0	885.0	885.0
79	8	13	20	(225)	3	8.10	288.0	322.0	322.0	888.0	897.0
79	8	13	21	(225)	3	6.00	287.0	303.0	303.0	892.0	910.0
79	8	13	22	(225)	3	6.60	286.0	302.0	302.0	897.0	924.0
79	8	13	23	(225)	3	6.80	285.0	296.0	296.0	902.0	937.0
79	8	13	24	(225)	3	9.30	285.0	324.0	324.0	908.0	950.0
79	8	14	1	(226)	3	7.10	284.0	319.0	319.0	1133.0	950.0
79	8	14	2	(226)	4	9.20	283.0	337.0	337.0	1175.0	1175.0
79	8	14	3	(226)	4	7.80	282.0	326.0	326.0	1216.0	1216.0
79	8	14	4	(226)	4	8.90	281.0	332.0	332.0	1258.0	1258.0
79	8	14	5	(226)	3	7.10	280.0	316.0	316.0	31.0	964.0
79	8	14	6	(226)	3	7.50	280.0	330.0	330.0	221.0	1050.0
79	8	14	7	(226)	3	7.20	281.0	316.0	316.0	410.0	1136.0
79	8	14	8	(226)	3	7.60	282.0	318.0	318.0	600.0	1223.0
79	8	14	9	(226)	3	8.40	282.0	318.0	318.0	790.0	1309.0
79	8	14	10	(226)	3	10.20	283.0	323.0	323.0	980.0	1395.0
79	8	14	11	(226)	3	9.70	284.0	325.0	325.0	1170.0	1481.0
79	8	14	12	(226)	3	10.10	285.0	326.0	326.0	1360.0	1568.0
79	8	14	13	(226)	4	10.30	285.0	325.0	325.0	1695.0	1695.0
79	8	14	14	(226)	4	9.10	285.0	335.0	335.0	1740.0	1740.0
79	8	14	15	(226)	5	9.50	284.0	346.0	346.0	1740.0	1740.0
79	8	14	16	(226)	4	9.00	284.0	337.0	337.0	1740.0	1740.0
79	8	14	17	(226)	4	7.80	284.0	341.0	341.0	1740.0	1740.0
79	8	14	18	(226)	4	7.10	285.0	337.0	337.0	1740.0	1740.0
79	8	14	19	(226)	5	5.80	285.0	351.0	351.0	1740.0	1740.0
79	8	14	20	(226)	5	5.70	284.0	353.0	353.0	1656.0	1435.0
79	8	14	21	(226)	4	5.00	283.0	325.0	325.0	1558.0	1558.0
79	8	14	22	(226)	4	5.50	282.0	314.0	314.0	1447.0	1447.0
79	8	14	23	(226)	4	5.40	282.0	312.0	312.0	1321.0	1321.0
79	8	14	24	(226)	4	4.60	280.0	282.0	282.0	1178.0	1178.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	15	1	(227)	5	4.60	280.0	286.0	286.0	2282.0	150.0
79	8	15	2	(227)	5	4.20	279.0	286.0	286.0	2372.0	150.0
79	8	15	3	(227)	5	4.30	279.0	316.0	316.0	2463.0	150.0
79	8	15	4	(227)	4	5.80	280.0	326.0	326.0	2554.0	2554.0
79	8	15	5	(227)	4	5.80	280.0	325.0	325.0	1808.0	1808.0
79	8	15	6	(227)	4	6.00	280.0	323.0	323.0	1815.0	1815.0
79	8	15	7	(227)	4	5.10	281.0	319.0	319.0	1822.0	1822.0
79	8	15	8	(227)	5	3.90	283.0	348.0	348.0	642.0	741.0
79	8	15	9	(227)	5	3.40	285.0	23.0	23.0	847.0	929.0
79	8	15	10	(227)	4	3.80	287.0	4.0	4.0	1843.0	1843.0
79	8	15	11	(227)	4	4.50	288.0	357.0	357.0	1849.0	1849.0
79	8	15	12	(227)	4	4.20	289.0	358.0	358.0	1856.0	1856.0
79	8	15	13	(227)	4	4.10	290.0	5.0	5.0	1863.0	1863.0
79	8	15	14	(227)	3	3.40	291.0	354.0	354.0	1870.0	1870.0
79	8	15	15	(227)	1	2.90	291.0	352.0	352.0	1870.0	1870.0
79	8	15	16	(227)	2	3.30	292.0	359.0	359.0	1870.0	1870.0
79	8	15	17	(227)	4	3.10	292.0	360.0	360.0	1870.0	1870.0
79	8	15	18	(227)	4	2.40	291.0	7.0	7.0	1870.0	1870.0
79	8	15	19	(227)	5	1.50	290.0	27.0	27.0	1870.0	1870.0
79	8	15	20	(227)	3	2.90	287.0	110.0	110.0	1776.0	1531.0
79	8	15	21	(227)	4	4.00	285.0	80.0	80.0	1669.0	1669.0
79	8	15	22	(227)	5	3.80	283.0	78.0	78.0	1549.0	838.0
79	8	15	23	(227)	5	1.90	281.0	198.0	198.0	1413.0	492.0
79	8	15	24	(227)	5	1.70	279.0	289.0	289.0	1257.0	145.0
79	8	16	1	(228)	6	1.70	278.0	256.0	256.0	2466.0	145.0
79	8	16	2	(228)	5	1.80	278.0	260.0	260.0	2565.0	145.0
79	8	16	3	(228)	5	3.10	278.0	300.0	300.0	2664.0	145.0
79	8	16	4	(228)	5	3.20	278.0	300.0	300.0	2763.0	145.0
79	8	16	5	(228)	2	2.80	278.0	274.0	274.0	26.0	169.0
79	8	16	6	(228)	2	1.90	277.0	265.0	265.0	249.0	376.0
79	8	16	7	(228)	5	1.80	278.0	331.0	331.0	472.0	583.0
79	8	16	8	(228)	5	1.30	282.0	273.0	273.0	694.0	790.0
79	8	16	9	(228)	4	1.20	286.0	237.0	237.0	1988.0	1988.0
79	8	16	10	(228)	3	1.70	289.0	252.0	252.0	1139.0	1203.0
79	8	16	11	(228)	3	3.80	291.0	222.0	222.0	1362.0	1410.0
79	8	16	12	(228)	4	5.10	291.0	225.0	225.0	2013.0	2013.0
79	8	16	13	(228)	4	4.50	292.0	223.0	223.0	2022.0	2022.0
79	8	16	14	(228)	4	5.20	292.0	223.0	223.0	2030.0	2030.0
79	8	16	15	(228)	4	5.60	292.0	224.0	224.0	2030.0	2030.0
79	8	16	16	(228)	4	6.00	291.0	226.0	226.0	2030.0	2030.0
79	8	16	17	(228)	4	6.30	290.0	230.0	230.0	2030.0	2030.0
79	8	16	18	(228)	4	6.30	288.0	235.0	235.0	2030.0	2030.0
79	8	16	19	(228)	5	5.80	285.0	232.0	232.0	2029.0	2028.0
79	8	16	20	(228)	5	4.80	284.0	229.0	229.0	1933.0	1682.0
79	8	16	21	(228)	4	4.60	284.0	207.0	207.0	1826.0	1826.0
79	8	16	22	(228)	4	5.00	283.0	209.0	209.0	1705.0	1705.0
79	8	16	23	(228)	3	4.10	283.0	185.0	185.0	1568.0	646.0
79	8	16	24	(228)	2	4.50	282.0	177.0	177.0	1411.0	300.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	17	1	(229)	2	4.20	282.0	178.0	178.0	2219.0	300.0
79	8	17	2	(229)	2	3.60	282.0	177.0	177.0	2250.0	300.0
79	8	17	3	(229)	2	4.00	282.0	154.0	154.0	2281.0	300.0
79	8	17	4	(229)	2	4.20	282.0	160.0	160.0	2312.0	300.0
79	8	17	5	(229)	2	3.50	282.0	143.0	143.0	9.0	306.0
79	8	17	6	(229)	3	3.50	282.0	133.0	133.0	108.0	372.0
79	8	17	7	(229)	3	3.00	283.0	135.0	135.0	206.0	437.0
79	8	17	8	(229)	3	2.70	284.0	133.0	133.0	305.0	503.0
79	8	17	9	(229)	3	2.60	284.0	146.0	146.0	403.0	568.0
79	8	17	10	(229)	3	2.10	285.0	166.0	166.0	501.0	633.0
79	8	17	11	(229)	3	2.00	286.0	202.0	202.0	600.0	699.0
79	8	17	12	(229)	4	1.50	286.0	212.0	212.0	1014.0	1014.0
79	8	17	13	(229)	4	1.50	286.0	215.0	215.0	955.0	955.0
79	8	17	14	(229)	4	0.90	287.0	228.0	228.0	895.0	895.0
79	8	17	15	(229)	4	1.30	288.0	293.0	293.0	895.0	895.0
79	8	17	16	(229)	4	1.40	288.0	282.0	282.0	895.0	895.0
79	8	17	17	(229)	4	1.80	289.0	274.0	274.0	895.0	895.0
79	8	17	18	(229)	3	1.80	289.0	283.0	283.0	895.0	895.0
79	8	17	19	(229)	4	1.40	289.0	232.0	232.0	894.0	894.0
79	8	17	20	(229)	5	1.00	289.0	159.0	159.0	869.0	801.0
79	8	17	21	(229)	5	0.80	288.0	80.0	80.0	841.0	711.0
79	8	17	22	(229)	5	1.00	288.0	113.0	113.0	809.0	621.0
79	8	17	23	(229)	5	1.50	288.0	35.0	35.0	773.0	530.0
79	8	17	24	(229)	5	1.90	288.0	201.0	201.0	731.0	440.0
79	8	18	1	(230)	5	2.10	288.0	197.0	197.0	1081.0	440.0
79	8	18	2	(230)	5	1.50	288.0	234.0	234.0	1112.0	440.0
79	8	18	3	(230)	5	1.50	288.0	240.0	240.0	1142.0	440.0
79	8	18	4	(230)	5	1.20	288.0	248.0	248.0	1173.0	440.0
79	8	18	5	(230)	5	1.30	288.0	243.0	243.0	8.0	445.0
79	8	18	6	(230)	5	1.30	288.0	310.0	310.0	121.0	509.0
79	8	18	7	(230)	4	1.60	288.0	270.0	270.0	977.0	977.0
79	8	18	8	(230)	5	0.60	289.0	126.0	126.0	347.0	638.0
79	8	18	9	(230)	4	0.80	290.0	263.0	263.0	991.0	991.0
79	8	18	10	(230)	4	1.30	292.0	248.0	248.0	998.0	998.0
79	8	18	11	(230)	2	1.70	293.0	296.0	296.0	686.0	832.0
79	8	18	12	(230)	4	0.80	293.0	181.0	181.0	1011.0	1011.0
79	8	18	13	(230)	4	0.80	295.0	301.0	301.0	1018.0	1018.0
79	8	18	14	(230)	1	1.90	296.0	266.0	266.0	1025.0	1025.0
79	8	18	15	(230)	4	1.30	296.0	231.0	231.0	1025.0	1025.0
79	8	18	16	(230)	3	2.30	297.0	225.0	225.0	1025.0	1025.0
79	8	18	17	(230)	3	1.70	297.0	245.0	245.0	1025.0	1025.0
79	8	18	18	(230)	4	2.80	297.0	213.0	213.0	1025.0	1025.0
79	8	18	19	(230)	4	3.40	295.0	210.0	210.0	1022.0	1022.0
79	8	18	20	(230)	4	2.60	293.0	267.0	267.0	980.0	980.0
79	8	18	21	(230)	5	0.90	292.0	68.0	68.0	932.0	713.0
79	8	18	22	(230)	5	2.10	291.0	117.0	117.0	879.0	562.0
79	8	18	23	(230)	3	4.20	291.0	138.0	138.0	818.0	411.0
79	8	18	24	(230)	3	3.10	290.0	103.0	103.0	748.0	260.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	19	1	(231)	5	1.90	290.0	79.0	79.0	1062.0	260.0
79	8	19	2	(231)	5	1.70	290.0	103.0	103.0	1068.0	260.0
79	8	19	3	(231)	4	1.50	290.0	143.0	143.0	1074.0	1074.0
79	8	19	4	(231)	5	0.80	290.0	85.0	85.0	1080.0	260.0
79	8	19	5	(231)	5	0.70	290.0	42.0	42.0	2.0	261.0
79	8	19	6	(231)	4	1.70	290.0	83.0	83.0	647.0	647.0
79	8	19	7	(231)	4	2.30	290.0	79.0	79.0	613.0	613.0
79	8	19	8	(231)	4	2.90	290.0	87.0	87.0	579.0	579.0
79	8	19	9	(231)	3	2.50	290.0	99.0	99.0	168.0	311.0
79	8	19	10	(231)	1	2.90	290.0	122.0	122.0	209.0	324.0
79	8	19	11	(231)	3	2.80	290.0	135.0	135.0	251.0	337.0
79	8	19	12	(231)	3	3.10	291.0	152.0	152.0	292.0	350.0
79	8	19	13	(231)	3	3.50	292.0	140.0	140.0	334.0	362.0
79	8	19	14	(231)	3	3.80	292.0	152.0	152.0	375.0	375.0
79	8	19	15	(231)	2	2.70	292.0	153.0	153.0	375.0	375.0
79	8	19	16	(231)	3	2.60	292.0	178.0	178.0	375.0	375.0
79	8	19	17	(231)	4	1.50	293.0	193.0	193.0	375.0	375.0
79	8	19	18	(231)	4	1.60	293.0	139.0	139.0	375.0	375.0
79	8	19	19	(231)	3	3.30	293.0	132.0	132.0	375.0	377.0
79	8	19	20	(231)	4	3.50	292.0	129.0	129.0	380.0	380.0
79	8	19	21	(231)	3	3.50	292.0	127.0	127.0	385.0	410.0
79	8	19	22	(231)	3	3.00	291.0	117.0	117.0	391.0	427.0
79	8	19	23	(231)	3	2.90	291.0	134.0	134.0	398.0	443.0
79	8	19	24	(231)	3	2.60	291.0	113.0	113.0	40o.0	460.0
79	8	20	1	(232)	3	2.60	290.0	90.0	90.0	458.0	460.0
79	8	20	2	(232)	4	2.30	290.0	107.0	107.0	472.0	472.0
79	8	20	3	(232)	4	2.40	288.0	92.0	92.0	485.0	485.0
79	8	20	4	(232)	5	2.60	288.0	68.0	68.0	499.0	460.0
79	8	20	5	(232)	4	2.80	288.0	338.0	338.0	558.0	558.0
79	8	20	6	(232)	5	4.30	288.0	62.0	62.0	82.0	490.0
79	8	20	7	(232)	5	4.20	288.0	76.0	76.0	162.0	518.0
79	8	20	8	(232)	3	2.20	289.0	78.0	78.0	242.0	547.0
79	8	20	9	(232)	5	2.50	290.0	66.0	66.0	321.0	576.0
79	8	20	10	(232)	5	3.40	291.0	71.0	71.0	401.0	605.0
79	8	20	11	(232)	3	3.60	293.0	80.0	80.0	481.0	634.0
79	8	20	12	(232)	1	3.90	295.0	98.0	98.0	561.0	662.0
79	8	20	13	(232)	1	4.90	295.0	131.0	131.0	640.0	691.0
79	8	20	14	(232)	1	3.50	296.0	110.0	110.0	720.0	720.0
79	8	20	15	(232)	2	3.70	296.0	126.0	126.0	720.0	720.0
79	8	20	16	(232)	1	3.40	297.0	139.0	139.0	720.0	720.0
79	8	20	17	(232)	2	3.60	296.0	157.0	157.0	720.0	720.0
79	8	20	18	(232)	3	3.50	295.0	145.0	145.0	720.0	720.0
79	8	20	19	(232)	4	3.60	294.0	144.0	144.0	718.0	718.0
79	8	20	20	(232)	4	2.30	292.0	55.0	55.0	697.0	697.0
79	8	20	21	(232)	5	2.70	290.0	36.0	36.0	674.0	567.0
79	8	20	22	(232)	5	4.90	290.0	60.0	60.0	648.0	494.0
79	8	20	23	(232)	5	4.40	290.0	77.0	77.0	618.0	422.0
79	8	20	24	(232)	3	3.40	289.0	77.0	77.0	585.0	350.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	21	1	(233)	3	3.00	287.0	5.0	5.0	1083.0	350.0
79	8	21	2	(233)	5	3.80	287.0	51.0	51.0	1142.0	350.0
79	8	21	3	(233)	4	3.90	287.0	86.0	86.0	1201.0	1201.0
79	8	21	4	(233)	5	3.70	286.0	355.0	355.0	1260.0	350.0
79	8	21	5	(233)	5	2.60	284.0	253.0	253.0	2.0	351.0
79	8	21	6	(233)	5	2.20	284.0	262.0	262.0	166.0	477.0
79	8	21	7	(233)	4	3.10	285.0	290.0	290.0	1202.0	1202.0
79	8	21	8	(233)	5	2.10	288.0	86.0	86.0	494.0	727.0
79	8	21	9	(233)	4	1.00	291.0	84.0	84.0	1282.0	1282.0
79	8	21	10	(233)	4	1.40	293.0	100.0	100.0	1321.0	1321.0
79	8	21	11	(233)	1	3.00	295.0	120.0	120.0	987.0	1104.0
79	8	21	12	(233)	2	4.20	296.0	130.0	130.0	1151.0	1229.0
79	8	21	13	(233)	2	4.90	296.0	155.0	155.0	1316.0	1355.0
79	8	21	14	(233)	2	5.40	297.0	169.0	169.0	1480.0	1480.0
79	8	21	15	(233)	2	5.20	297.0	163.0	163.0	1480.0	1480.0
79	8	21	16	(233)	2	4.90	296.0	169.0	169.0	1480.0	1480.0
79	8	21	17	(233)	3	5.80	296.0	162.0	162.0	1480.0	1480.0
79	8	21	18	(233)	2	4.90	295.0	166.0	166.0	1480.0	1480.0
79	8	21	19	(233)	3	4.20	294.0	142.0	142.0	1471.0	1447.0
79	8	21	20	(233)	3	4.00	292.0	134.0	134.0	1408.0	1229.0
79	8	21	21	(233)	3	3.60	290.0	133.0	133.0	1338.0	1012.0
79	8	21	22	(233)	4	4.00	289.0	113.0	113.0	1259.0	1259.0
79	8	21	23	(233)	4	3.20	288.0	97.0	97.0	1170.0	1170.0
79	8	21	24	(233)	5	3.00	287.0	75.0	75.0	1068.0	360.0
79	8	22	1	(234)	4	3.40	288.0	108.0	108.0	1735.0	1735.0
79	8	22	2	(234)	2	3.80	287.0	97.0	97.0	1776.0	360.0
79	8	22	3	(234)	3	3.80	287.0	97.0	97.0	1817.0	360.0
79	8	22	4	(234)	4	4.20	287.0	96.0	96.0	1858.0	1858.0
79	8	22	5	(234)	4	4.00	287.0	95.0	95.0	1899.0	1899.0
79	8	22	6	(234)	4	3.60	287.0	95.0	95.0	1288.0	1288.0
79	8	22	7	(234)	2	2.70	287.0	94.0	94.0	254.0	535.0
79	8	22	8	(234)	2	2.90	288.0	106.0	106.0	382.0	623.0
79	8	22	9	(234)	2	4.20	290.0	123.0	123.0	510.0	711.0
79	8	22	10	(234)	1	5.10	292.0	139.0	139.0	638.0	798.0
79	8	22	11	(234)	2	5.00	292.0	143.0	143.0	766.0	886.0
79	8	22	12	(234)	3	5.50	293.0	139.0	139.0	894.0	974.0
79	8	22	13	(234)	3	5.50	293.0	137.0	137.0	1022.0	1062.0
79	8	22	14	(234)	2	5.00	291.0	146.0	146.0	1150.0	1150.0
79	8	22	15	(234)	3	5.10	291.0	141.0	141.0	1150.0	1150.0
79	8	22	16	(234)	3	4.70	292.0	151.0	151.0	1150.0	1150.0
79	8	22	17	(234)	2	5.20	292.0	153.0	153.0	1150.0	1150.0
79	8	22	18	(234)	2	4.30	293.0	151.0	151.0	1150.0	1150.0
79	8	22	19	(234)	3	5.10	293.0	144.0	144.0	1143.0	1126.0
79	8	22	20	(234)	3	4.90	291.0	142.0	142.0	1105.0	994.0
79	8	22	21	(234)	3	3.70	291.0	147.0	147.0	1062.0	861.0
79	8	22	22	(234)	2	3.30	291.0	166.0	166.0	1014.0	729.0
79	8	22	23	(234)	2	3.40	291.0	168.0	168.0	959.0	597.0
79	8	22	24	(234)	2	3.30	290.0	178.0	178.0	896.0	465.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	23	1	(235)	2	2.50	290.0	156.0	156.0	1207.0	465.0
79	8	23	2	(235)	3	2.10	290.0	140.0	140.0	1216.0	465.0
79	8	23	3	(235)	4	2.40	290.0	128.0	128.0	1225.0	1225.0
79	8	23	4	(235)	4	1.90	290.0	130.0	130.0	1234.0	1234.0
79	8	23	5	(235)	3	2.00	290.0	153.0	153.0	1243.0	465.0
79	8	23	6	(235)	5	1.50	290.0	101.0	101.0	69.0	484.0
79	8	23	7	(235)	3	2.10	291.0	127.0	127.0	140.0	503.0
79	8	23	8	(235)	3	2.20	291.0	129.0	129.0	212.0	523.0
79	8	23	9	(235)	2	1.80	291.0	148.0	148.0	283.0	542.0
79	8	23	10	(235)	3	1.80	291.0	178.0	178.0	354.0	562.0
79	8	23	11	(235)	4	1.70	292.0	185.0	185.0	720.0	720.0
79	8	23	12	(235)	3	2.60	292.0	166.0	166.0	497.0	601.0
79	8	23	13	(235)	2	3.50	293.0	148.0	148.0	569.0	620.0
79	8	23	14	(235)	3	3.60	294.0	164.0	164.0	640.0	640.0
79	8	23	15	(235)	2	3.70	295.0	178.0	178.0	640.0	640.0
79	8	23	16	(235)	4	3.40	295.0	207.0	207.0	640.0	640.0
79	8	23	17	(235)	4	4.30	292.0	285.0	285.0	640.0	640.0
79	8	23	18	(235)	4	2.70	291.0	294.0	294.0	640.0	640.0
79	8	23	19	(235)	4	2.70	291.0	262.0	262.0	646.0	646.0
79	8	23	20	(235)	5	1.80	290.0	33.0	33.0	673.0	755.0
79	8	23	21	(235)	3	2.20	290.0	97.0	97.0	704.0	850.0
79	8	23	22	(235)	6	0.90	290.0	305.0	305.0	739.0	945.0
79	8	23	23	(235)	5	1.90	290.0	270.0	270.0	779.0	1040.0
79	8	23	24	(235)	4	4.40	290.0	305.0	305.0	824.0	824.0
79	8	24	1	(236)	4	4.60	289.0	323.0	323.0	651.0	651.0
79	8	24	2	(236)	4	4.80	289.0	324.0	324.0	653.0	653.0
79	8	24	3	(236)	3	4.50	288.0	298.0	298.0	655.0	1135.0
79	8	24	4	(236)	3	4.70	288.0	318.0	318.0	657.0	1135.0
79	8	24	5	(236)	4	4.00	288.0	321.0	321.0	659.0	659.0
79	8	24	6	(236)	3	3.40	287.0	284.0	284.0	124.0	1139.0
79	8	24	7	(236)	4	3.60	287.0	278.0	278.0	977.0	977.0
79	8	24	8	(236)	4	3.30	288.0	272.0	272.0	1005.0	1005.0
79	8	24	9	(236)	3	2.90	288.0	300.0	300.0	516.0	1150.0
79	8	24	10	(236)	3	3.00	288.0	288.0	288.0	647.0	1154.0
79	8	24	11	(236)	3	2.90	290.0	274.0	274.0	778.0	1158.0
79	8	24	12	(236)	4	4.30	291.0	238.0	238.0	1115.0	1115.0
79	8	24	13	(236)	4	4.60	291.0	250.0	250.0	1142.0	1142.0
79	8	24	14	(236)	4	6.30	292.0	248.0	248.0	1170.0	1170.0
79	8	24	15	(236)	4	6.60	291.0	256.0	256.0	1170.0	1170.0
79	8	24	16	(236)	4	5.50	290.0	254.0	254.0	1170.0	1170.0
79	8	24	17	(236)	4	5.90	289.0	258.0	258.0	1170.0	1170.0
79	8	24	18	(236)	4	4.70	288.0	255.0	255.0	1170.0	1170.0
79	8	24	19	(236)	4	4.50	288.0	258.0	258.0	1171.0	1171.0
79	8	24	20	(236)	4	4.70	287.0	256.0	256.0	1177.0	1177.0
79	8	24	21	(236)	4	4.30	286.0	245.0	245.0	1183.0	1183.0
79	8	24	22	(236)	4	4.60	286.0	264.0	264.0	1190.0	1190.0
79	8	24	23	(236)	4	4.80	286.0	260.0	260.0	1198.0	1198.0
79	8	24	24	(236)	4	5.40	285.0	261.0	261.0	1207.0	1207.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	25	1	(237)	4	4.70	285.0	268.0	268.0	1199.0	1199.0
79	8	25	2	(237)	4	5.60	285.0	265.0	265.0	1204.0	1204.0
79	8	25	3	(237)	4	4.70	285.0	263.0	263.0	1209.0	1209.0
79	8	25	4	(237)	4	4.30	285.0	274.0	274.0	1213.0	1213.0
79	8	25	5	(237)	4	4.40	285.0	288.0	288.0	1218.0	1218.0
79	8	25	6	(237)	3	5.80	285.0	297.0	297.0	141.0	1279.0
79	8	25	7	(237)	3	5.10	285.0	304.0	304.0	293.0	1289.0
79	8	25	8	(237)	3	4.90	286.0	310.0	310.0	445.0	1299.0
79	8	25	9	(237)	3	5.00	286.0	310.0	310.0	598.0	1310.0
79	8	25	10	(237)	3	3.40	288.0	306.0	306.0	750.0	1320.0
79	8	25	11	(237)	3	2.50	289.0	301.0	301.0	903.0	1330.0
79	8	25	12	(237)	1	2.30	291.0	288.0	288.0	1055.0	1340.0
79	8	25	13	(237)	2	2.60	292.0	254.0	254.0	1208.0	1350.0
79	8	25	14	(237)	1	1.90	293.0	291.0	291.0	1360.0	1360.0
79	8	25	15	(237)	1	2.30	294.0	252.0	252.0	1360.0	1360.0
79	8	25	16	(237)	2	2.00	295.0	258.0	258.0	1360.0	1360.0
79	8	25	17	(237)	3	2.80	295.0	200.0	200.0	1360.0	1360.0
79	8	25	18	(237)	3	3.30	294.0	175.0	175.0	1360.0	1360.0
79	8	25	19	(237)	2	4.90	292.0	159.0	159.0	1342.0	1297.0
79	8	25	20	(237)	3	4.20	290.0	143.0	143.0	1274.0	1067.0
79	8	25	21	(237)	3	3.80	289.0	140.0	140.0	1198.0	838.0
79	8	25	22	(237)	3	3.70	288.0	152.0	152.0	1112.0	609.0
79	8	25	23	(237)	3	3.50	287.0	183.0	183.0	1015.0	379.0
79	8	25	24	(237)	3	3.80	286.0	178.0	178.0	904.0	150.0
79	8	26	1	(238)	1	3.60	286.0	135.0	135.0	1719.0	150.0
79	8	26	2	(238)	3	3.00	286.0	204.0	204.0	1776.0	150.0
79	8	26	3	(238)	4	3.00	286.0	199.0	199.0	1833.0	1833.0
79	8	26	4	(238)	3	2.70	285.0	192.0	192.0	1890.0	150.0
79	8	26	5	(238)	2	2.00	285.0	193.0	193.0	1947.0	150.0
79	8	26	6	(238)	4	1.50	285.0	180.0	180.0	1296.0	1296.0
79	8	26	7	(238)	4	1.20	285.0	176.0	176.0	1290.0	1290.0
79	8	26	8	(238)	3	2.20	286.0	197.0	197.0	407.0	508.0
79	8	26	9	(238)	3	2.50	287.0	206.0	206.0	548.0	632.0
79	8	26	10	(238)	4	3.10	290.0	203.0	203.0	1273.0	1273.0
79	8	26	11	(238)	4	3.80	292.0	210.0	210.0	1267.0	1267.0
79	8	26	12	(238)	4	4.60	293.0	201.0	201.0	1261.0	1261.0
79	8	26	13	(238)	3	4.20	294.0	199.0	199.0	1110.0	1126.0
79	8	26	14	(238)	3	4.30	295.0	197.0	197.0	1250.0	1250.0
79	8	26	15	(238)	3	4.90	294.0	199.0	199.0	1250.0	1250.0
79	8	26	16	(238)	4	5.00	293.0	199.0	199.0	1250.0	1250.0
79	8	26	17	(238)	3	2.90	293.0	171.0	171.0	1250.0	1250.0
79	8	26	18	(238)	3	3.20	292.0	165.0	165.0	1250.0	1250.0
79	8	26	19	(238)	3	2.60	292.0	157.0	157.0	1241.0	1218.0
79	8	26	20	(238)	4	3.40	291.0	149.0	149.0	1209.0	1209.0
79	8	26	21	(238)	3	2.70	290.0	177.0	177.0	1174.0	1007.0
79	8	26	22	(238)	4	2.40	290.0	249.0	249.0	1134.0	1134.0
79	8	26	23	(238)	4	3.30	290.0	237.0	237.0	1089.0	1089.0
79	8	26	24	(238)	4	4.20	290.0	269.0	269.0	1038.0	1038.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	27	1	(239)	4	4.60	290.0	277.0	277.0	1250.0	1250.0
79	8	27	2	(239)	4	3.80	289.0	255.0	255.0	1250.0	1250.0
79	8	27	3	(239)	5	2.60	289.0	266.0	266.0	1250.0	690.0
79	8	27	4	(239)	5	2.50	289.0	310.0	310.0	1250.0	690.0
79	8	27	5	(239)	4	2.70	288.0	313.0	313.0	1250.0	1250.0
79	8	27	6	(239)	5	1.80	288.0	278.0	278.0	68.0	690.0
79	8	27	7	(239)	4	2.00	288.0	317.0	317.0	893.0	893.0
79	8	27	8	(239)	5	2.90	288.0	35.0	35.0	224.0	690.0
79	8	27	9	(239)	5	3.70	288.0	61.0	61.0	301.0	690.0
79	8	27	10	(239)	5	3.80	288.0	51.0	51.0	379.0	690.0
79	8	27	11	(239)	5	4.20	287.0	47.0	47.0	457.0	690.0
79	8	27	12	(239)	5	2.90	287.0	62.0	62.0	535.0	690.0
79	8	27	13	(239)	4	1.40	288.0	69.0	69.0	719.0	719.0
79	8	27	14	(239)	4	1.80	287.0	33.0	33.0	690.0	690.0
79	8	27	15	(239)	4	0.90	287.0	159.0	159.0	690.0	690.0
79	8	27	16	(239)	4	1.50	288.0	224.0	224.0	690.0	690.0
79	8	27	17	(239)	4	1.40	289.0	200.0	200.0	690.0	690.0
79	8	27	18	(239)	4	1.20	290.0	174.0	174.0	690.0	690.0
79	8	27	19	(239)	5	2.60	289.0	216.0	216.0	690.0	689.0
79	8	27	20	(239)	6	2.30	287.0	214.0	214.0	689.0	687.0
79	8	27	21	(239)	6	0.30	286.0	109.0	109.0	689.0	686.0
79	8	27	22	(239)	6	0.10	284.0	267.0	267.0	688.0	684.0
79	8	27	23	(239)	6	0.90	283.0	277.0	277.0	687.0	682.0
79	8	27	24	(239)	6	0.60	283.0	217.0	217.0	686.0	680.0
79	8	28	1	(240)	6	0.80	282.0	311.0	311.0	951.0	680.0
79	8	28	2	(240)	5	1.60	282.0	279.0	279.0	993.0	680.0
79	8	28	3	(240)	5	2.30	282.0	300.0	300.0	1034.0	680.0
79	8	28	4	(240)	5	1.70	281.0	284.0	284.0	1075.0	680.0
79	8	28	5	(240)	6	1.00	281.0	307.0	307.0	1116.0	680.0
79	8	28	6	(240)	6	0.30	282.0	134.0	134.0	143.0	757.0
79	8	28	7	(240)	6	0.40	283.0	87.0	87.0	309.0	847.0
79	8	28	8	(240)	5	1.30	283.0	96.0	96.0	476.0	936.0
79	8	28	9	(240)	5	1.40	284.0	154.0	154.0	642.0	1026.0
79	8	28	10	(240)	3	2.50	286.0	184.0	184.0	809.0	1116.0
79	8	28	11	(240)	3	2.50	287.0	143.0	143.0	975.0	1206.0
79	8	28	12	(240)	3	3.70	288.0	162.0	162.0	1142.0	1295.0
79	8	28	13	(240)	2	4.90	289.0	183.0	183.0	1308.0	1385.0
79	8	28	14	(240)	3	3.80	290.0	177.0	177.0	1475.0	1475.0
79	8	28	15	(240)	3	4.60	291.0	187.0	187.0	1475.0	1475.0
79	8	28	16	(240)	2	6.10	291.0	181.0	181.0	1475.0	1475.0
79	8	28	17	(240)	3	4.70	290.0	184.0	184.0	1475.0	1475.0
79	8	28	18	(240)	3	4.10	291.0	150.0	150.0	1475.0	1475.0
79	8	28	19	(240)	3	4.10	290.0	151.0	151.0	1462.0	1429.0
79	8	28	20	(240)	3	4.50	289.0	157.0	157.0	1424.0	1305.0
79	8	28	21	(240)	2	4.60	289.0	164.0	164.0	1382.0	1181.0
79	8	28	22	(240)	2	6.80	289.0	150.0	150.0	1335.0	1058.0
79	8	28	23	(240)	1	5.80	289.0	162.0	162.0	1281.0	934.0
79	8	28	24	(240)	5	1.30	289.0	275.0	275.0	1220.0	810.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	29	1	(241)	4	1.80	289.0	118.0	118.0	1691.0	1691.0
79	8	29	2	(241)	3	2.50	289.0	111.0	111.0	1725.0	810.0
79	8	29	3	(241)	4	2.90	289.0	109.0	109.0	1759.0	1759.0
79	8	29	4	(241)	3	3.70	289.0	170.0	170.0	1792.0	810.0
79	8	29	5	(241)	4	4.20	289.0	214.0	214.0	1826.0	1826.0
79	8	29	6	(241)	4	3.60	289.0	274.0	274.0	1469.0	1469.0
79	8	29	7	(241)	4	4.60	289.0	272.0	272.0	1469.0	1469.0
79	8	29	8	(241)	4	4.20	290.0	293.0	293.0	1468.0	1468.0
79	8	29	9	(241)	3	4.70	292.0	282.0	282.0	636.0	1094.0
79	8	29	10	(241)	3	5.70	293.0	286.0	286.0	802.0	1168.0
79	8	29	11	(241)	3	4.90	294.0	282.0	282.0	968.0	1243.0
79	8	29	12	(241)	3	4.50	296.0	277.0	277.0	1133.0	1317.0
79	8	29	13	(241)	3	4.70	298.0	268.0	268.0	1299.0	1391.0
79	8	29	14	(241)	3	5.50	299.0	269.0	269.0	1465.0	1465.0
79	8	29	15	(241)	4	6.40	300.0	256.0	256.0	1465.0	1465.0
79	8	29	16	(241)	4	6.60	299.0	261.0	261.0	1465.0	1465.0
79	8	29	17	(241)	4	5.40	299.0	258.0	258.0	1465.0	1465.0
79	8	29	18	(241)	4	5.10	298.0	238.0	238.0	1465.0	1465.0
79	8	29	19	(241)	5	5.40	296.0	231.0	231.0	1438.0	1368.0
79	8	29	20	(241)	5	5.00	295.0	247.0	247.0	1364.0	1129.0
79	8	29	21	(241)	4	4.30	294.0	263.0	263.0	1282.0	1282.0
79	8	29	22	(241)	3	4.00	293.0	284.0	284.0	1190.0	649.0
79	8	29	23	(241)	5	4.60	292.0	263.0	263.0	1085.0	410.0
79	8	29	24	(241)	4	6.20	291.0	272.0	272.0	965.0	965.0
79	8	30	1	(242)	4	6.30	291.0	277.0	277.0	1725.0	1725.0
79	8	30	2	(242)	4	6.30	290.0	284.0	284.0	1765.0	1765.0
79	8	30	3	(242)	4	5.80	289.0	286.0	286.0	1806.0	1806.0
79	8	30	4	(242)	4	4.30	288.0	276.0	276.0	1846.0	1846.0
79	8	30	5	(242)	4	4.80	287.0	284.0	284.0	1886.0	1886.0
79	8	30	6	(242)	4	5.10	286.0	297.0	297.0	1165.0	1165.0
79	8	30	7	(242)	4	5.00	286.0	313.0	313.0	1139.0	1139.0
79	8	30	8	(242)	4	6.10	288.0	346.0	346.0	1112.0	1112.0
79	8	30	9	(242)	5	5.70	288.0	358.0	358.0	413.0	510.0
79	8	30	10	(242)	5	4.30	290.0	360.0	360.0	522.0	599.0
79	8	30	11	(242)	4	3.60	291.0	349.0	349.0	1034.0	1034.0
79	8	30	12	(242)	3	3.40	292.0	2.0	2.0	738.0	777.0
79	8	30	13	(242)	3	2.20	293.0	18.0	18.0	847.0	866.0
79	8	30	14	(242)	2	2.10	294.0	270.0	270.0	955.0	955.0
79	8	30	15	(242)	3	2.10	294.0	270.0	270.0	955.0	955.0
79	8	30	16	(242)	3	2.60	295.0	287.0	287.0	955.0	955.0
79	8	30	17	(242)	3	1.90	294.0	315.0	315.0	955.0	955.0
79	8	30	18	(242)	4	1.70	294.0	39.0	39.0	955.0	955.0
79	8	30	19	(242)	5	3.90	292.0	90.0	90.0	938.0	896.0
79	8	30	20	(242)	1	4.30	290.0	132.0	132.0	896.0	760.0
79	8	30	21	(242)	2	4.10	288.0	126.0	126.0	849.0	623.0
79	8	30	22	(242)	1	3.70	287.0	108.0	108.0	796.0	487.0
79	8	30	23	(242)	2	2.70	286.0	112.0	112.0	736.0	351.0
79	8	30	24	(242)	3	2.20	285.0	107.0	107.0	668.0	215.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	8	31	1	(243)	3	2.50	285.0	142.0	142.0	1299.0	215.0
79	8	31	2	(243)	3	2.60	285.0	122.0	122.0	1352.0	215.0
79	8	31	3	(243)	4	2.10	285.0	94.0	94.0	1405.0	1405.0
79	8	31	4	(243)	4	2.50	286.0	110.0	110.0	1458.0	1458.0
79	8	31	5	(243)	3	3.50	286.0	158.0	158.0	1512.0	215.0
79	8	31	6	(243)	2	4.10	286.0	138.0	138.0	113.0	308.0
79	8	31	7	(243)	3	4.30	287.0	133.0	133.0	255.0	426.0
79	8	31	8	(243)	4	3.80	288.0	136.0	136.0	1159.0	1159.0
79	8	31	9	(243)	3	5.20	291.0	162.0	162.0	539.0	661.0
79	8	31	10	(243)	2	5.30	293.0	178.0	178.0	681.0	779.0
79	8	31	11	(243)	1	4.10	294.0	172.0	172.0	823.0	897.0
79	8	31	12	(243)	2	5.30	295.0	188.0	188.0	966.0	1015.0
79	8	31	13	(243)	3	5.50	297.0	192.0	192.0	1108.0	1132.0
79	8	31	14	(243)	2	5.20	297.0	168.0	168.0	1250.0	1250.0
79	8	31	15	(243)	2	4.40	297.0	147.0	147.0	1250.0	1250.0
79	8	31	16	(243)	1	4.60	296.0	100.0	100.0	1250.0	1250.0
79	8	31	17	(243)	1	4.60	296.0	100.0	100.0	1250.0	1250.0
79	8	31	18	(243)	1	4.60	296.0	100.0	100.0	1250.0	1250.0
79	8	31	19	(243)	1	4.60	296.0	100.0	100.0	1224.0	1159.0
79	8	31	20	(243)	1	4.60	296.0	100.0	100.0	1163.0	963.0
79	8	31	21	(243)	1	4.60	296.0	100.0	100.0	1095.0	767.0
79	8	31	22	(243)	1	4.60	296.0	100.0	100.0	1018.0	571.0
79	8	31	23	(243)	1	4.60	296.0	100.0	100.0	931.0	376.0
79	8	31	24	(243)	1	4.60	296.0	100.0	100.0	852.0	180.0
79	9	1	1	(244)	4	4.50	284.0	360.0	360.0	1873.0	1873.0
79	9	1	2	(244)	3	3.10	285.0	330.0	330.0	1969.0	180.0
79	9	1	3	(244)	2	3.10	285.0	335.0	335.0	2065.0	180.0
79	9	1	4	(244)	2	2.70	285.0	310.0	310.0	2161.0	180.0
79	9	1	5	(244)	3	3.10	285.0	310.0	310.0	2257.0	180.0
79	9	1	6	(244)	3	3.10	285.0	300.0	300.0	180.0	344.0
79	9	1	7	(244)	3	2.20	285.0	350.0	350.0	414.0	558.0
79	9	1	8	(244)	3	2.70	285.0	5.0	5.0	648.0	771.0
79	9	1	9	(244)	2	3.60	288.0	5.0	5.0	881.0	984.0
79	9	1	10	(244)	4	3.60	292.0	18.0	18.0	1886.0	1886.0
79	9	1	11	(244)	4	6.70	294.0	15.0	15.0	1927.0	1927.0
79	9	1	12	(244)	4	8.90	295.0	19.0	19.0	1968.0	1968.0
79	9	1	13	(244)	5	11.20	296.0	22.0	22.0	1816.0	1837.0
79	9	1	14	(244)	4	10.30	296.0	20.0	20.0	2050.0	2050.0
79	9	1	15	(244)	4	9.40	296.0	24.0	24.0	2050.0	2050.0
79	9	1	16	(244)	4	8.50	297.0	18.0	18.0	2050.0	2050.0
79	9	1	17	(244)	4	10.30	296.0	22.0	22.0	2050.0	2050.0
79	9	1	18	(244)	4	8.90	296.0	20.0	20.0	2050.0	2050.0
79	9	1	19	(244)	4	5.80	294.0	17.0	17.0	2006.0	2006.0
79	9	1	20	(244)	4	8.00	293.0	14.0	14.0	1912.0	1912.0
79	9	1	21	(244)	4	7.60	292.0	16.0	16.0	1806.0	1806.0
79	9	1	22	(244)	4	7.10	292.0	19.0	19.0	1687.0	1687.0
79	9	1	23	(244)	5	7.60	291.0	23.0	23.0	1552.0	692.0
79	9	1	24	(244)	5	7.10	290.0	25.0	25.0	1398.0	390.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	2	1	(245)	5	5.40	290.0	36.0	36.0	2224.0	390.0
79	9	2	2	(245)	5	5.80	289.0	30.0	30.0	2251.0	390.0
79	9	2	3	(245)	5	4.00	288.0	15.0	15.0	2277.0	390.0
79	9	2	4	(245)	4	3.60	288.0	17.0	17.0	2304.0	2304.0
79	9	2	5	(245)	4	3.60	287.0	358.0	358.0	2330.0	2330.0
79	9	2	6	(245)	4	2.70	287.0	14.0	14.0	1377.0	1377.0
79	9	2	7	(245)	4	4.00	286.0	19.0	19.0	1319.0	1319.0
79	9	2	8	(245)	4	3.10	287.0	39.0	39.0	1260.0	1260.0
79	9	2	9	(245)	4	3.60	288.0	38.0	38.0	1202.0	1202.0
79	9	2	10	(245)	4	4.50	291.0	40.0	40.0	1143.0	1143.0
79	9	2	11	(245)	4	5.40	293.0	55.0	55.0	1085.0	1085.0
79	9	2	12	(245)	4	4.00	294.0	55.0	55.0	1027.0	1027.0
79	9	2	13	(245)	3	3.60	296.0	55.0	55.0	806.0	851.0
79	9	2	14	(245)	4	5.80	296.0	11.0	11.0	910.0	910.0
79	9	2	15	(245)	4	6.30	297.0	12.0	12.0	910.0	910.0
79	9	2	16	(245)	2	5.40	297.0	35.0	35.0	910.0	910.0
79	9	2	17	(245)	2	4.50	297.0	22.0	22.0	910.0	910.0
79	9	2	18	(245)	1	3.60	296.0	110.0	110.0	910.0	910.0
79	9	2	19	(245)	1	6.70	295.0	98.0	98.0	893.0	852.0
79	9	2	20	(245)	2	5.80	292.0	84.0	84.0	859.0	744.0
79	9	2	21	(245)	4	5.40	290.0	106.0	106.0	821.0	821.0
79	9	2	22	(245)	4	5.40	289.0	75.0	75.0	778.0	778.0
79	9	2	23	(245)	4	5.80	289.0	161.0	161.0	729.0	729.0
79	9	2	24	(245)	5	6.70	288.0	163.0	163.0	673.0	310.0
79	9	3	1	(246)	5	6.30	289.0	16.0	16.0	991.0	310.0
79	9	3	2	(246)	4	5.40	288.0	142.0	142.0	1003.0	1003.0
79	9	3	3	(246)	4	6.30	287.0	145.0	145.0	1015.0	1015.0
79	9	3	4	(246)	5	6.30	285.0	139.0	139.0	1027.0	310.0
79	9	3	5	(246)	3	4.50	285.0	136.0	136.0	1040.0	310.0
79	9	3	6	(246)	4	5.80	284.0	178.0	178.0	697.0	697.0
79	9	3	7	(246)	5	6.30	284.0	179.0	179.0	109.0	357.0
79	9	3	8	(246)	5	6.70	283.0	174.0	174.0	172.0	385.0
79	9	3	9	(246)	5	6.70	282.0	163.0	163.0	235.0	412.0
79	9	3	10	(246)	4	4.50	283.0	165.0	165.0	624.0	624.0
79	9	3	11	(246)	4	3.10	284.0	165.0	165.0	605.0	605.0
79	9	3	12	(246)	4	3.60	289.0	165.0	165.0	587.0	587.0
79	9	3	13	(246)	4	3.10	290.0	174.0	174.0	568.0	568.0
79	9	3	14	(246)	2	3.60	291.0	186.0	186.0	550.0	550.0
79	9	3	15	(246)	3	3.10	288.0	217.0	217.0	550.0	550.0
79	9	3	16	(246)	4	2.70	287.0	189.0	189.0	550.0	550.0
79	9	3	17	(246)	4	2.70	283.0	228.0	228.0	550.0	550.0
79	9	3	18	(246)	4	2.20	282.0	245.0	245.0	550.0	550.0
79	9	3	19	(246)	4	1.80	282.0	247.0	247.0	537.0	537.0
79	9	3	20	(246)	4	2.70	282.0	294.0	294.0	512.0	512.0
79	9	3	21	(246)	4	4.00	282.0	143.0	143.0	484.0	484.0
79	9	3	22	(246)	5	2.70	282.0	308.0	308.0	452.0	268.0
79	9	3	23	(246)	4	3.10	282.0	311.0	311.0	416.0	416.0
79	9	3	24	(246)	4	4.50	282.0	95.0	95.0	375.0	375.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	4	1	(247)	4	3.60	282.0	97.0	97.0	850.0	850.0
79	9	4	2	(247)	4	4.00	282.0	99.0	99.0	895.0	895.0
79	9	4	3	(247)	5	3.60	282.0	68.0	68.0	940.0	110.0
79	9	4	4	(247)	5	4.00	282.0	57.0	57.0	986.0	110.0
79	9	4	5	(247)	5	3.60	282.0	27.0	27.0	1031.0	110.0
79	9	4	6	(247)	5	4.00	282.0	12.0	12.0	81.0	182.0
79	9	4	7	(247)	4	3.60	282.0	8.0	8.0	839.0	839.0
79	9	4	8	(247)	4	2.70	281.0	23.0	23.0	862.0	862.0
79	9	4	9	(247)	4	3.10	283.0	15.0	15.0	885.0	885.0
79	9	4	10	(247)	1	2.70	285.0	48.0	48.0	541.0	591.0
79	9	4	11	(247)	1	3.60	288.0	56.0	56.0	655.0	693.0
79	9	4	12	(247)	1	5.40	290.0	65.0	65.0	770.0	796.0
79	9	4	13	(247)	2	4.50	290.0	54.0	54.0	885.0	898.0
79	9	4	14	(247)	3	3.10	296.0	67.0	67.0	1000.0	1000.0
79	9	4	15	(247)	2	3.60	298.0	52.0	52.0	1000.0	1000.0
79	9	4	16	(247)	4	3.10	300.0	63.0	63.0	1000.0	1000.0
79	9	4	17	(247)	4	3.60	300.0	57.0	57.0	1000.0	1000.0
79	9	4	18	(247)	4	4.90	300.0	88.0	88.0	1000.0	1000.0
79	9	4	19	(247)	4	3.10	297.0	84.0	84.0	972.0	972.0
79	9	4	20	(247)	5	3.60	296.0	77.0	77.0	921.0	746.0
79	9	4	21	(247)	4	4.90	294.0	79.0	79.0	864.0	864.0
79	9	4	22	(247)	4	6.30	294.0	109.0	109.0	800.0	800.0
79	9	4	23	(247)	4	5.80	294.0	87.0	87.0	727.0	727.0
79	9	4	24	(247)	1	5.40	294.0	59.0	59.0	644.0	110.0
79	9	5	1	(248)	3	3.60	294.0	55.0	55.0	1101.0	110.0
79	9	5	2	(248)	2	4.00	294.0	53.0	53.0	1117.0	110.0
79	9	5	3	(248)	1	3.10	293.0	82.0	82.0	1132.0	110.0
79	9	5	4	(248)	5	3.10	293.0	29.0	29.0	1147.0	110.0
79	9	5	5	(248)	4	4.50	292.0	28.0	28.0	1162.0	1162.0
79	9	5	6	(248)	3	3.60	292.0	21.0	21.0	32.0	134.0
79	9	5	7	(248)	2	3.10	291.0	294.0	294.0	80.0	168.0
79	9	5	8	(248)	4	2.70	291.0	294.0	294.0	590.0	590.0
79	9	5	9	(248)	4	2.20	291.0	294.0	294.0	560.0	560.0
79	9	5	10	(248)	3	1.30	292.0	294.0	294.0	221.0	272.0
79	9	5	11	(248)	3	2.00	292.0	272.0	272.0	268.0	306.0
79	9	5	12	(248)	3	2.20	291.0	317.0	317.0	316.0	341.0
79	9	5	13	(248)	4	0.90	294.0	271.0	271.0	440.0	440.0
79	9	5	14	(248)	3	2.20	293.0	3.0	3.0	410.0	410.0
79	9	5	15	(248)	3	3.60	296.0	349.0	349.0	410.0	410.0
79	9	5	16	(248)	2	4.00	296.0	347.0	347.0	410.0	410.0
79	9	5	17	(248)	3	4.50	295.0	13.0	13.0	410.0	410.0
79	9	5	18	(248)	4	5.80	293.0	16.0	16.0	410.0	410.0
79	9	5	19	(248)	4	4.90	291.0	12.0	12.0	403.0	403.0
79	9	5	20	(248)	4	5.40	289.0	9.0	9.0	391.0	391.0
79	9	5	21	(248)	4	3.60	289.0	347.0	347.0	377.0	377.0
79	9	5	22	(248)	4	3.10	288.0	13.0	13.0	362.0	362.0
9	9	5	23	(248)	5	4.50	288.0	19.0	19.0	345.0	237.0
9	9	5	24	(248)	5	3.60	288.0	8.0	8.0	326.0	200.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	6	1	(249)	4	4.00	288.0	7.0	7.0	640.0	640.0
79	9	6	2	(249)	5	4.50	288.0	13.0	13.0	675.0	200.0
79	9	6	3	(249)	5	4.90	288.0	2.0	2.0	710.0	200.0
79	9	6	4	(249)	5	4.50	288.0	8.0	8.0	744.0	200.0
79	9	6	5	(249)	5	4.50	288.0	14.0	14.0	779.0	200.0
79	9	6	6	(249)	5	4.50	288.0	284.0	284.0	67.0	252.0
79	9	6	7	(249)	5	4.50	288.0	25.0	25.0	169.0	330.0
79	9	6	8	(249)	5	4.50	288.0	43.0	43.0	270.0	409.0
79	9	6	9	(249)	5	4.50	288.0	43.0	43.0	372.0	487.0
79	9	6	10	(249)	4	4.50	291.0	43.0	43.0	784.0	784.0
79	9	6	11	(249)	4	5.40	297.0	43.0	43.0	808.0	808.0
79	9	6	12	(249)	2	5.80	298.0	43.0	43.0	677.0	723.0
79	9	6	13	(249)	4	7.10	300.0	73.0	73.0	856.0	856.0
79	9	6	14	(249)	4	6.70	301.0	71.0	71.0	880.0	880.0
79	9	6	15	(249)	4	7.60	302.0	68.0	68.0	880.0	880.0
79	9	6	16	(249)	4	7.10	301.0	66.0	66.0	880.0	880.0
79	9	6	17	(249)	4	6.70	300.0	63.0	63.0	880.0	880.0
79	9	6	18	(249)	4	6.30	298.0	64.0	64.0	880.0	880.0
79	9	6	19	(249)	4	4.50	294.0	51.0	51.0	854.0	854.0
79	9	6	20	(249)	4	3.60	291.0	53.0	53.0	812.0	812.0
79	9	6	21	(249)	4	1.80	290.0	112.0	112.0	766.0	766.0
79	9	6	22	(249)	5	3.60	288.0	234.0	234.0	713.0	408.0
79	9	6	23	(249)	3	2.70	286.0	225.0	225.0	653.0	279.0
79	9	6	24	(249)	5	1.80	286.0	211.0	211.0	585.0	150.0
79	9	7	1	(250)	3	1.80	286.0	163.0	163.0	1060.0	150.0
79	9	7	2	(250)	4	0.90	286.0	126.0	126.0	1087.0	1087.0
79	9	7	3	(250)	4	1.30	286.0	142.0	142.0	1114.0	1114.0
79	9	7	4	(250)	4	2.70	286.0	143.0	143.0	1141.0	1141.0
79	9	7	5	(250)	4	2.20	286.0	258.0	258.0	1168.0	1168.0
79	9	7	6	(250)	4	2.70	286.0	269.0	269.0	761.0	761.0
79	9	7	7	(250)	4	3.10	286.0	233.0	233.0	751.0	751.0
79	9	7	8	(250)	4	2.70	285.0	238.0	238.0	741.0	741.0
79	9	7	9	(250)	4	3.10	286.0	237.0	237.0	731.0	731.0
79	9	7	10	(250)	4	1.80	287.0	243.0	243.0	721.0	721.0
79	9	7	11	(250)	3	2.20	287.0	259.0	259.0	444.0	496.0
79	9	7	12	(250)	3	2.20	288.0	273.0	273.0	523.0	557.0
79	9	7	13	(250)	3	2.70	289.0	276.0	276.0	601.0	619.0
79	9	7	14	(250)	3	3.60	289.0	280.0	280.0	680.0	680.0
79	9	7	15	(250)	4	3.10	289.0	291.0	291.0	680.0	680.0
79	9	7	16	(250)	3	2.70	289.0	294.0	294.0	680.0	680.0
79	9	7	17	(250)	3	2.70	289.0	289.0	289.0	680.0	680.0
79	9	7	18	(250)	3	2.70	289.0	283.0	283.0	680.0	680.0
79	9	7	19	(250)	2	3.10	288.0	268.0	268.0	669.0	644.0
79	9	7	20	(250)	2	3.60	288.0	274.0	274.0	653.0	594.0
79	9	7	21	(250)	2	3.10	288.0	253.0	253.0	634.0	543.0
79	9	7	22	(250)	4	3.60	288.0	242.0	242.0	613.0	613.0
79	9	7	23	(250)	4	3.10	287.0	243.0	243.0	589.0	589.0
79	9	7	24	(250)	4	2.70	287.0	218.0	218.0	562.0	562.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	8	1	(251)	5	2.20	287.0	220.0	220.0	680.0	390.0
79	9	8	2	(251)	4	1.30	287.0	182.0	182.0	680.0	680.0
79	9	8	3	(251)	5	2.20	286.0	201.0	201.0	680.0	390.0
79	9	8	4	(251)	4	0.90	286.0	189.0	189.0	680.0	680.0
79	9	8	5	(251)	4	1.30	286.0	206.0	206.0	680.0	680.0
79	9	8	6	(251)	4	0.90	286.0	202.0	202.0	508.0	508.0
79	9	8	7	(251)	4	1.30	285.0	216.0	216.0	493.0	493.0
79	9	8	8	(251)	5	1.80	286.0	191.0	191.0	119.0	390.0
79	9	8	9	(251)	4	1.30	286.0	160.0	160.0	463.0	463.0
79	9	8	10	(251)	4	0.90	286.0	163.0	163.0	449.0	449.0
79	9	8	11	(251)	4	1.30	287.0	225.0	225.0	434.0	434.0
79	9	8	12	(251)	3	1.30	290.0	269.0	269.0	300.0	390.0
79	9	8	13	(251)	2	0.90	290.0	263.0	263.0	345.0	390.0
79	9	8	14	(251)	2	0.90	290.0	292.0	292.0	390.0	390.0
79	9	8	15	(251)	3	1.30	290.0	254.0	254.0	390.0	390.0
79	9	8	16	(251)	4	1.80	289.0	246.0	246.0	93.0	93.0
79	9	8	17	(251)	4	3.10	289.0	246.0	246.0	390.0	390.0
79	9	8	18	(251)	4	3.60	288.0	246.0	246.0	390.0	390.0
79	9	8	19	(251)	4	3.60	288.0	246.0	246.0	392.0	392.0
79	9	8	20	(251)	3	3.10	287.0	250.0	250.0	396.0	408.0
79	9	8	21	(251)	3	3.10	288.0	271.0	271.0	400.0	419.0
79	9	8	22	(251)	3	2.70	288.0	294.0	294.0	404.0	429.0
79	9	8	23	(251)	4	3.60	287.0	301.0	301.0	409.0	409.0
79	9	8	24	(251)	3	3.10	287.0	273.0	273.0	415.0	450.0
79	9	9	1	(252)	2	3.10	288.0	275.0	275.0	448.0	450.0
79	9	9	2	(252)	3	3.10	287.0	282.0	282.0	457.0	450.0
79	9	9	3	(252)	2	2.70	287.0	271.0	271.0	465.0	450.0
79	9	9	4	(252)	2	2.20	287.0	294.0	294.0	474.0	450.0
79	9	9	5	(252)	3	3.10	287.0	288.0	288.0	483.0	450.0
79	9	9	6	(252)	3	2.20	287.0	303.0	303.0	43.0	462.0
79	9	9	7	(252)	3	3.10	287.0	300.0	300.0	115.0	482.0
79	9	9	8	(252)	2	2.70	286.0	294.0	294.0	187.0	501.0
79	9	9	9	(252)	3	2.20	286.0	286.0	286.0	259.0	521.0
79	9	9	10	(252)	3	2.70	286.0	291.0	291.0	332.0	541.0
79	9	9	11	(252)	3	2.20	286.0	291.0	291.0	404.0	561.0
79	9	9	12	(252)	3	3.10	286.0	291.0	291.0	476.0	580.0
79	9	9	13	(252)	3	4.50	286.0	320.0	320.0	548.0	600.0
79	9	9	14	(252)	3	4.00	286.0	321.0	321.0	620.0	620.0
79	9	9	15	(252)	3	3.60	286.0	326.0	326.0	620.0	620.0
79	9	9	16	(252)	3	4.50	286.0	318.0	318.0	620.0	620.0
79	9	9	17	(252)	3	4.50	286.0	319.0	319.0	620.0	620.0
79	9	9	18	(252)	3	4.00	286.0	311.0	311.0	620.0	620.0
79	9	9	19	(252)	3	3.60	286.0	312.0	312.0	599.0	551.0
79	9	9	20	(252)	3	4.00	286.0	319.0	319.0	569.0	461.0
79	9	9	21	(252)	3	3.60	286.0	318.0	318.0	535.0	371.0
79	9	9	22	(252)	3	3.10	286.0	333.0	333.0	498.0	280.0
79	9	9	23	(252)	3	3.10	286.0	8.0	8.0	455.0	190.0
79	9	9	24	(252)	4	2.70	286.0	12.0	12.0	406.0	406.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	10	1	(253)	3	2.70	286.0	27.0	27.0	1025.0	100.0
79	9	10	2	(253)	4	2.70	286.0	58.0	58.0	1085.0	1085.0
79	9	10	3	(253)	4	2.20	286.0	94.0	94.0	1144.0	1144.0
79	9	10	4	(253)	3	1.80	286.0	158.0	158.0	1204.0	100.0
79	9	10	5	(253)	4	1.30	286.0	3.0	3.0	1264.0	1264.0
79	9	10	6	(253)	3	1.80	286.0	54.0	54.0	86.0	179.0
79	9	10	7	(253)	4	1.30	286.0	73.0	73.0	1047.0	1047.0
79	9	10	8	(253)	4	1.30	286.0	73.0	73.0	1080.0	1080.0
79	9	10	9	(253)	4	1.30	290.0	73.0	73.0	1113.0	1113.0
79	9	10	10	(253)	4	2.20	290.0	244.0	244.0	1147.0	1147.0
79	9	10	11	(253)	3	2.70	291.0	287.0	287.0	832.0	867.0
79	9	10	12	(253)	3	3.10	293.0	309.0	309.0	981.0	1005.0
79	9	10	13	(253)	3	2.70	294.0	326.0	326.0	1131.0	1142.0
79	9	10	14	(253)	3	2.20	294.0	318.0	318.0	1280.0	1280.0
79	9	10	15	(253)	3	2.70	295.0	334.0	334.0	1280.0	1280.0
79	9	10	16	(253)	1	4.00	295.0	41.0	41.0	1280.0	1280.0
79	9	10	17	(253)	1	6.70	293.0	27.0	27.0	1280.0	1280.0
79	9	10	18	(253)	1	7.60	293.0	80.0	80.0	1280.0	1280.0
79	9	10	19	(253)	2	8.50	292.0	271.0	271.0	1234.0	1131.0
79	9	10	20	(253)	2	7.10	290.0	213.0	213.0	1172.0	945.0
79	9	10	21	(253)	1	3.10	290.0	214.0	214.0	1102.0	759.0
79	9	10	22	(253)	1	2.70	288.0	7.0	7.0	1023.0	572.0
79	9	10	23	(253)	1	2.20	289.0	329.0	329.0	934.0	386.0
79	9	10	24	(253)	1	2.70	288.0	321.0	321.0	832.0	200.0
79	9	11	1	(254)	3	4.90	288.0	355.0	355.0	1714.0	200.0
79	9	11	2	(254)	3	5.40	288.0	343.0	343.0	1778.0	200.0
79	9	11	3	(254)	1	4.90	287.0	246.0	246.0	1841.0	200.0
79	9	11	4	(254)	1	4.00	287.0	320.0	320.0	1905.0	200.0
79	9	11	5	(254)	1	3.60	287.0	53.0	53.0	1968.0	200.0
79	9	11	6	(254)	1	3.10	287.0	214.0	214.0	95.0	282.0
79	9	11	7	(254)	1	4.50	287.0	303.0	303.0	265.0	429.0
79	9	11	8	(254)	3	2.70	287.0	296.0	296.0	436.0	576.0
79	9	11	9	(254)	3	2.70	287.0	294.0	294.0	607.0	723.0
79	9	11	10	(254)	3	3.10	288.0	323.0	323.0	777.0	871.0
79	9	11	11	(254)	2	3.60	289.0	349.0	349.0	948.0	1018.0
79	9	11	12	(254)	2	4.50	291.0	351.0	351.0	1119.0	1165.0
79	9	11	13	(254)	2	4.00	292.0	204.0	204.0	1289.0	1313.0
79	9	11	14	(254)	1	3.10	293.0	271.0	271.0	1460.0	1460.0
79	9	11	15	(254)	1	3.60	292.0	324.0	324.0	1460.0	1460.0
79	9	11	16	(254)	2	4.50	292.0	199.0	199.0	5483.0	1460.0
79	9	11	17	(254)	4	3.10	290.0	199.0	199.0	1460.0	1460.0
79	9	11	18	(254)	5	4.90	290.0	199.0	199.0	1460.0	1460.0
79	9	11	19	(254)	5	7.10	290.0	199.0	199.0	1424.0	1344.0
79	9	11	20	(254)	5	7.60	288.0	210.0	210.0	1377.0	1205.0
79	9	11	21	(254)	5	7.60	287.0	206.0	206.0	1325.0	1066.0
79	9	11	22	(254)	5	7.60	287.0	202.0	202.0	1266.0	928.0
79	9	11	23	(254)	5	7.60	287.0	210.0	210.0	1199.0	789.0
79	9	11	24	(254)	5	7.60	287.0	219.0	219.0	1122.0	650.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	12	1	(255)	5	7.60	285.0	211.0	211.0	1505.0	650.0
79	9	12	2	(255)	5	7.60	284.0	201.0	201.0	1511.0	650.0
79	9	12	3	(255)	5	7.60	284.0	212.0	212.0	1518.0	650.0
79	9	12	4	(255)	5	7.60	283.0	208.0	208.0	1525.0	650.0
79	9	12	5	(255)	5	7.60	283.0	227.0	227.0	1531.0	650.0
79	9	12	6	(255)	5	7.60	283.0	235.0	235.0	49.0	658.0
79	9	12	7	(255)	5	7.60	282.0	236.0	236.0	140.0	673.0
79	9	12	8	(255)	5	7.60	282.0	228.0	228.0	231.0	689.0
79	9	12	9	(255)	5	7.60	282.0	230.0	230.0	323.0	704.0
79	9	12	10	(255)	5	7.60	282.0	232.0	232.0	414.0	719.0
79	9	12	11	(255)	5	7.60	281.0	232.0	232.0	506.0	734.0
79	9	12	12	(255)	5	7.60	281.0	228.0	228.0	597.0	750.0
79	9	12	13	(255)	5	7.60	281.0	231.0	231.0	689.0	765.0
79	9	12	14	(255)	5	7.60	279.0	234.0	234.0	780.0	780.0
79	9	12	15	(255)	5	7.60	279.0	231.0	231.0	780.0	780.0
79	9	12	16	(255)	5	7.60	279.0	231.0	231.0	780.0	780.0
79	9	12	17	(255)	5	7.60	279.0	241.0	241.0	780.0	780.0
79	9	12	18	(255)	5	7.60	279.0	230.0	230.0	780.0	780.0
79	9	12	19	(255)	5	7.60	279.0	228.0	228.0	767.0	739.0
79	9	12	20	(255)	5	7.60	279.0	229.0	229.0	751.0	691.0
79	9	12	21	(255)	4	7.60	279.0	240.0	240.0	733.0	733.0
79	9	12	22	(255)	4	7.60	279.0	240.0	240.0	712.0	712.0
79	9	12	23	(255)	4	7.60	279.0	245.0	245.0	689.0	689.0
79	9	12	24	(255)	4	7.60	279.0	235.0	235.0	663.0	663.0
79	9	13	1	(256)	4	7.60	279.0	240.0	240.0	780.0	780.0
79	9	13	2	(256)	4	7.60	279.0	240.0	240.0	780.0	780.0
79	9	13	3	(256)	4	7.60	279.0	245.0	245.0	780.0	780.0
79	9	13	4	(256)	4	7.60	279.0	240.0	240.0	780.0	780.0
79	9	13	5	(256)	4	7.60	279.0	240.0	240.0	780.0	780.0
79	9	13	6	(256)	4	7.60	279.0	238.0	238.0	613.0	613.0
79	9	13	7	(256)	4	7.60	279.0	240.0	240.0	598.0	598.0
79	9	13	8	(256)	4	7.60	279.0	235.0	235.0	584.0	584.0
79	9	13	9	(256)	4	7.60	279.0	242.0	242.0	570.0	570.0
79	9	13	10	(256)	1	7.60	279.0	275.0	275.0	265.0	500.0
79	9	13	11	(256)	2	7.60	279.0	280.0	280.0	324.0	500.0
79	9	13	12	(256)	2	7.60	279.0	280.0	280.0	382.0	500.0
79	9	13	13	(256)	2	7.60	279.0	290.0	290.0	441.0	500.0
79	9	13	14	(256)	2	7.60	279.0	295.0	295.0	500.0	500.0
79	9	13	15	(256)	2	7.60	279.0	285.0	285.0	500.0	500.0
79	9	13	16	(256)	2	7.60	279.0	280.0	280.0	500.0	500.0
79	9	13	17	(256)	2	7.60	279.0	275.0	275.0	500.0	500.0
79	9	13	18	(256)	2	7.60	279.0	270.0	270.0	500.0	500.0
79	9	13	19	(256)	2	7.60	279.0	275.0	275.0	484.0	448.0
79	9	13	20	(256)	2	7.60	279.0	295.0	295.0	464.0	390.0
79	9	13	21	(256)	2	7.60	279.0	275.0	275.0	442.0	333.0
79	9	13	22	(256)	1	7.60	279.0	280.0	280.0	417.0	275.0
79	9	13	23	(256)	1	7.60	279.0	290.0	290.0	389.0	218.0
79	9	13	24	(256)	2	7.60	279.0	295.0	295.0	357.0	160.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	14	1	(257)	3	7.60	279.0	280.0	280.0	639.0	160.0
79	9	14	2	(257)	2	7.60	279.0	305.0	305.0	659.0	160.0
79	9	14	3	(257)	1	7.60	279.0	135.0	135.0	679.0	160.0
79	9	14	4	(257)	1	7.60	279.0	292.0	292.0	699.0	160.0
79	9	14	5	(257)	2	7.60	279.0	280.0	280.0	719.0	160.0
79	9	14	6	(257)	2	7.60	279.0	275.0	275.0	32.0	183.0
79	9	14	7	(257)	2	7.60	279.0	290.0	290.0	98.0	230.0
79	9	14	8	(257)	2	7.60	279.0	355.0	355.0	164.0	277.0
79	9	14	9	(257)	3	7.60	279.0	350.0	350.0	230.0	324.0
79	9	14	10	(257)	3	7.60	279.0	32.0	32.0	296.0	372.0
79	9	14	11	(257)	4	7.60	279.0	60.0	60.0	551.0	551.0
79	9	14	12	(257)	4	7.60	279.0	88.0	88.0	554.0	554.0
79	9	14	13	(257)	4	7.60	279.0	80.0	80.0	557.0	557.0
79	9	14	14	(257)	1	7.60	279.0	82.0	82.0	560.0	560.0
79	9	14	15	(257)	1	7.60	279.0	80.0	80.0	560.0	560.0
79	9	14	16	(257)	1	7.60	279.0	90.0	90.0	560.0	560.0
79	9	14	17	(257)	2	7.60	279.0	72.0	72.0	560.0	560.0
79	9	14	18	(257)	3	7.60	279.0	75.0	75.0	560.0	560.0
79	9	14	19	(257)	3	7.60	279.0	75.0	75.0	542.0	502.0
79	9	14	20	(257)	4	7.60	279.0	80.0	80.0	520.0	520.0
79	9	14	21	(257)	2	7.60	279.0	75.0	75.0	496.0	377.0
79	9	14	22	(257)	4	7.60	279.0	55.0	55.0	469.0	469.0
79	9	14	23	(257)	4	7.60	279.0	65.0	65.0	438.0	438.0
79	9	14	24	(257)	4	7.60	279.0	55.0	55.0	403.0	403.0
79	9	15	1	(258)	4	7.60	279.0	65.0	65.0	1080.0	1080.0
79	9	15	2	(258)	4	7.60	279.0	70.0	70.0	1155.0	1155.0
79	9	15	3	(258)	4	7.60	279.0	72.0	72.0	1229.0	1229.0
79	9	15	4	(258)	4	7.60	279.0	68.0	68.0	1304.0	1304.0
79	9	15	5	(258)	3	7.60	279.0	66.0	66.0	1379.0	190.0
79	9	15	6	(258)	4	7.60	279.0	55.0	55.0	1231.0	1231.0
79	9	15	7	(258)	4	7.60	279.0	50.0	50.0	1287.0	1287.0
79	9	15	8	(258)	4	7.60	279.0	50.0	50.0	1344.0	1344.0
79	9	15	9	(258)	4	7.60	279.0	48.0	48.0	1400.0	1400.0
79	9	15	10	(258)	4	7.60	279.0	55.0	55.0	1456.0	1456.0
79	9	15	11	(258)	4	7.60	279.0	72.0	72.0	1512.0	1512.0
79	9	15	12	(258)	4	7.60	279.0	80.0	80.0	1568.0	1568.0
79	9	15	13	(258)	1	7.60	279.0	85.0	85.0	1482.0	1504.0
79	9	15	14	(258)	1	7.60	279.0	95.0	95.0	1680.0	1680.0
79	9	15	15	(258)	1	7.60	279.0	110.0	110.0	1680.0	1680.0
79	9	15	16	(258)	1	7.60	279.0	85.0	85.0	1680.0	1680.0
79	9	15	17	(258)	1	7.60	279.0	95.0	95.0	1680.0	1680.0
79	9	15	18	(258)	1	7.60	279.0	105.0	105.0	1680.0	1680.0
79	9	15	19	(258)	1	7.60	279.0	121.0	121.0	1602.0	1431.0
79	9	15	20	(258)	2	7.60	279.0	110.0	110.0	1512.0	1175.0
79	9	15	21	(258)	3	7.60	279.0	130.0	130.0	1413.0	919.0
79	9	15	22	(258)	4	7.60	279.0	120.0	120.0	1300.0	1300.0
79	9	15	23	(258)	4	7.60	279.0	85.0	85.0	1173.0	1173.0
79	9	15	24	(258)	4	7.60	279.0	141.0	141.0	1027.0	1027.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	16	1	(259)	5	7.60	279.0	140.0	140.0	2055.0	150.0
79	9	16	2	(259)	4	7.60	279.0	110.0	110.0	2108.0	2108.0
79	9	16	3	(259)	5	7.60	279.0	100.0	100.0	2162.0	150.0
79	9	16	4	(259)	4	7.60	279.0	115.0	115.0	2215.0	2215.0
79	9	16	5	(259)	4	7.60	279.0	110.0	110.0	2269.0	2269.0
79	9	16	6	(259)	4	7.60	279.0	110.0	110.0	1404.0	1404.0
79	9	16	7	(259)	5	7.60	279.0	95.0	95.0	209.0	333.0
79	9	16	8	(259)	1	7.60	279.0	20.0	20.0	353.0	460.0
79	9	16	9	(259)	1	7.60	279.0	270.0	270.0	498.0	586.0
79	9	16	10	(259)	1	7.60	279.0	310.0	310.0	642.0	713.0
79	9	16	11	(259)	1	7.60	279.0	315.0	315.0	787.0	840.0
79	9	16	12	(259)	1	7.60	279.0	310.0	310.0	931.0	967.0
79	9	16	13	(259)	1	7.60	279.0	310.0	310.0	1076.0	1093.0
79	9	16	14	(259)	1	7.60	279.0	315.0	315.0	1220.0	1220.0
79	9	16	15	(259)	2	7.60	279.0	350.0	350.0	1220.0	1220.0
79	9	16	16	(259)	4	7.60	279.0	310.0	310.0	1220.0	1220.0
79	9	16	17	(259)	3	7.60	279.0	305.0	305.0	1220.0	1220.0
79	9	16	18	(259)	3	7.60	279.0	295.0	295.0	1220.0	1219.0
79	9	16	19	(259)	3	7.60	279.0	280.0	280.0	1189.0	1123.0
79	9	16	20	(259)	1	7.60	279.0	290.0	290.0	1155.0	1026.0
79	9	16	21	(259)	3	7.60	279.0	330.0	330.0	1117.0	930.0
79	9	16	22	(259)	2	7.60	279.0	280.0	280.0	1075.0	833.0
79	9	16	23	(259)	2	7.60	279.0	260.0	260.0	1026.0	737.0
79	9	16	24	(259)	4	7.60	279.0	270.0	270.0	971.0	971.0
79	9	17	1	(260)	3	7.60	279.0	275.0	275.0	1294.0	640.0
79	9	17	2	(260)	2	7.60	279.0	285.0	285.0	1304.0	640.0
79	9	17	3	(260)	4	7.60	279.0	160.0	160.0	1315.0	1315.0
79	9	17	4	(260)	5	7.60	279.0	175.0	175.0	1325.0	640.0
79	9	17	5	(260)	5	7.60	279.0	170.0	170.0	1336.0	640.0
79	9	17	6	(260)	5	7.60	279.0	160.0	160.0	43.0	651.0
79	9	17	7	(260)	5	7.60	279.0	165.0	165.0	144.0	675.0
79	9	17	8	(260)	3	7.60	279.0	150.0	150.0	244.0	700.0
79	9	17	9	(260)	4	7.60	279.0	155.0	155.0	942.0	942.0
79	9	17	10	(260)	5	7.60	279.0	165.0	165.0	446.0	750.0
79	9	17	11	(260)	5	7.60	279.0	185.0	185.0	547.0	775.0
79	9	17	12	(260)	5	7.60	279.0	165.0	165.0	648.0	800.0
79	9	17	13	(260)	5	7.60	279.0	175.0	175.0	749.0	825.0
79	9	17	14	(260)	5	7.60	279.0	220.0	220.0	850.0	850.0
79	9	17	15	(260)	4	7.60	279.0	220.0	220.0	850.0	850.0
79	9	17	16	(260)	4	7.60	279.0	230.0	230.0	850.0	850.0
79	9	17	17	(260)	4	7.60	285.0	235.0	235.0	850.0	850.0
79	9	17	18	(260)	4	7.60	284.0	225.0	225.0	849.0	849.0
79	9	17	19	(260)	5	7.60	281.0	220.0	220.0	836.0	807.0
79	9	17	20	(260)	5	7.60	280.0	240.0	240.0	822.0	766.0
79	9	17	21	(260)	4	7.60	279.0	260.0	260.0	805.0	805.0
79	9	17	22	(260)	4	7.60	278.0	245.0	245.0	787.0	787.0
79	9	17	23	(260)	4	7.60	279.0	240.0	240.0	766.0	766.0
79	9	17	24	(260)	4	7.60	278.0	240.0	240.0	742.0	742.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	18	1	(261)	4	7.60	278.0	240.0	240.0	850.0	850.0
79	9	18	2	(261)	4	7.60	279.0	245.0	245.0	850.0	850.0
79	9	18	3	(261)	4	7.60	279.0	245.0	245.0	850.0	850.0
79	9	18	4	(261)	4	7.60	280.0	235.0	235.0	850.0	850.0
79	9	18	5	(261)	5	7.60	279.0	230.0	230.0	850.0	600.0
79	9	18	6	(261)	5	7.60	279.0	235.0	235.0	29.0	600.0
79	9	18	7	(261)	5	7.60	279.0	240.0	240.0	100.0	600.0
79	9	18	8	(261)	5	7.60	279.0	230.0	230.0	171.0	600.0
79	9	18	9	(261)	5	7.60	279.0	235.0	235.0	243.0	600.0
79	9	18	10	(261)	5	7.60	279.0	235.0	235.0	314.0	600.0
79	9	18	11	(261)	5	7.60	280.0	245.0	245.0	386.0	600.0
79	9	18	12	(261)	5	7.60	280.0	240.0	240.0	457.0	600.0
79	9	18	13	(261)	2	7.60	280.0	250.0	250.0	529.0	600.0
79	9	18	14	(261)	2	7.60	280.0	250.0	250.0	600.0	600.0
79	9	18	15	(261)	2	7.60	280.0	273.0	273.0	600.0	600.0
79	9	18	16	(261)	2	7.60	280.0	266.0	266.0	600.0	600.0
79	9	18	17	(261)	2	7.60	280.0	247.0	247.0	600.0	600.0
79	9	18	18	(261)	3	7.60	280.0	259.0	259.0	598.0	598.0
79	9	18	19	(261)	2	7.60	280.0	259.0	259.0	589.0	565.0
79	9	18	20	(261)	5	7.60	280.0	259.0	259.0	577.0	532.0
79	9	18	21	(261)	4	5.80	280.0	265.0	265.0	564.0	564.0
79	9	18	22	(261)	2	5.40	280.0	247.0	247.0	549.0	466.0
79	9	18	23	(261)	2	4.90	280.0	281.0	281.0	532.0	433.0
79	9	18	24	(261)	2	5.40	280.0	287.0	287.0	513.0	400.0
79	9	19	1	(262)	2	5.40	280.0	285.0	285.0	812.0	400.0
79	9	19	2	(262)	2	4.50	280.0	287.0	287.0	842.0	400.0
79	9	19	3	(262)	2	4.90	280.0	294.0	294.0	872.0	400.0
79	9	19	4	(262)	3	4.00	280.0	289.0	289.0	902.0	400.0
79	9	19	5	(262)	3	4.90	280.0	308.0	308.0	931.0	400.0
79	9	19	6	(262)	3	4.50	280.0	297.0	297.0	45.0	427.0
79	9	19	7	(262)	3	5.40	280.0	314.0	314.0	165.0	499.0
79	9	19	8	(262)	3	4.90	280.0	300.0	300.0	284.0	570.0
79	9	19	9	(262)	3	4.50	280.0	297.0	297.0	403.0	642.0
79	9	19	10	(262)	3	5.80	280.0	328.0	328.0	523.0	714.0
79	9	19	11	(262)	2	5.40	280.0	328.0	328.0	642.0	785.0
79	9	19	12	(262)	3	4.90	280.0	332.0	332.0	761.0	857.0
79	9	19	13	(262)	2	5.80	280.0	327.0	327.0	881.0	928.0
79	9	19	14	(262)	2	5.40	280.0	335.0	335.0	1000.0	1000.0
79	9	19	15	(262)	3	4.00	280.0	360.0	360.0	1000.0	1000.0
79	9	19	16	(262)	4	3.60	280.0	44.0	44.0	1000.0	1000.0
79	9	19	17	(262)	3	3.10	280.0	13.0	13.0	1000.0	1000.0
79	9	19	18	(262)	3	2.70	280.0	326.0	326.0	997.0	990.0
79	9	19	19	(262)	3	3.60	280.0	287.0	287.0	966.0	895.0
79	9	19	20	(262)	3	2.70	280.0	284.0	284.0	932.0	800.0
79	9	19	21	(262)	3	1.80	280.0	333.0	333.0	894.0	705.0
79	9	19	22	(262)	5	2.20	280.0	61.0	61.0	851.0	610.0
79	9	19	23	(262)	4	3.10	280.0	97.0	97.0	802.0	802.0
79	9	19	24	(262)	3	5.40	280.0	123.0	123.0	747.0	420.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	20	1	(263)	3	4.90	280.0	128.0	128.0	1032.0	420.0
79	9	20	2	(263)	1	5.80	280.0	147.0	147.0	1036.0	420.0
79	9	20	3	(263)	1	6.70	280.0	143.0	143.0	1041.0	420.0
79	9	20	4	(263)	1	4.00	280.0	185.0	185.0	1045.0	420.0
79	9	20	5	(263)	4	4.00	280.0	127.0	127.0	1050.0	1050.0
79	9	20	6	(263)	4	4.00	280.0	131.0	131.0	705.0	705.0
79	9	20	7	(263)	4	4.00	280.0	133.0	133.0	680.0	680.0
79	9	20	8	(263)	4	4.00	280.0	130.0	130.0	656.0	656.0
79	9	20	9	(263)	3	4.00	280.0	141.0	141.0	205.0	456.0
79	9	20	10	(263)	4	4.00	284.0	135.0	135.0	607.0	607.0
79	9	20	11	(263)	4	4.00	284.0	149.0	149.0	583.0	583.0
79	9	20	12	(263)	4	4.00	284.0	150.0	150.0	559.0	559.0
79	9	20	13	(263)	4	4.90	284.0	157.0	157.0	534.0	534.0
79	9	20	14	(263)	4	4.50	284.0	141.0	141.0	510.0	510.0
79	9	20	15	(263)	4	3.10	284.0	158.0	158.0	510.0	510.0
79	9	20	16	(263)	4	2.70	285.0	155.0	155.0	510.0	510.0
79	9	20	17	(263)	5	3.10	285.0	99.0	99.0	510.0	510.0
79	9	20	18	(263)	4	3.10	284.0	123.0	123.0	510.0	510.0
79	9	20	19	(263)	4	4.90	284.0	121.0	121.0	506.0	506.0
79	9	20	20	(263)	4	5.40	284.0	136.0	136.0	503.0	503.0
79	9	20	21	(263)	4	4.50	282.0	112.0	112.0	494.0	494.0
79	9	20	22	(263)	2	4.00	282.0	97.0	97.0	489.0	460.0
79	9	20	23	(263)	3	4.50	282.0	84.0	84.0	484.0	450.0
79	9	20	24	(263)	2	4.00	282.0	78.0	78.0	1032.0	420.0
79	9	21	1	(264)	3	4.00	282.0	80.0	80.0	996.0	450.0
79	9	21	2	(264)	4	4.50	282.0	84.0	84.0	1056.0	1056.0
79	9	21	3	(264)	4	5.40	281.0	86.0	86.0	1115.0	1115.0
79	9	21	4	(264)	4	4.90	281.0	123.0	123.0	1175.0	1175.0
79	9	21	5	(264)	4	4.90	281.0	108.0	108.0	1198.0	1198.0
79	9	21	6	(264)	3	4.90	281.0	103.0	103.0	264.0	642.0
79	9	21	7	(264)	2	4.90	281.0	117.0	117.0	462.0	786.0
79	9	21	8	(264)	3	4.90	281.0	122.0	122.0	660.0	930.0
79	9	21	9	(264)	3	4.90	281.0	131.0	131.0	858.0	1074.0
79	9	21	10	(264)	3	4.90	281.0	119.0	119.0	1056.0	1218.0
79	9	21	11	(264)	3	4.90	281.0	126.0	126.0	1254.0	1362.0
79	9	21	12	(264)	1	4.90	281.0	126.0	126.0	1452.0	1506.0
79	9	21	13	(264)	1	4.90	281.0	126.0	126.0	1650.0	1650.0
79	9	21	14	(264)	4	4.90	281.0	126.0	126.0	1650.0	1650.0
79	9	21	15	(264)	4	4.90	281.0	126.0	126.0	1650.0	1650.0
79	9	21	16	(264)	4	4.90	281.0	126.0	126.0	1650.0	1650.0
79	9	21	17	(264)	4	4.90	281.0	126.0	126.0	1636.0	1636.0
79	9	21	18	(264)	3	3.90	283.0	126.0	126.0	1551.0	1345.0
79	9	21	19	(264)	3	3.00	281.0	134.0	134.0	1456.0	1086.0
79	9	21	20	(264)	5	3.50	280.0	115.0	115.0	1351.0	827.0
79	9	21	21	(264)	5	2.80	279.0	92.0	92.0	1232.0	568.0
79	9	21	22	(264)	5	2.80	278.0	92.0	92.0	1098.0	309.0
79	9	21	23	(264)	5	2.90	278.0	94.0	94.0	944.0	50.0
79	9	21	24	(264)	5	2.90	277.0	106.0	106.0	937.0	450.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	22	1	(265)	4	3.20	277.0	105.0	105.0	2564.0	2564.0
79	9	22	2	(265)	4	3.00	276.0	104.0	104.0	2676.0	2676.0
79	9	22	3	(265)	4	3.70	276.0	103.0	103.0	2787.0	2787.0
79	9	22	4	(265)	4	3.90	276.0	114.0	114.0	2898.0	2898.0
79	9	22	5	(265)	4	3.90	276.0	115.0	115.0	2043.0	2043.0
79	9	22	6	(265)	4	2.60	276.0	115.0	115.0	2075.0	2075.0
79	9	22	7	(265)	4	3.60	276.0	93.0	93.0	2107.0	2107.0
79	9	22	8	(265)	4	3.10	276.0	96.0	96.0	2139.0	2139.0
79	9	22	9	(265)	3	1.80	276.0	27.0	27.0	1193.0	1217.0
79	9	22	10	(265)	2	2.50	287.0	45.0	45.0	1470.0	1488.0
79	9	22	11	(265)	3	3.10	288.0	33.0	33.0	1747.0	1759.0
79	9	22	12	(265)	3	3.20	288.0	20.0	20.0	2023.0	2029.0
79	9	22	13	(265)	2	3.70	289.0	18.0	18.0	2300.0	2300.0
79	9	22	14	(265)	4	3.80	290.0	15.0	15.0	2300.0	2300.0
79	9	22	15	(265)	4	3.80	289.0	23.0	23.0	2300.0	2300.0
79	9	22	16	(265)	5	4.50	287.0	21.0	21.0	2300.0	2300.0
79	9	22	17	(265)	5	5.80	283.0	352.0	352.0	2276.0	2223.0
79	9	22	18	(265)	5	6.30	280.0	353.0	353.0	2156.0	1861.0
79	9	22	19	(265)	4	6.70	280.0	4.0	4.0	2023.0	2023.0
79	9	22	20	(265)	4	6.30	279.0	5.0	5.0	1875.0	1875.0
79	9	22	21	(265)	5	5.80	279.0	360.0	360.0	1708.0	774.0
79	9	22	22	(265)	3	5.40	278.0	3.0	3.0	1518.0	412.0
79	9	22	23	(265)	4	3.60	277.0	345.0	345.0	1301.0	1301.0
79	9	22	24	(265)	4	3.60	277.0	294.0	294.0	2453.0	2453.0
79	9	23	1	(266)	4	3.10	275.0	278.0	278.0	2842.0	2842.0
79	9	23	2	(266)	4	3.60	274.0	317.0	317.0	2907.0	2907.0
79	9	23	3	(266)	4	3.60	275.0	277.0	277.0	2973.0	2973.0
79	9	23	4	(266)	5	4.00	275.0	262.0	262.0	3039.0	50.0
79	9	23	5	(266)	5	4.50	275.0	297.0	297.0	48.0	97.0
79	9	23	6	(266)	5	3.80	277.0	282.0	282.0	215.0	257.0
79	9	23	7	(266)	3	4.30	279.0	13.0	13.0	381.0	417.0
79	9	23	8	(266)	4	3.30	281.0	11.0	11.0	1607.0	1607.0
79	9	23	9	(266)	4	5.00	285.0	23.0	23.0	1562.0	1562.0
79	9	23	10	(266)	4	5.10	288.0	24.0	24.0	1516.0	1516.0
79	9	23	11	(266)	4	6.30	290.0	21.0	21.0	1471.0	1471.0
79	9	23	12	(266)	4	6.30	290.0	22.0	22.0	1425.0	1425.0
79	9	23	13	(266)	4	8.50	281.0	17.0	17.0	1380.0	1380.0
79	9	23	14	(266)	5	7.80	291.0	18.0	18.0	1380.0	1380.0
79	9	23	15	(266)	4	7.10	291.0	20.0	20.0	1380.0	1380.0
79	9	23	16	(266)	5	7.00	291.0	23.0	23.0	1380.0	1380.0
79	9	23	17	(266)	5	5.10	289.0	20.0	20.0	1365.0	1331.0
79	9	23	18	(266)	5	5.20	287.0	13.0	13.0	1299.0	1134.0
79	9	23	19	(266)	4	5.40	287.0	3.0	3.0	1226.0	1226.0
79	9	23	20	(266)	4	5.80	287.0	26.0	26.0	1145.0	1145.0
79	9	23	21	(266)	5	4.90	287.0	29.0	29.0	1053.0	544.0
79	9	23	22	(266)	4	4.40	280.0	77.0	77.0	950.0	950.0
79	9	23	23	(266)	4	4.30	280.0	331.0	331.0	831.0	831.0
79	9	23	24	(266)	4	4.40	280.0	318.0	318.0	2776.0	2776.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	24	1	(267)	4	4.60	279.0	317.0	317.0	1911.0	1911.0
79	9	24	2	(267)	4	4.30	279.0	353.0	353.0	1975.0	1975.0
79	9	24	3	(267)	4	3.80	279.0	343.0	343.0	2039.0	2039.0
79	9	24	4	(267)	5	2.90	278.0	121.0	121.0	2103.0	150.0
79	9	24	5	(267)	5	4.90	278.0	29.0	29.0	47.0	192.0
79	9	24	6	(267)	5	7.10	280.0	89.0	89.0	222.0	349.0
79	9	24	7	(267)	2	7.60	283.0	99.0	99.0	398.0	507.0
79	9	24	8	(267)	2	6.50	286.0	106.0	106.0	573.0	664.0
79	9	24	9	(267)	2	4.30	289.0	106.0	106.0	749.0	821.0
79	9	24	10	(267)	3	5.00	290.0	129.0	129.0	924.0	978.0
79	9	24	11	(267)	4	5.50	292.0	130.0	130.0	1443.0	1443.0
79	9	24	12	(267)	3	5.70	293.0	122.0	122.0	1275.0	1293.0
79	9	24	13	(267)	1	7.20	294.0	125.0	125.0	1450.0	1450.0
79	9	24	14	(267)	1	7.70	293.0	132.0	132.0	1450.0	1450.0
79	9	24	15	(267)	3	9.60	293.0	121.0	121.0	1450.0	1450.0
79	9	24	16	(267)	2	8.20	292.0	132.0	132.0	1450.0	1450.0
79	9	24	17	(267)	4	6.60	290.0	136.0	136.0	1432.0	1432.0
79	9	24	18	(267)	4	5.90	287.0	141.0	141.0	1364.0	1364.0
79	9	24	19	(267)	4	6.60	285.0	139.0	139.0	1289.0	1289.0
79	9	24	20	(267)	5	5.50	284.0	155.0	155.0	1205.0	787.0
79	9	24	21	(267)	5	5.20	283.0	160.0	160.0	1110.0	584.0
79	9	24	22	(267)	4	4.20	282.0	132.0	132.0	1003.0	1003.0
79	9	24	23	(267)	4	4.70	281.0	117.0	117.0	880.0	880.0
79	9	24	24	(267)	4	4.60	280.0	126.0	126.0	1847.0	1847.0
79	9	25	1	(268)	4	4.40	280.0	140.0	140.0	1966.0	1966.0
79	9	25	2	(268)	4	4.10	279.0	119.0	119.0	2028.0	2028.0
79	9	25	3	(268)	4	4.70	278.0	127.0	127.0	2090.0	2090.0
79	9	25	4	(268)	4	5.00	278.0	138.0	138.0	2152.0	2152.0
79	9	25	5	(268)	4	4.70	277.0	129.0	129.0	1444.0	1444.0
79	9	25	6	(268)	4	3.90	277.0	105.0	105.0	1443.0	1443.0
79	9	25	7	(268)	4	2.60	278.0	84.0	84.0	1443.0	1443.0
79	9	25	8	(268)	4	2.10	280.0	109.0	109.0	1442.0	1442.0
79	9	25	9	(268)	3	2.60	282.0	174.0	174.0	741.0	829.0
79	9	25	10	(268)	3	2.90	283.0	152.0	152.0	916.0	982.0
79	9	25	11	(268)	1	1.70	283.0	77.0	77.0	1091.0	1134.0
79	9	25	12	(268)	2	1.70	284.0	189.0	189.0	1265.0	1287.0
79	9	25	13	(268)	1	1.90	285.0	140.0	140.0	1440.0	1440.0
79	9	25	14	(268)	1	1.70	286.0	18.0	18.0	1440.0	1440.0
79	9	25	15	(268)	3	0.60	286.0	240.0	240.0	1440.0	1440.0
79	9	25	16	(268)	1	1.30	286.0	316.0	316.0	1440.0	1440.0
79	9	25	17	(268)	4	3.10	286.0	319.0	319.0	1419.0	1419.0
79	9	25	18	(268)	3	6.70	286.0	324.0	324.0	1350.0	1169.0
79	9	25	19	(268)	2	7.10	286.0	336.0	336.0	1273.0	963.0
79	9	25	20	(268)	2	5.80	286.0	353.0	353.0	1186.0	757.0
79	9	25	21	(268)	3	6.30	286.0	348.0	348.0	1089.0	552.0
79	9	25	22	(268)	2	5.40	286.0	353.0	353.0	979.0	346.0
79	9	25	23	(268)	3	5.80	286.0	9.0	9.0	854.0	140.0
79	9	25	24	(268)	4	5.80	286.0	350.0	350.0	1904.0	1904.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	26	1	(269)	3	5.80	286.0	12.0	12.0	1703.0	140.0
79	9	26	2	(269)	3	5.40	286.0	8.0	8.0	1734.0	140.0
79	9	26	3	(269)	4	5.20	282.0	9.0	9.0	1766.0	1766.0
79	9	26	4	(269)	5	5.50	284.0	155.0	155.0	1797.0	140.0
79	9	26	5	(269)	5	5.20	283.0	160.0	160.0	21.0	157.0
79	9	26	6	(269)	3	4.60	281.0	22.0	22.0	116.0	235.0
79	9	26	7	(269)	4	4.70	281.0	117.0	117.0	975.0	975.0
79	9	26	8	(269)	4	4.60	280.0	126.0	126.0	942.0	942.0
79	9	26	9	(269)	4	4.40	280.0	140.0	140.0	910.0	910.0
79	9	26	10	(269)	4	5.50	286.0	26.0	26.0	877.0	877.0
79	9	26	11	(269)	4	6.20	289.0	24.0	24.0	845.0	845.0
79	9	26	12	(269)	4	7.80	292.0	28.0	28.0	812.0	812.0
79	9	26	13	(269)	4	9.60	293.0	35.0	35.0	780.0	780.0
79	9	26	14	(269)	4	9.60	294.0	31.0	31.0	780.0	780.0
79	9	26	15	(269)	4	8.90	295.0	32.0	32.0	780.0	780.0
79	9	26	16	(269)	4	8.40	295.0	41.0	41.0	780.0	780.0
79	9	26	17	(269)	4	8.30	294.0	41.0	41.0	768.0	768.0
79	9	26	18	(269)	3	6.70	292.0	30.0	30.0	732.0	635.0
79	9	26	19	(269)	1	7.90	290.0	91.0	91.0	691.0	528.0
79	9	26	20	(269)	1	7.20	285.0	169.0	169.0	646.0	421.0
79	9	26	21	(269)	2	1.80	284.0	154.0	154.0	595.0	314.0
79	9	26	22	(269)	4	3.10	284.0	152.0	152.0	537.0	537.0
79	9	26	23	(269)	2	2.70	284.0	150.0	150.0	472.0	100.0
79	9	26	24	(269)	3	4.50	283.0	137.0	137.0	1671.0	140.0
79	9	27	1	(270)	4	4.20	283.0	157.0	157.0	1109.0	1109.0
79	9	27	2	(270)	5	5.00	282.0	154.0	154.0	1148.0	100.0
79	9	27	3	(270)	5	5.10	281.0	167.0	167.0	1188.0	100.0
79	9	27	4	(270)	5	5.80	281.0	172.0	172.0	1227.0	100.0
79	9	27	5	(270)	5	4.90	280.0	176.0	176.0	22.0	120.0
79	9	27	6	(270)	5	4.90	280.0	174.0	174.0	132.0	217.0
79	9	27	7	(270)	5	4.90	280.0	178.0	178.0	242.0	315.0
79	9	27	8	(270)	5	4.60	281.0	179.0	179.0	351.0	412.0
79	9	27	9	(270)	5	4.90	281.0	177.0	177.0	461.0	510.0
79	9	27	10	(270)	5	5.40	282.0	180.0	180.0	571.0	607.0
79	9	27	11	(270)	5	5.60	282.0	158.0	158.0	681.0	705.0
79	9	27	12	(270)	5	5.90	283.0	149.0	149.0	790.0	802.0
79	9	27	13	(270)	5	4.70	283.0	172.0	172.0	900.0	900.0
79	9	27	14	(270)	4	3.40	283.0	163.0	163.0	900.0	900.0
79	9	27	15	(270)	4	3.90	283.0	158.0	158.0	900.0	900.0
79	9	27	16	(270)	5	2.70	283.0	162.0	162.0	900.0	900.0
79	9	27	17	(270)	4	0.80	283.0	195.0	195.0	884.0	884.0
79	9	27	18	(270)	4	1.50	280.0	47.0	47.0	839.0	839.0
79	9	27	19	(270)	5	3.10	278.0	65.0	65.0	789.0	586.0
79	9	27	20	(270)	4	3.10	278.0	114.0	114.0	733.0	733.0
79	9	27	21	(270)	6	0.70	276.0	110.0	110.0	670.0	323.0
79	9	27	22	(270)	4	2.10	276.0	97.0	97.0	598.0	598.0
79	9	27	23	(270)	5	3.50	275.0	90.0	90.0	517.0	60.0
79	9	27	24	(270)	5	3.80	275.0	94.0	94.0	1070.0	100.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	28	1	(271)	5	3.80	274.0	88.0	88.0	1910.0	60.0
79	9	28	2	(271)	5	4.70	274.0	86.0	86.0	2030.0	60.0
79	9	28	3	(271)	6	5.10	274.0	88.0	88.0	2150.0	60.0
79	9	28	4	(271)	5	6.40	274.0	86.0	86.0	2270.0	60.0
79	9	28	5	(271)	5	6.30	274.0	81.0	81.0	55.0	113.0
79	9	28	6	(271)	5	6.20	274.0	87.0	87.0	362.0	413.0
79	9	28	7	(271)	4	6.30	276.0	91.0	91.0	2037.0	2037.0
79	9	28	8	(271)	4	4.70	279.0	83.0	83.0	2116.0	2116.0
79	9	28	9	(271)	3	4.40	282.0	76.0	76.0	1282.0	1312.0
79	9	28	10	(271)	1	2.40	285.0	77.0	77.0	1589.0	1611.0
79	9	28	11	(271)	1	3.00	287.0	77.0	77.0	1896.0	1911.0
79	9	28	12	(271)	1	3.40	287.0	57.0	57.0	2203.0	2210.0
79	9	28	13	(271)	3	3.50	288.0	23.0	23.0	2510.0	2510.0
79	9	28	14	(271)	5	5.90	288.0	14.0	14.0	2510.0	2510.0
79	9	28	15	(271)	4	5.80	288.0	13.0	13.0	2510.0	2510.0
79	9	28	16	(271)	5	6.30	288.0	12.0	12.0	2510.0	2510.0
79	9	28	17	(271)	3	6.30	288.0	14.0	14.0	2463.0	2364.0
79	9	28	18	(271)	2	5.80	288.0	321.0	321.0	2343.0	2017.0
79	9	28	19	(271)	3	6.70	288.0	326.0	326.0	2210.0	1670.0
79	9	28	20	(271)	1	6.70	288.0	318.0	318.0	2062.0	1322.0
79	9	28	21	(271)	2	6.30	288.0	329.0	329.0	1894.0	975.0
79	9	28	22	(271)	3	6.70	288.0	360.0	360.0	1704.0	627.0
79	9	28	23	(271)	2	4.00	288.0	284.0	284.0	1488.0	280.0
79	9	28	24	(271)	3	4.50	288.0	288.0	288.0	1790.0	60.0
79	9	29	1	(272)	3	5.40	281.0	284.0	284.0	2510.0	280.0
79	9	29	2	(272)	3	4.90	280.0	318.0	318.0	2510.0	280.0
79	9	29	3	(272)	2	7.10	279.0	331.0	331.0	2510.0	280.0
79	9	29	4	(272)	2	8.00	279.0	347.0	347.0	2510.0	280.0
79	9	29	5	(272)	2	7.10	279.0	335.0	335.0	5.0	280.0
79	9	29	6	(272)	2	8.50	278.0	342.0	342.0	40.0	280.0
79	9	29	7	(272)	2	7.60	278.0	326.0	326.0	74.0	280.0
79	9	29	8	(272)	2	9.40	278.0	346.0	346.0	108.0	280.0
79	9	29	9	(272)	2	9.80	278.0	335.0	335.0	143.0	280.0
79	9	29	10	(272)	2	7.10	279.0	341.0	341.0	177.0	280.0
79	9	29	11	(272)	2	6.70	279.0	328.0	328.0	211.0	280.0
79	9	29	12	(272)	3	5.80	280.0	343.0	343.0	246.0	280.0
79	9	29	13	(272)	2	4.90	280.0	339.0	339.0	280.0	280.0
79	9	29	14	(272)	3	5.40	280.0	352.0	352.0	280.0	280.0
79	9	29	15	(272)	3	4.90	280.0	11.0	11.0	280.0	280.0
79	9	29	16	(272)	3	4.50	280.0	359.0	359.0	280.0	280.0
79	9	29	17	(272)	2	3.10	279.0	255.0	255.0	278.0	274.0
79	9	29	18	(272)	3	2.20	278.0	102.0	102.0	274.0	262.0
79	9	29	19	(272)	5	1.80	278.0	62.0	62.0	269.0	250.0
79	9	29	20	(272)	5	2.20	277.0	74.0	74.0	264.0	237.0
79	9	29	21	(272)	5	1.80	276.0	76.0	76.0	258.0	225.0
79	9	29	22	(272)	4	3.10	276.0	12.0	12.0	251.0	251.0
79	9	29	23	(272)	4	2.30	280.0	66.0	66.0	243.0	243.0
79	9	29	24	(272)	4	1.10	283.0	76.0	76.0	2510.0	2510.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	9	30	1	(273)	4	0.70	282.0	86.0	86.0	446.0	446.0
79	9	30	2	(273)	4	0.70	282.0	109.0	109.0	465.0	465.0
79	9	30	3	(273)	4	1.30	282.0	126.0	126.0	485.0	485.0
79	9	30	4	(273)	4	0.90	282.0	9.0	9.0	504.0	504.0
79	9	30	5	(273)	4	0.90	282.0	150.0	150.0	475.0	475.0
79	9	30	6	(273)	4	1.00	282.0	68.0	68.0	491.0	491.0
79	9	30	7	(273)	4	0.90	282.0	138.0	138.0	506.0	506.0
79	9	30	8	(273)	4	1.30	283.0	159.0	159.0	522.0	522.0
79	9	30	9	(273)	5	2.40	283.0	153.0	153.0	305.0	403.0
79	9	30	10	(273)	4	2.60	283.0	132.0	132.0	553.0	553.0
79	9	30	11	(273)	4	2.80	283.0	126.0	126.0	569.0	569.0
79	9	30	12	(273)	3	4.10	284.0	119.0	119.0	526.0	551.0
79	9	30	13	(273)	4	5.90	284.0	130.0	130.0	600.0	600.0
79	9	30	14	(273)	4	6.40	284.0	135.0	135.0	600.0	600.0
79	9	30	15	(273)	3	6.20	284.0	134.0	134.0	600.0	600.0
79	9	30	16	(273)	4	6.30	284.0	130.0	130.0	600.0	600.0
79	9	30	17	(273)	4	6.60	283.0	130.0	130.0	588.0	588.0
79	9	30	18	(273)	4	6.70	283.0	134.0	134.0	562.0	562.0
79	9	30	19	(273)	3	5.80	282.0	125.0	125.0	534.0	416.0
79	9	30	20	(273)	2	4.00	282.0	108.0	108.0	502.0	342.0
79	9	30	21	(273)	2	4.00	282.0	97.0	97.0	465.0	268.0
79	9	30	22	(273)	2	5.50	281.0	94.0	94.0	424.0	194.0
79	9	30	23	(273)	4	5.00	280.0	74.0	74.0	378.0	378.0
79	9	30	24	(273)	4	5.00	280.0	74.0	74.0	378.0	378.0
79	10	1	1	(274)	4	4.40	280.0	80.0	80.0	1190.0	1190.0
79	10	1	2	(274)	4	4.00	279.0	70.0	70.0	1269.0	1269.0
79	10	1	3	(274)	4	3.50	279.0	85.0	85.0	1347.0	1347.0
79	10	1	4	(274)	3	3.50	279.0	90.0	90.0	1425.0	120.0
79	10	1	5	(274)	3	3.00	278.0	115.0	115.0	1504.0	120.0
79	10	1	6	(274)	4	2.40	278.0	105.0	105.0	1289.0	1289.0
79	10	1	7	(274)	4	1.80	277.0	110.0	110.0	1345.0	1345.0
79	10	1	8	(274)	3	6.30	277.0	100.0	100.0	450.0	539.0
79	10	1	9	(274)	3	5.40	277.0	65.0	65.0	663.0	737.0
79	10	1	10	(274)	1	5.40	277.0	170.0	170.0	877.0	936.0
79	10	1	11	(274)	1	5.40	277.0	10.0	10.0	1090.0	1134.0
79	10	1	12	(274)	1	5.40	277.0	10.0	10.0	1303.0	1333.0
79	10	1	13	(274)	1	5.40	277.0	10.0	10.0	1517.0	1531.0
79	10	1	14	(274)	1	2.20	277.0	200.0	200.0	1730.0	1730.0
79	10	1	15	(274)	1	3.10	277.0	325.0	325.0	1730.0	1730.0
79	10	1	16	(274)	3	5.80	277.0	310.0	310.0	1730.0	1730.0
79	10	1	17	(274)	4	4.90	277.0	305.0	305.0	1730.0	1730.0
79	10	1	18	(274)	4	5.40	277.0	310.0	310.0	1690.0	1690.0
79	10	1	19	(274)	4	4.90	277.0	310.0	310.0	1608.0	1608.0
79	10	1	20	(274)	4	5.40	277.0	315.0	315.0	1517.0	1517.0
79	10	1	21	(274)	4	6.30	277.0	295.0	295.0	1415.0	1415.0
79	10	1	22	(274)	4	6.70	277.0	320.0	320.0	1301.0	1301.0
79	10	1	23	(274)	3	7.60	277.0	290.0	290.0	1171.0	443.0
79	10	1	24	(274)	3	5.80	277.0	270.0	270.0	1022.0	210.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	2	1	(275)	4	6.30	277.0	265.0	265.0	2149.0	2149.0
79	10	2	2	(275)	4	6.30	277.0	240.0	240.0	2204.0	2204.0
79	10	2	3	(275)	5	6.30	277.0	270.0	270.0	2260.0	210.0
79	10	2	4	(275)	4	6.30	277.0	290.0	290.0	2315.0	2315.0
79	10	2	5	(275)	4	6.30	277.0	325.0	325.0	2371.0	2371.0
79	10	2	6	(275)	3	6.30	277.0	320.0	320.0	14.0	222.0
79	10	2	7	(275)	3	6.30	277.0	345.0	345.0	181.0	363.0
79	10	2	8	(275)	2	6.30	277.0	330.0	330.0	348.0	504.0
79	10	2	9	(275)	2	6.30	277.0	360.0	360.0	515.0	645.0
79	10	2	10	(275)	3	6.30	277.0	10.0	10.0	682.0	786.0
79	10	2	11	(275)	2	6.30	277.0	330.0	330.0	849.0	927.0
79	10	2	12	(275)	2	6.30	277.0	325.0	325.0	1016.0	1068.0
79	10	2	13	(275)	2	6.30	277.0	325.0	325.0	1183.0	1209.0
79	10	2	14	(275)	2	6.30	277.0	325.0	325.0	1350.0	1350.0
79	10	2	15	(275)	2	7.60	277.0	340.0	340.0	1350.0	1350.0
79	10	2	16	(275)	2	6.70	277.0	345.0	345.0	1350.0	1350.0
79	10	2	17	(275)	3	5.40	277.0	340.0	340.0	1350.0	1350.0
79	10	2	18	(275)	4	6.70	277.0	5.0	5.0	1317.0	1317.0
79	10	2	19	(275)	3	6.30	277.0	360.0	360.0	1253.0	1068.0
79	10	2	20	(275)	4	5.40	277.0	10.0	10.0	1181.0	1181.0
79	10	2	21	(275)	4	4.90	277.0	360.0	360.0	1101.0	1101.0
79	10	2	22	(275)	4	3.60	277.0	360.0	360.0	1011.0	1011.0
79	10	2	23	(275)	4	3.10	277.0	320.0	320.0	909.0	909.0
79	10	2	24	(275)	5	3.10	277.0	25.0	25.0	793.0	160.0
79	10	3	1	(276)	5	3.10	277.0	10.0	10.0	1608.0	160.0
79	10	3	2	(276)	4	3.10	277.0	40.0	40.0	1642.0	1642.0
79	10	3	3	(276)	5	2.70	277.0	30.0	30.0	1676.0	160.0
79	10	3	4	(276)	4	2.70	277.0	80.0	80.0	1710.0	1710.0
79	10	3	5	(276)	4	3.10	277.0	70.0	70.0	1744.0	1744.0
79	10	3	6	(276)	4	2.70	277.0	65.0	65.0	1050.0	1050.0
79	10	3	7	(276)	5	3.60	277.0	100.0	100.0	113.0	252.0
79	10	3	8	(276)	5	2.70	277.0	70.0	70.0	220.0	339.0
79	10	3	9	(276)	4	3.10	277.0	80.0	80.0	979.0	979.0
79	10	3	10	(276)	4	4.00	277.0	1.0	1.0	955.0	955.0
79	10	3	11	(276)	1	2.70	277.0	1.0	1.0	540.0	600.0
79	10	3	12	(276)	1	3.60	282.0	85.0	85.0	647.0	686.0
79	10	3	13	(276)	2	3.10	282.0	90.0	90.0	753.0	773.0
79	10	3	14	(276)	1	6.30	282.0	105.0	105.0	860.0	860.0
79	10	3	15	(276)	1	4.50	283.0	70.0	70.0	860.0	860.0
79	10	3	16	(276)	1	4.90	282.0	75.0	75.0	860.0	860.0
79	10	3	17	(276)	1	4.50	282.0	60.0	60.0	860.0	860.0
79	10	3	18	(276)	2	6.30	282.0	125.0	125.0	851.0	831.0
79	10	3	19	(276)	3	6.70	281.0	140.0	140.0	833.0	783.0
79	10	3	20	(276)	1	6.30	280.0	110.0	110.0	814.0	734.0
79	10	3	21	(276)	3	5.40	280.0	110.0	110.0	792.0	686.0
79	10	3	22	(276)	3	4.50	280.0	95.0	95.0	768.0	637.0
79	10	3	23	(276)	3	4.90	279.0	75.0	75.0	741.0	589.0
79	10	3	24	(276)	3	5.40	280.0	70.0	70.0	709.0	540.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	4	1	(277)	4	5.40	280.0	75.0	75.0	882.0	882.0
79	10	4	2	(277)	2	6.70	280.0	90.0	90.0	885.0	540.0
79	10	4	3	(277)	4	7.10	280.0	95.0	95.0	888.0	888.0
79	10	4	4	(277)	4	5.80	280.0	100.0	100.0	891.0	891.0
79	10	4	5	(277)	3	6.30	279.0	90.0	90.0	894.0	540.0
79	10	4	6	(277)	4	6.30	280.0	100.0	100.0	701.0	701.0
79	10	4	7	(277)	3	5.80	280.0	95.0	95.0	78.0	548.0
79	10	4	8	(277)	4	6.30	280.0	75.0	75.0	676.0	676.0
79	10	4	9	(277)	4	6.70	281.0	80.0	80.0	663.0	663.0
79	10	4	10	(277)	4	5.40	280.0	85.0	85.0	650.0	650.0
79	10	4	11	(277)	3	5.80	282.0	85.0	85.0	376.0	578.0
79	10	4	12	(277)	1	4.90	283.0	85.0	85.0	451.0	585.0
79	10	4	13	(277)	3	4.50	282.0	55.0	55.0	525.0	593.0
79	10	4	14	(277)	3	4.90	283.0	70.0	70.0	600.0	600.0
79	10	4	15	(277)	3	4.00	282.0	15.0	15.0	600.0	600.0
79	10	4	16	(277)	4	4.00	282.0	20.0	20.0	600.0	600.0
79	10	4	17	(277)	4	3.60	283.0	15.0	15.0	600.0	600.0
79	10	4	18	(277)	5	4.50	282.0	10.0	10.0	600.0	601.0
79	10	4	19	(277)	4	4.90	280.0	360.0	360.0	601.0	601.0
79	10	4	20	(277)	4	5.40	280.0	30.0	30.0	601.0	601.0
79	10	4	21	(277)	5	5.80	280.0	40.0	40.0	602.0	605.0
79	10	4	22	(277)	5	5.40	279.0	35.0	35.0	603.0	607.0
79	10	4	23	(277)	5	4.50	279.0	320.0	320.0	604.0	608.0
79	10	4	24	(277)	5	3.10	279.0	325.0	325.0	605.0	610.0
79	10	5	1	(278)	3	4.00	279.0	270.0	270.0	678.0	610.0
79	10	5	2	(278)	3	2.70	279.0	260.0	260.0	688.0	610.0
79	10	5	3	(278)	5	3.10	278.0	260.0	260.0	698.0	610.0
79	10	5	4	(278)	4	3.60	278.0	250.0	250.0	708.0	708.0
79	10	5	5	(278)	4	4.50	278.0	215.0	215.0	718.0	718.0
79	10	5	6	(278)	5	8.00	279.0	225.0	225.0	2.0	610.0
79	10	5	7	(278)	5	7.10	279.0	230.0	230.0	104.0	637.0
79	10	5	8	(278)	5	6.70	280.0	250.0	250.0	206.0	663.0
79	10	5	9	(278)	5	6.70	281.0	240.0	240.0	309.0	689.0
79	10	5	10	(278)	4	6.70	282.0	235.0	235.0	777.0	777.0
79	10	5	11	(278)	4	6.70	284.0	190.0	190.0	788.0	788.0
79	10	5	12	(278)	4	6.70	284.0	185.0	185.0	799.0	799.0
79	10	5	13	(278)	5	6.70	284.0	180.0	180.0	718.0	794.0
79	10	5	14	(278)	5	6.70	285.0	210.0	210.0	820.0	820.0
79	10	5	15	(278)	5	6.70	284.0	220.0	220.0	820.0	820.0
79	10	5	16	(278)	5	6.70	284.0	180.0	180.0	820.0	820.0
79	10	5	17	(278)	5	6.70	284.0	165.0	165.0	820.0	820.0
79	10	5	18	(278)	5	6.70	283.0	160.0	160.0	821.0	822.0
79	10	5	19	(278)	5	6.70	282.0	160.0	160.0	822.0	825.0
79	10	5	20	(278)	5	6.70	282.0	160.0	160.0	823.0	828.0
79	10	5	21	(278)	5	7.60	282.0	140.0	140.0	824.0	831.0
79	10	5	22	(278)	5	8.90	282.0	130.0	130.0	826.0	834.0
79	10	5	23	(278)	5	10.30	281.0	130.0	130.0	828.0	837.0
79	10	5	24	(278)	5	8.50	281.0	130.0	130.0	830.0	840.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	6	1	(279)	5	9.80	281.0	140.0	140.0	980.0	840.0
79	10	6	2	(279)	4	9.40	281.0	143.0	143.0	1001.0	1001.0
79	10	6	3	(279)	4	10.00	280.0	138.0	138.0	1021.0	1021.0
79	10	6	4	(279)	4	10.10	280.0	138.0	138.0	1042.0	1042.0
79	10	6	5	(279)	4	9.30	279.0	137.0	137.0	1063.0	1063.0
79	10	6	6	(279)	4	9.50	279.0	137.0	137.0	1084.0	1084.0
79	10	6	7	(279)	5	11.10	279.0	149.0	149.0	158.0	893.0
79	10	6	8	(279)	4	10.10	278.0	146.0	146.0	1139.0	1139.0
79	10	6	9	(279)	4	9.70	279.0	143.0	143.0	1161.0	1161.0
79	10	6	10	(279)	5	9.00	279.0	158.0	158.0	635.0	1055.0
79	10	6	11	(279)	4	10.40	279.0	142.0	142.0	1205.0	1205.0
79	10	6	12	(279)	3	9.90	279.0	133.0	133.0	952.0	1162.0
79	10	6	13	(279)	4	9.30	280.0	143.0	143.0	1248.0	1248.0
79	10	6	14	(279)	3	9.10	283.0	137.0	137.0	1270.0	1270.0
79	10	6	15	(279)	3	8.30	280.0	136.0	136.0	1270.0	1270.0
79	10	6	16	(279)	4	8.40	280.0	136.0	136.0	1270.0	1270.0
79	10	6	17	(279)	3	9.20	280.0	133.0	133.0	1270.0	1270.0
79	10	6	18	(279)	5	6.70	279.0	155.0	155.0	1232.0	1156.0
79	10	6	19	(279)	1	5.80	278.0	112.0	112.0	1171.0	990.0
79	10	6	20	(279)	1	6.20	278.0	113.0	113.0	1104.0	824.0
79	10	6	21	(279)	1	5.90	277.0	103.0	103.0	1029.0	658.0
79	10	6	22	(279)	2	4.60	276.0	99.0	99.0	945.0	492.0
79	10	6	23	(279)	3	5.20	276.0	101.0	101.0	849.0	326.0
79	10	6	24	(279)	4	5.00	276.0	144.0	144.0	740.0	740.0
79	10	7	1	(280)	4	4.90	275.0	136.0	136.0	1725.0	1725.0
79	10	7	2	(280)	4	5.00	275.0	128.0	128.0	1783.0	1783.0
79	10	7	3	(280)	4	4.40	274.0	112.0	112.0	1842.0	1842.0
79	10	7	4	(280)	3	5.30	274.0	101.0	101.0	1901.0	160.0
79	10	7	5	(280)	2	5.50	274.0	123.0	123.0	1960.0	160.0
79	10	7	6	(280)	4	5.70	274.0	132.0	132.0	2019.0	2019.0
79	10	7	7	(280)	4	6.60	274.0	128.0	128.0	1343.0	1343.0
79	10	7	8	(280)	3	7.70	275.0	131.0	131.0	341.0	462.0
79	10	7	9	(280)	4	7.30	276.0	141.0	141.0	1353.0	1353.0
79	10	7	10	(280)	4	7.10	277.0	148.0	148.0	1359.0	1359.0
79	10	7	11	(280)	4	6.60	277.0	149.0	149.0	1364.0	1364.0
79	10	7	12	(280)	4	6.90	277.0	147.0	147.0	1369.0	1369.0
79	10	7	13	(280)	4	5.90	277.0	149.0	149.0	1375.0	1375.0
79	10	7	14	(280)	4	6.50	278.0	147.0	147.0	1380.0	1380.0
79	10	7	15	(280)	4	7.10	278.0	143.0	143.0	1380.0	1380.0
79	10	7	16	(280)	4	6.20	278.0	140.0	140.0	1380.0	1380.0
79	10	7	17	(280)	4	6.70	277.0	110.0	110.0	1380.0	1380.0
79	10	7	18	(280)	4	5.40	277.0	120.0	120.0	1333.0	1333.0
79	10	7	19	(280)	4	4.90	275.0	120.0	120.0	1263.0	1263.0
79	10	7	20	(280)	4	5.40	273.0	100.0	100.0	1185.0	1185.0
79	10	7	21	(280)	5	4.00	273.0	80.0	80.0	1098.0	666.0
79	10	7	22	(280)	5	2.70	272.0	99.0	99.0	999.0	474.0
79	10	7	23	(280)	5	3.90	271.0	79.0	79.0	888.0	282.0
79	10	7	24	(280)	4	5.00	271.0	81.0	81.0	761.0	761.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	8	1	(281)	4	5.10	271.0	79.0	79.0	1978.0	1978.0
79	10	8	2	(281)	4	4.50	271.0	97.0	97.0	2055.0	2055.0
79	10	8	3	(281)	4	4.40	272.0	76.0	76 0	2132.0	2132.0
79	10	8	4	(281)	4	4.40	272.0	71.0	71.0	2209.0	2209.0
79	10	8	5	(281)	4	4.60	271.0	73.0	73.0	2286.0	2286.0
79	10	8	6	(281)	4	4.50	272.0	76.0	76.0	2363.0	2363.0
79	10	8	7	(281)	4	3.80	272.0	73.0	73.0	1585.0	1585.0
79	10	8	8	(281)	4	3.00	273.0	81.0	81.0	1600.0	1600.0
79	10	8	9	(281)	3	2.20	274.0	90.0	90.0	627.0	683.0
79	10	8	10	(281)	3	1.60	276.0	33.0	33.0	839.0	885.0
79	10	8	11	(281)	1	2.40	278.0	102.0	102.0	1052.0	1086.0
79	10	8	12	(281)	1	5.90	279.0	149.0	149.0	1265.0	1287.0
79	10	8	13	(281)	1	2.50	280.0	60.0	60.0	1477.0	1489.0
79	10	8	14	(281)	4	2.70	282.0	38.0	38.0	1690.0	1690.0
79	10	8	15	(281)	4	3.80	282.0	34.0	34.0	1690.0	1690.0
79	10	8	16	(281)	4	5.40	282.0	20.0	20.0	1690.0	1690.0
79	10	8	17	(281)	3	5.80	283.0	360.0	360.0	1690.0	1690.0
79	10	8	18	(281)	3	5.40	281.0	335.0	335.0	1637.0	1532.0
79	10	8	19	(281)	4	6.30	279.0	310.0	310.0	1560.0	1560.0
79	10	8	20	(281)	1	5.80	279.0	330.0	330.0	1474.0	1115.0
79	10	8	21	(281)	2	5.80	277.0	355.0	355.0	1379.0	906.0
79	10	8	22	(281)	3	5.40	277.0	350.0	350.0	1271.0	697.0
79	10	8	23	(281)	1	4.90	276.0	325.0	325.0	1149.0	489.0
79	10	8	24	(281)	4	5.40	275.0	340.0	340.0	1010.0	1010.0
79	10	9	1	(282)	3	4.50	275.0	326.0	326.0	1847.0	280.0
79	10	9	2	(282)	3	4.70	274.0	355.0	355.0	1868.0	280.0
79	10	9	3	(282)	4	5.20	275.0	125.0	125.0	1888.0	1888.0
79	10	9	4	(282)	4	4.50	274.0	135.0	135.0	1908.0	1908.0
79	10	9	5	(282)	4	3.60	273.0	117.0	117.0	1928.0	1928.0
79	10	9	6	(282)	5	4.00	272.0	240.0	240.0	1948.0	280.0
79	10	9	7	(282)	5	4.00	272.0	235.0	235.0	82.0	329.0
79	10	9	8	(282)	4	4.00	273.0	235.0	235.0	986.0	986.0
79	10	9	9	(282)	2	4.00	278.0	300.0	300.0	258.0	435.0
79	10	9	10	(282)	3	3.60	281.0	345.0	345.0	347.0	488.0
79	10	9	11	(282)	4	4.00	281.0	10.0	10.0	843.0	843.0
79	10	9	12	(282)	3	4.50	283.0	360.0	360.0	523.0	594.0
79	10	9	13	(282)	4	4.50	283.0	15.0	15.0	748.0	748.0
79	10	9	14	(282)	4	4.00	284.0	5.0	5.0	700.0	700.0
79	10	9	15	(282)	4	4.00	284.0	5.0	5.0	700.0	700.0
79	10	9	16	(282)	4	4.50	284.0	10.0	10.0	700.0	700.0
79	10	9	17	(282)	3	3.60	284.0	35.0	35.0	700.0	700.0
79	10	9	18	(282)	4	3.10	283.0	10.0	10.0	676.0	676.0
79	10	9	19	(282)	5	4.50	283.0	40.0	40.0	644.0	542.0
79	10	9	20	(282)	5	4.00	283.0	15.0	15.0	607.0	454.0
79	10	9	21	(282)	4	3.60	282.0	55.0	55.0	566.0	566.0
79	10	9	22	(282)	4	3.60	282.0	65.0	65.0	520.0	520.0
79	10	9	23	(282)	4	1.90	282.0	3.0	3.0	469.0	469.0
79	10	9	24	(282)	5	3.40	282.0	34.0	34.0	409.0	100.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	10	1	(283)	5	1.70	282.0	34.0	34.0	899.0	100.0
79	10	10	2	(283)	4	1.60	281.0	75.0	75.0	925.0	925.0
79	10	10	3	(283)	6	0.60	280.0	339.0	339.0	950.0	100.0
79	10	10	4	(283)	4	2.30	279.0	71.0	71.0	975.0	975.0
79	10	10	5	(283)	3	2.20	279.0	69.0	69.0	1001.0	100.0
79	10	10	6	(283)	4	1.50	279.0	57.0	57.0	1026.0	1026.0
79	10	10	7	(283)	4	1.20	278.0	87.0	87.0	654.0	654.0
79	10	10	8	(283)	3	1.60	278.0	137.0	137.0	151.0	227.0
79	10	10	9	(283)	5	0.80	279.0	103.0	103.0	231.0	295.0
79	10	10	10	(283)	5	0.80	281.0	103.0	103.0	311.0	362.0
79	10	10	11	(283)	4	0.80	285.0	315.0	315.0	640.0	640.0
79	10	10	12	(283)	2	0.80	287.0	345.0	345.0	470.0	496.0
79	10	10	13	(283)	2	0.80	289.0	330.0	330.0	550.0	563.0
79	10	10	14	(283)	3	0.80	289.0	340.0	340.0	630.0	630.0
79	10	10	15	(283)	4	6.60	289.0	13.0	13.0	630.0	630.0
79	10	10	16	(283)	4	4.40	288.0	16.0	16.0	630.0	630.0
79	10	10	17	(283)	5	3.20	288.0	11.0	11.0	630.0	630.0
79	10	10	18	(283)	4	3.10	287.0	355.0	355.0	633.0	633.0
79	10	10	19	(283)	3	4.50	287.0	340.0	340.0	637.0	649.0
79	10	10	20	(283)	3	4.00	286.0	325.0	325.0	641.0	659.0
79	10	10	21	(283)	3	6.70	286.0	330.0	330.0	646.0	669.0
79	10	10	22	(283)	3	5.80	286.0	340.0	340.0	651.0	679.0
79	10	10	23	(283)	4	6.30	285.0	5.0	5.0	657.0	657.0
79	10	10	24	(283)	4	5.80	285.0	360.0	360.0	664.0	664.0
79	10	11	1	(284)	3	6.70	285.0	350.0	350.0	630.0	700.0
79	10	11	2	(284)	3	7.60	284.0	340.0	340.0	630.0	700.0
79	10	11	3	(284)	2	8.00	284.0	335.0	335.0	630.0	700.0
79	10	11	4	(284)	3	8.00	284.0	360.0	360.0	630.0	700.0
79	10	11	5	(284)	4	8.00	284.0	5.0	5.0	630.0	630.0
79	10	11	6	(284)	4	8.00	283.0	355.0	355.0	630.0	630.0
79	10	11	7	(284)	3	8.00	283.0	360.0	360.0	78.0	700.0
79	10	11	8	(284)	3	8.00	283.0	5.0	5.0	167.0	700.0
79	10	11	9	(284)	4	8.00	283.0	10.0	10.0	683.0	683.0
79	10	11	10	(284)	4	8.00	284.0	15.0	15.0	687.0	687.0
79	10	11	11	(284)	4	8.00	284.0	10.0	10.0	690.0	690.0
79	10	11	12	(284)	4	8.00	284.0	10.0	10.0	693.0	693.0
79	10	11	13	(284)	4	6.50	284.0	11.0	11.0	697.0	697.0
79	10	11	14	(284)	4	6.50	284.0	10.0	10.0	700.0	700.0
79	10	11	15	(284)	4	7.80	284.0	11.0	11.0	700.0	700.0
79	10	11	16	(284)	4	7.80	284.0	350.0	350.0	700.0	700.0
79	10	11	17	(284)	3	7.80	283.0	350.0	350.0	700.0	700.0
79	10	11	18	(284)	3	7.80	283.0	350.0	350.0	674.0	625.0
79	10	11	19	(284)	2	7.10	283.0	355.0	355.0	642.0	538.0
79	10	11	20	(284)	1	8.30	283.0	73.0	73.0	605.0	450.0
79	10	11	21	(284)	1	5.10	282.0	66.0	66.0	564.0	363.0
79	10	11	22	(284)	1	3.20	281.0	55.0	55.0	518.0	275.0
79	10	11	23	(284)	1	7.70	281.0	45.0	45.0	466.0	188.0
79	10	11	24	(284)	2	4.90	281.0	47.0	47.0	406.0	100.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FI STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	12	1	(285)	4	4.80	281.0	51.0	51.0	1096.0	1096.0
79	10	12	2	(285)	5	3.70	279.0	40.0	40.0	1147.0	100.0
79	10	12	3	(285)	5	4.90	278.0	36.0	36.0	1197.0	100.0
79	10	12	4	(285)	5	5.90	278.0	42.0	42.0	1247.0	100.0
79	10	12	5	(285)	5	5.50	287.0	34.0	34.0	1298.0	100.0
79	10	12	6	(285)	5	5.40	277.0	38.0	38.0	1348.0	100.0
79	10	12	7	(285)	5	5.70	277.0	60.0	60.0	125.0	214.0
79	10	12	8	(285)	4	6.50	279.0	61.0	61.0	1021.0	1021.0
79	10	12	9	(285)	3	9.90	280.0	83.0	83.0	418.0	481.0
79	10	12	10	(285)	2	12.50	280.0	110.0	110.0	564.0	615.0
79	10	12	11	(285)	1	12.80	281.0	116.0	116.0	711.0	749.0
79	10	12	12	(285)	1	12.50	282.0	126.0	126.0	857.0	883.0
79	10	12	13	(285)	1	13.30	284.0	125.0	125.0	1004.0	1016.0
79	10	12	14	(285)	1	12.60	284.0	132.0	132.0	1150.0	1150.0
79	10	12	15	(285)	1	13.50	284.0	133.0	133.0	1150.0	1150.0
79	10	12	16	(285)	1	12.70	285.0	132.0	132.0	1150.0	1150.0
79	10	12	17	(285)	1	10.30	284.0	144.0	144.0	1150.0	1150.0
79	10	12	18	(285)	1	9.60	283.0	158.0	158.0	1103.0	1014.0
79	10	12	19	(285)	3	9.50	281.0	187.0	187.0	1045.0	860.0
79	10	12	20	(285)	3	6.90	280.0	147.0	147.0	980.0	706.0
79	10	12	21	(285)	3	6.70	279.0	175.0	175.0	908.0	552.0
79	10	12	22	(285)	4	8.90	278.0	180.0	180.0	826.0	826.0
79	10	12	23	(285)	3	7.70	278.0	137.0	137.0	734.0	244.0
79	10	12	24	(285)	3	7.00	277.0	125.0	125.0	629.0	90.0
79	10	13	1	(286)	4	6.30	277.0	137.0	137.0	1956.0	1956.0
79	10	13	2	(286)	3	6.90	275.0	112.0	112.0	2058.0	90.0
79	10	13	3	(286)	3	7.70	274.0	122.0	122.0	2160.0	90.0
79	10	13	4	(286)	3	6.80	275.0	157.0	157.0	2262.0	90.0
79	10	13	5	(286)	4	6.20	275.0	209.0	209.0	2364.0	2364.0
79	10	13	6	(286)	2	6.20	275.0	210.0	210.0	2465.0	90.0
79	10	13	7	(286)	4	6.50	275.0	196.0	196.0	1862.0	1862.0
79	10	13	8	(286)	5	2.90	275.0	163.0	163.0	518.0	587.0
79	10	13	9	(286)	5	3.00	276.0	160.0	160.0	802.0	859.0
79	10	13	10	(286)	5	3.00	276.0	170.0	170.0	1085.0	1131.0
79	10	13	11	(286)	5	3.00	276.0	175.0	175.0	1369.0	1404.0
79	10	13	12	(286)	5	3.00	277.0	180.0	180.0	1653.0	1676.0
79	10	13	13	(286)	2	3.00	277.0	165.0	165.0	1936.0	1948.0
79	10	13	14	(286)	2	3.00	277.0	170.0	170.0	2220.0	2220.0
79	10	13	15	(286)	3	3.00	278.0	165.0	165.0	2220.0	2220.0
79	10	13	16	(286)	1	3.00	278.0	135.0	135.0	2220.0	2220.0
79	10	13	17	(286)	3	3.00	276.0	105.0	105.0	2220.0	2220.0
79	10	13	18	(286)	3	3.00	276.0	180.0	180.0	2129.0	1958.0
79	10	13	19	(286)	3	3.00	274.0	215.0	215.0	2020.0	1671.0
79	10	13	20	(286)	3	3.00	273.0	220.0	220.0	1899.0	1385.0
79	10	13	21	(286)	3	3.00	273.0	185.0	185.0	1764.0	1099.0
79	10	13	22	(286)	3	3.00	273.0	175.0	175.0	1612.0	813.0
79	10	13	23	(286)	3	3.00	273.0	140.0	140.0	1439.0	526.0
79	10	13	24	(286)	3	3.00	272.0	145.0	145.0	1242.0	240.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	14	1	(287)	3	3.00	271.0	140.0	140.0	2778.0	240.0
79	10	14	2	(287)	3	3.00	271.0	135.0	135.0	2848.0	240.0
79	10	14	3	(287)	3	3.00	271.0	130.0	130.0	2918.0	240.0
79	10	14	4	(287)	3	3.00	271.0	125.0	125.0	2988.0	240.0
79	10	14	5	(287)	3	3.00	270.0	115.0	115.0	3058.0	240.0
79	10	14	6	(287)	3	3.00	270.0	120.0	120.0	3129.0	240.0
79	10	14	7	(287)	3	3.00	270.0	130.0	130.0	176.0	391.0
79	10	14	8	(287)	3	3.00	270.0	125.0	125.0	395.0	580.0
79	10	14	9	(287)	3	3.00	272.0	135.0	135.0	614.0	768.0
79	10	14	10	(287)	3	3.00	274.0	160.0	160.0	833.0	956.0
79	10	14	11	(287)	3	3.00	275.0	165.0	165.0	1053.0	1145.0
79	10	14	12	(287)	3	5.40	275.0	165.0	165.0	1272.0	1333.0
79	10	14	13	(287)	3	4.90	276.0	175.0	175.0	1491.0	1522.0
79	10	14	14	(287)	3	4.50	277.0	165.0	165.0	1710.0	1710.0
79	10	14	15	(287)	3	3.10	278.0	170.0	170.0	1710.0	1710.0
79	10	14	16	(287)	3	1.80	278.0	205.0	205.0	1710.0	1710.0
79	10	14	17	(287)	4	1.30	278.0	310.0	310.0	1710.0	1710.0
79	10	14	18	(287)	3	2.20	277.0	330.0	330.0	1635.0	1493.0
79	10	14	19	(287)	3	3.10	273.0	280.0	280.0	1547.0	1264.0
79	10	14	20	(287)	5	4.50	273.0	310.0	310.0	1450.0	1035.0
79	10	14	21	(287)	5	3.60	271.0	5.0	5.0	1341.0	806.0
79	10	14	22	(287)	5	3.10	271.0	270.0	270.0	1218.0	578.0
79	10	14	23	(287)	5	3.60	271.0	275.0	275.0	1079.0	349.0
79	10	14	24	(287)	5	2.70	270.0	160.0	160.0	921.0	120.0
79	10	15	1	(288)	6	1.30	270.0	290.0	290.0	2007.0	120.0
79	10	15	2	(288)	5	1.80	270.0	280.0	280.0	2044.0	120.0
79	10	15	3	(288)	5	3.10	270.0	275.0	275.0	2081.0	120.0
79	10	15	4	(288)	5	1.80	270.0	255.0	255.0	2118.0	120.0
79	10	15	5	(288)	5	1.80	270.0	270.0	270.0	2155.0	120.0
79	10	15	6	(288)	5	2.70	270.0	265.0	265.0	2193.0	120.0
79	10	15	7	(288)	5	3.10	270.0	270.0	270.0	90.0	198.0
79	10	15	8	(288)	5	2.20	271.0	255.0	255.0	206.0	298.0
79	10	15	9	(288)	5	1.80	272.0	260.0	260.0	321.0	399.0
79	10	15	10	(288)	5	2.70	273.0	245.0	245.0	437.0	499.0
79	10	15	11	(288)	5	3.10	274.0	250.0	250.0	553.0	599.0
79	10	15	12	(288)	4	3.60	276.0	255.0	255.0	977.0	977.0
79	10	15	13	(288)	4	5.40	277.0	235.0	235.0	939.0	939.0
79	10	15	14	(288)	5	5.80	277.0	230.0	230.0	900.0	900.0
79	10	15	15	(288)	5	6.30	276.0	230.0	230.0	900.0	900.0
79	10	15	16	(288)	4	5.40	276.0	220.0	220.0	900.0	900.0
79	10	15	17	(288)	4	4.50	277.0	215.0	215.0	900.0	900.0
79	10	15	18	(288)	4	7.10	277.0	200.0	200.0	869.0	869.0
79	10	15	19	(288)	4	7.10	276.0	200.0	200.0	834.0	834.0
79	10	15	20	(288)	4	7.60	275.0	195.0	195.0	796.0	796.0
79	10	15	21	(288)	4	6.70	274.0	190.0	190.0	753.0	753.0
79	10	15	22	(288)	4	6.30	274.0	185.0	185.0	704.0	704.0
79	10	15	23	(288)	4	5.80	274.0	180.0	180.0	649.0	649.0
79	10	15	24	(288)	4	5.40	273.0	175.0	175.0	586.0	586.0

RAM SYSTEM METEOROLOGICAL FILE LISTING 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FR STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	16	1	(289)	4	5.40	273.0	165.0	165.0	1464.0	1464.0
79	10	16	2	(289)	4	5.40	273.0	145.0	145.0	1535.0	1535.0
79	10	16	3	(289)	4	6.70	272.0	135.0	135.0	1605.0	1605.0
79	10	16	4	(289)	4	5.80	272.0	140.0	140.0	1676.0	1676.0
79	10	16	5	(289)	4	6.70	272.0	145.0	145.0	1746.0	1746.0
79	10	16	6	(289)	4	5.80	272.0	140.0	140.0	1816.0	1816.0
79	10	16	7	(289)	4	4.90	272.0	135.0	135.0	1467.0	1467.0
79	10	16	8	(289)	4	4.50	274.0	145.0	145.0	1507.0	1507.0
79	10	16	9	(289)	4	4.50	275.0	190.0	190.0	1548.0	1548.0
79	10	16	10	(289)	4	4.50	276.0	210.0	210.0	1588.0	1588.0
79	10	16	11	(289)	5	4.50	277.0	235.0	235.0	1073.0	1177.0
79	10	16	12	(289)	4	4.50	277.0	175.0	175.0	1669.0	1669.0
79	10	16	13	(289)	5	3.60	278.0	180.0	180.0	1524.0	1559.0
79	10	16	14	(289)	4	3.10	280.0	190.0	190.0	1750.0	1750.0
79	10	16	15	(289)	4	2.20	279.0	110.0	110.0	1750.0	1750.0
79	10	16	16	(289)	2	1.80	279.0	275.0	275.0	1750.0	1750.0
79	10	16	17	(289)	3	1.30	279.0	290.0	290.0	1749.0	1747.0
79	10	16	18	(289)	5	1.30	277.0	330.0	330.0	1667.0	1513.0
79	10	16	19	(289)	5	4.50	275.0	360.0	360.0	1576.0	1280.0
79	10	16	20	(289)	5	5.40	274.0	5.0	5.0	1476.0	1046.0
79	10	16	21	(289)	4	4.90	272.0	90.0	90.0	1363.0	1363.0
79	10	16	22	(289)	4	4.90	272.0	5.0	5.0	1236.0	1236.0
79	10	16	23	(289)	4	6.70	270.0	50.0	50.0	1093.0	1093.0
79	10	16	24	(289)	5	6.30	271.0	55.0	55.0	929.0	110.0
79	10	17	1	(290)	5	7.10	272.0	30.0	30.0	2339.0	110.0
79	10	17	2	(290)	5	5.40	271.0	45.0	45.0	2412.0	110.0
79	10	17	3	(290)	5	5.40	271.0	30.0	30.0	2485.0	110.0
79	10	17	4	(290)	6	5.40	271.0	25.0	25.0	2558.0	110.0
79	10	17	5	(290)	5	4.90	271.0	335.0	335.0	2631.0	110.0
79	10	17	6	(290)	5	4.50	270.0	285.0	285.0	2705.0	110.0
79	10	17	7	(290)	5	4.00	270.0	275.0	275.0	156.0	255.0
79	10	17	8	(290)	5	5.40	270.0	295.0	295.0	369.0	454.0
79	10	17	9	(290)	2	4.90	273.0	325.0	325.0	583.0	654.0
79	10	17	10	(290)	4	4.50	276.0	5.0	5.0	1669.0	1669.0
79	10	17	11	(290)	4	5.40	279.0	10.0	10.0	1664.0	1664.0
79	10	17	12	(290)	4	7.10	281.0	15.0	15.0	1660.0	1660.0
79	10	17	13	(290)	4	8.50	282.0	20.0	20.0	1655.0	1655.0
79	10	17	14	(290)	5	8.90	282.0	20.0	20.0	1650.0	1650.0
79	10	17	15	(290)	4	8.50	281.0	15.0	15.0	1650.0	1650.0
79	10	17	16	(290)	4	6.70	281.0	5.0	5.0	1650.0	1650.0
79	10	17	17	(290)	4	7.60	282.0	15.0	15.0	1647.0	1647.0
79	10	17	18	(290)	4	6.70	281.0	5.0	5.0	1583.0	1583.0
79	10	17	19	(290)	4	5.40	280.0	10.0	10.0	1511.0	1511.0
79	10	17	20	(290)	5	4.50	280.0	15.0	15.0	1432.0	1093.0
79	10	17	21	(290)	5	5.40	280.0	25.0	25.0	1343.0	910.0
79	10	17	22	(290)	5	4.50	280.0	30.0	30.0	1243.0	726.0
79	10	17	23	(290)	5	3.60	279.0	25.0	25.0	1130.0	543.0
79	10	17	24	(290)	4	3.10	279.0	25.0	25.0	1001.0	1001.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	18	1	(291)	5	3.10	279.0	25.0	25.0	1799.0	360.0
79	10	18	2	(291)	5	3.10	278.0	10.0	10.0	1818.0	360.0
79	10	18	3	(291)	4	2.70	278.0	360.0	360.0	1836.0	1836.0
79	10	18	4	(291)	3	2.70	277.0	30.0	30.0	1855.0	360.0
79	10	18	5	(291)	4	4.50	277.0	80.0	80.0	1873.0	1873.0
79	10	18	6	(291)	3	5.80	279.0	90.0	90.0	1892.0	360.0
79	10	18	7	(291)	2	5.40	279.0	95.0	95.0	69.0	396.0
79	10	18	8	(291)	3	4.00	279.0	100.0	100.0	166.0	446.0
79	10	18	9	(291)	2	3.60	280.0	110.0	110.0	263.0	497.0
79	10	18	10	(291)	2	4.50	280.0	125.0	125.0	361.0	548.0
79	10	18	11	(291)	4	4.90	281.0	165.0	165.0	878.0	878.0
79	10	18	12	(291)	5	5.40	282.0	160.0	160.0	555.0	649.0
79	10	18	13	(291)	4	6.30	282.0	155.0	155.0	793.0	793.0
79	10	18	14	(291)	4	5.40	283.0	150.0	150.0	750.0	750.0
79	10	18	15	(291)	4	6.70	283.0	140.0	140.0	750.0	750.0
79	10	18	16	(291)	3	6.30	282.0	135.0	135.0	750.0	750.0
79	10	18	17	(291)	4	5.80	281.0	140.0	140.0	748.0	748.0
79	10	18	18	(291)	4	4.90	279.0	135.0	135.0	726.0	726.0
79	10	18	19	(291)	4	5.40	277.0	130.0	130.0	701.0	701.0
79	10	18	20	(291)	4	4.90	276.0	125.0	125.0	673.0	673.0
79	10	18	21	(291)	5	3.60	275.0	95.0	95.0	642.0	491.0
79	10	18	22	(291)	4	4.50	274.0	65.0	65.0	607.0	607.0
79	10	18	23	(291)	3	3.60	274.0	45.0	45.0	568.0	364.0
79	10	18	24	(291)	5	3.10	274.0	55.0	55.0	523.0	300.0
79	10	19	1	(292)	4	3.10	274.0	5.0	5.0	1215.0	1215.0
79	10	19	2	(292)	4	4.00	273.0	10.0	10.0	1272.0	1272.0
79	10	19	3	(292)	3	3.60	274.0	20.0	20.0	1329.0	300.0
79	10	19	4	(292)	5	5.40	275.0	30.0	30.0	1387.0	300.0
79	10	19	5	(292)	5	5.80	276.0	25.0	25.0	1444.0	300.0
79	10	19	6	(292)	5	5.40	277.0	35.0	35.0	1501.0	300.0
79	10	19	7	(292)	4	7.10	278.0	55.0	55.0	1258.0	1258.0
79	10	19	8	(292)	4	8.00	278.0	76.0	76.0	1294.0	1294.0
79	10	19	9	(292)	3	7.10	279.0	85.0	85.0	527.0	722.0
79	10	19	10	(292)	3	7.60	280.0	82.0	82.0	723.0	880.0
79	10	19	11	(292)	2	7.10	283.0	86.0	86.0	920.0	1037.0
79	10	19	12	(292)	3	6.70	285.0	110.0	110.0	1117.0	1195.0
79	10	19	13	(292)	3	7.10	286.0	120.0	120.0	1313.0	1352.0
79	10	19	14	(292)	4	9.80	286.0	122.0	122.0	1510.0	1510.0
79	10	19	15	(292)	4	8.50	287.0	120.0	120.0	1510.0	1510.0
79	10	19	16	(292)	5	8.50	286.0	140.0	140.0	1510.0	1510.0
79	10	19	17	(292)	5	6.30	285.0	145.0	145.0	1503.0	1489.0
79	10	19	18	(292)	5	5.40	283.0	145.0	145.0	1432.0	1291.0
79	10	19	19	(292)	5	4.90	282.0	135.0	135.0	1354.0	1092.0
79	10	19	20	(292)	5	4.50	280.0	120.0	120.0	1267.0	894.0
79	10	19	21	(292)	4	5.40	278.0	255.0	255.0	1170.0	1170.0
79	10	19	22	(292)	4	3.60	276.0	320.0	320.0	1060.0	1060.0
79	10	19	23	(292)	4	2.70	275.0	55.0	55.0	936.0	936.0
79	10	19	24	(292)	4	2.70	274.0	90.0	90.0	795.0	795.0

RAM SYSTEM METEOROLOGICAL FILE LISTING 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	20	1	(293)	4	3.10	274.0	85.0	85.0	1914.0	1914.0
79	10	20	2	(293)	4	4.00	273.0	92.0	92.0	1964.0	1964.0
79	10	20	3	(293)	3	3.10	274.0	95.0	95.0	2013.0	100.0
79	10	20	4	(293)	3	3.60	273.0	30.0	30.0	2063.0	100.0
79	10	20	5	(293)	4	4.50	274.0	20.0	20.0	2113.0	2113.0
79	10	20	6	(293)	4	4.50	273.0	5.0	5.0	2163.0	2163.0
79	10	20	7	(293)	4	3.10	272.0	25.0	25.0	1269.0	1269.0
79	10	20	8	(293)	5	3.60	274.0	330.0	330.0	249.0	327.0
79	10	20	9	(293)	3	4.00	277.0	10.0	10.0	399.0	464.0
79	10	20	10	(293)	4	3.60	283.0	30.0	30.0	1218.0	1218.0
79	10	20	11	(293)	4	6.30	288.0	40.0	40.0	1201.0	1201.0
79	10	20	12	(293)	4	5.80	290.0	35.0	35.0	1184.0	1184.0
79	10	20	13	(293)	4	7.10	291.0	40.0	40.0	1167.0	1167.0
79	10	20	14	(293)	4	6.70	292.0	28.0	28.0	1150.0	1150.0
79	10	20	15	(293)	4	6.70	293.0	25.0	25.0	1150.0	1150.0
79	10	20	16	(293)	5	7.60	293.0	35.0	35.0	1150.0	1150.0
79	10	20	17	(293)	5	7.60	293.0	25.0	25.0	1143.0	1131.0
79	10	20	18	(293)	5	6.30	292.0	32.0	32.0	1092.0	988.0
79	10	20	19	(293)	4	5.80	290.0	30.0	30.0	1035.0	1035.0
79	10	20	20	(293)	4	6.30	287.0	360.0	360.0	972.0	972.0
79	10	20	21	(293)	5	5.80	286.0	15.0	15.0	902.0	559.0
79	10	20	22	(293)	5	6.30	284.0	22.0	22.0	823.0	416.0
79	10	20	23	(293)	5	4.50	284.0	20.0	20.0	733.0	273.0
79	10	20	24	(293)	5	3.10	282.0	290.0	290.0	630.0	130.0
79	10	21	1	(294)	5	4.00	280.0	320.0	320.0	1273.0	130.0
79	10	21	2	(294)	5	3.10	280.0	270.0	270.0	1289.0	130.0
79	10	21	3	(294)	5	2.70	280.0	270.0	270.0	1304.0	130.0
79	10	21	4	(294)	5	3.60	280.0	275.0	275.0	1319.0	130.0
79	10	21	5	(294)	5	3.10	279.0	290.0	290.0	1334.0	130.0
79	10	21	6	(294)	4	2.70	278.0	250.0	250.0	1349.0	1349.0
79	10	21	7	(294)	5	4.00	278.0	255.0	255.0	37.0	156.0
79	10	21	8	(294)	3	4.90	279.0	330.0	330.0	96.0	198.0
79	10	21	9	(294)	4	4.00	279.0	85.0	85.0	615.0	615.0
79	10	21	10	(294)	3	3.60	282.0	74.0	74.0	214.0	282.0
79	10	21	11	(294)	3	2.20	286.0	355.0	355.0	273.0	324.0
79	10	21	12	(294)	3	2.70	290.0	355.0	355.0	332.0	366.0
79	10	21	13	(294)	3	3.10	293.0	330.0	330.0	391.0	408.0
79	10	21	14	(294)	3	4.00	296.0	295.0	295.0	450.0	450.0
79	10	21	15	(294)	3	5.40	294.0	345.0	345.0	450.0	450.0
79	10	21	16	(294)	3	6.30	292.0	355.0	355.0	450.0	450.0
79	10	21	17	(294)	4	4.90	290.0	10.0	10.0	447.0	447.0
79	10	21	18	(294)	4	5.40	289.0	5.0	5.0	431.0	431.0
79	10	21	19	(294)	4	4.90	288.0	5.0	5.0	412.0	412.0
79	10	21	20	(294)	3	5.40	287.0	15.0	15.0	392.0	304.0
79	10	21	21	(294)	5	5.40	287.0	30.0	30.0	369.0	258.0
79	10	21	22	(294)	5	5.40	288.0	25.0	25.0	343.0	212.0
79	10	21	23	(294)	5	5.80	289.0	55.0	55.0	314.0	166.0
79	10	21	24	(294)	4	6.70	289.0	75.0	75.0	281.0	281.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	22	1	(295)	3	7.10	289.0	80.0	80.0	465.0	120.0
79	10	22	2	(295)	3	7.60	288.0	95.0	95.0	467.0	120.0
79	10	22	3	(295)	2	6.30	288.0	115.0	115.0	469.0	120.0
79	10	22	4	(295)	2	5.40	288.0	110.0	110.0	471.0	120.0
79	10	22	5	(295)	3	5.80	287.0	115.0	115.0	473.0	120.0
79	10	22	6	(295)	4	6.70	286.0	135.0	135.0	475.0	475.0
79	10	22	7	(295)	4	5.80	284.0	130.0	130.0	256.0	256.0
79	10	22	8	(295)	4	6.30	283.0	135.0	135.0	242.0	242.0
79	10	22	9	(295)	4	6.70	283.0	140.0	140.0	228.0	228.0
79	10	22	10	(295)	4	7.10	283.0	135.0	135.0	215.0	215.0
79	10	22	11	(295)	4	7.60	283.0	137.0	137.0	201.0	201.0
79	10	22	12	(295)	4	7.10	283.0	142.0	142.0	187.0	187.0
79	10	22	13	(295)	4	7.60	283.0	138.0	138.0	174.0	174.0
79	10	22	14	(295)	4	7.10	282.0	145.0	145.0	160.0	160.0
79	10	22	15	(295)	4	6.70	282.0	140.0	140.0	160.0	160.0
79	10	22	16	(295)	4	5.80	281.0	142.0	142.0	160.0	160.0
79	10	22	17	(295)	5	5.40	280.0	170.0	170.0	170.0	189.0
79	10	22	18	(295)	5	5.40	279.0	185.0	185.0	223.0	336.0
79	10	22	19	(295)	5	4.90	278.0	175.0	175.0	282.0	483.0
79	10	22	20	(295)	5	6.30	276.0	181.0	181.0	348.0	631.0
79	10	22	21	(295)	5	5.40	276.0	172.0	172.0	421.0	778.0
79	10	22	22	(295)	5	7.60	276.0	168.0	168.0	504.0	925.0
79	10	22	23	(295)	5	6.30	276.0	165.0	165.0	598.0	1073.0
79	10	22	24	(295)	5	5.40	275.0	175.0	175.0	705.0	1220.0
79	10	23	1	(296)	5	6.70	274.0	165.0	165.0	237.0	1220.0
79	10	23	2	(296)	5	6.30	274.0	155.0	155.0	247.0	1220.0
79	10	23	3	(296)	5	6.70	273.0	151.0	151.0	256.0	1220.0
79	10	23	4	(296)	5	5.40	273.0	148.0	148.0	266.0	1220.0
79	10	23	5	(296)	5	5.80	272.0	142.0	142.0	275.0	1220.0
79	10	23	6	(296)	4	5.40	272.0	140.0	140.0	285.0	285.0
79	10	23	7	(296)	4	5.40	272.0	135.0	135.0	1004.0	1004.0
79	10	23	8	(296)	4	4.90	272.0	95.0	95.0	1064.0	1064.0
79	10	23	9	(296)	4	5.40	274.0	142.0	142.0	1123.0	1123.0
79	10	23	10	(296)	4	5.40	274.0	160.0	160.0	1183.0	1183.0
79	10	23	11	(296)	5	5.80	275.0	165.0	165.0	858.0	1341.0
79	10	23	12	(296)	5	6.30	276.0	155.0	155.0	1045.0	1367.0
79	10	23	13	(296)	4	4.50	277.0	145.0	145.0	1361.0	1361.0
79	10	23	14	(296)	3	4.50	278.0	110.0	110.0	1420.0	1420.0
79	10	23	15	(296)	1	4.90	278.0	115.0	115.0	1420.0	1420.0
79	10	23	16	(296)	1	3.60	279.0	135.0	135.0	1420.0	1420.0
79	10	23	17	(296)	2	2.70	279.0	115.0	115.0	1408.0	1386.0
79	10	23	18	(296)	4	1.80	279.0	340.0	340.0	1352.0	1352.0
79	10	23	19	(296)	5	3.10	278.0	335.0	335.0	1290.0	1078.0
79	10	23	20	(296)	4	4.90	277.0	5.0	5.0	1221.0	1221.0
79	10	23	21	(296)	4	5.80	276.0	5.0	5.0	1144.0	1144.0
79	10	23	22	(296)	3	5.40	275.0	360.0	360.0	1058.0	617.0
79	10	23	23	(296)	4	4.90	275.0	5.0	5.0	960.0	960.0
79	10	23	24	(296)	3	3.60	274.0	360.0	360.0	847.0	310.0

RAM SYSTEM METEOROLOGICAL FILE LISTING 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	24	1	(297)	4	4.50	275.0	360.0	360.0	1804.0	1804.0
79	10	24	2	(297)	3	5.40	275.0	355.0	355.0	1851.0	310.0
79	10	24	3	(297)	4	5.80	275.0	5.0	5.0	1898.0	1898.0
79	10	24	4	(297)	4	7.10	275.0	7.0	7.0	1944.0	1944.0
79	10	24	5	(297)	4	7.10	275.0	5.0	5.0	1991.0	1991.0
79	10	24	6	(297)	4	6.70	275.0	4.0	4.0	2037.0	2037.0
79	10	24	7	(297)	4	7.60	275.0	3.0	3.0	1340.0	1340.0
79	10	24	8	(297)	4	8.00	274.0	6.0	6.0	1334.0	1334.0
79	10	24	9	(297)	4	7.60	274.0	5.0	5.0	1328.0	1328.0
79	10	24	10	(297)	4	8.00	275.0	7.0	7.0	1323.0	1323.0
79	10	24	11	(297)	4	7.60	281.0	20.0	20.0	1317.0	1317.0
79	10	24	12	(297)	4	7.60	283.0	20.0	20.0	1311.0	1311.0
79	10	24	13	(297)	4	7.60	284.0	25.0	25.0	1306.0	1306.0
79	10	24	14	(297)	4	7.60	285.0	30.0	30.0	1300.0	1300.0
79	10	24	15	(297)	6	9.40	285.0	18.0	18.0	1300.0	1300.0
79	10	24	16	(297)	5	8.90	285.0	10.0	10.0	1300.0	1300.0
79	10	24	17	(297)	5	8.50	286.0	15.0	15.0	1289.0	1269.0
79	10	24	18	(297)	5	6.70	285.0	5.0	5.0	1244.0	1145.0
79	10	24	19	(297)	5	5.80	283.0	6.0	6.0	1193.0	1021.0
79	10	24	20	(297)	4	6.70	282.0	5.0	5.0	1137.0	1137.0
79	10	24	21	(297)	4	5.80	281.0	3.0	3.0	1075.0	1075.0
79	10	24	22	(297)	4	6.70	281.0	8.0	8.0	1005.0	1005.0
79	10	24	23	(297)	4	5.80	280.0	360.0	360.0	925.0	925.0
79	10	24	24	(297)	4	6.30	280.0	4.0	4.0	834.0	834.0
79	10	25	1	(298)	5	6.30	280.0	5.0	5.0	1378.0	400.0
79	10	25	2	(298)	4	5.80	280.0	4.0	4.0	1387.0	1387.0
79	10	25	3	(298)	4	5.40	279.0	360.0	360.0	1397.0	1397.0
79	10	25	4	(298)	3	5.40	279.0	1.0	1.0	1406.0	400.0
79	10	25	5	(298)	4	5.40	279.0	6.0	6.0	1415.0	1415.0
79	10	25	6	(298)	4	4.90	279.0	9.0	9.0	1425.0	1425.0
79	10	25	7	(298)	4	5.40	279.0	10.0	10.0	830.0	830.0
79	10	25	8	(298)	5	4.90	279.0	18.0	18.0	122.0	441.0
79	10	25	9	(298)	5	4.00	280.0	28.0	28.0	201.0	467.0
79	10	25	10	(298)	4	4.50	281.0	31.0	31.0	732.0	732.0
79	10	25	11	(298)	4	6.70	284.0	68.0	68.0	699.0	699.0
79	10	25	12	(298)	1	8.00	285.0	96.0	96.0	441.0	547.0
79	10	25	13	(298)	3	7.10	283.0	92.0	92.0	520.0	573.0
79	10	25	14	(298)	3	6.70	282.0	120.0	120.0	600.0	600.0
79	10	25	15	(298)	3	7.60	281.0	109.0	109.0	600.0	600.0
79	10	25	16	(298)	4	7.10	281.0	134.0	134.0	600.0	600.0
79	10	25	17	(298)	4	7.60	280.0	138.0	138.0	604.0	604.0
79	10	25	18	(298)	4	6.30	280.0	137.0	137.0	617.0	617.0
79	10	25	19	(298)	4	6.30	279.0	125.0	125.0	632.0	632.0
79	10	25	20	(298)	3	5.80	278.0	100.0	100.0	649.0	722.0
79	10	25	21	(298)	3	6.30	277.0	101.0	101.0	668.0	759.0
79	10	25	22	(298)	3	5.40	277.0	93.0	93.0	689.0	796.0
79	10	25	23	(298)	4	5.40	276.0	81.0	81.0	713.0	713.0
79	10	25	24	(298)	4	5.80	275.0	69.0	69.0	740.0	740.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	26	1	(299)	4	4.90	275.0	82.0	82.0	1033.0	1033.0
79	10	26	2	(299)	4	4.50	275.0	78.0	78.0	1085.0	1085.0
79	10	26	3	(299)	4	5.40	275.0	67.0	67.0	1137.0	1137.0
79	10	26	4	(299)	4	4.90	275.0	83.0	83.0	1189.0	1189.0
79	10	26	5	(299)	4	4.90	275.0	78.0	78.0	1241.0	1241.0
79	10	26	6	(299)	4	4.50	275.0	71.0	71.0	1293.0	1293.0
79	10	26	7	(299)	4	4.50	275.0	67.0	67.0	1527.0	1527.0
79	10	26	8	(299)	4	4.00	275.0	78.0	78.0	1591.0	1591.0
79	10	26	9	(299)	3	4.50	275.0	89.0	89.0	660.0	1240.0
79	10	26	10	(299)	4	2.70	275.0	137.0	137.0	1721.0	1721.0
79	10	26	11	(299)	4	4.00	276.0	128.0	128.0	1786.0	1786.0
79	10	26	12	(299)	4	4.90	276.0	111.0	111.0	1850.0	1850.0
79	10	26	13	(299)	3	3.60	277.0	129.0	129.0	1716.0	1832.0
79	10	26	14	(299)	2	4.00	278.0	102.0	102.0	1980.0	1980.0
79	10	26	15	(299)	3	4.50	279.0	85.0	85.0	1980.0	1980.0
79	10	26	16	(299)	4	4.00	278.0	75.0	75.0	1980.0	1980.0
79	10	26	17	(299)	4	3.60	278.0	79.0	79.0	1951.0	1951.0
79	10	26	18	(299)	4	3.10	277.0	108.0	108.0	1853.0	1853.0
79	10	26	19	(299)	4	3.10	277.0	102.0	102.0	1744.0	1744.0
79	10	26	20	(299)	5	2.70	276.0	81.0	81.0	1623.0	1102.0
79	10	26	21	(299)	5	2.70	276.0	33.0	33.0	1488.0	836.0
79	10	26	22	(299)	5	3.10	276.0	28.0	28.0	1336.0	571.0
79	10	26	23	(299)	5	3.60	276.0	21.0	21.0	1164.0	305.0
79	10	26	24	(299)	5	4.00	276.0	28.0	28.0	967.0	40.0
79	10	27	1	(300)	5	3.60	276.0	36.0	36.0	2336.0	40.0
79	10	27	2	(300)	4	3.60	275.0	37.0	37.0	2378.0	2378.0
79	10	27	3	(300)	5	4.00	276.0	32.0	32.0	2421.0	40.0
79	10	27	4	(300)	5	3.60	276.0	33.0	33.0	2464.0	40.0
79	10	27	5	(300)	4	4.50	276.0	51.0	51.0	2506.0	2506.0
79	10	27	6	(300)	5	5.40	275.0	28.0	28.0	2549.0	40.0
79	10	27	7	(300)	5	4.50	275.0	30.0	30.0	60.0	98.0
79	10	27	8	(300)	4	4.00	275.0	24.0	24.0	1240.0	1240.0
79	10	27	9	(300)	4	3.10	279.0	341.0	341.0	1191.0	1191.0
79	10	27	10	(300)	4	3.60	276.0	356.0	356.0	1143.0	1143.0
79	10	27	11	(300)	4	5.30	281.0	31.0	31.0	1095.0	1095.0
79	10	27	12	(300)	2	7.10	283.0	85.0	85.0	696.0	707.0
79	10	27	13	(300)	1	10.30	284.0	95.0	95.0	823.0	828.0
79	10	27	14	(300)	2	10.70	283.0	115.0	115.0	950.0	950.0
79	10	27	15	(300)	3	9.80	282.0	130.0	130.0	950.0	950.0
79	10	27	16	(300)	4	7.60	281.0	110.0	110.0	950.0	950.0
79	10	27	17	(300)	3	8.00	280.0	110.0	110.0	936.0	910.0
79	10	27	18	(300)	2	7.60	279.0	95.0	95.0	892.0	791.0
79	10	27	19	(300)	2	7.10	278.0	95.0	95.0	843.0	673.0
79	10	27	20	(300)	1	6.70	278.0	95.0	95.0	789.0	554.0
79	10	27	21	(300)	3	5.80	277.0	95.0	95.0	728.0	436.0
79	10	27	22	(300)	2	5.40	277.0	110.0	110.0	660.0	317.0
79	10	27	23	(300)	4	5.80	276.0	100.0	100.0	582.0	582.0
79	10	27	24	(300)	4	4.20	275.0	85.0	85.0	494.0	494.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	28	1	(301)	4	4.90	274.0	85.0	85.0	1420.0	1420.0
79	10	28	2	(301)	4	3.10	273.0	70.0	70.0	1476.0	1476.0
79	10	28	3	(301)	5	3.60	272.0	75.0	75.0	1532.0	80.0
79	10	28	4	(301)	5	3.10	272.0	85.0	85.0	1588.0	80.0
79	10	28	5	(301)	5	4.50	272.0	95.0	95.0	1644.0	80.0
79	10	28	6	(301)	5	3.60	271.0	95.0	95.0	1701.0	80.0
79	10	28	7	(301)	5	4.50	271.0	100.0	100.0	77.0	152.0
79	10	28	8	(301)	5	4.50	271.0	95.0	95.0	249.0	314.0
79	10	28	9	(301)	5	3.10	272.0	110.0	110.0	421.0	475.0
79	10	28	10	(301)	4	4.00	274.0	140.0	140.0	1218.0	1218.0
79	10	28	11	(301)	4	5.80	276.0	140.0	140.0	1234.0	1234.0
79	10	28	12	(301)	4	7.10	275.0	135.0	135.0	1249.0	1249.0
79	10	28	13	(301)	4	6.30	277.0	135.0	135.0	1265.0	1265.0
79	10	28	14	(301)	4	6.70	277.0	130.0	130.0	1280.0	1280.0
79	10	28	15	(301)	4	5.40	278.0	130.0	130.0	1280.0	1280.0
79	10	28	16	(301)	1	4.50	278.0	130.0	130.0	1280.0	1280.0
79	10	28	17	(301)	3	3.60	277.0	115.0	115.0	1262.0	1227.0
79	10	28	18	(301)	5	3.10	276.0	130.0	130.0	1208.0	1084.0
79	10	28	19	(301)	4	2.20	274.0	160.0	160.0	1148.0	1148.0
79	10	28	20	(301)	5	2.20	272.0	230.0	230.0	1082.0	796.0
79	10	28	21	(301)	5	4.90	271.0	240.0	240.0	1008.0	652.0
79	10	28	22	(301)	5	3.60	270.0	310.0	310.0	925.0	508.0
79	10	28	23	(301)	4	3.10	271.0	290.0	290.0	830.0	830.0
79	10	28	24	(301)	6	3.10	271.0	100.0	100.0	722.0	220.0
79	10	29	1	(302)	5	3.10	270.0	310.0	310.0	1841.0	220.0
79	10	29	2	(302)	6	3.10	270.0	30.0	30.0	1908.0	220.0
79	10	29	3	(302)	5	3.60	270.0	270.0	270.0	1975.0	220.0
79	10	29	4	(302)	5	3.10	271.0	240.0	240.0	2042.0	220.0
79	10	29	5	(302)	5	3.60	271.0	230.0	230.0	2108.0	220.0
79	10	29	6	(302)	5	3.10	271.0	270.0	270.0	2175.0	220.0
79	10	29	7	(302)	5	4.90	271.0	265.0	265.0	94.0	302.0
79	10	29	8	(302)	5	3.60	271.0	255.0	255.0	316.0	494.0
79	10	29	9	(302)	4	3.60	273.0	350.0	350.0	1564.0	1564.0
79	10	29	10	(302)	3	4.50	275.0	350.0	350.0	761.0	880.0
79	10	29	11	(302)	4	5.40	278.0	350.0	350.0	1598.0	1598.0
79	10	29	12	(302)	3	6.70	279.0	355.0	355.0	1205.0	1265.0
79	10	29	13	(302)	3	7.10	279.0	340.0	340.0	1428.0	1457.0
79	10	29	14	(302)	3	8.00	279.0	330.0	330.0	1650.0	1650.0
79	10	29	15	(302)	2	8.50	279.0	325.0	325.0	1650.0	1650.0
79	10	29	16	(302)	3	8.00	280.0	315.0	315.0	1650.0	1650.0
79	10	29	17	(302)	3	8.90	279.0	315.0	315.0	1623.0	1573.0
79	10	29	18	(302)	3	8.50	278.0	320.0	320.0	1548.0	1375.0
79	10	29	19	(302)	3	8.90	278.0	315.0	315.0	1466.0	1178.0
79	10	29	20	(302)	3	10.30	278.0	330.0	330.0	1375.0	980.0
79	10	29	21	(302)	3	8.00	278.0	325.0	325.0	1273.0	783.0
79	10	29	22	(302)	2	7.60	277.0	335.0	335.0	1158.0	585.0
79	10	29	23	(302)	2	8.90	278.0	335.0	335.0	1028.0	388.0
79	10	29	24	(302)	2	7.10	278.0	340.0	340.0	879.0	190.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	10	30	1	(303)	2	8.00	278.0	345.0	345.0	1811.0	190.0
79	10	30	2	(303)	3	7.60	278.0	355.0	355.0	1830.0	190.0
79	10	30	3	(303)	4	8.90	278.0	355.0	355.0	1849.0	1849.0
79	10	30	4	(303)	3	8.90	277.0	322.0	322.0	1869.0	190.0
79	10	30	5	(303)	3	8.50	277.0	360.0	360.0	1888.0	190.0
79	10	30	6	(303)	3	7.10	276.0	355.0	355.0	1907.0	190.0
79	10	30	7	(303)	3	7.60	277.0	355.0	355.0	32.0	212.0
79	10	30	8	(303)	3	8.90	279.0	360.0	360.0	113.0	267.0
79	10	30	9	(303)	4	8.90	282.0	5.0	5.0	845.0	845.0
79	10	30	10	(303)	4	8.90	285.0	10.0	10.0	796.0	796.0
79	10	30	11	(303)	4	8.90	287.0	20.0	20.0	747.0	747.0
79	10	30	12	(303)	4	8.90	289.0	25.0	25.0	698.0	698.0
79	10	30	13	(303)	4	10.70	291.0	35.0	35.0	649.0	649.0
79	10	30	14	(303)	4	9.80	291.0	40.0	40.0	600.0	600.0
79	10	30	15	(303)	4	10.70	291.0	40.0	40.0	600.0	600.0
79	10	30	16	(303)	4	9.80	290.0	45.0	45.0	600.0	600.0
79	10	30	17	(303)	4	8.00	288.0	45.0	45.0	596.0	596.0
79	10	30	18	(303)	5	7.10	287.0	40.0	40.0	584.0	558.0
79	10	30	19	(303)	5	6.70	286.0	95.0	95.0	572.0	528.0
79	10	30	20	(303)	4	7.60	284.0	130.0	130.0	558.0	558.0
79	10	30	21	(303)	4	10.30	280.0	135.0	135.0	543.0	543.0
79	10	30	22	(303)	5	7.60	279.0	130.0	130.0	525.0	439.0
79	10	30	23	(303)	4	6.30	278.0	125.0	125.0	506.0	506.0
79	10	30	24	(303)	4	6.70	278.0	110.0	110.0	483.0	483.0
79	10	31	1	(304)	4	6.30	277.0	110.0	110.0	805.0	805.0
79	10	31	2	(304)	4	5.80	277.0	120.0	120.0	829.0	829.0
79	10	31	3	(304)	4	6.30	276.0	115.0	115.0	853.0	853.0
79	10	31	4	(304)	4	5.80	275.0	110.0	110.0	878.0	878.0
79	10	31	5	(304)	4	5.80	276.0	135.0	135.0	902.0	902.0
79	10	31	6	(304)	4	6.30	275.0	130.0	130.0	926.0	926.0
79	10	31	7	(304)	4	4.50	274.0	95.0	95.0	802.0	802.0
79	10	31	8	(304)	3	3.60	276.0	135.0	135.0	167.0	477.0
79	10	31	9	(304)	4	4.00	277.0	155.0	155.0	830.0	830.0
79	10	31	10	(304)	4	3.60	279.0	175.0	175.0	844.0	844.0
79	10	31	11	(304)	1	3.10	281.0	155.0	155.0	534.0	688.0
79	10	31	12	(304)	1	3.60	281.0	130.0	130.0	656.0	759.0
79	10	31	13	(304)	1	3.10	282.0	135.0	135.0	778.0	829.0
79	10	31	14	(304)	2	3.60	283.0	95.0	95.0	900.0	900.0
79	10	31	15	(304)	3	2.70	283.0	60.0	60.0	900.0	900.0
79	10	31	16	(304)	3	2.70	283.0	80.0	80.0	900.0	900.0
79	10	31	17	(304)	4	2.70	281.0	25.0	25.0	883.0	883.0
79	10	31	18	(304)	5	3.60	279.0	90.0	90.0	843.0	747.0
79	10	31	19	(304)	5	4.00	277.0	90.0	90.0	798.0	641.0
79	10	31	20	(304)	5	4.00	276.0	95.0	95.0	749.0	534.0
79	10	31	21	(304)	5	4.50	275.0	85.0	85.0	693.0	428.0
79	10	31	22	(304)	5	5.40	272.0	90.0	90.0	631.0	322.0
79	10	31	23	(304)	5	7.10	274.0	90.0	90.0	561.0	216.0
79	10	31	24	(304)	5	7.60	274.0	85.0	85.0	480.0	110.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	1	1	(305)	5	7.60	274.0	85.0	85.0	456.0	110.0
79	11	1	2	(305)	5	5.80	273.0	91.0	91.0	1191.0	110.0
79	11	1	3	(305)	5	6.30	273.0	76.0	76.0	1226.0	110.0
79	11	1	4	(305)	5	5.80	273.0	84.0	84.0	1260.0	110.0
79	11	1	5	(305)	5	5.40	273.0	93.0	93.0	1295.0	110.0
79	11	1	6	(305)	5	6.30	272.0	76.0	76.0	1329.0	110.0
79	11	1	7	(305)	5	5.80	272.0	73.0	73.0	1364.0	110.0
79	11	1	8	(305)	4	3.60	272.0	94.0	94.0	866.0	866.0
79	11	1	9	(305)	3	3.10	274.0	92.0	92.0	158.0	248.0
79	11	1	10	(305)	3	1.30	277.0	313.0	313.0	273.0	348.0
79	11	1	11	(305)	4	2.70	281.0	319.0	319.0	859.0	859.0
79	11	1	12	(305)	4	6.70	284.0	34.0	34.0	857.0	857.0
79	11	1	13	(305)	5	7.60	285.0	33.0	33.0	619.0	649.0
79	11	1	14	(305)	4	7.10	286.0	40.0	40.0	852.0	852.0
79	11	1	15	(305)	5	7.60	286.0	39.0	39.0	850.0	850.0
79	11	1	16	(305)	5	6.70	286.0	33.0	33.0	850.0	850.0
79	11	1	17	(305)	5	6.30	285.0	36.0	36.0	850.0	850.0
79	11	1	18	(305)	5	5.40	283.0	32.0	32.0	834.0	806.0
79	11	1	19	(305)	5	5.40	282.0	23.0	23.0	797.0	706.0
79	11	1	20	(305)	5	5.80	281.0	18.0	18.0	755.0	607.0
79	11	1	21	(305)	5	5.40	279.0	22.0	22.0	708.0	508.0
79	11	1	22	(305)	5	4.90	279.0	12.0	12.0	656.0	408.0
79	11	1	23	(305)	4	5.80	278.0	29.0	29.0	598.0	598.0
79	11	1	24	(305)	3	5.40	277.0	13.0	13.0	532.0	209.0
79	11	2	1	(306)	3	6.70	280.0	93.0	93.0	247.0	70.0
79	11	2	2	(306)	4	7.60	280.0	75.0	75.0	984.0	984.0
79	11	2	3	(306)	4	6.70	280.0	73.0	73.0	1000.0	1000.0
79	11	2	4	(306)	4	7.10	279.0	65.0	65.0	1016.0	1016.0
79	11	2	5	(306)	4	7.60	279.0	86.0	86.0	1032.0	1032.0
79	11	2	6	(306)	4	6.70	278.0	97.0	97.0	1047.0	1047.0
79	11	2	7	(306)	4	6.70	278.0	85.0	85.0	1063.0	1063.0
79	11	2	8	(306)	4	5.80	277.0	108.0	108.0	580.0	580.0
79	11	2	9	(306)	4	7.10	278.0	96.0	96.0	562.0	562.0
79	11	2	10	(306)	4	6.30	281.0	84.0	84.0	543.0	543.0
79	11	2	11	(306)	5	3.10	284.0	73.0	73.0	205.0	265.0
79	11	2	12	(306)	4	0.80	288.0	185.0	185.0	506.0	506.0
79	11	2	13	(306)	4	2.00	286.0	183.0	183.0	487.0	487.0
79	11	2	14	(306)	1	3.80	289.0	94.0	94.0	389.0	404.0
79	11	2	15	(306)	5	0.90	285.0	355.0	355.0	450.0	450.0
79	11	2	16	(306)	2	1.70	290.0	289.0	289.0	450.0	450.0
79	11	2	17	(306)	6	6.60	292.0	333.0	333.0	450.0	450.0
79	11	2	18	(306)	5	6.20	291.0	16.0	16.0	441.0	426.0
79	11	2	19	(306)	3	5.00	286.0	162.0	162.0	422.0	375.0
79	11	2	20	(306)	3	2.80	285.0	27.0	27.0	401.0	324.0
79	11	2	21	(306)	5	2.00	283.0	80.0	80.0	377.0	273.0
79	11	2	22	(306)	4	1.70	281.0	102.0	102.0	350.0	350.0
79	11	2	23	(306)	6	1.40	279.0	279.0	279.0	320.0	172.0
79	11	2	24	(306)	5	2.00	278.0	270.0	270.0	286.0	121.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	3	1	(307)	5	3.60	277.0	298.0	298.0	290.0	100.0
79	11	3	2	(307)	5	6.20	278.0	280.0	280.0	624.0	70.0
79	11	3	3	(307)	6	5.40	278.0	265.0	265.0	644.0	70.0
79	11	3	4	(307)	5	3.70	275.0	21.0	21.0	665.0	70.0
79	11	3	5	(307)	5	1.70	275.0	302.0	302.0	685.0	70.0
79	11	3	6	(307)	5	2.60	274.0	283.0	283.0	706.0	70.0
79	11	3	7	(307)	5	2.90	273.0	162.0	162.0	726.0	70.0
79	11	3	8	(307)	4	5.00	274.0	70.0	70.0	490.0	490.0
79	11	3	9	(307)	5	3.70	277.0	70.0	70.0	92.0	149.0
79	11	3	10	(307)	4	1.40	281.0	116.0	116.0	496.0	496.0
79	11	3	11	(307)	2	1.80	285.0	139.0	139.0	231.0	270.0
79	11	3	12	(307)	3	3.90	289.0	160.0	160.0	301.0	330.0
79	11	3	13	(307)	3	4.90	293.0	179.0	179.0	371.0	390.0
79	11	3	14	(307)	4	6.40	295.0	201.0	201.0	507.0	507.0
79	11	3	15	(307)	5	6.70	295.0	197.0	197.0	510.0	510.0
79	11	3	16	(307)	4	5.70	295.0	96.0	96.0	510.0	510.0
79	11	3	17	(307)	5	1.60	294.0	194.0	194.0	510.0	510.0
79	11	3	18	(307)	5	7.00	292.0	194.0	194.0	500.0	483.0
79	11	3	19	(307)	5	5.80	291.0	198.0	198.0	479.0	428.0
79	11	3	20	(307)	5	5.50	290.0	204.0	204.0	456.0	373.0
79	11	3	21	(307)	5	5.50	290.0	217.0	217.0	430.0	319.0
79	11	3	22	(307)	5	4.70	289.0	238.0	238.0	402.0	264.0
79	11	3	23	(307)	5	4.10	288.0	262.0	262.0	369.0	209.0
79	11	3	24	(307)	5	5.00	287.0	242.0	242.0	332.0	155.0
79	11	4	1	(308)	5	6.40	286.0	275.0	275.0	288.0	80.0
79	11	4	2	(308)	4	6.70	286.0	291.0	291.0	680.0	680.0
79	11	4	3	(308)	5	5.20	286.0	347.0	347.0	700.0	100.0
79	11	4	4	(308)	5	5.50	285.0	351.0	351.0	720.0	100.0
79	11	4	5	(308)	5	4.90	283.0	320.0	320.0	740.0	100.0
79	11	4	6	(308)	5	5.20	282.0	333.0	333.0	760.0	100.0
79	11	4	7	(308)	5	4.40	282.0	341.0	341.0	780.0	100.0
79	11	4	8	(308)	5	4.20	281.0	327.0	327.0	21.0	117.0
79	11	4	9	(308)	5	4.70	281.0	357.0	357.0	94.0	176.0
79	11	4	10	(308)	5	4.70	282.0	14.0	14.0	167.0	235.0
79	11	4	11	(308)	5	3.80	283.0	18.0	18.0	239.0	294.0
79	11	4	12	(308)	5	3.60	285.0	30.0	30.0	312.0	353.0
79	11	4	13	(308)	4	3.10	285.0	65.0	65.0	528.0	528.0
79	11	4	14	(308)	3	2.70	286.0	71.0	71.0	457.0	471.0
79	11	4	15	(308)	3	3.10	286.0	53.0	53.0	530.0	530.0
79	11	4	16	(308)	5	3.10	286.0	73.0	73.0	530.0	530.0
79	11	4	17	(308)	4	3.60	284.0	75.0	75.0	530.0	530.0
79	11	4	18	(308)	4	4.00	283.0	78.0	78.0	519.0	519.0
79	11	4	19	(308)	5	3.60	282.0	92.0	92.0	496.0	439.0
79	11	4	20	(308)	5	3.10	281.0	98.0	98.0	470.0	379.0
79	11	4	21	(308)	4	3.10	280.0	117.0	117.0	442.0	442.0
79	11	4	22	(308)	4	2.70	279.0	118.0	118.0	410.0	410.0
79	11	4	23	(308)	3	3.80	278.0	112.0	112.0	375.0	200.0
79	11	4	24	(308)	4	5.10	278.0	128.0	128.0	334.0	334.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	5	1	(309)	5	5.10	278.0	128.0	128.0	416.0	600.0
79	11	5	2	(309)	4	5.50	278.0	143.0	143.0	578.0	578.0
79	11	5	3	(309)	3	4.60	278.0	145.0	145.0	583.0	80.0
79	11	5	4	(309)	3	4.30	278.0	109.0	109.0	589.0	80.0
79	11	5	5	(309)	3	4.80	278.0	139.0	139.0	594.0	80.0
79	11	5	6	(309)	3	4.60	280.0	180.0	180.0	600.0	80.0
79	11	5	7	(309)	3	4.70	281.0	173.0	173.0	605.0	80.0
79	11	5	8	(309)	3	3.90	281.0	180.0	180.0	7.0	84.0
79	11	5	9	(309)	4	4.30	282.0	201.0	201.0	292.0	292.0
79	11	5	10	(309)	4	3.80	284.0	194.0	194.0	277.0	277.0
79	11	5	11	(309)	4	3.90	283.0	214.0	214.0	261.0	261.0
79	11	5	12	(309)	5	5.50	285.0	223.0	223.0	117.0	150.0
79	11	5	13	(309)	4	6.10	286.0	260.0	260.0	231.0	231.0
79	11	5	14	(309)	4	6.70	286.0	263.0	263.0	215.0	215.0
79	11	5	15	(309)	4	5.50	287.0	257.0	257.0	200.0	200.0
79	11	5	16	(309)	4	7.50	287.0	278.0	278.0	200.0	200.0
79	11	5	17	(309)	4	5.90	286.0	265.0	265.0	200.0	200.0
79	11	5	18	(309)	4	6.30	284.0	269.0	269.0	210.0	210.0
79	11	5	19	(309)	4	5.20	283.0	266.0	266.0	231.0	231.0
79	11	5	20	(309)	4	6.00	283.0	272.0	272.0	254.0	254.0
79	11	5	21	(309)	4	7.40	282.0	282.0	282.0	279.0	279.0
79	11	5	22	(309)	4	6.20	280.0	283.0	283.0	307.0	307.0
79	11	5	23	(309)	4	5.70	279.0	275.0	275.0	339.0	339.0
79	11	5	24	(309)	4	4.90	279.0	260.0	260.0	375.0	375.0
79	11	6	1	(310)	4	5.40	278.0	266.0	266.0	540.0	540.0
79	11	6	2	(310)	4	5.80	277.0	266.0	266.0	415.0	415.0
79	11	6	3	(310)	4	5.80	276.0	265.0	265.0	440.0	440.0
79	11	6	4	(310)	4	5.50	276.0	263.0	263.0	465.0	465.0
79	11	6	5	(310)	4	5.00	275.0	259.0	259.0	490.0	490.0
79	11	6	6	(310)	4	6.00	276.0	269.0	269.0	515.0	515.0
79	11	6	7	(310)	4	5.30	275.0	261.0	261.0	540.0	540.0
79	11	6	8	(310)	4	4.70	275.0	267.0	267.0	835.0	835.0
79	11	6	9	(310)	4	6.00	276.0	283.0	283.0	879.0	879.0
79	11	6	10	(310)	3	7.00	277.0	298.0	298.0	353.0	767.0
79	11	6	11	(310)	3	7.10	277.0	304.0	304.0	510.0	842.0
79	11	6	12	(310)	4	7.20	278.0	309.0	309.0	1009.0	1009.0
79	11	6	13	(310)	4	6.50	279.0	305.0	305.0	1053.0	1053.0
79	11	6	14	(310)	4	5.70	279.0	302.0	302.0	1096.0	1096.0
79	11	6	15	(310)	4	5.80	280.0	302.0	302.0	1140.0	1140.0
79	11	6	16	(310)	4	5.70	279.0	312.0	312.0	1140.0	1140.0
79	11	6	17	(310)	5	3.20	278.0	323.0	323.0	1140.0	1140.0
79	11	6	18	(310)	5	1.30	277.0	349.0	349.0	1110.0	1056.0
79	11	6	19	(310)	6	3.80	276.0	341.0	341.0	1053.0	909.0
79	11	6	20	(310)	5	4.10	275.0	341.0	341.0	990.0	763.0
79	11	6	21	(310)	5	3.80	274.0	332.0	332.0	920.0	616.0
79	11	6	22	(310)	6	0.20	272.0	220.0	220.0	841.0	470.0
79	11	6	23	(310)	6	0.00	271.0	286.0	286.0	753.0	323.0
79	11	6	24	(310)	6	0.00	270.0	289.0	289.0	654.0	177.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	7	1	(311)	6	0.00	270.0	296.0	296.0	616.0	200.0
79	11	7	2	(311)	6	0.40	269.0	290.0	290.0	1570.0	30.0
79	11	7	3	(311)	5	1.50	269.0	291.0	291.0	1620.0	30.0
79	11	7	4	(311)	5	2.10	268.0	283.0	283.0	1670.0	30.0
79	11	7	5	(311)	5	3.00	268.0	283.0	283.0	1720.0	30.0
79	11	7	6	(311)	5	3.70	268.0	293.0	293.0	1770.0	30.0
79	11	7	7	(311)	5	3.30	268.0	305.0	305.0	1820.0	30.0
79	11	7	8	(311)	5	2.90	268.0	284.0	284.0	33.0	62.0
79	11	7	9	(311)	5	3.40	269.0	324.0	324.0	187.0	212.0
79	11	7	10	(311)	3	3.60	273.0	180.0	180.0	341.0	362.0
79	11	7	11	(311)	4	4.90	276.0	186.0	186.0	1116.0	1116.0
79	11	7	12	(311)	4	6.20	278.0	191.0	191.0	1114.0	1114.0
79	11	7	13	(311)	4	6.70	279.0	204.0	204.0	1113.0	1113.0
79	11	7	14	(311)	4	6.30	280.0	200.0	200.0	1111.0	1111.0
79	11	7	15	(311)	4	6.30	281.0	190.0	190.0	1110.0	1110.0
79	11	7	16	(311)	4	5.90	281.0	194.0	194.0	1110.0	1110.0
79	11	7	17	(311)	4	6.00	280.0	190.0	190.0	1110.0	1110.0
79	11	7	18	(311)	4	5.10	278.0	187.0	187.0	1084.0	1084.0
79	11	7	19	(311)	5	5.60	277.0	191.0	191.0	1037.0	919.0
79	11	7	20	(311)	4	5.00	276.0	181.0	181.0	986.0	986.0
79	11	7	21	(311)	3	4.90	275.0	175.0	175.0	928.0	679.0
79	11	7	22	(311)	3	4.80	274.0	174.0	174.0	864.0	559.0
79	11	7	23	(311)	2	4.70	274.0	174.0	174.0	792.0	440.0
79	11	7	24	(311)	2	4.90	274.0	169.0	169.0	710.0	320.0
79	11	8	1	(312)	2	4.70	274.0	175.0	175.0	510.0	200.0
79	11	8	2	(312)	4	4.10	274.0	198.0	198.0	1381.0	1381.0
79	11	8	3	(312)	5	4.60	274.0	196.0	196.0	1413.0	200.0
79	11	8	4	(312)	4	4.70	273.0	184.0	184.0	1444.0	1444.0
79	11	8	5	(312)	4	3.60	273.0	180.0	180.0	1475.0	1475.0
79	11	8	6	(312)	4	4.40	273.0	189.0	189.0	1507.0	1507.0
79	11	8	7	(312)	3	4.80	273.0	170.0	170.0	1538.0	200.0
79	11	8	8	(312)	3	5.50	273.0	195.0	195.0	23.0	218.0
79	11	8	9	(312)	4	5.90	274.0	188.0	188.0	944.0	944.0
79	11	8	10	(312)	4	7.50	277.0	197.0	197.0	933.0	933.0
79	11	8	11	(312)	5	8.40	280.0	200.0	200.0	390.0	502.0
79	11	8	12	(312)	5	8.80	283.0	201.0	201.0	513.0	596.0
79	11	8	13	(312)	4	9.20	285.0	201.0	201.0	901.0	901.0
79	11	8	14	(312)	5	8.90	286.0	199.0	199.0	758.0	785.0
79	11	8	15	(312)	5	8.40	287.0	197.0	197.0	880.0	880.0
79	11	8	16	(312)	5	6.80	288.0	195.0	195.0	880.0	880.0
79	11	8	17	(312)	4	8.20	288.0	217.0	217.0	880.0	880.0
79	11	8	18	(312)	5	6.70	287.0	218.0	218.0	860.0	825.0
79	11	8	19	(312)	5	5.50	287.0	221.0	221.0	825.0	735.0
79	11	8	20	(312)	5	6.00	286.0	227.0	227.0	786.0	646.0
79	11	8	21	(312)	5	5.60	285.0	225.0	225.0	743.0	557.0
79	11	8	22	(312)	5	4.90	285.0	229.0	229.0	695.0	468.0
79	11	8	23	(312)	4	3.80	284.0	251.0	251.0	641.0	641.0
79	11	8	24	(312)	5	4.50	283.0	232.0	232.0	580.0	289.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	9	1	(313)	5	4.70	282.0	274.0	274.0	426.0	490.0
79	11	9	2	(313)	5	5.90	282.0	287.0	287.0	940.0	200.0
79	11	9	3	(313)	5	5.80	282.0	272.0	272.0	947.0	200.0
79	11	9	4	(313)	4	4.90	282.0	297.0	297.0	954.0	954.0
79	11	9	5	(313)	5	4.00	282.0	333.0	333.0	961.0	200.0
79	11	9	6	(313)	5	2.90	281.0	317.0	317.0	968.0	200.0
79	11	9	7	(313)	5	4.20	281.0	360.0	360.0	975.0	200.0
79	11	9	8	(313)	5	3.60	280.0	1.0	1.0	8.0	203.0
79	11	9	9	(313)	4	2.70	280.0	49.0	49.0	497.0	497.0
79	11	9	10	(313)	4	1.90	280.0	37.0	37.0	472.0	472.0
79	11	9	11	(313)	5	3.60	281.0	37.0	37.0	155.0	266.0
79	11	9	12	(313)	5	3.20	281.0	40.0	40.0	203.0	287.0
79	11	9	13	(313)	4	2.80	281.0	59.0	59.0	399.0	399.0
79	11	9	14	(313)	5	3.20	282.0	36.0	36.0	301.0	329.0
79	11	9	15	(313)	5	4.60	282.0	40.0	40.0	350.0	350.0
79	11	9	16	(313)	5	4.60	281.0	43.0	43.0	350.0	350.0
79	11	9	17	(313)	5	5.10	280.0	35.0	35.0	350.0	350.0
79	11	9	18	(313)	5	6.00	279.0	36.0	36.0	354.0	362.0
79	11	9	19	(313)	5	4.70	278.0	34.0	34.0	362.0	380.0
79	11	9	20	(313)	5	4.90	278.0	40.0	40.0	369.0	398.0
79	11	9	21	(313)	5	5.00	278.0	39.0	39.0	378.0	417.0
79	11	9	22	(313)	5	4.80	277.0	40.0	40.0	388.0	435.0
79	11	9	23	(313)	5	4.20	277.0	39.0	39.0	399.0	453.0
79	11	9	24	(313)	5	4.90	277.0	34.0	34.0	412.0	472.0
79	11	10	1	(314)	4	3.30	277.0	34.0	34.0	536.0	536.0
79	11	10	2	(314)	3	3.80	277.0	22.0	22.0	454.0	490.0
79	11	10	3	(314)	5	4.70	278.0	31.0	31.0	466.0	490.0
79	11	10	4	(314)	5	5.60	278.0	39.0	39.0	478.0	490.0
79	11	10	5	(314)	5	6.90	278.0	47.0	47.0	490.0	490.0
79	11	10	6	(314)	5	5.80	278.0	47.0	47.0	502.0	490.0
79	11	10	7	(314)	5	6.70	278.0	49.0	49.0	514.0	490.0
79	11	10	8	(314)	5	6.70	278.0	54.0	54.0	14.0	495.0
79	11	10	9	(314)	5	5.60	278.0	49.0	49.0	119.0	531.0
79	11	10	10	(314)	5	6.10	277.0	54.0	54.0	224.0	568.0
79	11	10	11	(314)	5	6.30	276.0	45.0	45.0	330.0	604.0
79	11	10	12	(314)	5	5.40	276.0	50.0	50.0	435.0	641.0
79	11	10	13	(314)	5	4.90	276.0	45.0	45.0	540.0	677.0
79	11	10	14	(314)	5	4.50	277.0	45.0	45.0	645.0	714.0
79	11	10	15	(314)	5	4.80	277.0	37.0	37.0	750.0	750.0
79	11	10	16	(314)	4	5.20	277.0	44.0	44.0	750.0	750.0
79	11	10	17	(314)	4	4.00	277.0	42.0	42.0	750.0	750.0
79	11	10	18	(314)	5	4.20	277.0	37.0	37.0	738.0	716.0
79	11	10	19	(314)	5	4.10	276.0	32.0	32.0	718.0	665.0
79	11	10	20	(314)	5	4.50	276.0	25.0	25.0	695.0	614.0
79	11	10	21	(314)	5	3.80	276.0	4.0	4.0	671.0	563.0
79	11	10	22	(314)	5	3.50	276.0	4.0	4.0	643.0	513.0
79	11	10	23	(314)	4	3.40	276.0	13.0	13.0	612.0	612.0
79	11	10	24	(314)	4	3.70	277.0	2.0	2.0	577.0	577.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	11	1	(315)	5	5.50	277.0	356.0	356.0	830.0	1010.0
79	11	11	2	(315)	5	6.70	277.0	359.0	359.0	850.0	360.0
79	11	11	3	(315)	5	6.30	276.0	359.0	359.0	862.0	360.0
79	11	11	4	(315)	5	7.50	275.0	358.0	358.0	873.0	360.0
79	11	11	5	(315)	5	7.90	275.0	3.0	3.0	885.0	360.0
79	11	11	6	(315)	5	7.60	274.0	6.0	6.0	896.0	360.0
79	11	11	7	(315)	5	7.10	274.0	360.0	360.0	908.0	360.0
79	11	11	8	(315)	5	7.30	273.0	359.0	359.0	9.0	364.0
79	11	11	9	(315)	5	7.90	273.0	4.0	4.0	95.0	399.0
79	11	11	10	(315)	5	7.60	273.0	4.0	4.0	181.0	434.0
79	11	11	11	(315)	5	8.20	273.0	9.0	9.0	267.0	469.0
79	11	11	12	(315)	5	7.10	273.0	7.0	7.0	353.0	505.0
79	11	11	13	(315)	5	8.00	273.0	10.0	10.0	438.0	540.0
79	11	11	14	(315)	5	7.80	272.0	8.0	8.0	524.0	575.0
79	11	11	15	(315)	5	7.40	272.0	7.0	7.0	610.0	610.0
79	11	11	16	(315)	5	7.40	272.0	9.0	9.0	610.0	610.0
79	11	11	17	(315)	4	7.50	271.0	9.0	9.0	610.0	610.0
79	11	11	18	(315)	5	8.50	270.0	10.0	10.0	623.0	646.0
79	11	11	19	(315)	5	8.30	270.0	11.0	11.0	644.0	698.0
79	11	11	20	(315)	5	6.90	270.0	5.0	5.0	667.0	750.0
79	11	11	21	(315)	5	5.00	270.0	4.0	4.0	692.0	802.0
79	11	11	22	(315)	4	3.40	270.0	11.0	11.0	720.0	720.0
79	11	11	23	(315)	5	4.10	269.0	12.0	12.0	752.0	906.0
79	11	11	24	(315)	5	4.40	269.0	4.0	4.0	788.0	958.0
79	11	12	1	(316)	5	4.50	269.0	359.0	359.0	720.0	450.0
79	11	12	2	(316)	5	4.10	269.0	350.0	350.0	626.0	1010.0
79	11	12	3	(316)	5	3.40	269.0	355.0	355.0	628.0	1010.0
79	11	12	4	(316)	5	2.50	269.0	1.0	1.0	630.0	1010.0
79	11	12	5	(316)	5	2.40	269.0	359.0	359.0	632.0	1010.0
79	11	12	6	(316)	5	2.70	269.0	2.0	2.0	633.0	1010.0
79	11	12	7	(316)	5	2.50	269.0	5.0	5.0	635.0	1010.0
79	11	12	8	(316)	4	3.20	269.0	11.0	11.0	908.0	908.0
79	11	12	9	(316)	4	2.30	270.0	46.0	46.0	928.0	928.0
79	11	12	10	(316)	4	2.70	270.0	88.0	88.0	949.0	949.0
79	11	12	11	(316)	5	4.40	270.0	75.0	75.0	457.0	1027.0
79	11	12	12	(316)	4	2.70	271.0	60.0	60.0	989.0	989.0
79	11	12	13	(316)	4	2.30	271.0	85.0	85.0	1009.0	1009.0
79	11	12	14	(316)	4	2.20	271.0	78.0	78.0	1030.0	1030.0
79	11	12	15	(316)	5	2.30	272.0	44.0	44.0	1050.0	1050.0
79	11	12	16	(316)	5	2.70	272.0	38.0	38.0	1050.0	1050.0
79	11	12	17	(316)	5	2.90	272.0	55.0	55.0	1050.0	1050.0
79	11	12	18	(316)	5	3.20	272.0	60.0	60.0	1030.0	995.0
79	11	12	19	(316)	5	4.40	272.0	52.0	52.0	999.0	917.0
79	11	12	20	(316)	4	2.50	272.0	61.0	61.0	964.0	964.0
79	11	12	21	(316)	3	2.20	272.0	70.0	70.0	926.0	761.0
79	11	12	22	(316)	5	2.70	272.0	65.0	65.0	884.0	683.0
79	11	12	23	(316)	4	2.20	272.0	78.0	78.0	836.0	836.0
79	11	12	24	(316)	4	3.20	272.0	96.0	96.0	782.0	782.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	13	1	(317)	3	2.70	272.0	92.0	92.0	1144.0	1480.0
79	11	13	2	(317)	3	2.70	272.0	101.0	101.0	1162.0	450.0
79	11	13	3	(317)	2	3.10	273.0	97.0	97.0	1175.0	450.0
79	11	13	4	(317)	4	4.50	274.0	111.0	111.0	1188.0	1188.0
79	11	13	5	(317)	4	4.90	275.0	128.0	128.0	1201.0	1201.0
79	11	13	6	(317)	4	5.60	275.0	129.0	129.0	1214.0	1214.0
79	11	13	7	(317)	4	7.20	275.0	130.0	130.0	1227.0	1227.0
79	11	13	8	(317)	4	7.80	276.0	128.0	128.0	833.0	833.0
79	11	13	9	(317)	4	7.20	277.0	131.0	131.0	818.0	818.0
79	11	13	10	(317)	3	7.00	277.0	135.0	135.0	213.0	532.0
79	11	13	11	(317)	3	6.80	278.0	140.0	140.0	316.0	571.0
79	11	13	12	(317)	3	6.60	279.0	152.0	152.0	420.0	611.0
79	11	13	13	(317)	2	6.00	280.0	163.0	163.0	523.0	651.0
79	11	13	14	(317)	2	4.70	280.0	170.0	170.0	627.0	690.0
79	11	13	15	(317)	3	5.20	281.0	180.0	180.0	730.0	730.0
79	11	13	16	(317)	4	5.80	282.0	190.0	190.0	730.0	730.0
79	11	13	17	(317)	5	5.90	282.0	194.0	194.0	730.0	730.0
79	11	13	18	(317)	5	5.10	283.0	220.0	220.0	756.0	801.0
79	11	13	19	(317)	5	8.50	282.0	220.0	220.0	795.0	898.0
79	11	13	20	(317)	4	12.20	280.0	238.0	238.0	838.0	838.0
79	11	13	21	(317)	4	10.40	278.0	239.0	239.0	885.0	885.0
79	11	13	22	(317)	4	8.80	277.0	242.0	242.0	939.0	939.0
79	11	13	23	(317)	4	9.10	276.0	249.0	249.0	999.0	999.0
79	11	13	24	(317)	4	10.50	275.0	256.0	256.0	1067.0	1067.0
79	11	14	1	(318)	4	8.80	274.0	255.0	255.0	1293.0	1293.0
79	11	14	2	(318)	4	7.90	274.0	250.0	250.0	746.0	746.0
79	11	14	3	(318)	4	8.40	273.0	249.0	249.0	748.0	748.0
79	11	14	4	(318)	4	9.70	273.0	248.0	248.0	750.0	750.0
79	11	14	5	(318)	4	9.40	273.0	257.0	257.0	752.0	752.0
79	11	14	6	(318)	4	8.80	273.0	252.0	252.0	753.0	753.0
79	11	14	7	(318)	4	7.10	272.0	261.0	261.0	755.0	755.0
79	11	14	8	(318)	4	7.30	272.0	270.0	270.0	1266.0	1266.0
79	11	14	9	(318)	4	6.60	272.0	265.0	265.0	1302.0	1302.0
79	11	14	10	(318)	4	7.80	272.0	263.0	263.0	1338.0	1338.0
79	11	14	11	(318)	4	7.00	273.0	258.0	258.0	1375.0	1375.0
79	11	14	12	(318)	4	7.90	273.0	267.0	267.0	1411.0	1411.0
79	11	14	13	(318)	4	8.20	273.0	268.0	268.0	1447.0	1447.0
79	11	14	14	(318)	4	7.30	273.0	267.0	267.0	1484.0	1484.0
79	11	14	15	(318)	4	7.10	273.0	278.0	278.0	1520.0	1520.0
79	11	14	16	(318)	4	7.00	273.0	274.0	274.0	1520.0	1520.0
79	11	14	17	(318)	4	5.00	273.0	277.0	277.0	1520.0	1520.0
79	11	14	18	(318)	4	4.20	273.0	267.0	267.0	1505.0	1505.0
79	11	14	19	(318)	4	5.80	273.0	276.0	276.0	1484.0	1484.0
79	11	14	20	(318)	4	6.30	272.0	283.0	283.0	1461.0	1461.0
79	11	14	21	(318)	4	5.10	272.0	289.0	289.0	1435.0	1435.0
79	11	14	22	(318)	4	4.90	272.0	296.0	296.0	1405.0	1405.0
79	11	14	23	(318)	4	3.90	272.0	289.0	289.0	1373.0	1373.0
79	11	14	24	(318)	4	4.80	272.0	277.0	277.0	1335.0	1335.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	15	1	(319)	4	4.90	272.0	287.0	287.0	645.0	645.0
79	11	15	2	(319)	4	3.20	271.0	294.0	294.0	1556.0	1556.0
79	11	15	3	(319)	3	2.50	271.0	295.0	295.0	1560.0	1110.0
79	11	15	4	(319)	4	2.80	271.0	270.0	270.0	1565.0	1565.0
79	11	15	5	(319)	4	3.80	271.0	273.0	273.0	1569.0	1569.0
79	11	15	6	(319)	4	1.10	271.0	299.0	299.0	1573.0	1573.0
79	11	15	7	(319)	4	1.10	270.0	312.0	312.0	1577.0	1577.0
79	11	15	8	(319)	5	0.00	270.0	266.0	266.0	1.0	1110.0
79	11	15	9	(319)	4	0.00	270.0	215.0	215.0	1288.0	1288.0
79	11	15	10	(319)	4	0.70	271.0	209.0	209.0	1273.0	1273.0
79	11	15	11	(319)	4	2.70	271.0	211.0	211.0	1259.0	1259.0
79	11	15	12	(319)	4	3.70	271.0	235.0	235.0	1244.0	1244.0
79	11	15	13	(319)	4	3.10	272.0	226.0	226.0	1229.0	1229.0
79	11	15	14	(319)	4	3.50	273.0	244.0	244.0	1215.0	1215.0
79	11	15	15	(319)	4	2.70	273.0	237.0	237.0	1200.0	1200.0
79	11	15	16	(319)	4	2.50	273.0	239.0	239.0	1200.0	1200.0
79	11	15	17	(319)	4	1.20	273.0	236.0	236.0	1200.0	1200.0
79	11	15	18	(319)	5	3.30	272.0	206.0	206.0	1163.0	1101.0
79	11	15	19	(319)	5	1.70	272.0	264.0	264.0	1111.0	972.0
79	11	15	20	(319)	5	1.20	271.0	256.0	256.0	1054.0	843.0
79	11	15	21	(319)	5	4.30	270.0	249.0	249.0	990.0	715.0
79	11	15	22	(319)	5	4.40	270.0	252.0	252.0	919.0	586.0
79	11	15	23	(319)	5	3.30	269.0	247.0	247.0	839.0	457.0
79	11	15	24	(319)	5	4.10	269.0	267.0	267.0	749.0	329.0
79	11	16	1	(320)	5	4.20	268.0	258.0	258.0	729.0	600.0
79	11	16	2	(320)	5	2.80	268.0	276.0	276.0	1478.0	200.0
79	11	16	3	(320)	5	4.10	269.0	267.0	267.0	1510.0	200.0
79	11	16	4	(320)	5	4.20	268.0	258.0	258.0	1542.0	200.0
79	11	16	5	(320)	5	2.80	268.0	276.0	276.0	1573.0	200.0
79	11	16	6	(320)	5	4.20	268.0	258.0	258.0	1605.0	200.0
79	11	16	7	(320)	5	2.80	268.0	276.0	276.0	1637.0	200.0
79	11	16	8	(320)	6	4.20	268.0	258.0	258.0	1668.0	200.0
79	11	16	9	(320)	6	0.10	267.0	291.0	291.0	125.0	297.0
79	11	16	10	(320)	5	0.00	270.0	270.0	270.0	252.0	396.0
79	11	16	11	(320)	4	0.20	273.0	137.0	137.0	947.0	947.0
79	11	16	12	(320)	3	1.00	275.0	166.0	166.0	507.0	593.0
79	11	16	13	(320)	3	3.10	276.0	179.0	179.0	635.0	692.0
79	11	16	14	(320)	4	14.00	277.0	220.0	220.0	904.0	904.0
79	11	16	15	(320)	1	3.40	277.0	153.0	153.0	890.0	890.0
79	11	16	16	(320)	3	2.70	277.0	153.0	153.0	890.0	890.0
79	11	16	17	(320)	4	3.00	276.0	127.0	127.0	890.0	890.0
79	11	16	18	(320)	5	4.60	274.0	121.0	121.0	879.0	861.0
79	11	16	19	(320)	5	4.50	273.0	116.0	116.0	864.0	823.0
79	11	16	20	(320)	4	4.30	273.0	108.0	108.0	847.0	847.0
79	11	16	21	(320)	5	3.00	273.0	75.0	75.0	829.0	749.0
79	11	16	22	(320)	5	3.40	273.0	92.0	92.0	808.0	712.0
79	11	16	23	(320)	5	4.40	273.0	88.0	88.0	785.0	674.0
79	11	16	24	(320)	5	4.00	273.0	86.0	86.0	759.0	637.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	17	1	(321)	5	3.20	273.0	82.0	82.0	665.0	700.0
79	11	17	2	(321)	5	3.90	273.0	85.0	85.0	898.0	600.0
79	11	17	3	(321)	5	4.50	274.0	65.0	65.0	899.0	600.0
79	11	17	4	(321)	5	4.50	274.0	52.0	52.0	900.0	600.0
79	11	17	5	(321)	5	5.00	274.0	58.0	58.0	901.0	600.0
79	11	17	6	(321)	5	5.40	274.0	55.0	55.0	902.0	600.0
79	11	17	7	(321)	5	5.60	274.0	48.0	48.0	903.0	600.0
79	11	17	8	(321)	4	7.40	274.0	60.0	60.0	904.0	904.0
79	11	17	9	(321)	5	8.10	274.0	51.0	51.0	85.0	603.0
79	11	17	10	(321)	5	6.80	275.0	42.0	42.0	174.0	606.0
79	11	17	11	(321)	5	6.70	275.0	45.0	45.0	263.0	608.0
79	11	17	12	(321)	5	7.20	275.0	21.0	21.0	353.0	611.0
79	11	17	13	(321)	5	7.80	275.0	20.0	20.0	442.0	614.0
79	11	17	14	(321)	5	7.50	275.0	16.0	16.0	531.0	617.0
79	11	17	15	(321)	5	7.20	275.0	8.0	8.0	620.0	620.0
79	11	17	16	(321)	5	7.50	275.0	351.0	351.0	620.0	620.0
79	11	17	17	(321)	5	8.90	274.0	334.0	334.0	620.0	620.0
79	11	17	18	(321)	5	9.80	274.0	328.0	328.0	623.0	628.0
79	11	17	19	(321)	4	9.30	274.0	316.0	316.0	627.0	627.0
79	11	17	20	(321)	4	10.50	274.0	314.0	314.0	632.0	632.0
79	11	17	21	(321)	4	9.80	274.0	301.0	301.0	637.0	637.0
79	11	17	22	(321)	4	9.90	274.0	304.0	304.0	643.0	643.0
79	11	17	23	(321)	4	9.00	275.0	293.0	293.0	649.0	649.0
79	11	17	24	(321)	4	9.90	274.0	304.0	304.0	656.0	656.0
79	11	18	1	(322)	4	9.00	275.0	293.0	293.0	865.0	865.0
79	11	18	2	(322)	4	5.10	275.0	282.0	282.0	745.0	745.0
79	11	18	3	(322)	4	3.70	275.0	267.0	267.0	760.0	760.0
79	11	18	4	(322)	4	4.00	275.0	252.0	252.0	774.0	774.0
79	11	18	5	(322)	4	4.40	274.0	246.0	246.0	788.0	788.0
79	11	18	6	(322)	4	5.00	274.0	248.0	248.0	802.0	802.0
79	11	18	7	(322)	4	4.60	274.0	252.0	252.0	816.0	816.0
79	11	18	8	(322)	4	3.80	274.0	239.0	239.0	831.0	831.0
79	11	18	9	(322)	4	3.10	274.0	236.0	236.0	903.0	903.0
79	11	18	10	(322)	4	4.30	274.0	244.0	244.0	921.0	921.0
79	11	18	11	(322)	4	4.40	274.0	257.0	257.0	939.0	939.0
79	11	18	12	(322)	4	4.30	274.0	253.0	253.0	956.0	956.0
79	11	18	13	(322)	4	4.50	274.0	247.0	247.0	974.0	974.0
79	11	18	14	(322)	4	5.00	274.0	251.0	251.0	992.0	992.0
79	11	18	15	(322)	4	5.10	273.0	260.0	260.0	1010.0	1010.0
79	11	18	16	(322)	4	5.00	272.0	240.0	240.0	1010.0	1010.0
79	11	18	17	(322)	4	6.50	271.0	252.0	252.0	1010.0	1010.0
79	11	18	18	(322)	4	6.50	271.0	254.0	254.0	1000.0	1000.0
79	11	18	19	(322)	4	6.80	270.0	262.0	262.0	986.0	986.0
79	11	18	20	(322)	4	9.20	271.0	260.0	260.0	971.0	971.0
79	11	18	21	(322)	4	8.00	271.0	262.0	262.0	955.0	955.0
79	11	18	22	(322)	4	8.20	270.0	263.0	263.0	936.0	936.0
79	11	18	23	(322)	4	8.20	270.0	273.0	273.0	915.0	915.0
79	11	18	24	(322)	4	8.00	270.0	276.0	276.0	892.0	892.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	19	1	(323)	4	8.20	270.0	280.0	280.0	582.0	582.0
79	11	19	2	(323)	4	8.10	269.0	287.0	287.0	1010.0	1010.0
79	11	19	3	(323)	4	7.40	268.0	285.0	285.0	1010.0	1010.0
79	11	19	4	(323)	4	6.90	268.0	298.0	298.0	1010.0	1010.0
79	11	19	5	(323)	4	6.10	267.0	298.0	298.0	1010.0	1010.0
79	11	19	6	(323)	4	5.00	266.0	280.0	280.0	1010.0	1010.0
79	11	19	7	(323)	4	4.80	266.0	287.0	287.0	1010.0	1010.0
79	11	19	8	(323)	4	4.40	265.0	282.0	282.0	1010.0	1010.0
79	11	19	9	(323)	4	4.30	265.0	277.0	277.0	821.0	821.0
79	11	19	10	(323)	4	4.20	266.0	273.0	273.0	810.0	810.0
79	11	19	11	(323)	4	3.40	267.0	268.0	268.0	798.0	798.0
79	11	19	12	(323)	4	3.10	268.0	261.0	261.0	786.0	786.0
79	11	19	13	(323)	4	2.90	268.0	301.0	301.0	774.0	774.0
79	11	19	14	(323)	4	3.60	269.0	268.0	268.0	762.0	762.0
79	11	19	15	(323)	3	1.10	268.0	325.0	325.0	750.0	750.0
79	11	19	16	(323)	4	2.70	268.0	315.0	315.0	750.0	750.0
79	11	19	17	(323)	5	5.00	267.0	331.0	331.0	750.0	750.0
79	11	19	18	(323)	5	5.70	266.0	332.0	332.0	738.0	718.0
79	11	19	19	(323)	5	5.40	265.0	336.0	336.0	722.0	679.0
79	11	19	20	(323)	5	4.90	265.0	340.0	340.0	705.0	641.0
79	11	19	21	(323)	5	5.60	264.0	339.0	339.0	686.0	603.0
79	11	19	22	(323)	5	4.60	264.0	333.0	333.0	664.0	565.0
79	11	19	23	(323)	4	3.10	263.0	4.0	4.0	640.0	640.0
79	11	19	24	(323)	5	2.10	263.0	336.0	336.0	613.0	488.0
79	11	20	1	(324)	5	4.20	263.0	347.0	347.0	444.0	440.0
79	11	20	2	(324)	5	4.20	263.0	353.0	353.0	750.0	450.0
79	11	20	3	(324)	5	4.60	263.0	337.0	337.0	750.0	450.0
79	11	20	4	(324)	5	5.30	263.0	330.0	330.0	750.0	450.0
79	11	20	5	(324)	5	4.60	263.0	325.0	325.0	750.0	450.0
79	11	20	6	(324)	4	3.70	263.0	319.0	319.0	750.0	750.0
79	11	20	7	(324)	5	4.20	263.0	328.0	328.0	750.0	450.0
79	11	20	8	(324)	5	4.40	263.0	332.0	332.0	750.0	450.0
79	11	20	9	(324)	5	3.60	263.0	332.0	332.0	57.0	450.0
79	11	20	10	(324)	5	2.00	263.0	339.0	339.0	123.0	450.0
79	11	20	11	(324)	4	2.00	263.0	324.0	324.0	505.0	505.0
79	11	20	12	(324)	2	0.80	265.0	327.0	327.0	254.0	450.0
79	11	20	13	(324)	1	0.20	266.0	294.0	294.0	319.0	450.0
79	11	20	14	(324)	2	0.10	267.0	283.0	283.0	385.0	450.0
79	11	20	15	(324)	3	0.30	267.0	302.0	302.0	450.0	450.0
79	11	20	16	(324)	4	0.80	266.0	332.0	332.0	450.0	450.0
79	11	20	17	(324)	4	1.10	266.0	296.0	296.0	450.0	450.0
79	11	20	18	(324)	5	1.90	265.0	278.0	278.0	450.0	449.0
79	11	20	19	(324)	5	2.60	264.0	322.0	322.0	449.0	448.0
79	11	20	20	(324)	5	2.50	264.0	329.0	329.0	448.0	446.0
79	11	20	21	(324)	4	2.30	263.0	312.0	312.0	448.0	448.0
79	11	20	22	(324)	5	3.60	263.0	309.0	309.0	447.0	444.0
79	11	20	23	(324)	4	4.10	263.0	311.0	311.0	446.0	446.0
79	11	20	24	(324)	4	2.90	263.0	316.0	316.0	445.0	445.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	21	1	(325)	4	2.10	263.0	319.0	319.0	639.0	639.0
79	11	21	2	(325)	4	3.00	263.0	319.0	319.0	499.0	499.0
79	11	21	3	(325)	5	2.50	263.0	313.0	313.0	504.0	440.0
79	11	21	4	(325)	4	2.30	262.0	306.0	306.0	510.0	510.0
79	11	21	5	(325)	5	[illegible]	261.0	287.0	287.0	515.0	440.0
79	11	21	6	(325)	5	[illegible]	261.0	282.0	282.0	521.0	440.0
79	11	21	7	(325)	4	2.10	261.0	281.0	281.0	526.0	526.0
79	11	21	8	(325)	4	3.90	260.0	283.0	283.0	532.0	532.0
79	11	21	9	(325)	4	4.20	261.0	302.0	302.0	530.0	530.0
79	11	21	10	(325)	4	4.20	262.0	306.0	306.0	535.0	535.0
79	11	21	11	(325)	4	3.30	264.0	313.0	313.0	540.0	540.0
79	11	21	12	(325)	4	2.90	265.0	304.0	304.0	545.0	545.0
79	11	21	13	(325)	4	1.90	266.0	327.0	327.0	550.0	550.0
79	11	21	14	(325)	3	1.70	266.0	299.0	299.0	478.0	542.0
79	11	21	15	(325)	1	[illegible]	267.0	309.0	309.0	560.0	560.0
79	11	21	16	(325)	2	[illegible]	267.0	301.0	301.0	560.0	560.0
79	11	21	17	(325)	4	2.00	266.0	272.0	272.0	560.0	560.0
79	11	21	18	(325)	2	0.10	267.0	301.0	301.0	566.0	576.0
79	11	21	19	(325)	4	2.00	266.0	272.0	272.0	573.0	573.0
79	11	21	20	(325)	5	0.10	263.0	301.0	301.0	581.0	611.0
79	11	21	21	(325)	5	3.40	262.0	277.0	277.0	590.0	629.0
79	11	21	22	(325)	5	4.50	261.0	305.0	305.0	600.0	647.0
79	11	21	23	(325)	5	2.70	261.0	302.0	302.0	611.0	664.0
79	11	21	24	(325)	5	0.50	261.0	295.0	295.0	624.0	682.0
79	11	22	1	(326)	5	0.20	260.0	268.0	268.0	799.0	860.0
79	11	22	2	(326)	5	1.70	259.0	275.0	275.0	568.0	700.0
79	11	22	3	(326)	5	4.10	259.0	284.0	284.0	569.0	700.0
79	11	22	4	(326)	5	3.70	259.0	295.0	295.0	570.0	700.0
79	11	22	5	(326)	5	1.80	259.0	289.0	289.0	571.0	700.0
79	11	22	6	(326)	6	0.40	258.0	283.0	283.0	572.0	700.0
79	11	22	7	(326)	6	0.00	258.0	279.0	279.0	573.0	700.0
79	11	22	8	(326)	6	0.30	258.0	277.0	277.0	574.0	700.0
79	11	22	9	(326)	5	0.00	259.0	272.0	272.0	87.0	702.0
79	11	22	10	(326)	3	0.00	262.0	271.0	271.0	193.0	705.0
79	11	22	11	(326)	3	0.00	265.0	335.0	335.0	298.0	708.0
79	11	22	12	(326)	1	1.50	267.0	199.0	199.0	404.0	711.0
79	11	22	13	(326)	3	4.10	267.0	260.0	260.0	509.0	714.0
79	11	22	14	(326)	1	2.20	268.0	183.0	183.0	615.0	717.0
79	11	22	15	(326)	3	2.80	269.0	165.0	165.0	720.0	720.0
79	11	22	16	(326)	4	3.60	269.0	182.0	182.0	720.0	720.0
79	11	22	17	(326)	3	2.70	268.0	163.0	163.0	720.0	720.0
79	11	22	18	(326)	3	2.50	268.0	161.0	161.0	726.0	736.0
79	11	22	19	(326)	3	2.20	268.0	165.0	165.0	733.0	754.0
79	11	22	20	(326)	3	1.90	268.0	155.0	155.0	741.0	771.0
79	11	22	21	(326)	4	2.50	267.0	141.0	141.0	750.0	750.0
79	11	22	22	(326)	4	2.10	267.0	149.0	149.0	760.0	760.0
79	11	22	23	(326)	4	2.00	267.0	153.0	153.0	772.0	772.0
79	11	22	24	(326)	4	1.90	267.0	142.0	142.0	784.0	784.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	23	1	(327)	4	0.80	266.0	92.0	92.0	710.0	710.0
79	11	23	2	(327)	4	1.30	266.0	49.0	49.0	728.0	728.0
79	11	23	3	(327)	4	2.50	266.0	71.0	71.0	729.0	729.0
79	11	23	4	(327)	4	2.60	267.0	65.0	65.0	730.0	730.0
79	11	23	5	(327)	4	3.50	267.0	75.0	75.0	731.0	731.0
79	11	23	6	(327)	4	4.20	268.0	65.0	65.0	732.0	732.0
79	11	23	7	(327)	4	4.80	269.0	68.0	68.0	733.0	733.0
79	11	23	8	(327)	4	3.80	269.0	66.0	66.0	734.0	734.0
79	11	23	9	(327)	5	2.80	270.0	50.0	50.0	104.0	862.0
79	11	23	10	(327)	5	1.60	271.0	40.0	40.0	233.0	865.0
79	11	23	11	(327)	3	1.10	272.0	10.0	10.0	363.0	868.0
79	11	23	12	(327)	3	1.00	272.0	358.0	358.0	492.0	871.0
79	11	23	13	(327)	4	1.00	273.0	334.0	334.0	865.0	865.0
79	11	23	14	(327)	4	1.10	273.0	340.0	340.0	873.0	873.0
79	11	23	15	(327)	4	1.20	273.0	346.0	346.0	880.0	880.0
79	11	23	16	(327)	4	1.10	273.0	320.0	320.0	880.0	880.0
79	11	23	17	(327)	5	2.00	273.0	285.0	285.0	880.0	880.0
79	11	23	18	(327)	4	2.50	273.0	284.0	284.0	867.0	867.0
79	11	23	19	(327)	4	2.80	273.0	289.0	289.0	851.0	851.0
79	11	23	20	(327)	4	4.50	273.0	290.0	290.0	834.0	834.0
79	11	23	21	(327)	4	5.60	273.0	301.0	301.0	815.0	815.0
79	11	23	22	(327)	4	6.30	272.0	299.0	299.0	793.0	793.0
79	11	23	23	(327)	4	5.90	272.0	288.0	288.0	769.0	769.0
79	11	23	24	(327)	4	6.90	271.0	278.0	278.0	742.0	742.0
79	11	24	1	(328)	4	6.10	271.0	285.0	285.0	620.0	620.0
79	11	24	2	(328)	4	6.50	271.0	281.0	281.0	880.0	880.0
79	11	24	3	(328)	4	6.20	271.0	288.0	288.0	880.0	880.0
79	11	24	4	(328)	4	6.10	271.0	287.0	287.0	880.0	880.0
79	11	24	5	(328)	4	6.30	271.0	289.0	289.0	880.0	880.0
79	11	24	6	(328)	4	5.90	271.0	289.0	289.0	880.0	880.0
79	11	24	7	(328)	4	5.40	271.0	284.0	284.0	880.0	880.0
79	11	24	8	(328)	4	5.20	271.0	294.0	294.0	880.0	880.0
79	11	24	9	(328)	4	5.00	270.0	286.0	286.0	662.0	662.0
79	11	24	10	(328)	4	4.70	270.0	277.0	277.0	648.0	648.0
79	11	24	11	(328)	4	4.00	270.0	264.0	264.0	635.0	635.0
79	11	24	12	(328)	4	4.50	270.0	277.0	277.0	621.0	621.0
79	11	24	13	(328)	4	4.30	271.0	265.0	265.0	607.0	607.0
79	11	24	14	(328)	4	5.40	271.0	271.0	271.0	594.0	594.0
79	11	24	15	(328)	4	4.90	270.0	281.0	281.0	580.0	580.0
79	11	24	16	(328)	4	4.40	270.0	280.0	280.0	580.0	580.0
79	11	24	17	(328)	4	4.20	270.0	267.0	267.0	580.0	580.0
79	11	24	18	(328)	4	4.20	269.0	265.0	265.0	583.0	583.0
79	11	24	19	(328)	4	4.50	268.0	265.0	265.0	587.0	587.0
79	11	24	20	(328)	4	4.70	268.0	278.0	278.0	591.0	591.0
79	11	24	21	(328)	4	4.30	267.0	276.0	276.0	595.0	595.0
79	11	24	22	(328)	4	4.70	268.0	278.0	278.0	600.0	600.0
79	11	24	23	(328)	4	4.30	267.0	276.0	276.0	606.0	606.0
79	11	24	24	(328)	4	4.70	266.0	278.0	278.0	612.0	612.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	25	1	(329)	4	5.00	266.0	276.0	276.0	833.0	833.0
79	11	25	2	(329)	4	4.30	266.0	273.0	273.0	592.0	592.0
79	11	25	3	(329)	5	4.60	266.0	269.0	269.0	594.0	650.0
79	11	25	4	(329)	5	4.40	266.0	273.0	273.0	595.0	650.0
79	11	25	5	(329)	4	4.60	266.0	276.0	276.0	596.0	596.0
79	11	25	6	(329)	4	4.70	266.0	277.0	277.0	598.0	598.0
79	11	25	7	(329)	4	4.20	266.0	272.0	272.0	599.0	599.0
79	11	25	8	(329)	4	4.60	266.0	279.0	279.0	600.0	600.0
79	11	25	9	(329)	4	3.70	267.0	287.0	287.0	653.0	653.0
79	11	25	10	(329)	4	4.60	268.0	284.0	284.0	657.0	657.0
79	11	25	11	(329)	4	4.40	269.0	282.0	282.0	662.0	662.0
79	11	25	12	(329)	4	4.10	270.0	301.0	301.0	666.0	666.0
79	11	25	13	(329)	4	5.60	270.0	309.0	309.0	671.0	671.0
79	11	25	14	(329)	4	5.20	271.0	318.0	318.0	675.0	675.0
79	11	25	15	(329)	5	6.20	271.0	334.0	334.0	680.0	680.0
79	11	25	16	(329)	5	6.20	271.0	331.0	331.0	680.0	680.0
79	11	25	17	(329)	5	3.80	270.0	312.0	312.0	680.0	680.0
79	11	25	18	(329)	5	4.20	270.0	293.0	293.0	692.0	712.0
79	11	25	19	(329)	4	4.70	270.0	309.0	309.0	706.0	706.0
79	11	25	20	(329)	5	4.60	270.0	356.0	356.0	722.0	780.0
79	11	25	21	(329)	5	4.60	271.0	23.0	23.0	739.0	814.0
79	11	25	22	(329)	5	5.00	270.0	36.0	36.0	758.0	848.0
79	11	25	23	(329)	5	3.60	270.0	35.0	35.0	780.0	882.0
79	11	25	24	(329)	4	1.70	269.0	47.0	47.0	805.0	805.0
79	11	26	1	(330)	4	2.70	269.0	61.0	61.0	893.0	893.0
79	11	26	2	(330)	3	2.90	268.0	62.0	62.0	680.0	950.0
79	11	26	3	(330)	4	3.30	268.0	75.0	75.0	680.0	680.0
79	11	26	4	(330)	5	3.80	267.0	58.0	58.0	680.0	950.0
79	11	26	5	(330)	5	4.90	267.0	63.0	63.0	680.0	950.0
79	11	26	6	(330)	5	4.60	266.0	67.0	67.0	680.0	950.0
79	11	26	7	(330)	5	5.10	265.0	62.0	62.0	680.0	950.0
79	11	26	8	(330)	4	5.20	264.0	66.0	66.0	680.0	680.0
79	11	26	9	(330)	5	4.60	264.0	57.0	57.0	103.0	950.0
79	11	26	10	(330)	5	4.20	264.0	54.0	54.0	244.0	950.0
79	11	26	11	(330)	5	5.00	266.0	56.0	56.0	386.0	950.0
79	11	26	12	(330)	5	4.60	267.0	45.0	45.0	527.0	950.0
79	11	26	13	(330)	5	3.40	268.0	41.0	41.0	668.0	950.0
79	11	26	14	(330)	5	3.80	268.0	49.0	49.0	809.0	950.0
79	11	26	15	(330)	5	3.40	268.0	47.0	47.0	950.0	950.0
79	11	26	16	(330)	5	3.70	268.0	49.0	49.0	950.0	950.0
79	11	26	17	(330)	5	3.90	268.0	55.0	55.0	950.0	950.0
79	11	26	18	(330)	5	4.10	267.0	43.0	43.0	945.0	938.0
79	11	26	19	(330)	5	4.30	267.0	51.0	51.0	940.0	925.0
79	11	26	20	(330)	5	4.90	267.0	51.0	51.0	934.0	913.0
79	11	26	21	(330)	4	4.20	267.0	52.0	52.0	928.0	928.0
79	11	26	22	(330)	5	3.90	266.0	59.0	59.0	921.0	888.0
79	11	26	23	(330)	4	3.60	266.0	62.0	62.0	913.0	913.0
79	11	26	24	(330)	4	3.90	266.0	61.0	61.0	904.0	904.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14896.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	27	1	(331)	5	4.30	266.0	52.0	52.0	429.0	110.0
79	11	27	2	(331)	5	4.60	266.0	52.0	52.0	950.0	850.0
79	11	27	3	(331)	5	4.50	266.0	49.0	49.0	950.0	850.0
79	11	27	4	(331)	5	4.20	267.0	50.0	50.0	950.0	850.0
79	11	27	5	(331)	5	3.90	267.0	49.0	49.0	950.0	850.0
79	11	27	6	(331)	5	3.10	267.0	49.0	49.0	950.0	850.0
79	11	27	7	(331)	5	2.60	267.0	42.0	42.0	950.0	850.0
79	11	27	8	(331)	5	3.60	267.0	42.0	42.0	950.0	850.0
79	11	27	9	(331)	5	3.50	266.0	48.0	48.0	90.0	850.0
79	11	27	10	(331)	5	2.90	267.0	47.0	47.0	216.0	850.0
79	11	27	11	(331)	5	2.50	267.0	58.0	58.0	343.0	850.0
79	11	27	12	(331)	5	2.50	268.0	49.0	49.0	470.0	850.0
79	11	27	13	(331)	5	2.60	269.0	58.0	58.0	597.0	850.0
79	11	27	14	(331)	4	2.20	269.0	69.0	69.0	855.0	855.0
79	11	27	15	(331)	1	1.30	266.0	47.0	47.0	850.0	850.0
79	11	27	16	(331)	4	1.00	268.0	24.0	24.0	850.0	850.0
79	11	27	17	(331)	4	0.90	269.0	13.0	13.0	850.0	850.0
79	11	27	18	(331)	5	1.80	269.0	70.0	70.0	816.0	760.0
79	11	27	19	(331)	4	1.40	268.0	49.0	49.0	777.0	777.0
79	11	27	20	(331)	4	1.40	268.0	49.0	49.0	734.0	734.0
79	11	27	21	(331)	4	1.20	268.0	25.0	25.0	687.0	687.0
79	11	27	22	(331)	4	1.30	268.0	334.0	334.0	634.0	634.0
79	11	27	23	(331)	5	1.30	268.0	44.0	44.0	574.0	296.0
79	11	27	24	(331)	5	0.70	267.0	234.0	234.0	506.0	203.0
79	11	28	1	(332)	5	0.70	267.0	256.0	256.0	156.0	160.0
79	11	28	2	(332)	5	1.20	267.0	286.0	286.0	866.0	110.0
79	11	28	3	(332)	6	1.60	266.0	272.0	272.0	868.0	110.0
79	11	28	4	(332)	6	2.00	266.0	280.0	280.0	870.0	110.0
79	11	28	5	(332)	5	2.20	266.0	268.0	268.0	872.0	110.0
79	11	28	6	(332)	5	2.80	266.0	257.0	257.0	874.0	110.0
79	11	28	7	(332)	5	2.50	266.0	269.0	269.0	875.0	110.0
79	11	28	8	(332)	5	3.20	265.0	256.0	256.0	877.0	110.0
79	11	28	9	(332)	5	4.10	265.0	256.0	256.0	15.0	114.0
79	11	28	10	(332)	4	4.70	267.0	263.0	263.0	309.0	309.0
79	11	28	11	(332)	4	4.40	268.0	264.0	264.0	277.0	277.0
79	11	28	12	(332)	4	4.10	269.0	272.0	272.0	246.0	246.0
79	11	28	13	(332)	4	5.50	270.0	262.0	262.0	214.0	214.0
79	11	28	14	(332)	4	4.90	269.0	261.0	261.0	182.0	182.0
79	11	28	15	(332)	4	5.10	269.0	236.0	236.0	150.0	150.0
79	11	28	16	(332)	4	5.30	269.0	251.0	251.0	150.0	150.0
79	11	28	17	(332)	4	4.70	268.0	255.0	255.0	150.0	150.0
79	11	28	18	(332)	4	4.20	267.0	238.0	238.0	150.0	150.0
79	11	28	19	(332)	5	3.90	266.0	208.0	208.0	151.0	152.0
79	11	28	20	(332)	4	4.20	267.0	238.0	238.0	152.0	152.0
79	11	28	21	(332)	5	3.90	266.0	208.0	208.0	152.0	155.0
79	11	28	22	(332)	5	4.20	265.0	238.0	238.0	153.0	156.0
79	11	28	23	(332)	3	4.00	264.0	170.0	170.0	154.0	157.0
79	11	28	24	(332)	3	5.50	264.0	161.0	161.0	155.0	159.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	11	29	1	(333)	3	6.30	265.0	177.0	177.0	520.0	490.0
79	11	29	2	(333)	3	7.00	265.0	185.0	185.0	314.0	160.0
79	11	29	3	(333)	4	6.30	265.0	184.0	184.0	332.0	332.0
79	11	29	4	(333)	4	6.20	266.0	188.0	188.0	350.0	350.0
79	11	29	5	(333)	4	5.90	267.0	189.0	189.0	368.0	368.0
79	11	29	6	(333)	3	4.70	267.0	177.0	177.0	386.0	160.0
79	11	29	7	(333)	3	4.10	268.0	186.0	186.0	404.0	160.0
79	11	29	8	(333)	4	5.20	270.0	197.0	197.0	423.0	423.0
79	11	29	9	(333)	5	6.20	271.0	201.0	201.0	56.0	200.0
79	11	29	10	(333)	5	6.30	272.0	201.0	201.0	140.0	260.0
79	11	29	11	(333)	5	6.20	272.0	205.0	205.0	224.0	320.0
79	11	29	12	(333)	5	5.90	273.0	197.0	197.0	308.0	380.0
79	11	29	13	(333)	5	6.00	274.0	200.0	200.0	392.0	440.0
79	11	29	14	(333)	5	5.90	274.0	216.0	216.0	476.0	500.0
79	11	29	15	(333)	4	6.50	275.0	232.0	232.0	560.0	560.0
79	11	29	16	(333)	4	10.30	274.0	257.0	257.0	560.0	560.0
79	11	29	17	(333)	4	9.20	271.0	260.0	260.0	560.0	560.0
79	11	29	18	(333)	4	9.60	270.0	284.0	284.0	557.0	557.0
79	11	29	19	(333)	4	10.50	267.0	300.0	300.0	553.0	553.0
79	11	29	20	(333)	4	11.30	264.0	307.0	307.0	549.0	549.0
79	11	29	21	(333)	4	8.50	263.0	285.0	285.0	544.0	544.0
79	11	29	22	(333)	4	7.90	263.0	281.0	281.0	539.0	539.0
79	11	29	23	(333)	4	7.30	262.0	272.0	272.0	534.0	534.0
79	11	29	24	(333)	4	6.10	261.0	271.0	271.0	527.0	527.0
79	11	30	1	(334)	4	5.60	260.0	269.0	269.0	643.0	643.0
79	11	30	2	(334)	4	5.60	260.0	271.0	271.0	580.0	580.0
79	11	30	3	(334)	4	5.00	259.0	256.0	256.0	583.0	583.0
79	11	30	4	(334)	4	6.40	259.0	263.0	263.0	585.0	585.0
79	11	30	5	(334)	4	7.40	258.0	273.0	273.0	587.0	587.0
79	11	30	6	(334)	4	6.70	257.0	266.0	266.0	590.0	590.0
79	11	30	7	(334)	4	6.20	256.0	259.0	259.0	592.0	592.0
79	11	30	8	(334)	4	6.20	255.0	271.0	271.0	594.0	594.0
79	11	30	9	(334)	4	5.10	255.0	279.0	279.0	545.0	545.0
79	11	30	10	(334)	4	5.30	257.0	276.0	276.0	545.0	545.0
79	11	30	11	(334)	4	4.70	258.0	256.0	256.0	544.0	544.0
79	11	30	12	(334)	4	4.20	260.0	259.0	259.0	543.0	543.0
79	11	30	13	(334)	4	4.80	261.0	262.0	262.0	542.0	542.0
79	11	30	14	(334)	4	5.30	262.0	240.0	240.0	541.0	541.0
79	11	30	15	(334)	4	5.00	262.0	252.0	252.0	540.0	540.0
79	11	30	16	(334)	4	4.80	262.0	258.0	258.0	540.0	540.0
79	11	30	17	(334)	4	4.30	261.0	251.0	251.0	540.0	540.0
79	11	30	18	(334)	4	5.10	260.0	256.0	256.0	549.0	549.0
79	11	30	19	(334)	5	4.60	259.0	250.0	250.0	558.0	585.0
79	11	30	20	(334)	5	4.20	257.0	234.0	234.0	568.0	608.0
79	11	30	21	(334)	5	4.80	257.0	231.0	231.0	580.0	630.0
79	11	30	22	(334)	5	4.70	256.0	245.0	245.0	593.0	653.0
79	11	30	23	(334)	5	4.60	255.0	254.0	254.0	608.0	675.0
79	11	30	24	(334)	5	5.10	254.0	273.0	273.0	624.0	698.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	1	1	(335)	5	4.70	254.0	266.0	266.0	458.0	210.0
79	12	1	2	(335)	5	4.70	254.0	266.0	266.0	458.0	210.0
79	12	1	3	(335)	5	5.30	253.0	269.0	269.0	569.0	720.0
79	12	1	4	(335)	5	5.10	253.0	270.0	270.0	572.0	720.0
79	12	1	5	(335)	4	5.30	253.0	293.0	293.0	575.0	575.0
79	12	1	6	(335)	4	5.30	254.0	281.0	281.0	578.0	578.0
79	12	1	7	(335)	4	5.00	254.0	170.0	170.0	581.0	581.0
79	12	1	8	(335)	4	4.80	254.0	261.0	261.0	585.0	585.0
79	12	1	9	(335)	4	3.40	254.0	261.0	261.0	588.0	588.0
79	12	1	10	(335)	4	4.40	254.0	300.0	300.0	722.0	722.0
79	12	1	11	(335)	4	4.90	255.0	275.0	275.0	733.0	733.0
79	12	1	12	(335)	4	3.90	258.0	281.0	281.0	745.0	745.0
79	12	1	13	(335)	4	4.90	260.0	281.0	281.0	756.0	756.0
79	12	1	14	(335)	4	4.60	262.0	285.0	285.0	767.0	767.0
79	12	1	15	(335)	4	4.40	263.0	281.0	281.0	779.0	779.0
79	12	1	16	(335)	4	3.90	263.0	272.0	272.0	790.0	790.0
79	12	1	17	(335)	4	4.20	263.0	290.0	290.0	790.0	790.0
79	12	1	18	(335)	4	2.90	262.0	291.0	291.0	790.0	790.0
79	12	1	19	(335)	5	3.90	261.0	267.0	267.0	762.0	717.0
79	12	1	20	(335)	5	4.50	260.0	255.0	255.0	732.0	644.0
79	12	1	21	(335)	5	4.80	259.0	260.0	260.0	698.0	572.0
79	12	1	22	(335)	5	5.20	258.0	258.0	258.0	661.0	500.0
79	12	1	23	(335)	5	5.50	257.0	273.0	273.0	619.0	427.0
79	12	1	24	(335)	5	7.40	257.0	255.0	255.0	572.0	355.0
79	12	2	1	(336)	4	7.50	258.0	262.0	262.0	880.0	880.0
79	12	2	2	(336)	4	7.10	257.0	269.0	269.0	864.0	864.0
79	12	2	3	(336)	4	7.10	257.0	278.0	278.0	1093.0	1073.0
79	12	2	4	(336)	4	6.60	257.0	285.0	285.0	1127.0	1127.0
79	12	2	5	(336)	4	6.70	256.0	281.0	281.0	1160.0	1160.0
79	12	2	6	(336)	4	5.80	256.0	271.0	271.0	1194.0	1194.0
79	12	2	7	(336)	4	5.70	255.0	258.0	258.0	1228.0	1228.0
79	12	2	8	(336)	4	4.60	255.0	281.0	281.0	1261.0	1261.0
79	12	2	9	(336)	5	4.20	256.0	272.0	272.0	1295.0	210.0
79	12	2	10	(336)	5	3.10	256.0	278.0	278.0	86.0	277.0
79	12	2	11	(336)	4	1.80	258.0	248.0	248.0	914.0	914.0
79	12	2	12	(336)	3	2.00	261.0	321.0	321.0	374.0	501.0
79	12	2	13	(336)	5	2.40	262.0	339.0	339.0	518.0	613.0
79	12	2	14	(336)	3	1.40	263.0	314.0	314.0	662.0	726.0
79	12	2	15	(336)	3	1.90	263.0	358.0	358.0	806.0	838.0
79	12	2	16	(336)	4	1.90	264.0	7.0	7.0	950.0	950.0
79	12	2	17	(336)	4	0.60	264.0	97.0	97.0	950.0	950.0
79	12	2	18	(336)	5	0.10	263.0	281.0	281.0	950.0	950.0
79	12	2	19	(336)	6	0.10	262.0	311.0	311.0	943.0	931.0
79	12	2	20	(336)	5	1.80	261.0	326.0	326.0	935.0	912.0
79	12	2	21	(336)	5	2.40	262.0	70.0	70.0	926.0	893.0
79	12	2	22	(336)	5	4.40	262.0	54.0	54.0	916.0	875.0
79	12	2	23	(336)	5	4.50	261.0	54.0	54.0	906.0	856.0
79	12	2	24	(336)	5	4.70	262.0	58.0	58.0	894.0	837.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	3	1	(337)	5	5.50	262.0	54.0	54.0	753.0	712.0
79	12	3	2	(337)	5	4.40	263.0	51.0	51.0	743.0	700.0
79	12	3	3	(337)	4	5.40	263.0	53.0	53.0	950.0	950.0
79	12	3	4	(337)	4	5.80	263.0	57.0	57.0	950.0	950.0
79	12	3	5	(337)	5	5.90	264.0	51.0	51.0	950.0	800.0
79	12	3	6	(337)	5	5.50	264.0	41.0	41.0	950.0	800.0
79	12	3	7	(337)	5	6.40	264.0	49.0	49.0	950.0	800.0
79	12	3	8	(337)	5	8.00	264.0	54.0	54.0	950.0	800.0
79	12	3	9	(337)	4	7.00	265.0	56.0	56.0	950.0	950.0
79	12	3	10	(337)	5	6.70	266.0	63.0	63.0	70.0	800.0
79	12	3	11	(337)	5	6.60	266.0	65.0	65.0	192.0	800.0
79	12	3	12	(337)	4	5.80	267.0	65.0	65.0	827.0	827.0
79	12	3	13	(337)	4	3.80	267.0	38.0	38.0	820.0	820.0
79	12	3	14	(337)	5	4.20	268.0	32.0	32.0	557.0	800.0
79	12	3	15	(337)	3	3.80	268.0	36.0	36.0	678.0	800.0
79	12	3	16	(337)	5	3.80	268.0	36.0	36.0	800.0	800.0
79	12	3	17	(337)	5	3.60	268.0	32.0	32.0	800.0	800.0
79	12	3	18	(337)	5	3.40	268.0	20.0	20.0	300.0	800.0
79	12	3	19	(337)	5	2.70	267.0	7.0	7.0	795.0	787.0
79	12	3	20	(337)	5	2.20	267.0	348.0	348.0	790.0	775.0
79	12	3	21	(337)	5	2.70	267.0	328.0	328.0	784.0	762.0
79	12	3	22	(337)	4	2.50	267.0	317.0	317.0	778.0	778.0
79	12	3	23	(337)	4	3.30	268.0	312.0	312.0	770.0	770.0
79	12	3	24	(337)	4	2.90	268.0	286.0	286.0	762.0	762.0
79	12	4	1	(338)	4	3.30	268.0	262.0	262.0	630.0	630.0
79	12	4	2	(338)	4	3.80	268.0	265.0	265.0	614.0	614.0
79	12	4	3	(338)	4	4.20	268.0	266.0	266.0	800.0	800.0
79	12	4	4	(338)	4	4.80	269.0	273.0	273.0	800.0	800.0
79	12	4	5	(338)	4	4.50	269.0	273.0	273.0	800.0	800.0
79	12	4	6	(338)	4	4.40	269.0	273.0	273.0	800.0	800.0
79	12	4	7	(338)	4	4.50	268.0	272.0	272.0	800.0	800.0
79	12	4	8	(338)	4	5.10	268.0	274.0	274.0	800.0	800.0
79	12	4	9	(338)	4	4.60	268.0	256.0	256.0	800.0	800.0
79	12	4	10	(338)	4	4.30	267.0	246.0	246.0	727.0	727.0
79	12	4	11	(338)	4	3.50	268.0	241.0	241.0	723.0	723.0
79	12	4	12	(338)	4	6.30	268.0	227.0	227.0	718.0	718.0
79	12	4	13	(338)	4	6.00	268.0	214.0	214.0	714.0	714.0
79	12	4	14	(338)	5	6.10	269.0	205.0	205.0	486.0	700.0
79	12	4	15	(338)	5	7.00	269.0	200.0	200.0	593.0	700.0
79	12	4	16	(338)	5	6.70	268.0	197.0	197.0	700.0	700.0
79	12	4	17	(338)	5	7.50	267.0	208.0	208.0	700.0	700.0
79	12	4	18	(338)	5	7.80	266.0	212.0	212.0	700.0	699.0
79	12	4	19	(338)	5	7.10	265.0	224.0	224.0	693.0	681.0
79	12	4	20	(338)	5	6.30	264.0	226.0	226.0	685.0	662.0
79	12	4	21	(338)	4	5.80	264.0	227.0	227.0	676.0	676.0
79	12	4	22	(338)	4	6.10	265.0	224.0	224.0	666.0	666.0
79	12	4	23	(338)	4	4.80	265.0	223.0	223.0	656.0	656.0
79	12	4	24	(338)	5	4.10	266.0	211.0	211.0	643.0	587.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	5	1	(339)	5	3.50	266.0	192.0	192.0	554.0	497.0
79	12	5	2	(339)	5	4.40	266.0	204.0	204.0	540.0	480.0
79	12	5	3	(339)	5	5.60	268.0	229.0	229.0	729.0	550.0
79	12	5	4	(339)	4	5.90	269.0	231.0	231.0	732.0	732.0
79	12	5	5	(339)	4	8.00	270.0	245.0	245.0	735.0	735.0
79	12	5	6	(339)	4	8.20	270.0	244.0	244.0	738.0	738.0
79	12	5	7	(339)	4	8.90	269.0	248.0	248.0	741.0	741.0
79	12	5	8	(339)	4	8.80	269.0	255.0	255.0	745.0	745.0
79	12	5	9	(339)	4	9.60	269.0	254.0	254.0	748.0	748.0
79	12	5	10	(339)	4	9.00	269.0	254.0	254.0	642.0	642.0
79	12	5	11	(339)	4	8.30	269.0	257.0	257.0	638.0	638.0
79	12	5	12	(339)	4	6.90	270.0	256.0	256.0	635.0	635.0
79	12	5	13	(339)	4	6.70	271.0	246.0	246.0	631.0	631.0
79	12	5	14	(339)	4	7.30	271.0	267.0	267.0	627.0	627.0
79	12	5	15	(339)	4	8.00	271.0	263.0	263.0	624.0	624.0
79	12	5	16	(339)	4	6.60	271.0	265.0	265.0	620.0	620.0
79	12	5	17	(339)	4	6.70	271.0	265.0	265.0	620.0	620.0
79	12	5	18	(339)	4	7.80	270.0	272.0	272.0	620.0	620.0
79	12	5	19	(339)	4	6.00	270.0	264.0	264.0	613.0	613.0
79	12	5	20	(339)	4	7.50	269.0	262.0	262.0	606.0	606.0
79	12	5	21	(339)	4	6.40	269.0	272.0	272.0	598.0	598.0
79	12	5	22	(339)	4	5.40	269.0	269.0	269.0	589.0	589.0
79	12	5	23	(339)	4	4.50	268.0	260.0	260.0	578.0	578.0
79	12	5	24	(339)	4	4.80	268.0	262.0	262.0	567.0	567.0
79	12	6	1	(340)	4	6.10	267.0	282.0	282.0	498.0	498.0
79	12	6	2	(340)	4	4.90	267.0	287.0	287.0	435.0	435.0
79	12	6	3	(340)	4	4.10	267.0	282.0	282.0	743.0	743.0
79	12	6	4	(340)	4	3.40	266.0	271.0	271.0	757.0	757.0
79	12	6	5	(340)	4	4.40	265.0	254.0	254.0	770.0	770.0
79	12	6	6	(340)	4	4.80	263.0	236.0	236.0	784.0	784.0
79	12	6	7	(340)	5	5.50	261.0	246.0	246.0	798.0	480.0
79	12	6	8	(340)	4	5.50	260.0	258.0	258.0	811.0	811.0
79	12	6	9	(340)	4	6.50	259.0	267.0	267.0	825.0	825.0
79	12	6	10	(340)	4	5.60	259.0	266.0	266.0	736.0	736.0
79	12	6	11	(340)	4	4.80	260.0	277.0	277.0	744.0	744.0
79	12	6	12	(340)	4	5.30	262.0	276.0	276.0	751.0	751.0
79	12	6	13	(340)	4	5.30	263.0	285.0	285.0	758.0	758.0
79	12	6	14	(340)	4	5.80	264.0	307.0	307.0	765.0	765.0
79	12	6	15	(340)	5	5.50	264.0	318.0	318.0	660.0	734.0
79	12	6	16	(340)	4	3.80	263.0	304.0	304.0	780.0	780.0
79	12	6	17	(340)	4	2.90	264.0	291.0	291.0	780.0	780.0
79	12	6	18	(340)	4	3.40	263.0	257.0	257.0	779.0	779.0
79	12	6	19	(340)	5	4.30	262.0	259.0	259.0	750.0	702.0
79	12	6	20	(340)	5	5.00	260.0	271.0	271.0	718.0	627.0
79	12	6	21	(340)	5	5.30	259.0	280.0	280.0	684.0	553.0
79	12	6	22	(340)	5	5.00	259.0	275.0	275.0	645.0	478.0
79	12	6	23	(340)	5	3.60	258.0	290.0	290.0	602.0	404.0
79	12	6	24	(340)	5	4.80	258.0	311.0	311.0	553.0	329.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	7	1	(341)	4	4.10	257.0	293.0	293.0	373.0	373.0
79	12	7	2	(341)	5	4.90	257.0	299.0	299.0	362.0	320.0
79	12	7	3	(341)	4	4.90	256.0	292.0	292.0	879.0	879.0
79	12	7	4	(341)	4	4.50	256.0	294.0	294.0	889.0	889.0
79	12	7	5	(341)	5	5.10	255.0	283.0	283.0	900.0	180.0
79	12	7	6	(341)	5	3.70	255.0	287.0	287.0	911.0	180.0
79	12	7	7	(341)	4	3.90	254.0	283.0	283.0	922.0	922.0
79	12	7	8	(341)	4	4.00	254.0	281.0	281.0	933.0	933.0
79	12	7	9	(341)	4	3.10	255.0	299.0	299.0	944.0	944.0
79	12	7	10	(341)	4	2.40	256.0	290.0	290.0	518.0	518.0
79	12	7	11	(341)	4	2.10	258.0	307.0	307.0	502.0	502.0
79	12	7	12	(341)	5	2.10	259.0	310.0	310.0	161.0	272.0
79	12	7	13	(341)	4	3.30	260.0	285.0	285.0	469.0	469.0
79	12	7	14	(341)	5	3.40	261.0	321.0	321.0	291.0	346.0
79	12	7	15	(341)	4	4.40	261.0	306.0	306.0	436.0	436.0
79	12	7	16	(341)	4	2.70	262.0	307.0	307.0	420.0	420.0
79	12	7	17	(341)	4	2.70	262.0	309.0	309.0	420.0	420.0
79	12	7	18	(341)	4	4.20	262.0	301.0	301.0	420.0	420.0
79	12	7	19	(341)	4	3.60	262.0	315.0	315.0	415.0	415.0
79	12	7	20	(341)	4	4.00	261.0	295.0	295.0	410.0	410.0
79	12	7	21	(341)	4	4.50	261.0	285.0	285.0	404.0	404.0
79	12	7	22	(341)	4	5.20	261.0	305.0	305.0	397.0	397.0
79	12	7	23	(341)	4	4.90	261.0	304.0	304.0	390.0	390.0
79	12	7	24	(341)	4	5.10	261.0	306.0	306.0	382.0	382.0
79	12	8	1	(342)	4	5.60	260.0	300.0	300.0	389.0	389.0
79	12	8	2	(342)	4	6.60	259.0	291.0	291.0	375.0	375.0
79	12	8	3	(342)	4	7.00	258.0	289.0	289.0	473.0	473.0
79	12	8	4	(342)	4	6.60	257.0	289.0	289.0	479.0	479.0
79	12	8	5	(342)	4	7.00	256.0	288.0	288.0	485.0	485.0
79	12	8	6	(342)	4	7.10	256.0	289.0	289.0	491.0	491.0
79	12	8	7	(342)	4	6.30	255.0	288.0	288.0	497.0	497.0
79	12	8	8	(342)	4	5.40	255.0	271.0	271.0	503.0	503.0
79	12	8	9	(342)	5	6.20	254.0	269.0	269.0	509.0	320.0
79	12	8	10	(342)	4	5.80	254.0	272.0	272.0	442.0	442.0
79	12	8	11	(342)	4	6.30	256.0	277.0	277.0	443.0	443.0
79	12	8	12	(342)	4	5.40	258.0	274.0	274.0	445.0	445.0
79	12	8	13	(342)	4	5.20	260.0	268.0	268.0	446.0	446.0
79	12	8	14	(342)	4	4.80	262.0	260.0	260.0	447.0	447.0
79	12	8	15	(342)	4	5.40	264.0	265.0	265.0	449.0	449.0
79	12	8	16	(342)	4	5.30	264.0	264.0	264.0	450.0	450.0
79	12	8	17	(342)	4	4.70	264.0	267.0	267.0	450.0	450.0
79	12	8	18	(342)	5	3.80	263.0	243.0	243.0	450.0	449.0
79	12	8	19	(342)	5	4.80	261.0	238.0	238.0	443.0	433.0
79	12	8	20	(342)	5	5.20	260.0	250.0	250.0	437.0	417.0
79	12	8	21	(342)	5	5.60	259.0	253.0	253.0	429.0	401.0
79	12	8	22	(342)	5	5.00	258.0	264.0	264.0	421.0	384.0
79	12	8	23	(342)	5	5.80	257.0	257.0	257.0	411.0	368.0
79	12	8	24	(342)	4	6.40	256.0	270.0	270.0	401.0	401.0

RAM SYSTEM METEOROLOGICAL FILE LISTING. 1979 SURFACE DATA FROM STATION 1. 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	11	1	(345)	5	3.40	254.0	317.0	317.0	512.0	411.0
79	12	11	2	(345)	5	4.20	254.0	245.0	245.0	486.0	380.0
79	12	11	3	(345)	4	2.40	253.0	228.0	228.0	703.0	703.0
79	12	11	4	(345)	6	1.30	253.0	134.0	134.0	714.0	380.0
79	12	11	5	(345)	6	1.20	253.0	315.0	315.0	725.0	380.0
79	12	11	6	(345)	6	0.70	253.0	243.0	243.0	737.0	380.0
79	12	11	7	(345)	6	1.30	254.0	334.0	334.0	748.0	380.0
79	12	11	8	(345)	6	1.20	254.0	246.0	246.0	759.0	380.0
79	12	11	9	(345)	5	0.70	255.0	162.0	162.0	771.0	380.0
79	12	11	10	(345)	3	1.70	256.0	305.0	305.0	42.0	397.0
79	12	11	11	(345)	4	1.00	258.0	236.0	236.0	623.0	623.0
79	12	11	12	(345)	4	1.20	260.0	218.0	218.0	625.0	625.0
79	12	11	13	(345)	4	1.60	263.0	195.0	195.0	626.0	626.0
79	12	11	14	(345)	4	2.50	266.0	195.0	195.0	627.0	627.0
79	12	11	15	(345)	4	3.10	268.0	243.0	243.0	629.0	629.0
79	12	11	16	(345)	4	4.00	267.0	251.0	251.0	630.0	630.0
79	12	11	17	(345)	4	3.60	267.0	245.0	245.0	630.0	630.0
79	12	11	18	(345)	4	3.20	267.0	242.0	242.0	629.0	629.0
79	12	11	19	(345)	5	3.80	267.0	228.0	228.0	617.0	597.0
79	12	11	20	(345)	5	4.20	267.0	229.0	229.0	604.0	566.0
79	12	11	21	(345)	5	4.90	267.0	223.0	223.0	590.0	535.0
79	12	11	22	(345)	5	5.40	266.0	224.0	224.0	573.0	504.0
79	12	11	23	(345)	5	5.40	266.0	236.0	236.0	555.0	473.0
79	12	11	24	(345)	5	5.20	266.0	232.0	232.0	535.0	442.0
79	12	12	1	(346)	5	4.20	266.0	230.0	230.0	512.0	411.0
79	12	12	2	(346)	4	4.90	267.0	247.0	247.0	486.0	486.0
79	12	12	3	(346)	5	3.60	268.0	220.0	220.0	733.0	380.0
79	12	12	4	(346)	5	4.10	269.0	201.0	201.0	744.0	380.0
79	12	12	5	(346)	5	3.20	267.0	132.0	132.0	755.0	380.0
79	12	12	6	(346)	3	4.10	267.0	125.0	125.0	767.0	380.0
79	12	12	7	(346)	4	4.20	268.0	125.0	125.0	778.0	778.0
79	12	12	8	(346)	4	5.50	270.0	183.0	183.0	789.0	789.0
79	12	12	9	(346)	4	5.10	270.0	194.0	194.0	801.0	801.0
79	12	12	10	(346)	5	5.60	271.0	195.0	195.0	40.0	396.0
79	12	12	11	(346)	4	4.80	271.0	206.0	206.0	630.0	630.0
79	12	12	12	(346)	5	5.50	272.0	194.0	194.0	237.0	474.0
79	12	12	13	(346)	5	5.20	272.0	200.0	200.0	335.0	513.0
79	12	12	14	(346)	5	3.70	273.0	205.0	205.0	433.0	552.0
79	12	12	15	(346)	5	3.70	274.0	201.0	201.0	532.0	591.0
79	12	12	16	(346)	5	4.00	274.0	188.0	188.0	630.0	630.0
79	12	12	17	(346)	5	3.80	275.0	196.0	196.0	630.0	630.0
79	12	12	18	(346)	5	4.50	274.0	203.0	203.0	629.0	628.0
79	12	12	19	(346)	5	4.30	274.0	188.0	188.0	617.0	597.0
79	12	12	20	(346)	5	4.50	274.0	215.0	215.0	604.0	566.0
79	12	12	21	(346)	5	4.20	274.0	222.0	222.0	590.0	535.0
79	12	12	22	(346)	4	3.40	274.0	203.0	203.0	573.0	573.0
79	12	12	23	(346)	3	2.80	274.0	260.0	260.0	555.0	473.0
79	12	12	24	(346)	4	4.10	274.0	254.0	254.0	535.0	535.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	9	1	(343)	4	5.40	255.0	255.0	255.0	310.0	310.0
79	12	9	2	(343)	4	5.60	255.0	267.0	267.0	291.0	291.0
79	12	9	3	(343)	4	6.20	254.0	269.0	269.0	483.0	483.0
79	12	9	4	(343)	4	6.30	254.0	266.0	266.0	486.0	486.0
79	12	9	5	(343)	4	6.40	254.0	268.0	268.0	490.0	490.0
79	12	9	6	(343)	5	6.90	254.0	276.0	276.0	494.0	320.0
79	12	9	7	(343)	5	5.70	253.0	272.0	272.0	497.0	320.0
79	12	9	8	(343)	5	6.40	253.0	272.0	272.0	501.0	320.0
79	12	9	9	(343)	4	6.70	253.0	292.0	292.0	505.0	505.0
79	12	9	10	(343)	4	6.60	254.0	283.0	283.0	414.0	414.0
79	12	9	11	(343)	4	4.80	255.0	274.0	274.0	411.0	411.0
79	12	9	12	(343)	4	4.10	258.0	291.0	291.0	409.0	409.0
79	12	9	13	(343)	4	5.80	260.0	311.0	311.0	407.0	407.0
79	12	9	14	(343)	4	6.00	261.0	309.0	309.0	405.0	405.0
79	12	9	15	(343)	4	6.10	261.0	302.0	302.0	402.0	402.0
79	12	9	16	(343)	4	6.10	261.0	311.0	311.0	400.0	400.0
79	12	9	17	(343)	4	5.30	261.0	310.0	310.0	400.0	400.0
79	12	9	18	(343)	4	5.70	260.0	307.0	307.0	399.0	399.0
79	12	9	19	(343)	4	5.80	259.0	296.0	296.0	390.0	390.0
79	12	9	20	(343)	4	6.30	258.0	296.0	296.0	380.0	380.0
79	12	9	21	(343)	4	5.40	257.0	272.0	272.0	369.0	369.0
79	12	9	22	(343)	4	6.00	256.0	269.0	269.0	357.0	357.0
79	12	9	23	(343)	4	6.00	255.0	269.0	269.0	343.0	343.0
79	12	9	24	(343)	4	6.60	254.0	272.0	272.0	328.0	328.0
79	12	10	1	(344)	4	6.40	254.0	277.0	277.0	496.0	496.0
79	12	10	2	(344)	4	6.20	253.0	275.0	275.0	473.0	473.0
79	12	10	3	(344)	4	6.30	253.0	275.0	275.0	560.0	560.0
79	12	10	4	(344)	4	5.20	252.0	278.0	278.0	578.0	578.0
79	12	10	5	(344)	4	4.30	252.0	269.0	269.0	596.0	596.0
79	12	10	6	(344)	5	5.30	251.0	268.0	268.0	613.0	210.0
79	12	10	7	(344)	5	6.60	251.0	274.0	274.0	631.0	210.0
79	12	10	8	(344)	4	5.90	251.0	271.0	271.0	649.0	649.0
79	12	10	9	(344)	4	6.20	251.0	271.0	271.0	666.0	666.0
79	12	10	10	(344)	4	6.60	251.0	273.0	273.0	546.0	546.0
79	12	10	11	(344)	4	4.50	252.0	267.0	267.0	555.0	555.0
79	12	10	12	(344)	4	4.60	255.0	269.0	269.0	564.0	564.0
79	12	10	13	(344)	4	3.50	258.0	256.0	256.0	573.0	573.0
79	12	10	14	(344)	4	4.20	260.0	253.0	253.0	582.0	582.0
79	12	10	15	(344)	4	3.40	262.0	267.0	267.0	591.0	591.0
79	12	10	16	(344)	4	3.20	263.0	253.0	253.0	600.0	600.0
79	12	10	17	(344)	4	1.90	263.0	245.0	245.0	600.0	600.0
79	12	10	18	(344)	5	4.20	262.0	229.0	229.0	599.0	598.0
79	12	10	19	(344)	5	4.30	261.0	246.0	246.0	589.0	571.0
79	12	10	20	(344)	5	3.40	260.0	280.0	280.0	577.0	544.0
79	12	10	21	(344)	5	3.70	259.0	267.0	267.0	564.0	516.0
79	12	10	22	(344)	5	3.90	258.0	248.0	248.0	550.0	489.0
79	12	10	23	(344)	5	3.70	256.0	253.0	253.0	534.0	462.0
79	12	10	24	(344)	5	3.90	255.0	250.0	250.0	517.0	435.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	13	1	(347)	4	4.30	274.0	267.0	267.0	512.0	512.0
79	12	13	2	(347)	4	4.40	273.0	272.0	272.0	486.0	486.0
79	12	13	3	(347)	4	6.30	274.0	280.0	280.0	733.0	733.0
79	12	13	4	(347)	4	7.10	273.0	282.0	282.0	744.0	744.0
79	12	13	5	(347)	4	8.70	272.0	288.0	288.0	755.0	755.0
79	12	13	6	(347)	4	8.90	272.0	283.0	283.0	767.0	767.0
79	12	13	7	(347)	4	10.00	271.0	286.0	286.0	778.0	778.0
79	12	13	8	(347)	4	8.90	270.0	275.0	275.0	789.0	789.0
79	12	13	9	(347)	4	8.70	270.0	283.0	283.0	801.0	801.0
79	12	13	10	(347)	4	10.70	270.0	323.0	323.0	630.0	630.0
79	12	13	11	(347)	5	10.70	270.0	324.0	324.0	137.0	434.0
79	12	13	12	(347)	5	11.30	269.0	324.0	324.0	236.0	474.0
79	12	13	13	(347)	4	10.50	269.0	318.0	318.0	630.0	630.0
79	12	13	14	(347)	5	8.80	270.0	320.0	320.0	433.0	552.0
79	12	13	15	(347)	4	9.40	269.0	315.0	315.0	630.0	630.0
79	12	13	16	(347)	5	4.90	269.0	324.0	324.0	630.0	630.0
79	12	13	17	(347)	4	7.30	268.0	310.0	310.0	630.0	630.0
79	12	13	18	(347)	4	6.50	268.0	296.0	296.0	629.0	629.0
79	12	13	19	(347)	4	3.20	267.0	284.0	284.0	617.0	617.0
79	12	13	20	(347)	4	5.40	266.0	272.0	272.0	604.0	604.0
79	12	13	21	(347)	4	6.00	266.0	273.0	273.0	590.0	590.0
79	12	13	22	(347)	5	5.90	265.0	266.0	266.0	573.0	504.0
79	12	13	23	(347)	4	6.20	264.0	269.0	269.0	555.0	555.0
79	12	13	24	(347)	5	5.40	263.0	266.0	266.0	535.0	442.0
79	12	14	1	(348)	4	5.40	263.0	259.0	259.0	512.0	512.0
79	12	14	2	(348)	5	4.20	263.0	226.0	226.0	486.0	380.0
79	12	14	3	(348)	5	4.80	263.0	200.0	200.0	733.0	380.0
79	12	14	4	(348)	4	3.80	262.0	176.0	176.0	744.0	744.0
79	12	14	5	(348)	4	3.70	262.0	178.0	178.0	755.0	755.0
79	12	14	6	(348)	4	3.40	263.0	186.0	186.0	767.0	767.0
79	12	14	7	(348)	4	3.90	263.0	180.0	180.0	778.0	778.0
79	12	14	8	(348)	4	4.80	263.0	191.0	191.0	789.0	789.0
79	12	14	9	(348)	5	4.00	263.0	190.0	190.0	801.0	380.0
79	12	14	10	(348)	4	3.80	263.0	186.0	186.0	630.0	630.0
79	12	14	11	(348)	5	4.30	264.0	195.0	195.0	136.0	434.0
79	12	14	12	(348)	5	3.30	266.0	189.0	189.0	235.0	473.0
79	12	14	13	(348)	4	2.90	269.0	180.0	180.0	630.0	630.0
79	12	14	14	(348)	4	4.10	272.0	232.0	232.0	630.0	630.0
79	12	14	15	(348)	4	3.80	273.0	254.0	254.0	630.0	630.0
79	12	14	16	(348)	4	2.50	273.0	235.0	235.0	630.0	630.0
79	12	14	17	(348)	5	3.50	266.0	256.0	256.0	630.0	630.0
79	12	14	18	(348)	5	4.30	272.0	207.0	207.0	629.0	628.0
79	12	14	19	(348)	5	4.20	271.0	240.0	240.0	617.0	597.0
79	12	14	20	(348)	5	4.30	270.0	239.0	239.0	604.0	566.0
79	12	14	21	(348)	5	2.90	269.0	210.0	210.0	590.0	535.0
79	12	14	22	(348)	5	1.70	269.0	131.0	131.0	573.0	504.0
79	12	14	23	(348)	5	2.30	268.0	250.0	250.0	555.0	473.0
79	12	14	24	(348)	4	2.90	268.0	217.0	217.0	535.0	535.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	15	1	(349)	5	3.80	268.0	207.0	207.0	380.0	166.0
79	12	15	2	(349)	6	4.00	268.0	202.0	202.0	324.0	100.0
79	12	15	3	(349)	6	4.60	267.0	206.0	206.0	733.0	380.0
79	12	15	4	(349)	6	4.60	266.0	219.0	219.0	744.0	380.0
79	12	15	5	(349)	5	4.60	266.0	205.0	205.0	755.0	380.0
79	12	15	6	(349)	5	4.60	265.0	190.0	190.0	767.0	380.0
79	12	15	7	(349)	5	5.60	265.0	199.0	199.0	778.0	380.0
79	12	15	8	(349)	5	4.90	264.0	202.0	202.0	789.0	380.0
79	12	15	9	(349)	5	3.60	263.0	220.0	220.0	801.0	380.0
79	12	15	10	(349)	5	2.80	263.0	135.0	135.0	36.0	394.0
79	12	15	11	(349)	4	3.80	265.0	173.0	173.0	630.0	630.0
79	12	15	12	(349)	4	5.20	270.0	240.0	240.0	630.0	630.0
79	12	15	13	(349)	4	7.60	274.0	262.0	262.0	630.0	630.0
79	12	15	14	(349)	4	6.90	275.0	267.0	267.0	630.0	630.0
79	12	15	15	(349)	4	7.70	277.0	265.0	265.0	630.0	630.0
79	12	15	16	(349)	4	8.10	277.0	265.0	265.0	630.0	630.0
79	12	15	17	(349)	4	8.30	277.0	265.0	265.0	630.0	630.0
79	12	15	18	(349)	4	6.80	275.0	263.0	263.0	628.0	628.0
79	12	15	19	(349)	4	5.90	274.0	259.0	259.0	603.0	603.0
79	12	15	20	(349)	4	6.10	273.0	264.0	264.0	575.0	575.0
79	12	15	21	(349)	4	6.30	273.0	265.0	265.0	544.0	544.0
79	12	15	22	(349)	4	6.70	273.0	262.0	262.0	510.0	510.0
79	12	15	23	(349)	4	6.70	272.0	255.0	255.0	472.0	472.0
79	12	15	24	(349)	4	5.80	272.0	262.0	262.0	429.0	429.0
79	12	16	1	(350)	5	5.40	271.0	278.0	278.0	199.0	146.0
79	12	16	2	(350)	5	4.20	270.0	214.0	214.0	185.0	130.0
79	12	16	3	(350)	5	3.90	270.0	191.0	191.0	696.0	100.0
79	12	16	4	(350)	5	3.10	268.0	139.0	139.0	703.0	100.0
79	12	16	5	(350)	5	4.10	267.0	206.0	206.0	710.0	100.0
79	12	16	6	(350)	4	4.00	266.0	139.0	139.0	718.0	718.0
79	12	16	7	(350)	5	3.60	266.0	67.0	67.0	725.0	100.0
79	12	16	8	(350)	5	2.50	265.0	79.0	79.0	732.0	100.0
79	12	16	9	(350)	4	4.30	266.0	351.0	351.0	739.0	739.0
79	12	16	10	(350)	5	5.50	268.0	252.0	252.0	14.0	109.0
79	12	16	11	(350)	5	4.30	269.0	265.0	265.0	55.0	134.0
79	12	16	12	(350)	4	4.90	271.0	272.0	272.0	327.0	327.0
79	12	16	13	(350)	4	3.90	272.0	266.0	266.0	310.0	310.0
79	12	16	14	(350)	4	2.20	272.0	282.0	282.0	294.0	294.0
79	12	16	15	(350)	4	3.10	273.0	304.0	304.0	277.0	277.0
79	12	16	16	(350)	4	3.70	273.0	299.0	299.0	260.0	260.0
79	12	16	17	(350)	4	4.90	273.0	299.0	299.0	260.0	260.0
79	12	16	18	(350)	4	5.20	272.0	294.0	294.0	260.0	260.0
79	12	16	19	(350)	4	5.40	272.0	312.0	312.0	253.0	253.0
79	12	16	20	(350)	4	7.10	271.0	311.0	311.0	247.0	247.0
79	12	16	21	(350)	4	7.10	270.0	299.0	299.0	239.0	239.0
79	12	16	22	(350)	4	7.60	270.0	292.0	292.0	231.0	231.0
79	12	16	23	(350)	4	8.20	271.0	298.0	298.0	221.0	221.0
79	12	16	24	(350)	4	8.40	271.0	297.0	297.0	211.0	211.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	17	1	(351)	4	7.40	270.0	295.0	295.0	287.0	287.0
79	12	17	2	(351)	4	7.70	270.0	287.0	287.0	242.0	242.0
79	12	17	3	(351)	4	5.90	269.0	275.0	275.0	408.0	408.0
79	12	17	4	(351)	4	5.80	267.0	271.0	271.0	424.0	424.0
79	12	17	5	(351)	4	5.80	266.0	268.0	268.0	441.0	441.0
79	12	17	6	(351)	4	6.20	266.0	271.0	271.0	457.0	457.0
79	12	17	7	(351)	4	7.10	266.0	273.0	273.0	473.0	473.0
79	12	17	8	(351)	4	6.70	265.0	266.0	266.0	490.0	490.0
79	12	17	9	(351)	4	6.40	264.0	276.0	276.0	506.0	506.0
79	12	17	10	(351)	4	6.70	264.0	264.0	264.0	427.0	427.0
79	12	17	11	(351)	4	5.30	266.0	273.0	273.0	438.0	438.0
79	12	17	12	(351)	4	5.40	268.0	285.0	285.0	448.0	448.0
79	12	17	13	(351)	4	5.40	270.0	287.0	287.0	459.0	459.0
79	12	17	14	(351)	4	4.80	271.0	292.0	292.0	469.0	469.0
79	12	17	15	(351)	4	2.50	272.0	315.0	315.0	480.0	480.0
79	12	17	16	(351)	3	2.00	272.0	272.0	272.0	490.0	490.0
79	12	17	17	(351)	4	**0.50**	272.0	10.0	10.0	490.0	490.0
79	12	17	18	(351)	5	**0.70**	272.0	93.0	93.0	489.0	486.0
79	12	17	19	(351)	4	2.10	271.0	137.0	137.0	468.0	468.0
79	12	17	20	(351)	5	2.90	269.0	100.0	100.0	445.0	380.0
79	12	17	21	(351)	6	3.60	268.0	235.0	235.0	421.0	326.0
79	12	17	22	(351)	4	3.80	266.0	291.0	291.0	393.0	393.0
79	12	17	23	(351)	5	3.60	265.0	312.0	312.0	362.0	220.0
79	12	17	24	(351)	5	2.90	265.0	246.0	246.0	327.0	167.0
79	12	18	1	(352)	5	2.40	265.0	23.0	23.0	505.0	716.0
79	12	18	2	(352)	4	1.80	266.0	108.0	108.0	560.0	560.0
79	12	18	3	(352)	5	2.70	265.0	282.0	282.0	572.0	60.0
79	12	18	4	(352)	5	4.20	266.0	308.0	308.0	581.0	60.0
79	12	18	5	(352)	5	4.50	267.0	311.0	311.0	590.0	60.0
79	12	18	6	(352)	5	4.60	268.0	329.0	329.0	599.0	60.0
79	12	18	7	(352)	5	3.80	267.0	352.0	352.0	608.0	60.0
79	12	18	8	(352)	1	2.60	267.0	25.0	25.0	617.0	60.0
79	12	18	9	(352)	5	3.60	266.0	321.0	321.0	627.0	60.0
79	12	18	10	(352)	4	3.90	266.0	327.0	327.0	323.0	323.0
79	12	18	11	(352)	4	4.50	268.0	42.0	42.0	312.0	312.0
79	12	18	12	(352)	5	5.30	269.0	44.0	44.0	96.0	134.0
79	12	18	13	(352)	5	5.50	270.0	44.0	44.0	137.0	165.0
79	12	18	14	(352)	5	5.90	269.0	40.0	40.0	178.0	197.0
79	12	18	15	(352)	5	5.30	269.0	41.0	41.0	219.0	228.0
79	12	18	16	(352)	5	5.20	268.0	34.0	34.0	260.0	260.0
79	12	18	17	(352)	5	4.50	267.0	29.0	29.0	260.0	260.0
79	12	18	18	(352)	5	3.80	267.0	38.0	38.0	262.0	264.0
79	12	18	19	(352)	5	4.90	266.0	34.0	34.0	286.0	329.0
79	12	18	20	(352)	5	4.80	265.0	33.0	33.0	314.0	393.0
79	12	18	21	(352)	5	4.60	264.0	47.0	47.0	344.0	458.0
79	12	18	22	(352)	5	3.60	263.0	55.0	55.0	378.0	522.0
79	12	18	23	(352)	3	3.90	263.0	46.0	46.0	415.0	587.0
79	12	18	24	(352)	5	4.60	263.0	47.0	47.0	457.0	651.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	19	1	(353)	5	3.30	262.0	73.0	73.0	601.0	447.0
79	12	19	2	(353)	3	3.70	261.0	97.0	97.0	561.0	400.0
79	12	19	3	(353)	5	4.40	261.0	73.0	73.0	260.0	780.0
79	12	19	4	(353)	4	4.00	260.0	82.0	82.0	260.0	260.0
79	12	19	5	(353)	3	3.40	260.0	75.0	75.0	260.0	780.0
79	12	19	6	(353)	4	4.10	260.0	68.0	68.0	260.0	260.0
79	12	19	7	(353)	4	4.20	260.0	59.0	59.0	260.0	260.0
79	12	19	8	(353)	5	6.10	260.0	65.0	65.0	260.0	780.0
79	12	19	9	(353)	5	5.10	261.0	61.0	61.0	260.0	780.0
79	12	19	10	(353)	5	4.50	261.0	58.0	58.0	39.0	780.0
79	12	19	11	(353)	5	5.60	261.0	57.0	57.0	162.0	780.0
79	12	19	12	(353)	5	5.70	262.0	62.0	62.0	286.0	780.0
79	12	19	13	(353)	4	5.70	264.0	77.0	77.0	709.0	709.0
79	12	19	14	(353)	4	4.90	265.0	75.0	75.0	733.0	733.0
79	12	19	15	(353)	2	4.20	265.0	89.0	89.0	656.0	780.0
79	12	19	16	(353)	2	3.60	265.0	98.0	98.0	780.0	780.0
79	12	19	17	(353)	3	3.40	265.0	96.0	96.0	780.0	780.0
79	12	19	18	(353)	3	5.00	265.0	78.0	78.0	779.0	777.0
79	12	19	19	(353)	4	4.10	265.0	65.0	65.0	761.0	761.0
79	12	19	20	(353)	5	4.60	265.0	66.0	66.0	741.0	683.0
79	12	19	21	(353)	3	2.80	265.0	107.0	107.0	719.0	636.0
79	12	19	22	(353)	4	3.10	266.0	95.0	95.0	694.0	694.0
79	12	19	23	(353)	3	2.90	266.0	103.0	103.0	667.0	541.0
79	12	19	24	(353)	2	2.10	266.0	86.0	86.0	636.0	494.0
79	12	20	1	(354)	3	2.40	267.0	97.0	97.0	381.0	365.0
79	12	20	2	(354)	2	2.10	267.0	64.0	64.0	377.0	360.0
79	12	20	3	(354)	4	3.20	267.0	70.0	70.0	780.0	780.0
79	12	20	4	(354)	4	3.10	267.0	78.0	78.0	780.0	780.0
79	12	20	5	(354)	4	3.60	267.0	93.0	93.0	780.0	780.0
79	12	20	6	(354)	2	2.70	268.0	105.0	105.0	780.0	400.0
79	12	20	7	(354)	4	2.80	268.0	88.0	88.0	780.0	780.0
79	12	20	8	(354)	2	1.90	269.0	114.0	114.0	780.0	400.0
79	12	20	9	(354)	5	2.90	269.0	54.0	54.0	780.0	400.0
79	12	20	10	(354)	5	4.70	269.0	61.0	61.0	19.0	400.0
79	12	20	11	(354)	5	3.90	269.0	69.0	69.0	83.0	400.0
79	12	20	12	(354)	5	4.70	269.0	62.0	62.0	146.0	400.0
79	12	20	13	(354)	5	3.00	270.0	48.0	48.0	210.0	400.0
79	12	20	14	(354)	4	3.10	270.0	24.0	24.0	434.0	434.0
79	12	20	15	(354)	5	2.80	270.0	32.0	32.0	337.0	400.0
79	12	20	16	(354)	5	4.00	270.0	34.0	34.0	400.0	400.0
79	12	20	17	(354)	5	2.20	270.0	358.0	358.0	400.0	400.0
79	12	20	18	(354)	5	3.20	270.0	329.0	329.0	400.0	400.0
79	12	20	19	(354)	5	4.60	270.0	334.0	334.0	398.0	395.0
79	12	20	20	(354)	5	5.50	270.0	332.0	332.0	396.0	390.0
79	12	20	21	(354)	5	5.70	270.0	315.0	315.0	394.0	385.0
79	12	20	22	(354)	4	6.70	269.0	308.0	308.0	391.0	391.0
79	12	20	23	(354)	4	6.60	269.0	308.0	308.0	388.0	388.0
79	12	20	24	(354)	4	6.60	269.0	309.0	309.0	385.0	385.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	21	1	(355)	4	7.40	270.0	308.0	308.0	535.0	535.0
79	12	21	2	(355)	4	8.50	271.0	306.0	306.0	482.0	482.0
79	12	21	3	(355)	4	8.70	271.0	305.0	305.0	568.0	568.0
79	12	21	4	(355)	4	8.50	271.0	302.0	302.0	587.0	587.0
79	12	21	5	(355)	4	8.10	270.0	307.0	307.0	606.0	606.0
79	12	21	6	(355)	4	8.40	270.0	302.0	302.0	624.0	624.0
79	12	21	7	(355)	4	7.20	270.0	291.0	291.0	643.0	643.0
79	12	21	8	(355)	4	6.40	269.0	287.0	287.0	661.0	661.0
79	12	21	9	(355)	4	7.00	268.0	283.0	283.0	680.0	680.0
79	12	21	10	(355)	4	6.80	268.0	282.0	282.0	669.0	669.0
79	12	21	11	(355)	4	5.20	267.0	278.0	278.0	686.0	686.0
79	12	21	12	(355)	4	5.40	267.0	272.0	272.0	703.0	703.0
79	12	21	13	(355)	4	4.00	267.0	271.0	271.0	720.0	720.0
79	12	21	14	(355)	4	3.80	267.0	268.0	268.0	736.0	736.0
79	12	21	15	(355)	4	3.80	268.0	279.0	279.0	753.0	753.0
79	12	21	16	(355)	4	3.70	268.0	269.0	269.0	770.0	770.0
79	12	21	17	(355)	4	3.20	268.0	256.0	256.0	770.0	770.0
79	12	21	18	(355)	5	2.40	267.0	239.0	239.0	769.0	767.0
79	12	21	19	(355)	5	3.90	266.0	214.0	214.0	745.0	705.0
79	12	21	20	(355)	5	3.30	264.0	177.0	177.0	719.0	642.0
79	12	21	21	(355)	5	5.20	264.0	195.0	195.0	690.0	580.0
79	12	21	22	(355)	5	4.60	263.0	200.0	200.0	657.0	518.0
79	12	21	23	(355)	5	4.60	263.0	206.0	206.0	621.0	456.0
79	12	21	24	(355)	4	3.80	263.0	183.0	183.0	581.0	581.0
79	12	22	1	(356)	4	4.40	263.0	182.0	182.0	271.0	271.0
79	12	22	2	(356)	3	4.40	264.0	174.0	174.0	267.0	250.0
79	12	22	3	(356)	4	4.30	264.0	193.0	193.0	778.0	778.0
79	12	22	4	(356)	3	4.40	263.0	172.0	172.0	779.0	270.0
79	12	22	5	(356)	4	3.90	264.0	198.0	198.0	780.0	780.0
79	12	22	6	(356)	4	3.50	264.0	187.0	187.0	781.0	781.0
79	12	22	7	(356)	2	4.10	265.0	159.0	159.0	782.0	270.0
79	12	22	8	(356)	4	4.70	266.0	194.0	194.0	783.0	783.0
79	12	22	9	(356)	4	4.40	266.0	187.0	187.0	784.0	784.0
79	12	22	10	(356)	4	4.50	267.0	175.0	175.0	421.0	421.0
79	12	22	11	(356)	4	6.60	270.0	234.0	234.0	399.0	399.0
79	12	22	12	(356)	4	7.30	271.0	249.0	249.0	377.0	377.0
79	12	22	13	(356)	4	7.20	271.0	274.0	274.0	355.0	355.0
79	12	22	14	(356)	4	8.90	271.0	276.0	276.0	334.0	334.0
79	12	22	15	(356)	4	8.00	270.0	272.0	272.0	312.0	312.0
79	12	22	16	(356)	4	7.80	270.0	285.0	285.0	290.0	290.0
79	12	22	17	(356)	4	6.30	270.0	281.0	281.0	290.0	290.0
79	12	22	18	(356)	4	4.20	269.0	255.0	255.0	290.0	290.0
79	12	22	19	(356)	4	5.40	270.0	245.0	245.0	288.0	288.0
79	12	22	20	(356)	4	5.10	270.0	244.0	244.0	286.0	286.0
79	12	22	21	(356)	4	5.70	270.0	248.0	248.0	284.0	284.0
79	12	22	22	(356)	4	5.30	270.0	250.0	250.0	281.0	281.0
79	12	22	23	(356)	4	4.20	269.0	237.0	237.0	278.0	278.0
79	12	22	24	(356)	4	4.40	270.0	253.0	253.0	275.0	275.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	23	1	(357)	4	5.70	270.0	252.0	252.0	407.0	407.0
79	12	23	2	(357)	4	4.70	269.0	255.0	255.0	382.0	382.0
79	12	23	3	(357)	4	5.50	269.0	256.0	256.0	401.0	401.0
79	12	23	4	(357)	4	5.10	268.0	258.0	258.0	413.0	413.0
79	12	23	5	(357)	4	3.80	267.0	253.0	253.0	425.0	425.0
79	12	23	6	(357)	5	4.20	266.0	245.0	245.0	438.0	250.0
79	12	23	7	(357)	5	4.30	264.0	261.0	261.0	450.0	250.0
79	12	23	8	(357)	5	1.90	263.0	144.0	144.0	462.0	250.0
79	12	23	9	(357)	4	1.70	263.0	189.0	189.0	474.0	474.0
79	12	23	10	(357)	5	1.90	263.0	284.0	284.0	23.0	262.0
79	12	23	11	(357)	5	0.60	264.0	92.0	92.0	106.0	305.0
79	12	23	12	(357)	4	1.90	265.0	100.0	100.0	478.0	478.0
79	12	23	13	(357)	4	1.90	266.0	107.0	107.0	489.0	489.0
79	12	23	14	(357)	3	2.50	267.0	105.0	105.0	354.0	434.0
79	12	23	15	(357)	3	3.30	267.0	128.0	128.0	437.0	477.0
79	12	23	16	(357)	3	3.70	268.0	154.0	154.0	520.0	520.0
79	12	23	17	(357)	4	2.60	268.0	123.0	123.0	520.0	520.0
79	12	23	18	(357)	4	1.90	268.0	96.0	96.0	520.0	520.0
79	12	23	19	(357)	4	2.00	268.0	70.0	70.0	508.0	508.0
79	12	23	20	(357)	4	2.50	269.0	75.0	75.0	496.0	496.0
79	12	23	21	(357)	5	2.60	269.0	74.0	74.0	482.0	429.0
79	12	23	22	(357)	4	1.70	270.0	48.0	48.0	466.0	466.0
79	12	23	23	(357)	5	1.50	270.0	324.0	324.0	449.0	370.0
79	12	23	24	(357)	6	1.30	270.0	297.0	297.0	429.0	340.0
79	12	24	1	(358)	6	0.90	270.0	285.0	285.0	492.0	268.0
79	12	24	2	(358)	5	1.30	270.0	314.0	314.0	434.0	200.0
79	12	24	3	(358)	5	1.60	269.0	328.0	328.0	713.0	280.0
79	12	24	4	(358)	5	2.40	269.0	316.0	316.0	734.0	280.0
79	12	24	5	(358)	5	4.90	269.0	330.0	330.0	755.0	280.0
79	12	24	6	(358)	5	5.50	269.0	337.0	337.0	777.0	280.0
79	12	24	7	(358)	5	5.30	269.0	331.0	331.0	798.0	280.0
79	12	24	8	(358)	5	6.00	269.0	331.0	331.0	819.0	280.0
79	12	24	9	(358)	5	7.10	268.0	337.0	337.0	841.0	280.0
79	12	24	10	(358)	5	7.10	268.0	334.0	334.0	32.0	300.0
79	12	24	11	(358)	5	7.20	267.0	328.0	328.0	152.0	375.0
79	12	24	12	(358)	5	7.20	267.0	328.0	328.0	271.0	450.0
79	12	24	13	(358)	5	7.50	267.0	326.0	326.0	391.0	525.0
79	12	24	14	(358)	5	7.10	267.0	328.0	328.0	511.0	600.0
79	12	24	15	(358)	5	7.70	267.0	327.0	327.0	630.0	675.0
79	12	24	16	(358)	5	7.30	267.0	322.0	322.0	750.0	750.0
79	12	24	17	(358)	5	8.10	266.0	323.0	323.0	750.0	750.0
79	12	24	18	(358)	5	7.10	266.0	308.0	308.0	749.0	748.0
79	12	24	19	(358)	4	6.40	264.0	307.0	307.0	723.0	723.0
79	12	24	20	(358)	4	5.80	263.0	304.0	304.0	694.0	694.0
79	12	24	21	(358)	4	5.00	262.0	315.0	315.0	662.0	662.0
79	12	24	22	(358)	4	4.50	261.0	306.0	306.0	627.0	627.0
79	12	24	23	(358)	4	4.80	261.0	304.0	304.0	587.0	587.0
79	12	24	24	(358)	4	6.10	260.0	301.0	301.0	543.0	543.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	25	1	(359)	4	5.70	261.0	302.0	302.0	440.0	440.0
79	12	25	2	(359)	4	4.90	261.0	314.0	314.0	408.0	408.0
79	12	25	3	(359)	4	6.10	262.0	316.0	316.0	906.0	906.0
79	12	25	4	(359)	4	6.00	262.0	306.0	306.0	923.0	923.0
79	12	25	5	(359)	4	6.00	262.0	314.0	314.0	940.0	940.0
79	12	25	6	(359)	4	5.70	262.0	316.0	316.0	957.0	957.0
79	12	25	7	(359)	4	5.90	262.0	306.0	306.0	975.0	975.0
79	12	25	8	(359)	4	5.10	262.0	299.0	299.0	992.0	992.0
79	12	25	9	(359)	4	4.40	262.0	272.0	272.0	1009.0	1009.0
79	12	25	10	(359)	4	4.30	261.0	252.0	252.0	626.0	626.0
79	12	25	11	(359)	4	4.00	261.0	255.0	255.0	619.0	619.0
79	12	25	12	(359)	4	3.50	263.0	259.0	259.0	611.0	611.0
79	12	25	13	(359)	4	4.80	265.0	287.0	287.0	603.0	603.0
79	12	25	14	(359)	4	7.00	265.0	290.0	290.0	595.0	595.0
79	12	25	15	(359)	3	5.40	266.0	301.0	301.0	487.0	519.0
79	12	25	16	(359)	4	5.80	266.0	294.0	294.0	580.0	580.0
79	12	25	17	(359)	4	5.40	265.0	306.0	306.0	580.0	580.0
79	12	25	18	(359)	4	5.20	264.0	295.0	295.0	580.0	580.0
79	12	25	19	(359)	4	5.60	263.0	297.0	297.0	565.0	565.0
79	12	25	20	(359)	4	5.40	262.0	286.0	286.0	550.0	550.0
79	12	25	21	(359)	4	5.60	260.0	262.0	262.0	532.0	532.0
79	12	25	22	(359)	4	5.90	259.0	276.0	276.0	513.0	513.0
79	12	25	23	(359)	5	5.20	259.0	254.0	254.0	491.0	392.0
79	12	25	24	(359)	5	6.70	258.0	266.0	266.0	467.0	355.0
79	12	26	1	(360)	5	5.90	257.0	259.0	259.0	788.0	560.0
79	12	26	2	(360)	5	8.30	257.0	285.0	285.0	729.0	490.0
79	12	26	3	(360)	4	7.10	257.0	282.0	282.0	895.0	895.0
79	12	26	4	(360)	4	6.00	258.0	291.0	291.0	930.0	930.0
79	12	26	5	(360)	4	6.70	258.0	286.0	286.0	965.0	965.0
79	12	26	6	(360)	5	4.40	257.0	272.0	272.0	1000.0	280.0
79	12	26	7	(360)	5	4.80	256.0	271.0	271.0	1035.0	280.0
79	12	26	8	(360)	4	5.30	257.0	281.0	281.0	1070.0	1070.0
79	12	26	9	(360)	4	5.40	257.0	282.0	282.0	1105.0	1105.0
79	12	26	10	(360)	4	6.30	258.0	274.0	274.0	922.0	922.0
79	12	26	11	(360)	4	5.50	259.0	264.0	264.0	943.0	943.0
79	12	26	12	(360)	4	4.50	260.0	268.0	268.0	965.0	965.0
79	12	26	13	(360)	4	3.30	262.0	266.0	266.0	986.0	986.0
79	12	26	14	(360)	4	3.80	264.0	261.0	261.0	1007.0	1007.0
79	12	26	15	(360)	4	4.20	265.0	263.0	263.0	1029.0	1029.0
79	12	26	16	(360)	4	5.30	265.0	266.0	266.0	1050.0	1050.0
79	12	26	17	(360)	4	4.60	265.0	258.0	258.0	1050.0	1050.0
79	12	26	18	(360)	4	5.20	264.0	268.0	268.0	1050.0	1050.0
79	12	26	19	(360)	4	5.40	262.0	272.0	272.0	1023.0	1023.0
79	12	26	20	(360)	5	5.00	261.0	272.0	272.0	994.0	909.0
79	12	26	21	(360)	5	4.60	260.0	258.0	258.0	961.0	839.0
79	12	26	22	(360)	5	6.70	259.0	270.0	270.0	925.0	769.0
79	12	26	23	(360)	5	6.70	259.0	267.0	267.0	885.0	700.0
79	12	26	24	(360)	5	6.60	259.0	270.0	270.0	839.0	630.0

RAM SYSTEM METEOROLOGICAL FILE LISTING: 1979 SURFACE DATA FROM STATION 1, 1979 UPPER AIR DATA FROM STATION 14898.

YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	27	1	(361)	4	7.50	260.0	267.0	267.0	421.0	421.0
79	12	27	2	(361)	4	5.80	259.0	267.0	267.0	354.0	354.0
79	12	27	3	(361)	4	6.80	258.0	260.0	260.0	1144.0	1144.0
79	12	27	4	(361)	4	6.70	257.0	269.0	269.0	1155.0	1155.0
79	12	27	5	(361)	4	7.20	256.0	274.0	274.0	1165.0	1165.0
79	12	27	6	(361)	4	6.80	255.0	269.0	269.0	1175.0	1175.0
79	12	27	7	(361)	4	6.70	254.0	272.0	272.0	1186.0	1186.0
79	12	27	8	(361)	4	6.30	254.0	274.0	274.0	1196.0	1196.0
79	12	27	9	(361)	5	5.90	253.0	268.0	268.0	1207.0	490.0
79	12	27	10	(361)	5	6.70	253.0	273.0	273.0	29.0	499.0
79	12	27	11	(361)	5	6.20	254.0	268.0	268.0	144.0	536.0
79	12	27	12	(361)	4	6.30	256.0	266.0	266.0	780.0	780.0
79	12	27	13	(361)	4	5.40	258.0	268.0	268.0	765.0	765.0
79	12	27	14	(361)	4	4.20	260.0	267.0	267.0	750.0	750.0
79	12	27	15	(361)	4	4.30	262.0	266.0	266.0	735.0	735.0
79	12	27	16	(361)	4	4.70	264.0	261.0	261.0	720.0	720.0
79	12	27	17	(361)	4	3.00	264.0	279.0	279.0	720.0	720.0
79	12	27	18	(361)	4	3.40	263.0	249.0	249.0	720.0	720.0
79	12	27	19	(361)	5	4.00	261.0	225.0	225.0	689.0	640.0
79	12	27	20	(361)	5	4.60	260.0	253.0	253.0	656.0	560.0
79	12	27	21	(361)	5	3.40	259.0	298.0	298.0	619.0	480.0
79	12	27	22	(361)	5	2.70	257.0	245.0	245.0	578.0	400.0
79	12	27	23	(361)	5	2.10	256.0	280.0	280.0	532.0	320.0
79	12	27	24	(361)	5	3.80	256.0	292.0	292.0	480.0	240.0
79	12	28	1	(362)	5	2.90	257.0	286.0	286.0	855.0	859.0
79	12	28	2	(362)	5	3.40	257.0	280.0	280.0	856.0	860.0
79	12	28	3	(362)	5	3.10	257.0	305.0	305.0	1035.0	80.0
79	12	28	4	(362)	5	2.10	257.0	282.0	282.0	1070.0	80.0
79	12	28	5	(362)	6	0.80	257.0	360.0	360.0	1105.0	80.0
79	12	28	6	(362)	4	1.90	257.0	72.0	72.0	1140.0	1140.0
79	12	28	7	(362)	5	1.60	257.0	258.0	258.0	1175.0	80.0
79	12	28	8	(362)	4	3.40	258.0	56.0	56.0	1210.0	1210.0
79	12	28	9	(362)	5	4.60	259.0	90.0	90.0	1245.0	80.0
79	12	28	10	(362)	5	3.30	259.0	103.0	103.0	33.0	110.0
79	12	28	11	(362)	4	2.60	260.0	79.0	79.0	820.0	820.0
79	12	28	12	(362)	4	2.70	262.0	79.0	79.0	826.0	826.0
79	12	28	13	(362)	3	2.90	264.0	93.0	93.0	442.0	480.0
79	12	28	14	(362)	2	2.60	265.0	92.0	92.0	578.0	603.0
79	12	28	15	(362)	2	2.40	266.0	90.0	90.0	714.0	727.0
79	12	28	16	(362)	4	3.60	267.0	110.0	110.0	850.0	850.0
79	12	28	17	(362)	4	5.70	269.0	126.0	126.0	850.0	850.0
79	12	28	18	(362)	4	6.10	269.0	132.0	132.0	850.0	850.0
79	12	28	19	(362)	4	5.50	269.0	123.0	123.0	850.0	850.0
79	12	28	20	(362)	4	5.60	269.0	120.0	120.0	851.0	851.0
79	12	28	21	(362)	4	6.10	269.0	118.0	118.0	852.0	852.0
79	12	28	22	(362)	4	7.10	269.0	120.0	120.0	852.0	852.0
79	12	28	23	(362)	4	7.70	270.0	121.0	121.0	853.0	853.0
79	12	28	24	(362)	4	8.80	269.0	124.0	124.0	854.0	854.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	29	1	(363)	4	8.00	269.0	125.0	125.0	650.0	650.0
79	12	29	2	(363)	4	7.10	268.0	122.0	122.0	603.0	603.0
79	12	29	3	(363)	4	7.50	269.0	122.0	122.0	850.0	850.0
79	12	29	4	(363)	4	8.00	269.0	123.0	123.0	850.0	850.0
79	12	29	5	(363)	4	6.40	269.0	124.0	124.0	850.0	850.0
79	12	29	6	(363)	4	6.50	269.0	127.0	127.0	850.0	850.0
79	12	29	7	(363)	4	6.00	269.0	126.0	126.0	850.0	850.0
79	12	29	8	(363)	4	6.40	270.0	130.0	130.0	850.0	850.0
79	12	29	9	(363)	3	6.80	270.0	135.0	135.0	850.0	860.0
79	12	29	10	(363)	3	6.50	270.0	134.0	134.0	33.0	860.0
79	12	29	11	(363)	3	6.50	270.0	128.0	128.0	171.0	860.0
79	12	29	12	(363)	4	5.30	270.0	128.0	128.0	858.0	858.0
79	12	29	13	(363)	2	5.10	271.0	126.0	126.0	447.0	860.0
79	12	29	14	(363)	4	5.40	271.0	130.0	130.0	859.0	859.0
79	12	29	15	(363)	4	6.00	271.0	128.0	128.0	860.0	860.0
79	12	29	16	(363)	4	5.90	271.0	124.0	124.0	860.0	860.0
79	12	29	17	(363)	4	6.10	271.0	127.0	127.0	860.0	860.0
79	12	29	18	(363)	3	5.90	271.0	127.0	127.0	860.0	860.0
79	12	29	19	(363)	3	5.90	271.0	138.0	138.0	839.0	805.0
79	12	29	20	(363)	4	4.40	271.0	126.0	126.0	815.0	815.0
79	12	29	21	(363)	3	3.00	271.0	107.0	107.0	789.0	692.0
79	12	29	22	(363)	3	3.40	271.0	111.0	111.0	760.0	635.0
79	12	29	23	(363)	4	3.20	271.0	108.0	108.0	728.0	728.0
79	12	29	24	(363)	4	2.20	271.0	101.0	101.0	692.0	692.0
79	12	30	1	(364)	4	1.60	271.0	75.0	75.0	645.0	645.0
79	12	30	2	(364)	5	2.30	271.0	61.0	61.0	601.0	420.0
79	12	30	3	(364)	5	0.90	271.0	44.0	44.0	1036.0	410.0
79	12	30	4	(364)	5	0.00	271.0	49.0	49.0	1055.0	410.0
79	12	30	5	(364)	5	0.00	271.0	332.0	332.0	1075.0	410.0
79	12	30	6	(364)	5	0.00	271.0	330.0	330.0	1094.0	410.0
79	12	30	7	(364)	5	0.00	271.0	319.0	319.0	1114.0	410.0
79	12	30	8	(364)	4	0.00	270.0	326.0	326.0	1133.0	1133.0
79	12	30	9	(364)	4	0.00	267.0	311.0	311.0	1153.0	1153.0
79	12	30	10	(364)	4	0.00	267.0	323.0	323.0	845.0	845.0
79	12	30	11	(364)	4	0.00	266.0	317.0	317.0	845.0	845.0
79	12	30	12	(364)	4	0.00	265.0	313.0	313.0	844.0	844.0
79	12	30	13	(364)	4	0.00	264.0	306.0	306.0	843.0	843.0
79	12	30	14	(364)	3	0.00	264.0	319.0	319.0	571.0	702.0
79	12	30	15	(364)	2	0.00	264.0	316.0	316.0	705.0	771.0
79	12	30	16	(364)	2	0.00	265.0	319.0	319.0	840.0	840.0
79	12	30	17	(364)	4	0.00	264.0	317.0	317.0	840.0	840.0
79	12	30	18	(364)	4	0.00	264.0	323.0	323.0	840.0	840.0
79	12	30	19	(364)	5	0.00	263.0	320.0	320.0	821.0	789.0
79	12	30	20	(364)	4	0.00	263.0	317.0	317.0	799.0	799.0
79	12	30	21	(364)	5	0.00	262.0	321.0	321.0	774.0	683.0
79	12	30	22	(364)	5	3.40	262.0	322.0	322.0	747.0	631.0
79	12	30	23	(364)	4	3.90	261.0	307.0	307.0	717.0	717.0
79	12	30	24	(364)	5	3.80	260.0	309.0	309.0	683.0	525.0

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YEAR	MONTH	DAY	HOUR	JULIAN DAY NO.	STABILITY CLASS	WIND SPEED (M/S)	TEMPERATURE (DEG K)	AVERAGE FLOW VECTOR (DEG)	RANDOMIZED FLOW VECTOR (DEG)	RURAL MIXING HEIGHT (METERS)	URBAN MIXING HEIGHT (METERS)
79	12	31	1	(365)	5	3.80	259.0	299.0	299.0	420.0	420.0
79	12	31	2	(365)	5	4.00	259.0	283.0	283.0	420.0	420.0
79	12	31	3	(365)	5	4.50	259.0	298.0	298.0	840.0	420.0
79	12	31	4	(365)	4	4.90	260.0	302.0	302.0	840.0	840.0
79	12	31	5	(365)	4	4.90	260.0	307.0	307.0	840.0	840.0
79	12	31	6	(365)	5	4.70	260.0	308.0	308.0	840.0	420.0
79	12	31	7	(365)	5	4.70	259.0	286.0	286.0	840.0	420.0
79	12	31	8	(365)	5	4.60	258.0	286.0	286.0	840.0	420.0
79	12	31	9	(365)	4	5.00	260.0	307.0	307.0	840.0	840.0
79	12	31	10	(365)	4	4.60	260.0	300.0	300.0	535.0	535.0
79	12	31	11	(365)	4	4.70	261.0	309.0	309.0	516.0	516.0
79	12	31	12	(365)	5	5.40	262.0	322.0	322.0	151.0	420.0
79	12	31	13	(365)	5	4.50	263.0	333.0	333.0	218.0	420.0
79	12	31	14	(365)	5	4.20	265.0	343.0	343.0	353.0	420.0
79	12	31	15	(365)	5	4.20	265.0	343.0	343.0	353.0	420.0
79	12	31	16	(365)	5	4.60	265.0	349.0	349.0	420.0	420.0
79	12	31	17	(365)	5	5.40	265.0	348.0	348.0	420.0	420.0
79	12	31	18	(365)	5	5.20	264.0	347.0	347.0	420.0	420.0
79	12	31	19	(365)	5	5.70	264.0	342.0	342.0	420.0	420.0
79	12	31	20	(365)	5	6.70	264.0	350.0	350.0	420.0	420.0
79	12	31	21	(365)	5	7.60	264.0	347.0	347.0	420.0	420.0
79	12	31	22	(365)	5	7.80	263.0	340.0	340.0	420.0	420.0
79	12	31	23	(365)	5	8.70	263.0	338.0	338.0	420.0	420.0
79	12	31	24	(365)	5	9.00	263.0	333.0	333.0	420.0	420.0

APPENDIX B

AIR EMISSION CALCULATIONS

APPENDIX B

Air Emission Calculations - Mine

MINE CONSTRUCTION:

Drilling and Blasting - Use of 90% ANFO & 10% water gel for blasting rock during shaft sinking and drift construction.

Emission Factors and Source:

TSP - 0.05 kg/t of rock, AP-42, Table 8.22-1

SO_2 - 1.0 kg/t of ANFO, AP-42, Table 11.3-1

NO_x - 8.0 kg/t of ANFO, AP-42, Table 11.3-1

CO - 34.0 kg/t of ANFO, AP-42, Table 11.3-1

Pb - 0.00094 kg/t of rock, (see mill operation section "Coarse Ore Transport to Headframe" for calculation method), AP-42, Tables 7.18-1 and 8.22-1.

Process Rate:

Estimated Peak Production Levels

	Hourly	Daily	Yearly
Rock	30,439 t	56,445 t	2,329,951 t
ANFO	10.3 t	19.1 t	1,715 t

Duration: As required by process rate

Control Method and Efficiency: Residence settling and humid underground environment - 95% efficiency for TSP and Pb only

Calculation:

Process Rate X Emission Factor X (1- Control Efficiency) = Emission Rate

Example, TSP

30,439 t/h X 0.05 kg/t X 0.05 = 76.1 kg/h

Emitting Device: Total quantity of component air emissions will exit the mine at the east and west exhaust shafts (EER & WER). Each shaft will have two fans similar to a Joy M108-58 that will produce approximately 460,000 cfm at 900 hp each.

Mine Air Heating - Use of natural gas for direct fired mine air heating during construction. Heat content is 1000 btu/ft^3

Emission Factors and Source:

TSP - 10.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

SO_2 - 0.6 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

NO_x -120.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

HC - 8.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

CO - 20.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

Process Rate:

Estimated Peak Production Levels

Hourly	Daily	Yearly
.0844 $10^6 ft^3$	2.026 $10^6 ft^3$	76.01 $10^6 ft^3$

Duration: As required by process rate (for the number of calendar days in which air temperature is below 37°F for 12 hours)

Control Method and Efficiency: Use of clean burning natural gas in a highly efficient direct fired furnace

Calculation:

Process Rate X Emission Factor = Emission Rate.

Example, TSP

0.0844 $10^6 ft^3$/hr X 10.0 lb/$10^6 ft^3$ = 0.84 lb/hr.

Emitting Device: Same as drilling and blasting

Mobile Equipment - Use of diesel equipment to move personnel, materials, and rock during mine construction. Diesel fuel will contain 0.4 weight percent sulfur maximum.

Emission Factors and Source:

TSP - 11.0 lb/10^3 gal fuel (1.61 g/kg fuel) - page 62*

SO_2 - 31.0 lb/10^3 gal fuel NEDS-off road construction equipment

NO_2 - 108.5 lb/10^3 gal fuel (15.9 g/kg fuel) - page 81*

HC - 1.97 lb/10^3 gal fuel (.289 g/kg fuel) - page 66*

CO - 1.01 lb/10^3 gal fuel (.295 g/kg fuel) - page 69*

* All factors were obtained from "Emission Control of a Deutz F6L-714 diesel engine, derated for underground use, by application of water/oil fuel emissions" By: A. Lawson, E. W. Simmons, and M. Piett, March 30, 1979.

Process Rate:

Peak Volumes of Diesel Fuel Used		
Hourly	Daily	Yearly
157.8 gal	3076.7 gal	926,398 gal

Duration: As noted by process rate

Control Method and Efficiency: Use of clean burning air cooled Deutz engines with a catalytic scrubber all emission factors include control, except SO_2.

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

$0.1578\ 10^3$ gal/hr X 11.0 lb/10^3 gal fuel = 1.73 lb/hr

MINE OPERATION:

Drilling and Blasting - Use of 90% ANFO and 10% water gel for production stope blasting and drift development.

Emission Factors and Source:

TSP - 0.05 kg/t of rock, AP-42, Table 8-22-1

SO_2 - 1.0 kg/t of ANFO, AP-42, Table 11.3

NO_x - 8.0 kg/t of ANFO, AP-42, Table 11.3

CO - 34.0 kg/t of ANFO, AP-42, Table 11.3

Pb - 0.00094 kg/t of rock (see mill operation section "Coarse Ore Transport to Headframe" for calculation method), AP-42, Tables 8.22-1 and 7.18-1

Process Rate:

	Estimated Peak Production Levels		
	Hourly	Daily	Yearly
Rock	124,120 t	148,952 t	3,276,000 t
ANFO	42 t	47.9 t	2,411 t

Duration: As required by process rate

Control Method and Efficiency: Residence settling and humid underground environment - 95% efficiency for TSP and Pb only.

Calculation:

Process Rate X Emission Factor X (1-Control Efficiency) = Emission Rate

Example, TSP

124,120 t/h X .05 kg/t X .05 = 3.10 kg/h

Emitting Device: Total quantities of component air emissions will exit the mine at the east and west exhaust shafts (EER & WER). Each shaft will have two fans similar to a Joy M108-58 that will produce approximately 460,000 cfm at 900 hp each.

Mine Air Heating - Use of natural gas for direct fire mine air heating. Heat content is 1000 btu/ft^3

TSP - 10.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

SO_2 - 0.6 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

NO_x - 120.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

HC - 8.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

CO - 20.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6btu/hr

Process Rate:

Estimated Peak Production Levels

Hourly	Daily	Yearly
.1688 $10^6 ft^3$	4.05 $10^6 ft^3$	152.0 $10^6 ft^3$

Duration: As required by process rate

Control Method and Efficiency: Use of clean burning natural gas in a highly efficient direct fired furnace

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

$0.1688\ 10^6 ft^3/hr \times 10.0\ lb/10^6 ft^3 = 1.69\ lb/hr$

Emitting Device: Same as drilling and blasting

Mobile Equipment - use of diesel equipment to move personnel, materials, rock and ore during underground mine operation. Diesel fuel will contain 0.4 weight percent sulfur maximum.

Emission Factors and Source:

TSP - 11.0 $lb/10^3$ gal fuel (1.61 g/kg fuel) - page 62*

SO_2 - 31.0 $lb/10^3$ gal fuel NEDS - off-road construction equipment

NO_x - 108.5 $lb/10^3$ gal fuel (15.9 g/kg fuel) - page 81

HC - 1.97 $lb/10^3$ gal fuel (.289 g/kg fuel) - page 66

CO - 2.01 $lb/10^3$ gal fuel (.295 g/kg fuel) - page 69

*All factors with page numbers were obtained from "Emission control of a Deutz F6L-714 diesel engine, derated for underground use, by application of water/oil fuel emulsions" By; A. Lawson, E.W. Simmons, and M. Piett, March 30, 1979.

Process Rate:

Peak Volumes of Diesel Fuel Used		
Hourly	Daily	Yearly
232 gal	17,136 gal	1,040,000 gal

Duration: As required by process rate

Control Method and Efficiency: Use of clean burning, air cooled Deutz engines with a catalytic scrubber all emission factors include control, except SO_2.

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

$232\ gal/h \times 11.0\ lb/10^3\ gal = 2.55\ lb/h$

Emitting Device: Same as drilling and blasting

MINE/MILL SURFACE CONSTRUCTION:

Mine/Mill Site - Earthmoving and excavation activities will occur to clear and grade site to allow foundation work for structures and roads.

Emission Factors and Source: AP-42, Table 11.2.4

TSP - 0.0555 st/acre/month*

* From 1.2 short tons/acre/month X $\left(\frac{\text{Silt Ratio}}{\text{Precipitation Ratio}}\right)^2$

Silt Ratio = 6% (native soil)/30% (standard)
Precipitation Ratio = 104 (AP-42, Fig. 11.2-2)/50(standard)

Process Rate:

Peak construction levels expected

Winter - 9.14 acres/month

Summer - 91.4 acres/month

Duration: Winter - 5 months (4.3 wk/month, 5 day/wk)

Control Method and Efficiency: Wetting of disturbed area if necessary

Calculation:

Process Rate X Emission Factor X Duration = Emission Rate

Example: TSP

9.14 acres/month X 0.0555 st/acre/month X

5 months/yr = 2.6 st/yr

+ 91.4 acres/month X 0.0555 st/acre/month X
4 months/yr = 20.2 st/yr

TSP = 2.6 + 20.2 = 22.8 st/yr

Railroad Bed - Earthmoving and excavation activities will occur to clear and grade right-of-way for rail bed.

Emission Factors and Source: AP-42, Table 11.2.4

TSP-0.0555 st/acre/month (See Mine/Mill Site)

Process Rate:

Peak construction level expected

Winter - 7.41 acres total

Summer - 74.1 acres total

Duration: Winter - 5 months (4.3wk/month, 5 day/wk)

Summer - 7 months (4.3wk/month, 5 day/wk)

Control Method and Efficiency: Wetting of disturbed area if necessary

Calculation:

Process Rate X Emission Factor X Duration = Emission Rate

Example, TSP

7.41 acres X 0.0555 st/acre/month X 5 months/yr
= 20 st/yr
+ 74.1 acres X 0.0555 st/acre/month X 7 month/yr
= 28.8 st/yr
TSP = 2.0 + 28.8 = 30.8 st/yr

Access Road - Earthmoving and excavation activities will occur to clear and grade access road route

Emission Factors and Source: AP-42, Table 11.2.4

TSP - 0.0555 st/acre/month (See Mine/Mill Site)

Process Rate:

Peak construction levels expected
Summer - 61.8 acres total

Duration: Summer - 7 months (4.3 wk/month, 5 day/wk)

Control Method and Efficiency: Wetting of disturbed area if necessary

Calculation:

Process Rate X Emission Factor X Duration = Emission Rate

Example, TSP

61.8 acres 0.0555 st/acre/month X 7 month/yr = 24.0 st/yr

Waste Rock Area - Earthmoving and excavation activities will occur to clear and grade containment area for waste rock storage.

Emission Factors and Source: AP-42, Table 11.2.4
TSP - 0.0555 st/acre/month (See Mine/Mill Site)

Process Rate:
Peak construction level expected.
Summer - 44.5 acres total

Duration: Summer - 4 months (4.3wk/month, 5 day/wk)

Control Method and Efficiency: Wetting of disturbed area if necessary

Calculation:
Process Rate X Emission Factor X Duration = Emission Rate

Example: TSP
44.5 acres X 0.0555 st/acre/month X 4 month/yr = 9.8 st/yr

Reclaim Ponds - Earthmoving and excavation activities will occur to clear and grade containment area for water retention

Emission Factors and Source: AP-42, 11.2.4

TSP - 0.0555 st/acre/month (See Mine/Mill Site)

Process Rate:

Peak construction levels expected

Summer - 46.9 acres total

Duration: Summer - 7 months (4.3 wk/month, 5 day/wk)

Control Method and Efficiency: Wetting of disturbed area if necessary

Calculation:

Process Rate X Emission Factor X Duration = Emission Rate

Example, TSP

46.9 acres X 0.0555 st/acre/month X 7 months/yr
= 18.2 st/yr

Fuel Transfer and Storage - Diesel fuel and gasoline will be transferred from a tank wagon to temporary storage tanks until dispensed to equipment and vehicles.

Emission Factors and Source: AP-42, Tables 4.3 & 4.4

HC 1.08000 kg/10^3 L Gasoline Dispensing Loss
HC 0.00259 kg/10^3 L Diesel Fuel Dispensing Loss
HC 0.98000 kg/10^3 L Gasoline Tank Loading Loss
HC 0.00236 kg/10^3 L Diesel Tank Loading Loss
HC 0.08400 kg/10^3 L Gasoline Spillage Loss
HC 0.00020 kg/10^3 L Diesel Spillage Loss
HC 0.01200 kg/10^3 L Gasoline Breathing Loss
HC 0.00029 kg/10^3 L Diesel Breathing Loss

Process Rate:

Peak construction levels use

	Diesel	Gasoline
Winter	22,450 L/d	530 L/d
Summer	32,850 L/d	660 L/d

Duration: Winter - 5 months (4.3 wk/month, 5 day/wk)

Summer - 7 months (4.3 wk/month, 5 day/wk)

Control Method and Efficiency: None

Calculation: Summation of processes

Process Rate X Emission Factor X Duration = Emission Rate

Example: HC (Gasoline - Summer)

0.66 X 10^3 L/d X 1.080 kg/10^3 L = 0.710 kg/d
+0.66 X 10^3 L/d X 0.980 kg/10^3 L = 0.650 kg/d
+0.66 X 10^3 L/d X 0.084 kg/10^3 L = 0.080 kg/d

(Diesel - Summer)

32.85 X 10^3 L/d X 0.00259 kg/10^3 L = 0.085 kg/d
32.85 X 10^3 L/d X 0.00259 kg/10^3 L = 0.078 kg/d
32.85 X 10^3 L/d X 0.00020 kg/10^3 L = 0.007 kg/d
32.85 X 10^3 L/d X 0.00029 kg/10^3 L = 0.010 kg/d

Total 1.680 kg/d

Emitting Device: Temporary fuel storage tanks and filling hoses

Concrete Batch Plant - Mixing of aggregate, sand & cement for use during plant construction activities.

Emission Factors and Source: AP-42, Table 8.10-1

TSP - 0.02 lb/yd^3

Process Rate: 75 yd^3/h of concrete

Duration: 24 hr/day, 5 day/wk, 4.3 wk/month, 7 month/yr

Control Method and Efficiency: Enclosure of conveyors and elevators, filters on storage bin vents, and water sprays, control efficiency of 90% is included in emission factor for "Good Controlled" batch plant

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

75 yd^3/h X 0.02 lb/yd^3 = 1.5 lb/h

Emitting Device: Passive filter and baghouse with centrifugal fan

Tailpipe Emissions - Use of diesel fuel to power off road equipment during construction of mine/mill site. Diesel fuel will contain 0.4 weight percent sulfur maximum.

Emission Factors and Source: U.S. EPA-National Air Data Branch (MD-14) (Off-road construction equipment)

Diesel

TSP	-	39.35 lb/10^3 gal burned
SO_2	-	31.0 lb/10^3 gal burned
NO_x	-	376.2 lb/10^3 gal burned
CO	-	112.3 lb/10^3 gal burned
HC	-	56.4 lb/10^3gal burned

Process Rate: 2.7 X 10^3 gal/day

Duration: 13.5 hr/day, 5 day/wk, 4.3 wk/month, 7 month/yr

Control Method and Efficiency: None - Values are best estimate of tailpipe exit components

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

2.7 X 10^3 gal/day X 39.35 lb/10^3 gal = 106 lb/day

MINE/MILL SURFACE OPERATIONS:

Coarse Ore Transport to Headframe - Dumping of skips in the ore storage bins 55% of ore is Zn-Cu-Pb and 45% is Cu-Zn.

Emission Factors and Source:

TSP - 0.05 kg/t - AP-42, Table 8.22-1

(1) Ore handling emission factor, AP-42, Table 8.22-1.

(2) Zn-Cu-Pb crushing & screening for TSP, AP-42, Table 7.18-1.

(3) Zn-Cu-Pb crushing & screening for Pb, AP-42, Table 7.18-1.

$$Pb = \frac{(.05\ kg/t)^{(1)}}{(3.2\ kg/t)^{(2)}} = \frac{X}{(0.06\ kg/t)^{(3)}} = \begin{matrix} .00094\ kg/t\ (Zn\text{-}Cu\text{-}Pb) \\ .000094\ kg/t\ (Cu\text{-}Zn) \end{matrix}$$

Process Rate: 1030 m/h with 0.85 service factor.

Duration: 14 hr/day, 5 day/wk, 52 wk/yr.

Control Method and Efficiency: Wet scrubber - 99.5% efficiency

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Collection Efficiency) = Emission Rate

Example, TSP

1030 t/h X 0.05 kg/h X 0.005 = 0.26 kg/t

Emitting Device: Wet scrubber with centrifugal fan

Coarse Ore Storage Building - Filling of building bins by conveyor (identical to method used for Coarse Ore Transport to Headframe)

Waste Rock Storage Bins - Consists of ore handling for storage bin, conveyor, and truck loading.

Emission Factors and Source:

TSP - 0.05 kg/t, AP-42, Table 8.22-1

Process Rate: 1020 t/h X 2/3 for bin and conveyor loading

1020 t/h X 1/3 for truck loading

Duration: 3 hr/day, 5 day/wk, 52 wk/yr

Control Method and Efficiency: Baghouse for bin and conveyor loading - 99.5%; capture efficiency for truck loading - 95%

Calculation:

Process Rate X Emission Factor X (1-Collection Efficiency) = Emission Rate

Example, TSP

1020 t/h X 2/3 X 0.05 kg/t X (1-.995) = 0.17 kg/h

1020 t/h X 1/3 X 0.05 kg/t X (1-.95) = 0.84 kg/h

Emitting Device: Baghouse with centrifugal fan

Surge Bins for Secondary and Tertiary Crushing and Screening-Bin Loading

Emission Factors and Source:

TSP - .05 kg/t, AP-42, Table 8.22-1

Pb - .00094 kg/t (Zn-Cu-Pb Ore), AP-42, Tables 7.18-1 and 8.22-1

Pb - .000094 kg/t (Cu-Zn Ore), AP-42, Tables 7.18-1 and 8.22-1

Process Rate: 620 t/h for 20% or 2 bins, 55% Zn-Cu-Pb Ore, 45% Cu-Zn ore, both have 0.85 service factor

Duration: 19.5 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Passive filter - 90%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

620 t/h X 0.20 X 0.05 kg/ t X (1-.90) = 0.62 kg/h

Emitting Device: Passive filter

Fine Ore Crushing and Screening - Crushing of Zn-Cu-Pb and Cu-Zn ores

Emission Factors and Source:

TSP - 3.2 kg/t, AP-42, Table 7.18-1

Pb - 0.06 kg/t, (Zn-Cu-Pb ore), AP-42, Table 7.18-1

Process Rate: 620 t/h with 0.85 service factor, 55% Zn-Cu-Pb and 45% Cu-Zn ore

Duration: 19-1/2 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Wet scrubber - 99.4%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

620 t/h X 3.2 kg/t X (1-.994) = 11.9 kg/h

Emitting Device: Wet scrubber with centrifugal fan

Waste Rock Crushing - Coarse crushing of waste rock for plant use

Emission Factor and Source:

TSP - 0.1 kg/t, AP-42, Table 8.22-1

Process Rate: 150 t/h with 0.85 service factor

Duration: 19.5 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Wet scrubber - 99.5%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

150 t/h X 0.1 kg/ t X (1-.995) = 0.075 kg/h

Emitting Device: Wet scrubber with centrifugal fan

Fine Ore Transfer Tower - Handling of 55% Zn-Cu-Pb and 45% Cu-Zn ore

Emission Factor and Source:

TSP - 0.05 kg/t, AP-42, Table 8.22-1

Pb - 0.00094 kg/t (Zn-Cu-Pb ore), AP-42, Tables 7-18.1 and 8.22-1

Pb - 0.000094 kg/t (Cu-Zn ore), AP-42, Tables 7-18.1 and 8.22-1

Process Rate: 620 t/h with 0.85 service factor, 55% Zn-Cu-Pb and 45% Cu-Zn ore

Duration: 19.5 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Wet scrubber - 99.5%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

620 t/h X 0.05 kg/t X (1-.995) = 0.16 kg/h

Emitting Device: Wet scrubber with centrifugal fan

Zn-Cu-Pb Fine Ore Bin Loading - with conveyor, 55% of ore

Emission Factors and Source:

TSP - 0.05 kg/t, AP-42, Table - 8.22-1

Pb - .00094 kg/t (Zn-Cu-Pb ore), AP-42, Tables 7.18-1 and 8.22-1

Process Rate: 620 t/h X 0.55 X 0.85 service factor

Duration: 19.5 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Baghouse - 99.6%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

620 t/h X 0.55 X 0.05 kg/t X (1-.996) = 0.07 kg/h

Emitting Device: Baghouse with centrifugal fan

Cu-Zn Fine Ore Bin Loading - with conveyor, 45% of ore

Emission Factors and Source:

TSP - 0.05 kg/t, AP-42, Table 8.22-1

Pb - 0.000094 kg/t, AP-42, Tables 7.18-1 and 8.22-1

Process Rate: 620 t/h X 0.45 X 0.85 service factor

Duration: 19.5 hr/day, 6 day/wk, 52 wk/yr

Control Method and Efficiency: Baghouse - 99.6%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

620 t/h X 0.45 X 0.05 kg/t X (1-.996) = 0.06 kg/h

Emitting Device: Baghouse with centrifugal fan

Zn-Cu-Pb Fine Ore Bin Unloading by Conveyor

Emission Factors and Source:

TSP - 0.05 kg/t, AP-42, Table 8.22-1

Pb - 0.00094 kg/t, AP-42, Tables 7.18-1 and 8.22-1

Process Rate: 219 t/h

Duration: 24 hr/day, 350 day/yr

Control Method and Efficiency: Wet Scrubber - 99.4%

Calculation:

Process Rate X Emission Factor X (1-Efficiency Factor) = Emission Rate

Emitting Device: Wet scrubber with centrifugal fan

Cu-Zn Fine Ore Bin Unloading by Conveyor

Emission Factor and Source:

TSP - 0.05 kg/t, AP-42, Table 8.22-1

Pb - 0.000094 kg/t, AP-42, Tables 7.18-1 and 8.22-1

Process Rate: 179 t/h

Duration: 24 hr/day, 350 day/yr

Control Method and Efficiency: Wet Scrubber - 99.4%

Calculation:

Process Rate X Emission Factor X Service Factor X (1-Efficiency Factor) = Emission Rate

Example, TSP

179 t/h X 0.05 kg/t X (1-.994) = 0.05 kg/h

Emitting Device: Wet Scrubber with centrifugal fan

Milk of Lime Facilities - loading of tank

Emission Factor and Source:

TSP - 1 kg/t, AP-42, Tables 8.15-1 and 8.20-1

Process Rate: 50 kg/h

Duration: 7 hr/day, 5 day/wk, 52 wk/yr

Control Method and Efficiency: Wet scrubber - 98.6%

Calculation:

Process Rate X Emission Factor X (1-Efficiency) = Emission Rate

Example: TSP - $\frac{50 \text{ kg/h}}{1000 \text{ kg/t}}$ X 1 kg/t X (1 - .986) = 0.001 kg/h

Emitting Device: Wet scrubber with centrifugal fan

Reagent Mixing Area - Includes handling and mixing of reagents such as NaEX, NaIX, NaCN, PAX

Emission Factor and Source:

3 kg/mt, AP-42, Table 5.16-1

Process Rate: 1) 0.05 t/h (NaEX, NaIX, NaCN, PAX)

2) 0.96 mg/h ($ZnSO_4$, $CuSO_4$, Na_2S, Na_2CO_3, Flocculant, Na_2, Cr_2O_7, Na_2SiO_3, CMC)

Duration: 24 hr/day, 350 day/yr

Control Method and Efficiency: Process (1) passive filter-90% efficiency, Process (2) scrubber-98% efficiency, AP-42, Table A-2

Calculation:

Process Rate X Emission Factor X (1-Efficiency) = Emission Rate

Example, TSP

0.05 t/h X 3.0 kg/t X (1-.90) = 0.015 kg/h

Emitting Device: Passive filter and wet scurbber with centrifugal fan

Concentrate Handling and Shipping - Includes transfer of zinc, copper, lead concentrate.

Emission Factors and Source:

TSP - 0.05 kg/t with 10% for moisture, AP-42, Table 8.22-1

Pb - 0.0023 kg/t X 10% for moisture, for lead ore only, AP-42, Tables 7.18-1 and 8.22-1

Process Rate: Zn - 1025 t/d

Cu - 471 t/d

Pb - 72 t/d

Duration: 24 hr/day, 350 day/yr

Control Method and Efficiency: 3 wet scrubbers - 99.4% with a 90% capture efficiency

Calculation:

Process Rate X Emission Factor X [(1-Efficiency Factor) X (Capture Efficiency)] = Emission Rate

Examaple, TSP

471 t/h X 0.05 kg/t X 0.10 X [1-(.994 X .90)] = 0.25 kg/h

Emitting Device: Wet scrubbers on each of 3 circuits with centrifugal fans

Backfill System - Consists of loading cement into a silo and bin loading and discharge of aggregate.

Emission Factors and Source:

TSP - 0.02 kg/t for loading and unloading of crushed rock, AP-42, Table 8.10-2

TSP - 0.12 kg/t for cement loading AP-42, Table 8.10-2

Process Rate: 150 t/h crushed waste rock loading

150 t/h crushed waste rock unloading

53.9 t/h cement loading

Duration: Cement - 8 hr/day, 5 day/wk, 52 wk/yr

Waste Rock - 24 hr/day, 5 day/wk, 52 wk/yr

Control Method and Efficiency: Cement silo passive filter - 90% efficiency

Waste rock baghouse - 99.6% efficiency

Calculation:

2 X Process Rate X Emission Factor X (1-Efficiency) = Emission Rate

Example, TSP (Waste Rock)

150 t/h X 0.02 kg/t X (1-.996) = 0.02 kg/h

Emitting Device: Passive filter for cement and baghouse for waste rock with centrifugal fan

Concrete Batch Plant During Operation - Typical concrete batching operation.

Emission Factors and Source:

TSP - 0.118 kg/m^3, AP-42, Table 8.10-1

Process Rate: 38.3 m^3 of concrete

Duration: 8 hr/day, 5 day/wk, 52 wk/yr

Control Method and Efficiency: Baghouse for aggregate handling - 99.6%; passive filter on cement silo - overall collection efficiency for "Good Controlled" batch plant is 90%

Calculation:

Process Rate X Emission Factor X (1-Efficiency) = Emission Rate

Example, TSP

10.7 t/d X 0.118 kg/t X (1-.90) = 0.13 kg/h

Emitting Device: Passive filter and baghouse with centrifugal fan

Mine/Mill Surface Facilities Heating - natural gas unit heaters for building heat. Heat content is 1000 btu/ft^3

Emission Factors & Source:

TSP - 10.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6 btu/hr

SO_2 - 0.6 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6 btu/hr

No_x - 120.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6 btu/hr

HC - 8.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6 btu/hr

CO - 20.0 lb/$10^6 ft^3$, NEDS-APP.C-12/75, Nat. Gas 10-100 10^6 btu/hr

Process Rate: 92 X $10^3 ft^3$/hr, 2.19 X $10^6 ft^3$/day, 82.3 X $10^6 ft^3$/yr

Duration: As required by process rate

Control Method and Efficiency: Clean burning natural gas

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

0.092 X $10^6 ft^3$/hr X 10.0 lb/$10^6 ft^3$ = 0.92 lb/hr

Emitting Device: Unit heaters located at various places on buildings

Fuel Transfer & Storage - Transfer and storage of gasoline and diesel fuel (2 - 50,000 gal tanks) with 6,000 gal/day consumption

Emission Factors and Source:

A. $HC - 2 \text{ X } 1b \text{ } (1b/yr) = 2.26 \text{ X } 10^{-2M} \left[\frac{P}{14.7-P} \right]^{0.68}$

$$D^{1.7} \; H^{0.51} \quad T^{0.5} F_p C K_c$$

AP-42, Table 4.3-5

M = 130 (Molecular Weight of Vapor), AP-42, Table 4.3-1

P = 0.0064 psia (vapor pressure @ 60%F), AP-42, Table 4.3-1

D = 26 ft (tank diameter)

H = 6.3 ft (vapor space at 1/2 tank height)

T = 15°F (temperature variation from day to night)

F_P = 1 (paint factor), AP-42, Table 4.3-2

C = 1 (adjustment factor), AP-42, Figure 4.3-10

K_c = 1 AP-42, Table 4.3-6

B. Adjustment for fixed roof working loss

$LW = 2.4 \text{ X } 10^{-2} MPK_h K_c$, AP-42, Table 4.3-8

C. Service station with 2-500 gal buried tanks

Gasoline - Tank emissions, AP-42, Table 4.4-4

1) 0.88 $kg/10^3$ L (filling buried tank) X 1892.5 L/day for 350 day/yr

2) 0.12 $kg/10^3$ L (breathing loss) X 1892.5 L/d for 350 day/yr

3) 1.08 $kg/10^3$ L (dispensing loss) X 1892.5 L/d for 350 day/yr

Diesel - Tank emissions, AP-42, Table 4.3-1, & 4.4-4, a direct proportion with gasoline to diesel use exists for fixed roof tank working loss and is shown below.

$\frac{(0.0064 \text{ v.p.}) \text{ } (130 \text{ mw}) \text{ Diesel}}{(5.2 \text{ v.p.}) \text{ } (66 \text{ mw}) \text{ Gas}} = 0.0024$ multiplier for 1), 2), and 3) above

Control Method and Efficiency: Vapor balance system for fuel loading at the storage facility and service station - 95% efficiency

Calculation:

(Process Rate) X (Emission Factor) X (1-Efficiency) = Emission Rate

Emergency Diesel Generator - For power outages, used only as back-up units, 2 - 2000 kw at 2682 hp and 1 - 800 kw at 1073 hp. Diesel fuel will contain 0.4 weight percent sulfur maximum.

Emission Factors and Source: AP-42, Table 3.3.3-1

TSP - 1.34 g/kwh

SO_2 - 1.25 g/kwh

NO_x -18.8 g/kwh

CO - 4.06 g/kwh

HC - 1.5 g/kwh

Process Rate: 2 X 2000 kw units,
1 X 800 kw unit

Duration: As needed during emergency conditions

Calculation:

Process Rate X Emission Factor = Process Rate

Example, TSP

4000 kw X 1.34 g/kwh = 5360 g/h

Emitting Device: Exhaust stack of diesel engine

Mobile Sources Vehicular Travel - Tailpipe emissions from the use of employee vehicles and equipment on plant property.

Vehicle types include:

1) LDV (Light-duty vehicles-employee)
2) LDGPT (Light-duty, gasoline powered trucks)
3) HDGPT (Heavy-duty, gasoline powered trucks)
4) HDDPV (Heavy-duty, diesel powered vehicles).

Emission Factors and Source: AP-42, Chapter 3

	Employee and Project Vehicles			
	LDV	LDGPT	HDGPT	HDDPV
TSP	0.34 g/mi	0.34 g/mi	0.91 g/mi	1.3 g/mi
SO_2	0.13	0.18	0.36	2.8
NO_x	4.55	5.3	12.5	20.9
CO	36.90	42.8	188.0	28.7
HC	4.78	6.5	19.4	4.6

Process Rate: Employee vehicles - 2000 mi/day (LDV)

Project vehicles - LDGPT - 39 hr/day

HDGPT - 13 hr/day

HDDPV - 103 hroday

Duration: 350 day/year

Control Method and Efficiency - As per EPA vehicle emission controls

Calculation:

Process Rate X Emission Factor X (hr/day X 19.6 mi/hr) = Emission Rate

Example, TSP

34 g/mi X 2000 mi/day = 680 g/d = 1.51 lb/day

Emitting Device: Tailpipes of vehicles.

Locomotive Exhaust Emissions - Diesel locomotive used for switching and spotting railcars. Diesel fuel will contain 0.4 weight percent sulfur maximum.

Emission Factors and Source: NEDS APP.C

TSP - 5.5 lb/hr

SO_2 - 2.1 lb/hr

NO_x -39.7 lb/hr

CO - 5.1 lb/hr

HC - 0.86 lb/hr

Process Rate: 6 hr/day, 2072 hr/yr

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

5.5 lb/hr X 6 hr/day = 33 lb/day

Emitting Device: Exhaust pipe of diesel engine

Fugitive Dust Sources - Total road dust emissions (from section dealing with Project and employee vehicles)

Emission Factors and Source: AP-42, Tables 3.1.4-13 and 11.2.5-1

TSP - 0.012 lb/vehicle-mile (road dust)

TSP - 0.2 g/vehicle-mile (tire wear)

Process Rate: 5308 miles

Duration: 350 day/year

Control Method and Efficiency: Water application to unpaved roads and paving of frequently used roads

Calculation:

Process Rate X Emission Factor = Emission Rate

Example, TSP

0.012 lb/vehicle-mile X 5308 vehicle mile = 63.7 lb/day

Emitting Device: Road and tire surfaces

MWDF CONSTRUCTION AND OPERATIONS

Mobile Sources

A. Equipment Exhaust Emissions

Emission Factors and Source: U.S. EPA - National Air Data Branch (MD-14)

(off-road construction equipment)

E.	Diesel
TSP -	39.35 lb/10^3 gal burned
SO_2 -	31.0 lb/10^3 gal burned
NO_x -	376.2 lb/10^3 gal burned
CO -	112.3 lb/10^3 gal burned
HC -	56.4 lb/10^3gal burned

Diesel fuel will contain 0.4 weight percent sulfur maximum.

	Gasoline
TSP -	1.351 g/vehicle mile
SO_2 -	0.18 g/vehicle mile
NO_x -	3.6 g/vehicle mile
CO -	16.54 g/vehicle mile
HC -	2.65 g/vehicle mile

Process Rate:

Diesel Consumption		
Hourly (Maximum	Daily (Maximum)	Yearly (Average)
500 gal	6500 gal	701,220 gal
Gasoline Equipment Equivalent Mileage		
50 mi(1)	650 mi	70,122 mi

(1) Assumes fuel efficiency of 5 mi/gal

Duration: Construction activities will be conducted 2 shifts/day (6.5 operating hours/shift) 5 days/week, 8 months/year (174 days)

Yearly averages are based on a factor of 62% of maximum rate. This factor is based on a rate of the average number of equipment in use during the year to the maximum number available.

Control Method and Efficiency: None, numbers represent exhaust emissions.

Calculation:

Emission Factor X Process Rate X Unit Conversion = Emission Rate

Example: TSP-Average Annual for Diesel Equipment

$3935\ lb/10^3\ gal \times 701.22 \times 10^3\ gal/yr \times st/2{,}000\ lb$

$= 13.8\ st/yr$

B. Road Dust - Tire Emissions

Emission Factors and Source: AP-42, Section 11.2.1

Emission Factor Calculation:

$$E = (0.81s)\left(\frac{S}{30}\right)\left(\frac{365-W}{365}\right)\left(\frac{T}{4}\right)$$

E = Emission factor in pounds per vehicle mile traveled

s = Silt content of road:6% for native soil, 12% for haul road

S = Average vehicle speed (mph): Assume 20 mph for all equipment

W = Mean annual number of days with 0.01 inch or more of rainfall (135 for Crandon)

T = Number of tires on vehicle: 4 for scrapers and light duty vehicles, 6 for haul trucks

Equipment		Emission Factor
Scraper in native soil	-	1.361 lb/vehicle mile traveled (vmt)
50 ton haul truck on haul road and 12 ton bentonite haulers on haul road	-	4.0833 lb/vmt
12 ton haul truck for bentonite/ soil mixture on native soil	-	2.0416 lb/vmt

Process Rate: miles traveled

1 - Scrapers - pond excavation - native soil - 35,162 mi/yr

2 - 50 ton trucks - waste rock - haul road - 7,915 mi/yr

3 - 12 ton bentonite hauler - haul road - 4,995 mi/yr

4 - 12 ton bentonite/soil haul truck - native soil - 7,575 mi/yr

5 - 12 ton haul to pond on native soil of:
Underdrain - 7,521 mi/yr
Rip-Rap - 9,679 mi/yr
Till Filter - 8,762 mi/yr

Duration: Not applicable

Control Method and Efficiency: 85% of haul road emissions from watering and chemical stabilization if necessary, uncontrolled emissions assumed on native soil

Calculation:

Emission Factor X Miles Traveled X Unit Conversion

= Annual Emissions

Example, Emissions of TSP from Hauling Rip-rap to pond

2,0416 lb/vmt X 9,679 mi/yr X st/2000 lb = 9.88 st/yr

C. Material Loading

Emission Factors and Source: Survey of Fugitive Dust from Coal Mine EPA 908/1-78-003, February 1978.

Operation	Emission Factor
1. Scraper loading (pond excavation)	0.38 lb/yd^3
2. Loading of till, underdrain filter, rip-rap	0.037 lb/st

Process Rate:

1. Pond excavation	-	1,465,104 yd^3/yr
2. Loading of till, underdrain filter and rip-rap	-	139,381 st/yr 519,232 st/yr

Duration: Not applicable

Control Method and Efficiency: Minimize drop distance

Calculation:

Emission Factor X Process Rate X Unit Conversion

= Annual Emissions Rate

Example, till loading with scraper

0.38 lb/yd^3 X 1,465,104 yd^3/yr X st/2000 lb

= 278.37 st/yr

D. Material Dumping

Emission Factors and Source: AP-42, Section 11.2.3

Operation	Emission Factor
1. Waste Rock	0.0275 lb/st
2. Till and bentonite mixture in pond	0.0275 lb/st
3. Underdrain filter material and rip-rap	0.0275 lb/st

Process Rate:

1. Waste rock - 89,300 st/yr
2. Till and bentonite mixture in pond - 151,500 st/yr
3. Underdrain filter material and rip-rap - 519,232 st/yr

Duration: Not applicable

Control Method and Efficiency: Minimize drop distance

Calculation:

Emission Factor X Process Rate X Unit Conversion

= Annual Emission Rate

Example, Waste rock

0.0275 lb/st X 89,300 st/yr X st/2,000 lb = 1.23 st/yr

Stationary Sources

A. Batch Plant

Emission Factors and Source: AP-42, Section 8.10, Concrete Batching

0.21 lb/yd^3 processed

Process Rate: 102,020 yd^3/yr

Duration: Not applicable

Control Method and Efficiency: Enclosed facility with air vented to filters - 90%

Calculation:

Emission Factor X Process Rate X Unit Conversion X Control Factor

= Annual Emission Rate

Example, 0.2 lb/yd^3 X 102,020 yd^3/yr X st/2,000 lb X 0.10

= 1.02 st/yr

B. Processing Plant

Emission Factors and Source: AP-42, Section 8.19, Sand and Gravel Processing

0.1 lb/st processed

Process Rate: 139,380 st/yr

Duration: Not applicable

Control Method and Efficiency: Facility enclosed, air passed through baghouse - 99.6%

Calculation:

Emission Factor X Process Rate X Unit Conversion X Control Factor

= Annual Emission Rate

Example,

0.1 lb/st X 139,380 st/yr X st/2,000 lb X 0.004

= 0.28 st/yr

Windblown Emissions

Emission Factors and Sources:

Emission Factor Calculation

E = aIKCLV: Guide for wind erosion control on cropland in Great Plains States, Craig and Turelle, USDA - SCS, July 1964, in: Evaluation of fugitive dust emissions (PEDCo, 1976)

E = Emission estimate in st/acre/yr

a = Total of wind erosion loses that would be measured as total suspended particulate (assumed 0.010 for pond and storage areas and 0.025 for haul road)

I = Soil erodibility factor (st/acre/yr); = 134 for pond and storage area; = 38 for haul road

K = Surface roughness factor; assumed to be 1.0

C = Climate factor; 0.05 at Crandon

L = Unsheltered field width; 0.7 at Crandon

V = Vegetative cover factor; assume 1.0

Area	Emission Factor
1 - Haul road	0.3325 st/acre/yr
2 - Storage area	0.0469 st/acre/yr
3 - Ponds	0.0469 st/acre/yr

Process Rate: Acreage disturbed

1 - Haul Road	16.12	acres
2 - Storage Area	20.0	acres
3 - Ponds	119.0	acres

Duration: Assume entire pond area disturbed all year

Control Method and Efficiency: Control on haul road and storage area from watering and chemical stabilization, if necessary - 85%

Calculation:

Emission Factor X Process Rate X Control Factor

= Annual Emission Rate

Example, Ponds

0.0469 st/acre/yr X 119 acres X 1 = 5.58 st/yr

APPENDIX C

AIR EMISSION MODELING INPUT AND OUTPUT

TABLE C-1
EMISSION INVENTORY OF THE PROJECT
POINT SOURCE EMISSIONS

NO.	SOURCE	COORDINATES (km) X	COORDINATES (km) Y	STACK HT. (m)	STACK DIA. (m)	EXIT VEL. (m/s)[a]	EXIT TEMP. (°K)[b]	BLDG. HEIGHT	DIMENSIONS (m) LENGTH	DIMENSIONS (m) WIDTH	EMISSION RATE ($g/s/m^2$) TSP	SO_2	NO_x	CO
1	Coarse ore transport to headframe	350.30	5038.12	20.5	0.91	a	b	84	15	15	0.072	--	--	--
2	Coarse ore storage buildings	350.30	5038.21	27.0	0.91	a	b	17	165	42	0.072	--	--	--
3	Surge bins to sec. and tert. crushing and screening	350.04	5038.20	2.4	0.61	a	b	37.5	224	152	0.144	--	--	--
4	Sec. and tert. crushing and screening	350.03	5038.20	40.5	1.19	20.8	b	37.5	224	152	2.280	--	--	--
5	Fine ore crushing transfer tower	349.94	5038.20	10.5	0.79	a	b	37.5	224	152	0.036	--	--	--
6	Zn-Cu-Pb fine ore storage bin loading	350.04	5038.21	36.8	0.70	a	b	37.5	224	152	0.015	--	--	--
7	Cu-Zn fine ore storage bin loading	350.00	5038.21	36.8	0.76	a	b	37.5	224	152	0.013	--	--	--
8	Zn-Cu-Pb fine ore bin unloading	350.03	5038.22	34.0	0.82	a	b	37.5	224	152	0.019	--	--	--
9	Cu-Zn fine ore bin unloading	350.01	5038.21	34.0	0.88	a	b	37.5	224	152	0.014	--	--	--
10	Milk of lime facilities	350.07	5038.24	17.0	0.70	a	b	37.5	224	152	0.057	--	--	--
11	Reagent Mixing area	350.02	5038.29	15.2	0.34	a	b	37.5	224	152	0.021	--	--	--
12	Concentrate handling and shipping	350.03	5038.39	18.0	0.34	a	b	37.5	224	152	0.010	--	--	--
13	Backfill system	350.07	5038.34	38.0	0.24	a	b	37.5	224	152	0.066	--	--	--
14	Waste rock bins and loadout	350.31	5038.27	28.0	0.64	a	b	30.0	25	10	0.033	--	--	--
15	Waste rock crushing plant	350.25	5038.28	34.0	1.04	a	b	33.0	224	152	0.017	--	--	--
16	Concrete batch plant	350.48	5038.15	8.0	0.43	a	b	20.0	50	25	0.012	--	--	--
17	EER Mine Shaft	350.52	5037.91	3.7	6.71	12.35	b	--	--	--	2.390	0.664	1.25	20.04
18	WER Mine Shaft	349.18	5038.08	3.7	6.71	12.35	b	--	--	--	2.390	0.664	1.25	20.04

TABLE C-1 (continued)
AREA SOURCE EMISSIONS

NO.	SOURCE	COORDINATES OF SOUTHWEST CORNER (km) X	Y	EFFECTIVE PLUME HEIGHT (m)	AREA SOURCE SIDE LENGTH (m)	EMISSION RATE ($g/s/m^2$) TSP	SO_2	NO_x	CO
19	Mine/Mill Heating	349.93	5037.98	15.00	400	7.19 E-07	4.72 E-08	3.15 E-06	1.45 E-06
20	MWDF - Area 1	351.73	5036.13	3.05	800	4.56 E-06	1.53 E-06	2.96 E-06	5.52 E-06
21	MWDF - Area 2	351.73	5036.93	3.05	800	4.56 E-06	1.53 E-06	2.96 E-06	5.52 E-06
22	Haul Road - Area 1	350.55	5038.10	3.05	400	5.42 E-08	5.25 E-09	1.67 E-08	4.79 E-07
23	Haul Road - Area 2	350.95	5037.90	3.05	400	5.42 E-08	5.25 E-09	1.67 E-08	4.79 E-07
24	Haul Road - Area 3	351.35	5037.70	3.05	400	5.42 E-08	5.25 E-09	1.67 E-08	4.79 E-07

a - horizontal release, vertical exit velocity = 0.01 m/s
b - ambient temperature, assume 294.3 °K (70°F)

TABLE C-2

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0, 1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG. K); VERT. DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ. DIM TYPE=1, 2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.72000E-01	350304.0	5038117.0	0.0	20.50	294.30	0.01	0.91	84.00	15.00	15.00
2	0	0	0	0.72000E-01	350299.0	5038209.0	0.0	27.00	294.30	0.01	0.91	17.00	165.00	42.00
3	0	0	0	0.14400E+00	350042.0	5038199.0	0.0	2.40	294.30	0.01	0.61	37.50	224.00	152.00
4	0	0	0	0.22800E+01	350027.0	5038204.0	0.0	40.50	294.30	20.80	1.19	37.50	224.00	152.00
5	0	0	0	0.36000E-01	349945.0	5038204.0	0.0	10.50	294.30	0.01	0.79	37.50	224.00	152.00
6	0	0	0	0.15000E-01	350037.0	5038209.0	0.0	36.80	294.30	0.01	0.70	37.50	224.00	152.00
7	0	0	0	0.13000E-01	350001.0	5038209.0	0.0	36.80	294.30	0.01	0.76	37.50	224.00	152.00
8	0	0	0	0.19000E-01	350027.0	5038215.0	0.0	34.00	294.30	0.01	0.82	37.50	224.00	152.00
9	0	0	0	0.14000E-01	350006.0	5038209.0	0.0	34.00	294.30	0.01	0.88	37.50	224.00	152.00
10	0	0	0	0.57000E-01	350073.0	5038245.0	0.0	17.00	294.30	0.01	0.70	37.50	224.00	152.00
11	0	0	0	0.21000E-01	350022.0	5038286.0	0.0	15.20	294.30	0.01	0.34	37.50	224.00	152.00
12	0	0	0	0.10000E-01	350032.0	5038394.0	0.0	18.00	294.30	0.01	0.34	37.50	224.00	152.00
13	0	0	0	0.66000E-01	350073.0	5038338.0	0.0	38.00	294.30	0.01	0.24	37.50	224.00	152.00
14	0	0	0	0.33000E-01	350309.0	5038271.0	0.0	28.00	294.30	0.01	0.64	30.00	25.00	10.00
15	0	0	0	0.17000E-01	350247.0	5038276.0	0.0	34.00	294.30	0.01	1.04	33.00	20.00	20.00
16	0	0	0	0.12000E-01	350478.0	5038153.0	0.0	8.00	294.30	0.01	0.43	20.00	50.00	25.00
17	0	0	0	0.23900E+01	350524.0	5037912.0	0.0	3.70	294.30	12.40	6.71	0.00	0.00	0.00
18	0	0	0	0.23900E+01	349176.0	5038076.0	0.0	3.70	294.30	12.40	6.71	0.00	0.00	0.00
19	2	0	0	0.71900E-06	349929.0	5037984.0	0.0	15.00	0.00	400.00	0.00	0.00	0.00	0.00
20	2	0	0	0.45600E-05	351730.0	5036130.0	0.0	3.05	0.00	800.00	0.00	0.00	0.00	0.00
21	2	0	0	0.45600E-05	351730.0	5036930.0	0.0	3.05	0.00	800.00	0.00	0.00	0.00	0.00
22	2	0	0	0.54200E-07	350550.0	5038100.0	0.0	3.05	0.00	400.00	0.00	0.00	0.00	0.00
23	2	0	0	0.54200E-07	350950.0	5037900.0	0.0	3.05	0.00	400.00	0.00	0.00	0.00	0.00
24	2	0	0	0.54200E-07	351350.0	5037700.0	0.0	3.05	0.00	400.00	0.00	0.00	0.00	0.00

TABLE C-3

* 224-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - TSP

* FROM SOURCES: 1, -24,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	- X -	- Y -	CON.	- X -	- Y -	CON.
348980.0	5039430.0	1.72153	349480.0	5039420.0	1.94775	349980.0	5039410.0	2.16003
350480.0	5039400.0	2.24411	350980.0	5039390.0	2.09486	351480.0	5039380.0	1.98523
351980.0	5039370.0	2.43286	352480.0	5039360.0	2.66590	352930.0	5039350.0	2.25633
352915.0	5038755.0	3.13953	352900.0	5038160.0	4.46234	353300.0	5038140.0	3.25127
353288.0	5037730.0	4.09859	353275.0	5037320.0	5.13829	353262.0	5036910.0	5.50259
353250.0	5036500.0	5.60667	353750.0	5036500.0	3.45176	353750.0	5035700.0	2.65569
352900.0	5035720.0	4.11385	352850.0	5034580.0	1.47302	352065.0	5034605.0	1.21987
351280.0	5034630.0	1.22755	351315.0	5035390.0	2.37076	351350.0	5036150.0	5.43848
350550.0	5036180.0	2.91139	350550.0	5037100.0	4.49768	350960.0	5037000.0	6.10896
351000.0	5037400.0	6.52657	350500.0	5037400.0	4.79916	350250.0	5037520.0	4.29979
350000.0	5037310.0	3.35471	349700.0	5037080.0	2.58294	348900.0	5037020.0	1.68970
348880.0	5036220.0	1.33994	348480.0	5036220.0	1.23165	348500.0	5037020.0	1.52088
348100.0	5037020.0	1.30128	348050.0	5036240.0	1.06478	347690.0	5036250.0	0.95634
347710.0	5037260.0	1.21264	347730.0	5038270.0	1.39921	348130.0	5038080.0	1.61658
348130.0	5037830.0	1.51677	348930.0	5037800.0	2.11721	348940.0	5038200.0	2.20483
348950.0	5038600.0	2.47666	349360.0	5038580.0	3.17610	349360.0	5039000.0	2.39339
348950.0	5039000.0	1.99586	346890.0	5038500.0	1.07924	355385.0	5040500.0	0.75988
354155.0	5034430.0	1.35736	348480.0	5039930.0	1.25333	349230.0	5039925.0	1.47995
350230.0	5039905.0	1.81065	351230.0	5039885.0	1.67313	352230.0	5039865.0	2.08528
353430.0	5039850.0	1.51920	353422.0	5039052.0	2.10258	353407.0	5038458.0	2.59222
353794.0	5037935.0	2.54262	353781.0	5037525.0	3.01196	353768.0	5037115.0	3.37306
354250.0	5036100.0	2.28194	353375.0	5035150.0	2.21988	353350.0	5034080.0	1.14627
352458.0	5034092.0	1.04033	351672.0	5034117.0	0.84072	350780.0	5034630.0	1.24253
350950.0	5035665.0	2.72366	349900.0	5035680.0	1.66502	348880.0	5035720.0	1.16178
348050.0	5035740.0	0.97843	349900.0	5036680.0	2.49666	347200.0	5036755.0	0.94291
347220.0	5037765.0	1.08552	347730.0	5038770.0	1.43640	348480.0	5038430.0	1.90959
348480.0	5038930.0	1.89346	348480.0	5039430.0	1.51498			

TABLE C-4

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - TSP
* FROM SOURCES: 1, -24,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
348980.0	5039430.0	10.69954	(121, 1)	349480.0	5039420.0	9.31650	(121, 1)
349980.0	5039410.0	11.21317	(209, 1)	350480.0	5039400.0	8.60572	(217, 1)
350980.0	5039390.0	9.98817	(283, 1)	351480.0	5039380.0	10.51917	(111, 1)
351980.0	5039370.0	11.61187	(159, 1)	352480.0	5039360.0	14.21446	(118, 1)
352930.0	5039350.0	14.00473	(212, 1)	352915.0	5038755.0	15.53281	(159, 1)
352900.0	5038160.0	25.61612	(60, 1)	353300.0	5038140.0	19.42539	(143, 1)
353288.0	5037730.0	20.07008	(129, 1)	353275.0	5037320.0	23.58534	(114, 1)
353262.0	5036910.0	26.68573	(78, 1)	353250.0	5036500.0	27.03321	(114, 1)
353750.0	5036500.0	20.46765	(114, 1)	353750.0	5035700.0	15.14151	(114, 1)
352900.0	5035720.0	22.14179	(229, 1)	352850.0	5034580.0	10.84541	(270, 1)
352065.0	5034605.0	11.41828	(87, 1)	351280.0	5034630.0	8.93056	(238, 1)
351315.0	5035390.0	18.69584	(239, 1)	351350.0	5036150.0	35.68419	(230, 1)
350550.0	5036180.0	19.59054	(200, 1)	350550.0	5037100.0	23.37117	(239, 1)
350960.0	5037000.0	29.91024	(230, 1)	351000.0	5037400.0	32.56329	(179, 1)
350500.0	5037400.0	25.40339	(240, 1)	350250.0	5037520.0	19.58293	(179, 1)
350000.0	5037310.0	16.50253	(179, 1)	349700.0	5037080.0	15.84686	(228, 1)
348900.0	5037020.0	11.74850	(228, 1)	348880.0	5036220.0	10.41328	(288, 1)
348480.0	5036220.0	8.96714	(239, 1)	348500.0	5037020.0	9.96585	(201, 1)
348100.0	5037020.0	10.46372	(201, 1)	348050.0	5036240.0	8.16506	(288, 1)
347690.0	5036250.0	7.94958	(288, 1)	347710.0	5037260.0	7.88527	(199, 1)
347730.0	5038270.0	7.96424	(124, 1)	348130.0	5038080.0	10.44851	(239, 1)
348130.0	5037830.0	9.25539	(288, 1)	348930.0	5037800.0	11.19972	(121, 1)
348940.0	5038200.0	12.62538	(199, 1)	348950.0	5038600.0	17.98231	(179, 1)
349360.0	5038580.0	21.66146	(179, 1)	349360.0	5039000.0	14.87993	(240, 1)
348950.0	5039000.0	14.23012	(240, 1)	346890.0	5038500.0	6.70440	(124, 1)
355385.0	5040500.0	7.21088	(180, 1)	354155.0	5034430.0	9.04609	(119, 1)
348480.0	5039930.0	6.96798	(209, 1)	349230.0	5039925.0	7.74138	(209, 1)
350230.0	5039905.0	7.66092	(179, 1)	351230.0	5039885.0	8.85613	(111, 1)
352230.0	5039865.0	10.44355	(83, 1)	353430.0	5039850.0	9.12503	(60, 1)
353422.0	5039052.0	11.41206	(159, 1)	353407.0	5038458.0	17.29974	(180, 1)
353794.0	5037935.0	14.87509	(129, 1)	353781.0	5037525.0	16.53128	(126, 1)
353768.0	5037115.0	18.44113	(114, 1)	354250.0	5036100.0	15.61273	(114, 1)
353375.0	5035150.0	13.88426	(110, 1)	353350.0	5034080.0	7.67683	(273, 1)
352458.0	5034092.0	11.23990	(87, 1)	351672.0	5034117.0	7.81183	(61, 1)
350780.0	5034630.0	10.64652	(251, 1)	350950.0	5035665.0	18.56190	(251, 1)
349900.0	5035680.0	15.00289	(200, 1)	348880.0	5035720.0	7.80643	(80, 1)
348050.0	5035740.0	6.98980	(228, 1)	349900.0	5036680.0	14.59294	(239, 1)
347200.0	5036755.0	8.65254	(239, 1)	347220.0	5037765.0	7.52529	(196, 1)

TABLE C-5

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - TSP
* FROM SOURCES: 1, -19, (STATIONARY ONLY)
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
348980.0	5039430.0	5.62532	(209, 1)	349480.0	5039420.0	6.71314	(283, 1)
349980.0	5039410.0	7.10818	(83, 1)	350480.0	5039400.0	7.04476	(212, 1)
350980.0	5039390.0	8.43867	(143, 1)	351480.0	5039380.0	6.28872	(217, 1)
351980.0	5039370.0	6.91983	(180, 1)	352480.0	5039360.0	4.63301	(129, 1)
352930.0	5039350.0	4.04766	(232, 1)	352915.0	5038755.0	4.98954	(232, 1)
352900.0	5038160.0	6.12851	(77, 1)	353300.0	5038140.0	5.40507	(77, 1)
353288.0	5037730.0	4.08768	(77, 1)	353275.0	5037320.0	3.87743	(114, 1)
353262.0	5036910.0	3.96677	(102, 1)	353250.0	5036500.0	3.46916	(109, 1)
353750.0	5036500.0	3.46458	(102, 1)	353750.0	5035700.0	1.90930	(102, 1)
352900.0	5035720.0	3.25989	(122, 1)	352850.0	5034580.0	2.55412	(76, 1)
352065.0	5034605.0	2.48080	(76, 1)	351280.0	5034630.0	2.28819	(270, 1)
351315.0	5035390.0	2.84657	(151, 1)	351350.0	5036150.0	4.00818	(110, 1)
350550.0	5036180.0	4.18515	(179, 1)	350550.0	5037100.0	7.37520	(114, 1)
350960.0	5037000.0	6.81788	(231, 1)	351000.0	5037400.0	9.28870	(122, 1)
350500.0	5037400.0	10.95027	(164, 1)	350250.0	5037520.0	10.69135	(151, 1)
350000.0	5037310.0	7.35536	(164, 1)	349700.0	5037080.0	7.77395	(238, 1)
348900.0	5037020.0	5.68590	(201, 1)	348880.0	5036220.0	4.10922	(205, 1)
348480.0	5036220.0	3.95861	(202, 1)	348500.0	5037020.0	7.54848	(201, 1)
348100.0	5037020.0	8.35737	(201, 1)	348050.0	5036240.0	5.05452	(201, 1)
347690.0	5036250.0	5.59546	(201, 1)	347710.0	5037260.0	6.11320	(201, 1)
347730.0	5038270.0	5.79480	(199, 1)	348130.0	5038080.0	7.89286	(199, 1)
348130.0	5037830.0	7.39345	(236, 1)	348930.0	5037800.0	8.94718	(80, 1)
348940.0	5038200.0	8.25715	(199, 1)	348950.0	5038600.0	9.03971	(104, 1)
349360.0	5038580.0	14.95710	(121, 1)	349360.0	5039000.0	7.92563	(209, 1)
348950.0	5039000.0	7.35826	(187, 1)	346890.0	5038500.0	4.19441	(239, 1)
355385.0	5040500.0	2.93985	(129, 1)	354155.0	5034430.0	2.36319	(122, 1)
348480.0	5039930.0	4.72587	(209, 1)	349230.0	5039925.0	6.43192	(206, 1)
350230.0	5039905.0	6.93561	(297, 1)	351230.0	5039885.0	5.72867	(143, 1)
352230.0	5039865.0	6.13072	(217, 1)	353430.0	5039850.0	4.06248	(129, 1)
353422.0	5039052.0	5.09562	(232, 1)	353407.0	5038458.0	4.29005	(231, 1)
353794.0	5037935.0	4.74613	(77, 1)	353781.0	5037525.0	3.71728	(194, 1)
353768.0	5037115.0	3.52057	(114, 1)	354250.0	5036100.0	3.01113	(109, 1)
353375.0	5035150.0	2.73901	(122, 1)	353350.0	5034080.0	2.17750	(76, 1)
352458.0	5034092.0	2.41338	(76, 1)	351672.0	5034117.0	2.05918	(270, 1)
350780.0	5034630.0	2.87256	(270, 1)	350950.0	5035665.0	3.23814	(151, 1)
349900.0	5035680.0	3.20101	(238, 1)	348880.0	5035720.0	3.59999	(204, 1)
348050.0	5035740.0	3.19285	(165, 1)	349900.0	5036680.0	6.79353	(165, 1)
347200.0	5036755.0	7.21125	(201, 1)	347220.0	5037765.0	6.19582	(196, 1)

TABLE C-6

* 365-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2

* FROM SOURCES: 17, -24,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	- X -	- Y -	CON.	- X -	- Y -	CON.
349750.0	5038680.0	0.83749	350000.0	5038680.0	0.90866	350250.0	5038680.0	0.95301
350500.0	5038680.0	0.97629	350750.0	5038680.0	1.02752	349750.0	5038430.0	0.95445
350000.0	5038430.0	0.99650	350250.0	5038430.0	1.11409	350500.0	5038430.0	1.19434
350750.0	5038430.0	1.22630	349750.0	5038180.0	1.09276	350000.0	5038180.0	1.14601
350250.0	5038180.0	1.25149	350500.0	5038180.0	1.42571	350750.0	5038180.0	1.58052
349750.0	5037930.0	1.13142	350000.0	5037930.0	1.25778	350250.0	5037930.0	1.41537
350500.0	5037930.0	1.62911	350750.0	5037930.0	1.91117	350345.0	5038107.0	1.35585
350288.0	5038020.0	1.38933	351350.0	5036650.0	3.82217	351150.0	5037650.0	3.10492
352400.0	5038000.0	2.94137	352850.0	5037150.0	3.08978	352950.0	5036350.0	2.08815
352750.0	5035900.0	1.47969	348980.0	5039430.0	0.53834	349480.0	5039420.0	0.59761
349980.0	5039410.0	0.59952	350480.0	5039400.0	0.61427	350980.0	5039390.0	0.58998
351480.0	5039380.0	0.57781	351980.0	5039370.0	0.83224	352480.0	5039360.0	0.80047
352930.0	5039350.0	0.61652	352915.0	5038755.0	0.89297	352900.0	5038160.0	1.42091
353300.0	5038140.0	1.08038	353288.0	5037730.0	1.34163	353275.0	5037320.0	1.64542
353262.0	5036910.0	1.66835	353250.0	5036500.0	1.62492	353750.0	5036500.0	0.95939
353750.0	5035700.0	0.69870	352900.0	5035720.0	1.03595	352850.0	5034580.0	0.34981
352065.0	5034605.0	0.37800	351280.0	5034630.0	0.39666	351315.0	5035390.0	0.74507
351350.0	5036150.0	2.04587	350550.0	5036180.0	1.06668	350550.0	5037100.0	1.89529
350960.0	5037000.0	2.70731	351000.0	5037400.0	2.87406	350500.0	5037400.0	1.94086
350250.0	5037520.0	1.59199	350000.0	5037310.0	1.36034	349700.0	5037080.0	1.09628
348900.0	5037020.0	0.72260	348880.0	5036220.0	0.48244	348480.0	5036220.0	0.43545
348500.0	5037020.0	0.61353	348100.0	5037020.0	0.53064	348050.0	5036240.0	0.38582
347690.0	5036250.0	0.34683	347710.0	5037260.0	0.51220	347730.0	5038270.0	0.54927
348130.0	5038080.0	0.61871	348130.0	5037830.0	0.62399	348930.0	5037800.0	0.78219
348940.0	5038200.0	0.77368	348950.0	5038600.0	0.68939	349360.0	5038580.0	0.79880
349360.0	5039000.0	0.66083	348950.0	5039000.0	0.61260	346890.0	5038500.0	0.44147
355385.0	5040500.0	0.23351	354155.0	5034430.0	0.31998	348480.0	5039930.0	0.43036
349230.0	5039925.0	0.46408	350230.0	5039905.0	0.46130	351230.0	5039885.0	0.43020
352230.0	5039865.0	0.70485	353430.0	5039850.0	0.41747	353422.0	5039052.0	0.61804
353407.0	5038458.0	0.83603	353794.0	5037935.0	0.80856	353781.0	5037525.0	0.94985
353768.0	5037115.0	1.00969	354250.0	5036100.0	0.62750	353375.0	5035150.0	0.53283
353350.0	5034080.0	0.25591	352458.0	5034092.0	0.27527	351672.0	5034117.0	0.28671
350780.0	5034630.0	0.37442	350950.0	5035665.0	0.85325	349900.0	5035680.0	0.52663
348880.0	5035720.0	0.36031	348050.0	5035740.0	0.29377	349900.0	5036680.0	1.03244
347200.0	5036755.0	0.37484	347220.0	5037765.0	0.46280	347730.0	5038770.0	0.49633
348480.0	5038430.0	0.65026	348480.0	5038930.0	0.55842	348480.0	5039430.0	0.48712

TABLE C-7

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2
* FROM SOURCES: 17, -24,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
349750.0	5038680.0	14.87353	(325, 1)	350000.0	5038680.0	14.28794	(325, 1)
350250.0	5038680.0	14.14652	(325, 1)	350500.0	5038680.0	16.57863	(364, 1)
350750.0	5038680.0	18.96125	(364, 1)	349750.0	5038430.0	15.36692	(320, 1)
350000.0	5038430.0	15.88093	(320, 1)	350250.0	5038430.0	16.92409	(325, 1)
350500.0	5038430.0	17.11550	(325, 1)	350750.0	5038430.0	19.70260	(364, 1)
349750.0	5038180.0	19.18190	(325, 1)	350000.0	5038180.0	21.73411	(325, 1)
350250.0	5038180.0	20.18756	(336, 1)	350500.0	5038180.0	21.58764	(325, 1)
350750.0	5038180.0	21.44069	(325, 1)	349750.0	5037930.0	16.59822	(325, 1)
350000.0	5037930.0	19.43570	(325, 1)	350250.0	5037930.0	23.74187	(325, 1)
350500.0	5037930.0	28.58750	(325, 1)	350750.0	5037930.0	28.54321	(325, 1)
350345.0	5038107.0	23.99970	(336, 1)	350288.0	5038020.0	25.46239	(325, 1)
351350.0	5036650.0	39.17946	(239, 1)	351150.0	5037650.0	38.41493	(325, 1)
352400.0	5038000.0	27.26476	(66, 1)	352850.0	5037150.0	14.53114	(59, 1)
352950.0	5036350.0	12.51630	(273, 1)	352750.0	5035900.0	11.33171	(273, 1)
348980.0	5039430.0	9.07685	(325, 1)	349480.0	5039420.0	8.02775	(364, 1)
349980.0	5039410.0	12.59770	(364, 1)	350480.0	5039400.0	7.94211	(121, 1)
350980.0	5039390.0	6.19353	(324, 1)	351480.0	5039380.0	4.44975	(283, 1)
351980.0	5039370.0	15.75183	(65, 1)	352480.0	5039360.0	6.46980	(315, 1)
352930.0	5039350.0	5.46779	(55, 1)	352915.0	5038755.0	9.64796	(12, 1)
352900.0	5038160.0	14.25423	(12, 1)	353300.0	5038140.0	9.77828	(66, 1)
353288.0	5037730.0	9.92779	(330, 1)	353275.0	5037320.0	10.49202	(239, 1)
353262.0	5036910.0	9.21341	(239, 1)	353250.0	5036500.0	13.71834	(240, 1)
353750.0	5036500.0	7.31810	(114, 1)	353750.0	5035700.0	5.97316	(239, 1)
352900.0	5035720.0	8.55908	(273, 1)	352850.0	5034580.0	3.62350	(270, 1)
352065.0	5034605.0	4.06990	(309, 1)	351280.0	5034630.0	4.81470	(346, 1)
351315.0	5035390.0	7.45420	(239, 1)	351350.0	5036150.0	24.94666	(310, 1)
350550.0	5036180.0	12.49508	(180, 1)	350550.0	5037100.0	24.74467	(239, 1)
350960.0	5037000.0	30.82973	(326, 1)	351000.0	5037400.0	37.77145	(336, 1)
350500.0	5037400.0	24.62181	(326, 1)	350250.0	5037520.0	22.07783	(326, 1)
350000.0	5037310.0	20.17303	(239, 1)	349700.0	5037080.0	18.70674	(239, 1)
348900.0	5037020.0	16.44084	(239, 1)	348880.0	5036220.0	5.26394	(326, 1)
348480.0	5036220.0	4.83717	(326, 1)	348500.0	5037020.0	15.40303	(326, 1)
348100.0	5037020.0	13.67485	(326, 1)	348050.0	5036240.0	4.60757	(326, 1)
347690.0	5036250.0	4.41510	(326, 1)	347710.0	5037260.0	14.07594	(326, 1)
347730.0	5038270.0	8.09424	(326, 1)	348130.0	5038080.0	10.15947	(326, 1)
348130.0	5037830.0	12.44273	(326, 1)	348930.0	5037800.0	13.40302	(326, 1)
348940.0	5038200.0	12.13250	(325, 1)	348950.0	5038600.0	13.68488	(325, 1)
349360.0	5038580.0	14.47068	(320, 1)	349360.0	5039000.0	12.31229	(325, 1)

TABLE C-8

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2
* FROM SOURCES: 17, -24,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
349750.0	5038680.0	87.92886	(320, 3)	350000.0	5038680.0	53.08103	(325, 7)
350250.0	5038680.0	53.80956	(325, 7)	350500.0	5038680.0	51.73721	(121, 1)
350750.0	5038680.0	62.59348	(179, 3)	349750.0	5038430.0	114.87475	(336, 7)
350000.0	5038430.0	119.84618	(336, 7)	350250.0	5038430.0	128.60370	(320, 3)
350500.0	5038430.0	80.33592	(320, 3)	350750.0	5038430.0	68.87771	(121, 1)
349750.0	5038180.0	111.61302	(336, 7)	350000.0	5038180.0	119.20287	(336, 7)
350250.0	5038180.0	123.69998	(336, 7)	350500.0	5038180.0	143.30989	(320, 3)
350750.0	5038180.0	152.77405	(320, 3)	349750.0	5037930.0	79.97024	(336, 6)
350000.0	5037930.0	116.97903	(336, 7)	350250.0	5037930.0	127.25018	(336, 7)
350500.0	5037930.0	132.66069	(336, 7)	350750.0	5037930.0	158.18240	(320, 3)
350345.0	5038107.0	126.64160	(336, 7)	350288.0	5038020.0	126.49698	(336, 7)
351350.0	5036650.0	225.59636	(336, 7)	351150.0	5037650.0	214.60336	(239, 8)
352400.0	5038000.0	58.92871	(64, 3)	352850.0	5037150.0	72.61436	(239, 7)
352950.0	5036350.0	70.42551	(240, 3)	352750.0	5035900.0	67.22027	(240, 2)
348980.0	5039430.0	39.03555	(325, 7)	349480.0	5039420.0	24.55568	(325, 7)
349980.0	5039410.0	32.13416	(364, 7)	350480.0	5039400.0	48.78641	(336, 7)
350980.0	5039390.0	26.66544	(221, 2)	351480.0	5039380.0	22.02581	(283, 1)
351980.0	5039370.0	37.78435	(64, 4)	352480.0	5039360.0	32.29122	(22, 6)
352930.0	5039350.0	25.56374	(221, 7)	352915.0	5038755.0	28.93012	(159, 3)
352900.0	5038160.0	33.64060	(103, 2)	353300.0	5038140.0	29.23129	(12, 4)
353288.0	5037730.0	32.53279	(231, 2)	353275.0	5037320.0	57.10260	(59, 3)
353262.0	5036910.0	58.31567	(239, 7)	353250.0	5036500.0	71.04257	(87, 6)
353750.0	5036500.0	45.20765	(240, 3)	353750.0	5035700.0	44.65601	(240, 2)
352900.0	5035720.0	46.93384	(320, 4)	352850.0	5034580.0	22.96325	(345, 3)
352065.0	5034605.0	20.97662	(87, 2)	351280.0	5034630.0	22.35990	(251, 2)
351315.0	5035390.0	29.31144	(239, 8)	351350.0	5036150.0	185.98546	(310, 8)
350550.0	5036180.0	69.71304	(180, 8)	350550.0	5037100.0	157.36211	(320, 3)
350960.0	5037000.0	180.72856	(320, 3)	351000.0	5037400.0	199.96719	(239, 8)
350500.0	5037400.0	154.07674	(320, 3)	350250.0	5037520.0	156.69873	(239, 8)
350000.0	5037310.0	134.69202	(320, 3)	349700.0	5037080.0	121.76660	(320, 3)
348900.0	5037020.0	68.66129	(336, 6)	348880.0	5036220.0	34.31438	(326, 1)
348480.0	5036220.0	31.96414	(326, 1)	348500.0	5037020.0	61.91453	(336, 6)
348100.0	5037020.0	52.42726	(336, 6)	348050.0	5036240.0	30.45605	(326, 1)
347690.0	5036250.0	29.28643	(326, 1)	347710.0	5037260.0	57.47342	(336, 6)
347730.0	5038270.0	58.79162	(336, 6)	348130.0	5038080.0	63.86052	(336, 6)
348130.0	5037830.0	75.97053	(336, 6)	348930.0	5037800.0	74.73338	(336, 6)
348940.0	5038200.0	65.76900	(336, 6)	348950.0	5038600.0	51.80610	(325, 7)
349360.0	5038580.0	106.67763	(336, 7)	349360.0	5039000.0	49.45304	(325, 7)

TABLE C-9

** ANNUAL GROUND LEVEL CONCENTRATION (MICROGRAMS PER CUBIC METER) - NO_x FROM COMBINED SOURCES 17, -24.

- DISCRETE RECEPTORS -

X DISTANCE (METERS)	Y DISTANCE (METERS)	CONCENTRATION	X DISTANCE (METERS)	Y DISTANCE (METERS)	CONCENTRATION	X DISTANCE (METERS)	Y DISTANCE (METERS)	CONCENTRATION
349750.0	5038680.0	2.317174	350000.0	5038680.0	2.629373	350250.0	5038680.0	2.585985
350500.0	5038680.0	2.408870	350750.0	5038680.0	2.227766	349750.0	5038430.0	3.109554
350000.0	5038430.0	1.435195	350250.0	5038430.0	1.575037	350500.0	5038430.0	3.139940
350750.0	5038430.0	2.630373	349750.0	5038180.0	3.590543	350000.0	5038180.0	1.603227
350250.0	5038180.0	1.772606	350500.0	5038180.0	3.632977	350750.0	5038180.0	3.041905
349750.0	5037930.0	3.027539	350000.0	5037930.0	1.774266	350250.0	5037930.0	1.964787
350500.0	5037930.0	3.453440	350750.0	5037930.0	3.359721	350345.0	5038107.0	1.924704
350288.0	5038020.0	1.939889	351350.0	5036650.0	5.925826	351150.0	5037650.0	4.562352
352400.0	5038000.0	5.176790	352850.0	5037150.0	5.128855	352950.0	5036350.0	3.387847
352750.0	5035900.0	2.624725	348980.0	5039430.0	1.111240	349480.0	5039420.0	1.206675
349980.0	5039410.0	1.339007	350480.0	5039400.0	1.436764	350980.0	5039390.0	1.434409
351480.0	5039380.0	1.459055	351980.0	5039370.0	1.518068	352480.0	5039360.0	1.427005
352930.0	5039350.0	1.254801	352915.0	5038755.0	1.717446	352900.0	5038160.0	2.762753
353300.0	5038140.0	1.965841	353288.0	5037730.0	2.450507	353275.0	5037320.0	2.822994
353262.0	5036910.0	2.808331	353250.0	5036500.0	2.565258	353750.0	5036500.0	1.694077
353750.0	5035700.0	1.075123	352900.0	5035720.0	1.844741	352850.0	5034580.0	0.675367
352065.0	5034605.0	0.798864	351280.0	5034630.0	0.780798	351315.0	5035390.0	1.438980
351350.0	5036150.0	3.836393	350550.0	5036180.0	2.114884	350550.0	5037100.0	3.132407
350960.0	5037000.0	4.151508	351000.0	5037400.0	4.292438	350500.0	5037400.0	3.130783
350250.0	5037520.0	2.756359	350000.0	5037310.0	2.393514	349700.0	5037080.0	1.970297
348900.0	5037020.0	1.365832	348880.0	5036220.0	1.101114	348480.0	5036220.0	0.966277
348500.0	5037020.0	1.152410	348100.0	5037020.0	1.044636	348050.0	5036240.0	0.862995
347690.0	5036250.0	0.779845	347710.0	5037260.0	1.015068	347730.0	5038270.0	1.108508
348130.0	5038080.0	1.274071	348130.0	5037830.0	1.210523	348930.0	5037800.0	1.609812
348940.0	5038200.0	1.668397	348950.0	5038600.0	1.539806	349360.0	5038580.0	1.900177
349360.0	5039000.0	1.476880	348950.0	5039000.0	1.299932	346890.0	5038500.0	0.846807
355385.0	5040500.0	0.430858	354155.0	5034430.0	0.481705	348480.0	5039930.0	0.812680
349230.0	5039925.0	0.981407	350230.0	5039905.0	1.090248	351230.0	5039885.0	1.113504
352230.0	5039865.0	1.201286	353430.0	5039850.0	0.874042	353422.0	5039052.0	1.151602
353407.0	5038458.0	1.563368	353794.0	5037935.0	1.524001	353781.0	5037525.0	1.707744
353768.0	5037115.0	1.811908	354250.0	5036100.0	1.053041	353375.0	5035150.0	0.876014
353350.0	5034080.0	0.475262	352458.0	5034092.0	0.554185	351672.0	5034117.0	0.593112
350780.0	5034630.0	0.719996	350950.0	5035665.0	1.651666	349900.0	5035680.0	1.143569
348880.0	5035720.0	0.881266	348050.0	5035740.0	0.712719	349900.0	5036680.0	1.949303
347200.0	5036755.0	0.805898	347220.0	5037765.0	0.943021	347730.0	5038770.0	0.968845
348480.0	5038430.0	1.310158	348480.0	5038930.0	1.176372	348480.0	5039430.0	0.933809

TABLE C-10

* 365-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2

* FROM SOURCES: 17, -19,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	- X -	- Y -	CON.	- X -	- Y -	CON.
349750.0	5038680.0	0.07369	350000.0	5038680.0	0.07533	350250.0	5038680.0	0.06[illegible]
350500.0	5038680.0	0.05947	350750.0	5038680.0	0.06255	349750.0	5038430.0	0.07[illegible]
350000.0	5038430.0	0.05055	350250.0	5038430.0	0.04924	350500.0	5038430.0	0.05[illegible]
350750.0	5038430.0	0.05810	349750.0	5038180.0	0.09346	350000.0	5038180.0	0.04[illegible]
350250.0	5038180.0	0.04001	350500.0	5038180.0	0.05131	350750.0	5038180.0	0.04973
349750.0	5037930.0	0.07573	350000.0	5037930.0	0.05118	350250.0	5037930.0	0.03255
350500.0	5037930.0	0.04333	350750.0	5037930.0	0.04343	350345.0	5038107.0	0.03001
350288.0	5038020.0	0.02973	351350.0	5036650.0	0.06094	351150.0	5037650.0	0.05441
352400.0	5038000.0	0.03850	352850.0	5037150.0	0.03686	352950.0	5036350.0	0.03466
352750.0	5035900.0	0.03875	348980.0	5039430.0	0.06351	349480.0	5039420.0	0.07958
349980.0	5039410.0	0.06212	350480.0	5039400.0	0.06859	350980.0	5039390.0	0.06648
351480.0	5039380.0	0.04555	351980.0	5039370.0	0.04253	352480.0	5039360.0	0.03855
352930.0	5039350.0	0.03169	352915.0	5038755.0	0.03482	352900.0	5038160.0	0.03558
353300.0	5038140.0	0.03383	353288.0	5037730.0	0.03683	353275.0	5037320.0	0.03280
353262.0	5036910.0	0.03529	353250.0	5036500.0	0.03398	353750.0	5036500.0	0.03270
353750.0	5035700.0	0.02808	352900.0	5035720.0	0.03724	352850.0	5034580.0	0.03451
352065.0	5034605.0	0.03464	351280.0	5034630.0	0.03102	351315.0	5035390.0	0.04655
351350.0	5036150.0	0.05539	350550.0	5036180.0	0.06051	350550.0	5037100.0	0.08927
350960.0	5037000.0	0.07736	351000.0	5037400.0	0.08066	350500.0	5037400.0	0.09640
350250.0	5037520.0	0.05167	350000.0	5037310.0	0.06773	349700.0	5037080.0	0.07470
348900.0	5037020.0	0.06273	348880.0	5036220.0	0.04036	348480.0	5036220.0	0.05154
348500.0	5037020.0	0.05619	348100.0	5037020.0	0.05113	348050.0	5036240.0	0.04802
347690.0	5036250.0	0.04042	347710.0	5037260.0	0.05325	347730.0	5038270.0	0.06330
348130.0	5038080.0	0.06512	348130.0	5037830.0	0.06447	348930.0	5037800.0	0.03997
348940.0	5038200.0	0.05013	348950.0	5038600.0	0.06663	349360.0	5038580.0	0.07049
349360.0	5039000.0	0.07497	348950.0	5039000.0	0.06642	346890.0	5038500.0	0.05458
355385.0	5040500.0	0.02343	354155.0	5034430.0	0.02840	348480.0	5039930.0	0.05307
349230.0	5039925.0	0.07145	350230.0	5039905.0	0.06474	351230.0	5039885.0	0.05993
352230.0	5039865.0	0.04397	353430.0	5039850.0	0.03162	353422.0	5039052.0	0.03263
353407.0	5038458.0	0.03474	353794.0	5037935.0	0.03211	353781.0	5037525.0	0.03499
353768.0	5037115.0	0.02885	354250.0	5036100.0	0.02854	353375.0	5035150.0	0.03346
353350.0	5034080.0	0.03121	352458.0	5034092.0	0.02993	351672.0	5034117.0	0.02850
350780.0	5034630.0	0.03086	350950.0	5035665.0	0.04885	349900.0	5035680.0	0.04418
348880.0	5035720.0	0.03358	348050.0	5035740.0	0.04351	349900.0	5036680.0	0.07246
347200.0	5036755.0	0.04844	347220.0	5037765.0	0.05747	347730.0	5038770.0	0.05984
348480.0	5038430.0	0.06606	348480.0	5038930.0	0.06815	348480.0	5039430.0	0.06666

TABLE C-11

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2
* FROM SOURCES: 17, -19,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
349750.0	5038680.0	0.87045	(187, 1)	350000.0	5038680.0	0.76900	(220, 1)
350250.0	5038680.0	0.71715	(178, 1)	350500.0	5038680.0	0.75044	(162, 1)
350750.0	5038680.0	0.86538	(206, 1)	349750.0	5038430.0	0.88495	(219, 1)
350000.0	5038430.0	1.17314	(249, 1)	350250.0	5038430.0	1.03382	(220, 1)
350500.0	5038430.0	0.58857	(284, 1)	350750.0	5038430.0	0.66184	(269, 1)
349750.0	5038180.0	0.74056	(241, 1)	350000.0	5038180.0	0.59635	(195, 1)
350250.0	5038180.0	0.93739	(195, 1)	350500.0	5038180.0	0.45369	(167, 1)
350750.0	5038180.0	0.91114	(303, 1)	349750.0	5037930.0	1.12493	(172, 1)
350000.0	5037930.0	0.98354	(241, 1)	350250.0	5037930.0	0.42656	(172, 1)
350500.0	5037930.0	0.32056	(298, 1)	350750.0	5037930.0	0.48749	(245, 1)
350345.0	5038107.0	0.49431	(225, 1)	350288.0	5038020.0	0.56950	(225, 1)
351350.0	5036650.0	0.58265	(76, 1)	351150.0	5037650.0	0.60495	(267, 1)
352400.0	5038000.0	0.47462	(211, 1)	352850.0	5037150.0	0.39492	(159, 1)
352950.0	5036350.0	0.36260	(264, 1)	352750.0	5035900.0	0.39595	(151, 1)
348980.0	5039430.0	1.00581	(162, 1)	349480.0	5039420.0	1.20997	(206, 1)
349980.0	5039410.0	0.85610	(145, 1)	350480.0	5039400.0	0.92524	(212, 1)
350980.0	5039390.0	0.91857	(266, 1)	351480.0	5039380.0	0.71140	(145, 1)
351980.0	5039370.0	0.90780	(249, 1)	352480.0	5039360.0	0.75743	(180, 1)
352930.0	5039350.0	0.48273	(129, 1)	352915.0	5038755.0	0.39195	(247, 1)
352900.0	5038160.0	0.45070	(271, 1)	353300.0	5038140.0	0.46206	(304, 1)
353288.0	5037730.0	0.35129	(204, 1)	353275.0	5037320.0	0.42651	(216, 1)
353262.0	5036910.0	0.41691	(102, 1)	353250.0	5036500.0	0.32372	(128, 1)
353750.0	5036500.0	0.34828	(216, 1)	353750.0	5035700.0	0.31308	(264, 1)
352900.0	5035720.0	0.39233	(151, 1)	352850.0	5034580.0	0.36268	(113, 1)
352065.0	5034605.0	0.37294	(76, 1)	351280.0	5034630.0	0.33715	(151, 1)
351315.0	5035390.0	0.44386	(127, 1)	351350.0	5036150.0	0.54417	(231, 1)
350550.0	5036180.0	0.53096	(109, 1)	350550.0	5037100.0	1.55697	(188, 1)
350960.0	5037000.0	0.87899	(127, 1)	351000.0	5037400.0	1.13832	(170, 1)
350500.0	5037400.0	1.77475	(188, 1)	350250.0	5037520.0	0.71731	(224, 1)
350000.0	5037310.0	0.89812	(204, 1)	349700.0	5037080.0	0.99932	(166, 1)
348900.0	5037020.0	0.94423	(158, 1)	348880.0	5036220.0	0.54234	(166, 1)
348480.0	5036220.0	0.83770	(255, 1)	348500.0	5037020.0	0.92608	(166, 1)
348100.0	5037020.0	1.06660	(166, 1)	348050.0	5036240.0	0.99183	(201, 1)
347690.0	5036250.0	0.83922	(201, 1)	347710.0	5037260.0	1.01977	(166, 1)
347730.0	5038270.0	0.98301	(241, 1)	348130.0	5038080.0	1.21616	(196, 1)
348130.0	5037830.0	1.15995	(241, 1)	348930.0	5037800.0	0.79148	(199, 1)
348940.0	5038200.0	0.76470	(195, 1)	348950.0	5038600.0	0.92240	(220, 1)
349360.0	5038580.0	0.71336	(266, 1)	349360.0	5039000.0	1.39488	(182, 1)

TABLE C-12

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) - SO_2
* FROM SOURCES: 17, -19,
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY, PER.)	- X -	- Y -	CON.	(DAY, PER.)
349750.0	5038680.0	4.30530	(187, 6)	350000.0	5038680.0	3.01038	(212, 1)
350250.0	5038680.0	3.50802	(249, 6)	350500.0	5038680.0	3.11277	(220, 7)
350750.0	5038680.0	5.74008	(244, 4)	349750.0	5038430.0	2.65071	(248, 1)
350000.0	5038430.0	5.26770	(249, 6)	350250.0	5038430.0	5.10397	(249, 5)
350500.0	5038430.0	2.62966	(254, 4)	350750.0	5038430.0	5.96686	(244, 6)
349750.0	5038180.0	3.09566	(196, 6)	350000.0	5038180.0	2.71503	(196, 6)
350250.0	5038180.0	4.20023	(195, 4)	350500.0	5038180.0	1.66837	(247, 8)
350750.0	5038180.0	4.79330	(181, 5)	349750.0	5037930.0	4.51049	(225, 4)
350000.0	5037930.0	4.47789	(225, 4)	350250.0	5037930.0	2.94095	(253, 7)
350500.0	5037930.0	1.71747	(307, 6)	350750.0	5037930.0	3.25985	(243, 8)
350345.0	5038107.0	2.99634	(212, 1)	350288.0	5038020.0	3.70404	(225, 6)
351350.0	5036650.0	2.45929	(234, 7)	351150.0	5037650.0	2.73202	(267, 3)
352400.0	5038000.0	2.17554	(242, 7)	352850.0	5037150.0	2.14747	(216, 1)
352950.0	5036350.0	1.30438	(292, 5)	352750.0	5035900.0	1.48072	(160, 7)
348980.0	5039430.0	2.42978	(212, 3)	349480.0	5039420.0	4.15270	(206, 4)
349980.0	5039410.0	3.69451	(145, 5)	350480.0	5039400.0	3.71108	(180, 5)
350980.0	5039390.0	3.76875	(266, 5)	351480.0	5039380.0	3.28215	(293, 6)
351980.0	5039370.0	3.46157	(145, 6)	352480.0	5039360.0	2.21132	(217, 6)
352930.0	5039350.0	1.64378	(150, 1)	352915.0	5038755.0	2.30526	(249, 5)
352900.0	5038160.0	1.67956	(204, 1)	353300.0	5038140.0	1.82096	(233, 3)
353288.0	5037730.0	2.63768	(234, 2)	353275.0	5037320.0	2.68252	(216, 1)
353262.0	5036910.0	2.04297	(128, 5)	353250.0	5036500.0	1.36815	(229, 8)
353750.0	5036500.0	1.67830	(229, 8)	353750.0	5035700.0	1.08193	(230, 8)
352900.0	5035720.0	1.44400	(160, 7)	352850.0	5034580.0	1.16468	(130, 7)
352065.0	5034605.0	0.92459	(76, 4)	351280.0	5034630.0	1.08280	(161, 1)
351315.0	5035390.0	1.35116	(113, 6)	351350.0	5036150.0	1.74293	(221, 4)
350550.0	5036180.0	2.03565	(113, 6)	350550.0	5037100.0	4.09757	(137, 8)
350960.0	5037000.0	3.17202	(240, 7)	351000.0	5037400.0	4.12340	(233, 7)
350500.0	5037400.0	5.46630	(164, 6)	350250.0	5037520.0	4.29890	(224, 4)
350000.0	5037310.0	3.58651	(170, 8)	349700.0	5037080.0	4.25890	(166, 1)
348900.0	5037020.0	3.49330	(158, 6)	348880.0	5036220.0	3.08162	(228, 5)
348480.0	5036220.0	2.26141	(202, 6)	348500.0	5037020.0	3.95495	(165, 4)
348100.0	5037020.0	3.61514	(214, 7)	348050.0	5036240.0	2.71934	(201, 8)
347690.0	5036250.0	2.19999	(166, 1)	347710.0	5037260.0	2.81149	(155, 5)
347730.0	5038270.0	3.08633	(196, 1)	348130.0	5038080.0	5.14648	(225, 4)
348130.0	5037830.0	4.46811	(138, 4)	348930.0	5037800.0	3.17176	(199, 8)
348940.0	5038200.0	3.03233	(196, 6)	348950.0	5038600.0	3.36538	(219, 5)
349360.0	5038580.0	7.04878	(244, 5)	349360.0	5039000.0	4.74319	(206, 4)