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INDIANA
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AEP:NRC:08420
10 CFR 50.36a

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
SEMI-ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
(JULY 1, 1989 TO DECEMBER 31, 1989)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

ATTN: T. E. Murley

February 27, 1990

Dear Dr. Murley:

This letter transmits, under separate cover, six copies of the Radioactive Effluent Release Report for the Donald C. Cook Nuclear Plant Units 1 and 2, corresponding to the period from July 1, 1989 - December 31, 1989. This report was prepared in accordance with the Cook Nuclear Plant Technical Specifications Sections 6.9.1.8 and 6.9.1.9.

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

M. P. Alexich
Vice President

edg

Enclosure
cc: D. H. Williams, Jr.
A. A. Blind - Bridgman
R. C. Callen
G. Charnoff
NRC Resident Inspector - Bridgman
A. B. Davis - Region III Administrator (2 encl.)
NFEM Section Chief

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Donald C. Cook Nuclear Plant • Units 1 & 2

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Semi-Annual Radioactive Effluent Release Report

July 1, through December 31, 1989

Indiana & Michigan Electric Company
Bridgman, Michigan

Docket Nos. 50-315 & 50-316
License Nos. DPR-58 & DPR-74

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I. INTRODUCTION

This report discusses the radioactive discharges from Unit 1 and Unit 2 of the Donald C. Cook Nuclear Plant during the second half of 1989 in accordance with the requirements of Cook Nuclear Plant Technical Specifications Sections 6.9.1.8 and 6.9.1.9.

The table below summarizes the pertinent statistics concerning the Plant's operation during the period from July 1, 1989 to December 31, 1989. The data in this table and the descriptive information on plant operation is based upon the respective Unit's Monthly Operating Reports for the reporting period.

Parameter	Unit 1	Unit 2
Gross Electrical Generation (MWhr)	4353770	4652830
Unit Service Factor (%)	96.6	97.8
Unit Capacity Factor - MDC* Net (%)	93.2	96.0

* Maximum Dependable Capacity

Unit 1 entered the reporting period with the reactor critical in Mode 2 with lower power physics testing in progress. The unit was successfully paralleled to the system on July 4, 1989 and loaded to 30% power for turbine warming prior for overspeed testing. On July 4, 1989, the turbine generator was unloaded and the generator removed from parallel to perform the scheduled turbine overspeed testing. The unit's return to power was precluded by the discovery of incomplete post-maintenance testing of a seal injection check valve, and the upper containment spray ring header supply check valve. This necessitated a RCS cooldown to Mode 5, cold shutdown, to establish permissible test conditions. The testing was performed satisfactorily, the RCS returned to normal operating conditions, and the unit paralleled with the system on July 8, 1989. The unit power was increased per the power escalation testing program and reached 100% power on July 16, 1989; the unit operating at the reduced temperature and pressure conditions (RTP). A power reduction was required on November 22, 1989 to 55% RTP. This was to allow the cleaning of the main feed pump turbine condensers. On November 23, 1989, the unit power increased to 100% RTP, where it remained the rest of the reporting period.

Unit 2 entered the reporting period at 100% Rated Thermal Power. This was reduced to 87% on July 17, 1989. This reduction was to facilitate circulating water pump replacement. On July 20, 1989, the unit returned to 100% RTP. On August 14, 1989, the vital instrument bus inverter transferred to alternate power. When switching back to normal, a low voltage condition occurred which resulted in a reactor/turbine trip. The plant cooldown was required to conform with the Plant's Technical Specification. Mode 4 and then Mode 5 were entered on August 15, 1989. The unit paralleled to the grid on August 18, 1989 and attained 100% RTP on August 29, 1989. On October 27, 1989 and through October 29, 1989, a power

reduction was required to allow cleaning and leak testing of the east and west main feed pump turbine condensers. On October 29, 1989, the unit was once again at 100% RTP. On November 11 and through November 13, 1989, the unit reduced power to 55% to allow cleaning and leak testing of the east and west main feed pump turbine condensers. The unit returned to 100% RTP on November 13, 1989. On November 18, 1989 the unit was once again reduced in power to 55% RTP. This was to allow leak testing for the main feed pump turbine condensers. On November 19, the unit commenced to 100% RTP. On November 29, 1989, the unit was reduced to 55% RTP. This was to once again allow leak testing of the east feed pump turbine condenser. The unit once again returned to 100% RTP on November 30, 1989. On December 2, 1989 a unit power reduction of 55% was required. This was to allow leak testing of the east main feed pump turbine condenser. December 3, 1989 the unit was back at 100% RTP. On December 3, 1989, the unit once again commenced power reduction to 55% RTP. Once again this was to allow leak testing of the east main feed pump turbine condenser. On December 4, 1989 the unit obtained 100% RTP. On December 19, 1989, the unit commenced to reduce power to 55% RTP. This was to allow leak testing of the west main feed pump turbine condenser. December 20, 1989 the unit increased power to 100% RTP, where it remained for the rest of the reporting period.

II. RADIOACTIVE RELEASES AND RADIOLOGICAL IMPACT UPON MAN

Since a number of release points are common to both Units, the release data from both Units is combined to form this two unit, Semi-Annual Radioactive Effluent Release Report. Appendix 1 of this report presents the information in accordance with section 6.9.1.9 of Appendix A to the Facility Operating Licenses, as specified in the Technical Specification and 10 CFR Part 50, Appendix I. The "Midas System" by Pickard, Lowe and Garrick, Inc., is a computer code that calculates doses for all isotopes that were released by the Plant.

Liquid Releases

During the third quarter of 1989, there were 35 liquid batch releases. 33 liquid batches were released during the fourth quarter.

There were no abnormal liquid releases during the second half of 1989. For the purpose of dose assessment, the batch releases were treated as continuous releases. The estimated doses (in millirems) to the maximum exposed individual via the liquid release pathway are given in appendices 1.2 and 1.3 of this report.

Gaseous Releases

During the third quarter of 1989, there were 98 gaseous batch releases. 54 gaseous batches were released during the fourth quarter. The containment pressure relief's (CPR) continue to

be listed as batch releases in accordance with NRC inspections 50-315/89016 (DRSS) and 50-316/89017 (DRSS). There were 150 CPR releases during the reporting period compared to 114 for the first half of 1989.

There were no abnormal gaseous releases during this reporting period. In calculating the dose consequences for continuous and batch gaseous releases during the second half of 1989, the meteorological data measured at the time of these releases was used. The estimated doses (in millirems) to the maximally exposed individual via the gaseous release pathway are given in Appendices 1.2 and 1.3 of this report.

Solid Waste Disposition

There were 86 shipments of radioactive waste made during this reporting period, compared to 44 for the first half of 1989. It should be noted that all radioactive waste from the Steam Generator Repair Project has now been processed and buried.

III. METEOROLOGICAL

Appendices 2.1 and 2.2 of this report contain the cumulative joint frequency distributions of wind speed and wind direction, corresponding to the various atmospheric stability classes for the third and fourth quarters of 1989. The hourly meteorological data is not submitted in this report. This data is filed at American Electric Power Service Corporation and at the Donald C. Cook Nuclear Plant for review and/or inspection upon request.

IV. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was revised during this reporting period. The scope of the revision and PNSRC approval is documented on the procedure cover sheets. These revisions did not reduce the overall conformance of the solidified waste product to existing criteria for solid waste.

V. OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

The Offsite Dose Calculation Manual, PMP 6010.OSD.001 was not changed during this reporting period.

VI. TOTAL DOSE

Technical Specification 3.11.4 requires that the dose or dose commitment to a real individual from all uranium fuel cycle sources be limited to no more than twenty-five (25) millirem to the total body or any organ over a period of twelve (12) consecutive months to show conformance with the requirements of 40 CFR Part 190. The maximum cumulative dose to an individual

from liquid and gaseous effluents during 1989 were well within Technical Specification 3.11.4 limits. Measurements using thermoluminescent dosimeters at ten (10) offsite background stations indicate that the dose due to direct radiation is negligible.

VII. CONCLUSION

Based on the information presented in this report, it is concluded that the Donald C. Cook Units 1 and 2 performed their intended design function with no demonstrable hazard to the health and safety of the general public.

APPENDIX 1.1

Radioactive Release Data
July 1 - December 31, 1989

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

Supplemental Information

Facility: D.C. Cook Plant
Licensee: Indiana & Michigan Power Company

1. Regulatory Limits

A. Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1. During any calendar quarter, to $\leq$ 5 mrad for gamma radiation and $\leq$ 10 mrad for beta radiation;

2. During any calendar year, to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines - Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas shall be limited to the following:

1. During any calendar quarter to $\leq$ 7.5 mrem to any organ;

2. During any calendar year to $\leq$ 15 mrem to any organ.

C. Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1. During any calendar quarter to $\leq$ 1.5 mrem to the total body and to $\leq$ 5 mrem to any organ;

2. During any calendar year to $\leq$ 3 mrem to the total body and to $\leq$ 10 mrem to any organ.

D. Total Dose

The dose or dose commitment to a real individual from all uranium fuel cycle sources is limited to ≤ 25 mrem to the total body or any organ (except the thyroid, which is limited to ≤ 75 mrem) over a period of 12 consecutive months.

2. Maximum Permissable Concentrations

A. Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

1. For noble gases: ≤ 500 mrem/yr to the total body and ≤ 3000 mrem/yr to the skin;

2. For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than 8 days: ≤ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table II.

B. Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} μCi/ml total activity.

3. Average Energy

The average energy ($\bar{E}$) of the radionuclide mixture in releases of fission and activation gases is not applicable per Regulatory Guide 1.21 Appendix B Section A.3.

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and Hp Ge detector.

B. Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and Hp Ge detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Hp Ge detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Hp Ge detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

35 releases in the 3rd quarter, 1989
33 releases in the 4th quarter, 1989

2. Total time period for batch releases:

9484 minutes

3. Maximum time for a batch release:

443 minutes

4. Average time period for batch release:

140 minutes

5. Minimum time period for a batch release:

103 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

1,006,439 gpm circulating water

B. Gaseous

1. Number of batch releases:

98 in 3rd quarter, 1989
54 in 4th quarter, 1989

2. Total time period of batch releases:

4864 minutes

3. Maximum time period for a batch release:

981 minutes

4. Average time period for batch releases:

32 minutes

5. Minimum time period for a batch release:

5 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 3	Continuous Mode Quarter 4	Batch Mode Quarter 3	Batch Mode Quarter 4
1. FISSION GASES					
Krypton-85	Ci			1.88E-1	5.20E0
Krypton-85m	Ci				
Krypton-87	Ci				
Krypton-88	Ci				
Xenon-133	Ci	2.86E+1	3.76E+1	4.71E0	1.17E0
Xenon-135	Ci	8.99E-5	2.33E0	9.79E-2	1.21E0
Xenon-135m	Ci				
Xenon-138	Ci				
Xenon-133m	Ci			4.68E-2	8.87E-1
Xenon-131m	Ci			1.20E-1	1.88E0
Argon-41	Ci	1.15E-2	9.55E-3	9.54E-2	6.28E-1
Total for Period	Ci	2.86E+1	3.99E+1	5.15E0	1.10E1
2. IODINES					
Iodine-131	Ci	2.33E-4	8.09E-5		7.21E-5
Iodine-133	Ci	4.14E-5			1.20E-5
Iodine-135	Ci				
Total for Period	Ci	2.74E-4	8.09E-5		8.41E-5
3. PARTICULATES	Ci				
	Ci				
	Ci				
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	9.25E-5			6.66E-6
Cesium-137	Ci	2.83E-4	1.80E-6	4.42E-3	6.15E-3
Iron-59	Ci				
Cobalt-58	Ci	3.61E-5			
Cobalt-60	Ci	2.59E-6			
Manganese-54	Ci				
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Sodium-24	Ci		1.17E-5		
Chromium-51	Ci			8.84E-3	1.23E-2
Total for Period	Ci	4.14E-4	1.35E-5	1.33E-2	1.85E-2

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	3RD Quarter	4TH Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release.	Ci	3.38E+1	5.09E+1	
2. Average release rate for period.	µCi/sec	4.26E0	6.41E0	1.73E+1
3. Percent of Technical Specification limit. (T/S 3.11.2.2 limit)	% γ	5.08E-2	3.86E-1	
	% β	7.20E-2	5.50E-1	
B. IODINES				
1. Total Iodine-131.	Ci	2.33E-4	1.53E-4	
2. Average release rate for period.	µCi/sec	2.94E-5	1.93E-5	1.45E+1
3. Percent of Technical Specification limit. (T/S 3.11.2.3 limit)	%	1.79E0	2.63E0	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	1.37E-2	1.85E-2	
2. Average release rate for period.	µCi/sec	1.73E-3	2.33E-3	1.0 E+1
3. Percent of Technical Specification limit.*	%	1.79E0	2.63E0	
4. Gross alpha radio-activity. *(T/S 3.11.2.3 limit)	Ci	<6.85E-7	<6.79E-7	
D. TRITIUM				
1. Total release.	Ci	8.25E0	2.61E0	
2. Average release rate for period.	µCi/sec	1.04E0	3.29E-1	2.6E-1+1
3. Percent of Technical Specification limit. (10 CFR 20 limit)	%	7.70E0	2.35E0	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1ST Half 1989 Revised

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	1ST Quarter	2ND Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release.	Ci	9.57E0	2.04E+1	1.36 E+1
2. Average release rate for period.	µCi/sec	1.23E0	2.59E0	
3. Percent of Technical Specification limit. (T/S 3.11.2.2 limit)	% γ	1.10E-1	1.23E-2	
	% β	2.16E-2	1.83E-2	
B. IODINES				
1. Total Iodine-131.	Ci	9.77E-6	2.46E-4	7.83E0
2. Average release rate for period.	µCi/sec	1.26E-6	3.13E-5	
3. Percent of Technical Specification limit. (T/S 3.11.2.3 limit)	%	3.55E-1	1.76E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	1.59E-3	7.87E-5	1.93E+1
2. Average release rate for period.	µCi/sec	2.04E-4	1.00E-5	
3. Percent of Technical * Specification limit.	%	3.55E-1	1.76E-1	
4. Gross alpha radio-activity. *(T/S 3.11.2.3 limit)	Ci	<7.38E-7	<3.95E-7	
D. TRITIUM				
1. Total release.	Ci	1.76E0	4.93E0	2.93E-1
2. Average release rate for period.	µCi/sec	2.26E-1	6.27E-1	
3. Percent of Technical Specification limit. (10 CFR 20 limit)	%	1.75E0	4.63E0	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE Quarter 3RD	BATCH MODE Quarter 4TH	CONTINUOUS MODE Quarter 3RD	CONTINUOUS MODE Quarter 4TH
Antimony-122	Ci	1.56E-4			
Strontium-89	Ci	1.34E-4	5.24E-5	1.78E-2	1.69E-2
Strontium-90	Ci	6.43E-5	2.06E-5		2.56E-3
Cesium-134	Ci	2.37E-3	7.03E-4	6.21E-5	
Cesium-137	Ci	3.35E-3	1.22E-3	5.16E-4	6.57E-5
Iodine-131	Ci	6.29E-4	1.89E-4		
Antimony-124	Ci	2.32E-3	1.36E-3		
Antimony-125	Ci	1.94E-3	1.94E-3		
Strontium-85	Ci	3.48E-5			
Cobalt-58	Ci	3.67E-2	1.69E-2	9.66E-5	5.94E-3
Cobalt-60	Ci	6.93E-3	6.71E-3		
Iron-59	Ci		2.79E-5		
Zinc-65	Ci	3.43E-4	2.76E-4		
Manganese-54	Ci	8.18E-3	9.31E-3		
Chromium-51	Ci	2.03E-3	1.44E-3		
Tin-113	Ci	7.40E-5	5.51E-5		
Zirconium-Niobium-95	Ci	1.64E-3	1.35E-3		
Molybdenum-99	Ci				
Technetium-99M	Ci				
Barium-Lanthanum-140	Ci				
Cerium-141	Ci				
Cesium-136	Ci	1.41E-3	5.97E-4		
Sodium-24	Ci	1.58E-5	2.14E-5	1.69E-5	5.35E-4
Iodine-133	Ci				
Cobalt-57	Ci	9.35E-5	1.04E-4		
Zirconium-97	Ci	7.03E-4	4.46E-4		
Silver-110M	Ci	2.09E-2	1.01E-2		
Cerium-144	Ci				
Iron-55	Ci	1.80E-2	2.02E-2		
Xenon-133	Ci	3.86E-3	4.45E-2	6.15E-5	5.97E-5
Xenon-131M	Ci		7.27E-4		
Xenon-133M	Ci	1.21E-5	2.59E-4		
Xenon-135	Ci		1.19E-5		1.84E-5
Argon-41	Ci				
Krypton-85	Ci	7.85E-3			

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EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH Quarter 3rd	BATCH Quarter 4th	CONTINUOUS Quarter 3rd	CONTINUOUS Quarter 4th	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	1.08E-1	7.30E-2	1.85E-2	2.60E-2	9.56E0
2. Average diluted concentration during period.	µCi/ml	6.17E-9	4.35E-9	1.98E-11	2.62E-11	
3. Percent of applicable limit.	%	2.54E-2	1.12E-2	6.41E-4	1.44E-3	
B. TRITIUM						
1. Total Release	Ci	1.64E+2	3.68E+2	1.93E-1	4.64E-1	1.90E-1
2. Average diluted concentration during period.	µCi/ml	9.37E-6	2.19E-5	2.07E-10	4.67E-10	
3. Percent of applicable limit.	%	3.12E-1	7.30E-1	6.90E-6	1.56E-5	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	1.17E-2	4.55E-2	6.15E-5	7.81E-5	1.83E0
2. Average diluted concentration during period.	µCi/ml	6.69E-10	2.71E-9	6.59E-14	7.87E-14	
3. Percent of applicable limit.	%	3.35E-4	1.36E-3	3.30E-8	3.94E-8	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH Quarter 3rd	BATCH Quarter 4th	CONTINUOUS Quarter 3rd	CONTINUOUS Quarter 4th	Est. Total Error, %
D. GROSS ALPHA RADIOACTIVITY 1. Total Release	ci	<6.27E-5	<7.33E-5	NA	NA	NA
E. VOLUME OF WASTE RELEASED	Liters	2.01E6	1.87E6	2.00E8	1.97E8	2.00E0
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.75E10	1.68E10	9.33E11	9.93E11	3.48E0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2ND Half 1989

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	2.43E+1 1.05E3	1.0E0 2.0E+1
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	1.20E+2 8.67E0	1.0E0 2.0E+1
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.	CS-137	17	%	MN-54	8	%
	CS-134	9	%	FE-55	11	%
	CO-58	33	%	NI-63	8	%
	CO-60	14	%			
b.	CO-60	16	%	FE-55	24	%
	CO-58	2	%	NI-63	19	%
	CS-137	25	%	C-14	5	%
	CS-134	9	%			

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
86	Truck	Barnwell, SC
0		Richland, WA

4. Type of Containers Used for Shipment

Containers used are strong, tight metal boxes, metal drums, and high integrity.

5. Solidification Agent

There were no solidifications performed during the report period.

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1989

YEARLY RELEASE RATES

I. Gases

A. Fission and Activation Gases

		Units	
1.	Total Release	ci	1.15E+2
2.	Average Release Rate	μ ci/sec	3.65E0
3.	% of Technical Specification Limits	γ %	2.79E-1
		β	3.31E-1

B. Iodines

1.	Total Iodine-131 Released	ci	5.42E-4
2.	Average Release Rate	μ ci/sec	1.72E-5
3.	% of Technical Specification Limit	%	2.47E0

C. Particulates

1.	Total Release	ci	3.39E-2
2.	Average Release Rate	μ ci/sec	1.07E-3
3.	% of Technical Specification Limit	%	2.47E0

II. Liquids

A. Fission and Activation Products

1.	Total Release	ci	8.10E-1
2.	Average Diluted Concentration	μci/ml	2.67E-10
3.	% of Technical Specification Limit — Total Body	%	5.67E0
	Liver	%	1.96E0

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe133m	Xe135	Ar41	Kr85	Cr51	Cs137	H3	Cs134	Sr85	Rb88	Y88	I131/I133
G-89-04	8/10/89	1353														
	8/10/89	1438	2.61E-5	2.32E-4				1.48E-3		2.71E-9	3.38E-5		6.54E-6			
G-89-05	11/5/89	2325														7.21E-5/
	11/6/89	1546	1.61E-0	1.06E-0	7.73E-1	9.67E-1	4.47E-1	4.75E-0		2.21E-5	3.70E-1	6.66E-6	2.10E-2	9.88E-4	1.13E-5	1.20E-5
-CPR-89-39	7/8/89	1237														
	7/8/89	1257	9.36E-4	1.28E-2		1.56E-4	1.72E-3		3.12E-4	1.56E-4						
-CPR-89-40	7/20/89	0932														
	7/20/89	1004	1.34E-3	1.84E-2		2.24E-4	2.46E-3		4.48E-4	2.24E-4						
-CPR-89-41	7/25/89	1420														
	7/25/89	1445	3.98E-4	5.44E-3		6.63E-5	7.29E-4		1.33E-4	6.63E-5						
-CPR-89-42	7/26/89	2340														
	7/27/89	0004	7.56E-4	1.03E-2		1.26E-4	1.39E-3		2.52E-4	1.26E-4						
-CPR-89-43	7/27/89	1850														
	7/27/89	1914	1.09E-3	1.48E-2		1.81E-4	1.99E-3		3.62E-4	1.81E-4						
-CPR-89-44	7/29/89	1910														
	7/29/89	1929	1.04E-3	1.43E-2		1.74E-4	1.91E-3		3.48E-4	1.74E-4						
-CPR-89-45	8/1/89	1740														
	8/1/89	1806	9.00E-4	1.23E-2		1.50E-4	1.65E-3		3.00E-4	1.50E-4						
-CPR-89-46	8/2/89	2007														
	8/2/89	2027	5.15E-4	7.04E-3		8.58E-5	9.44E-4		1.72E-4	8.58E-5						
-CPR-89-47	8/3/89	1758														
	8/3/89	1824	1.12E-3	1.53E-2		1.87E-4	2.06E-3		3.74E-4	1.87E-4						
-CPR-89-48	8/5/89	0101														
	8/5/89	0130	7.38E-4	1.01E-2		1.23E-4	1.35E-3		2.46E-4	1.23E-4						
-CPR-89-49	8/9/89	1648														
	8/9/89	1728	1.40E-3	1.91E-2		2.33E-4	2.56E-3		4.66E-4	2.33E-4						
-CPR-89-50	8/12/89	1222														
	8/12/89	1247	8.52E-4	1.16E-2		1.42E-4	1.56E-3		2.84E-4	1.42E-4						
-CPR-89-51	8/14/89	0525														
	8/14/89	0551	1.10E-3	1.51E-2		1.84E-4	2.02E-3		3.68E-4	1.84E-4						
-CPR-89-52	8/18/89	1619														
	8/18/89	1640	8.04E-4	1.10E-2		1.34E-4	1.47E-3		2.68E-4	1.34E-4						

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe13[illegible]	Xe135	Ar41	Kr85	Cr51	Cs137		
1-CPR-89-[illegible]	8/19/89 8/19/89	1344 1405	1.37E-3	1.87E-2	[illegible]	2.28E-4	2.51E-3		4.56E-4	2.28E-4	[illegible]	
1-CPR-89-54	8/20/89 8/20/89	1607 1628	1.23E-3	1.68E-2		2.05E-4	2.26E-3		4.10E-4	2.05E-4		
1-CPR-89-55	8/22/89 8/22/89	1807 1828	1.18E-3	1.62E-2		1.97E-4	2.17E-3		3.94E-4	1.97E-4		
1-CPR-89-56	8/26/89 8/26/89	1641 1705	1.68E-3	2.30E-2		2.80E-4	3.08E-3		5.60E-4	2.80E-4		
1-CPR-89-57	8/28/89 8/28/89	1413 1437	1.38E-3	1.89E-2		2.30E-4	2.53E-3		4.60E-4	2.30E-4		
1-CPR-89-58	8/29/89 8/29/89	1600 1623	4.70E-4	6.42E-3		7.83E-5	8.61E-4		1.57E-4	7.83E-5		
1-CPR-89-59	8/31/89 8/31/89	1808 1826	4.21E-4	5.76E-3		7.02E-5	7.72E-4		1.40E-4	7.02E-5		
1-CPR-89-60	9/4/89 9/4/89	1640 1659	6.42E-4	8.77E-3		1.07E-4	1.18E-3		2.14E-4	1.07E-4		
1-CPR-89-61	9/7/89 9/7/89	1944 2008	8.58E-4	1.17E-2		1.43E-4	1.57E-3		2.86E-4	1.43E-4		
1-CPR-89-62	9/18/89 9/18/89	1604 1625	6.66E-4	9.10E-3		1.11E-4	1.22E-3		2.22E-4	1.11E-4		
1-CPR-89-63	9/22/89 9/22/89	0351 0413	1.04E-3	1.43E-2		1.74E-4	1.91E-3		3.48E-4	1.74E-4		
1-CPR-89-64	9/25/89 9/25/89	1102 1127	1.05E-3	1.44E-2		1.75E-4	1.93E-3		3.50E-4	1.75E-4		
1-CPR-89-65	9/28/89 9/28/89	0744 0811	1.53E-3	2.09E-2		2.55E-4	2.81E-3		5.10E-4	2.55E-4		
1-CPR-89-66	10/1/89 10/1/89	0954 1028	1.52E-3	2.07E-2		2.53E-4	2.78E-3		5.06E-4	2.53E-4		
1-CPR-89-67	10/5/89 10/5/89	0832 0856	7.50E-4	1.03E-2		1.25E-4	1.38E-3		2.50E-4	1.25E-4		
1-CPR-89-68	10/9/89 10/9/89	1702 1726	1.00E-3	1.37E-2		1.67E-4	1.84E-3		3.34E-4	1.67E-4		
1-CPR-89-69	10/14/89 10/14/89	0513 0533	1.12E-3	1.53E-2		1.86E-4	2.05E-3		3.72E-4	1.86E-4		
1-CPR-89-70	10/19/89 10/19/89	1130 1210	1.57E-3	2.15E-2		2.62E-4	2.88E-3		5.24E-4	2.62E-4		
1-CPR-89-71	10/27/89 10/27/89	1753 1810	5.35E-4	7.31E-3		8.91E-5	9.80E-4		1.78E-4	8.91E-5		
1-CPR-89-72	10/30/89 10/30/89	1605 1625	1.28E-3	1.75E-2		2.13E-4	2.34E-3		4.26E-4	2.13E-4		
1-CPR-89-73	11/4/89 11/4/89	0553 0613	9.96E-4	1.36E-2		1.66E-4	1.83E-3		3.32E-4	1.66E-4		
1-CPR-89-74	11/5/89 11/5/89	1320 1350	2.01E-3	2.75E-2		3.35E-4	3.69E-3		6.70E-4	3.35E-4		
1-CPR-89-75	11/8/89 11/8/89	0720 0741	7.86E-4	1.07E-2		1.31E-4	1.44E-3		2.62E-4	1.31E-4		
1-CPR-89-76	11/13/89 11/13/89	1216 1238	7.14E-4	9.76E-3		1.19E-4	1.31E-3		2.38E-4	1.19E-4		
1-CPR-89-77	11/15/89 11/15/89	0031 0052	1.17E-3	1.60E-2		1.95E-4	2.15E-3		3.90E-4	1.95E-4		
1-CPR-89-78	11/19/89 11/19/89	2029 2050	1.51E-3	2.06E-2		2.51E-4	2.76E-3		5.02E-4	2.51E-4		
1-CPR-89-79	11/24/89 11/24/89	1600 1622	1.73E-3	2.36E-2		2.88E-4	3.17E-3		5.76E-4	2.88E-4		
1-CPR-89-80	11/27/89 11/27/89	0456 0523	1.76E-3	2.40E-2		2.93E-4	3.22E-3		5.86E-4	2.93E-4		

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe13[illegible]	Xe135	Ar41	Kr85	Cr51	Cs137		
1-CPR-89-81	11/27/89 11/27/89	1358 1418	1.51E-3	2.06E-2		2.51E-4	2.76E-3		5.02E-4	2.51E-4		
1-CPR-89-82	12/1/89 12/1/89	2307 2329	1.12E-3	1.53E-2		1.86E-4	2.05E-3		3.72E-4	1.86E-4		
1-CPR-89-83	12/4/89 12/4/89	0506 0532	2.32E-3	3.17E-2		3.87E-4	4.26E-3		7.74E-4	3.87E-4		
1-CPR-89-84	12/9/89 12/9/89	1227 1259	1.94E-3	2.65E-2		3.23E-4	3.55E-3		6.46E-4	3.23E-4		
1-CPR-89-85	12/20/89 12/20/89	2110 2135	1.89E-3	2.58E-2		3.15E-4	3.47E-3		6.30E-4	3.15E-4		
1-CPR-89-86	12/23/89 12/23/89	2240 2305	1.43E-3	1.96E-2		2.39E-4	2.63E-3		4.78E-4	2.39E-4		
1-CPR-89-87	12/24/89 12/24/89	1349 1410	1.06E-3	1.45E-2		1.77E-4	1.95E-3		3.54E-4	1.77E-4		
1-CPR-89-88	12/25/89 12/25/89	0417 0433	1.57E-3	2.15E-2		2.62E-4	2.88E-3		5.24E-4	2.62E-4		
1-CPR-89-89	12/25/89 12/25/89	1330 1350	1.64E-3	2.24E-2		2.73E-4	3.00E-3		5.46E-4	2.73E-4		
1-CPR-89-90	12/27/89 12/27/89	1114 1132	9.66E-4	1.32E-2		1.61E-4	1.77E-3		3.22E-4	1.61E-4		
1-CPR-89-91	12/30/89 12/30/89	1314 1335	1.18E-3	1.62E-2		1.97E-4	2.17E-3		3.94E-4	1.97E-4		
1-CPR-89-92	12/31/89 12/31/89	0336 0403	1.66E-3	2.26E-2		2.76E-4	3.04E-3		5.52E-4	2.76E-4		
2-CPR-89-73	7/1/89 7/1/89	1304 1325	3.54E-4	1.65E-2	1.77E-4	3.54E-4	1.77E-4	7.08E-4				
2-CPR-89-74	7/2/89 7/2/89	0203 0231	2.98E-4	1.39E-2	1.49E-4	2.98E-4	1.49E-4	5.96E-4				
2-CPR-89-75	7/2/89 7/2/89	2026 2056	5.56E-4	2.59E-2	2.78E-4	5.56E-4	2.78E-4	1.11E-3				
2-CPR-89-76	7/3/89 7/3/89	1527 1555	4.82E-4	2.24E-2	2.41E-4	4.82E-4	2.41E-4	9.64E-4				
2-CPR-89-77	7/4/89 7/4/89	1128 1155	4.48E-4	2.08E-2	2.24E-4	4.48E-4	2.24E-4	8.96E-4				
2-CPR-89-78	7/5/89 7/5/89	0646 0708	4.22E-4	1.96E-2	2.11E-4	4.22E-4	2.11E-4	8.44E-4				
2-CPR-89-79	7/6/89 7/6/89	0531 0556	6.76E-4	3.14E-2	3.38E-4	6.76E-4	3.38E-4	1.35E-3				
2-CPR-89-80	7/6/89 7/6/89	2055 2145	9.80E-4	4.56E-2	4.90E-4	9.80E-4	4.90E-4	1.96E-3				
2-CPR-89-81	7/7/89 7/7/89	2024 2052	4.40E-4	2.05E-2	2.20E-4	4.40E-4	2.20E-4	8.80E-4				
2-CPR-89-82	7/8/89 7/8/89	1250 1316	6.16E-4	2.86E-2	3.08E-4	6.16E-4	3.08E-4	1.23E-3				
2-CPR-89-93	7/8/89 7/8/89	2239 2258	3.78E-4	1.76E-2	1.89E-4	3.78E-4	1.89E-4	7.56E-4				
2-CPR-89-94	7/9/89 7/9/89	1508 1529	4.32E-4	2.01E-2	2.16E-4	4.32E-4	2.16E-4	8.64E-4				
2-CPR-89-95	7/10/89 7/10/89	0225 0257	1.10E-3	5.10E-2	5.48E-4	1.10E-3	5.48E-4	2.19E-3				
2-CPR-89-96	7/11/89 7/11/89	0035 0109	5.64E-4	2.62E-2	2.82E-4	5.64E-4	2.82E-4	1.13E-3				

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe133	Xe135	Ar41	Kr85	Cr51	Cs137
2-CPR-89-9[illegible]	7/11/89 7/11/89	2318 2350	6.10E-4	2.84E-2	3.05[illegible]	[illegible].10E-4	3.05E-4	1.22E-3		
2-CPR-89-98	7/12/89 7/12/89	2140 2210	7.40E-4	3.44E-2	3.70E-4	7.40E-4	3.70E-4	1.48E-3		
2-CPR-89-99	7/13/89 7/13/89	1727 1752	6.12E-4	2.85E-2	3.06E-4	6.12E-4	3.06E-4	1.22E-3		
2-CPR-89-100	7/14/89 7/14/89	1631 1656	6.24E-4	2.90E-2	3.12E-4	6.24E-4	3.12E-4	1.25E-3		
2-CPR-89-101	7/15/89 7/15/89	1057 1122	6.56E-4	3.05E-2	3.28E-4	6.56E-4	3.28E-4	1.31E-3		
2-CPR-89-102	7/16/89 7/16/89	0043 0112	7.14E-4	3.32E-2	3.57E-4	7.14E-4	3.57E-4	1.43E-3		
2-CPR-89-103	7/16/89 7/16/89	1623 1646	7.18E-4	3.34E-2	3.59E-4	7.18E-4	3.59E-4	1.44E-3		
2-CPR-89-104	7/17/89 7/17/89	0914 0948	1.01E-3	4.69E-2	5.04E-4	1.01E-3	5.04E-4	2.02E-3		
2-CPR-89-105	7/18/89 7/18/89	0243 0317	9.88E-4	4.59E-2	4.94E-4	9.88E-4	4.94E-4	1.98E-3		
2-CPR-89-106	7/18/89 7/18/89	2001 2027	9.36E-4	4.35E-2	4.68E-4	9.36E-4	4.68E-4	1.87E-3		
2-CPR-89-107	7/19/89 7/19/89	1215 1241	7.84E-4	3.65E-2	3.92E-4	7.84E-4	3.92E-4	1.57E-3		
2-CPR-89-108	7/21/89 7/21/89	2141 2202	6.80E-4	3.16E-2	3.40E-4	6.80E-4	3.40E-4	1.36E-3		
2-CPR-89-109	7/22/89 7/22/89	1238 1303	9.30E-4	4.32E-2	4.65E-4	9.30E-4	4.65E-4	1.86E-3		
2-CPR-89-110	7/23/89 7/23/89	0650 0713	8.40E-4	3.91E-2	4.20E-4	8.40E-4	4.20E-4	1.68E-3		
2-CPR-89-111	7/23/89 7/23/89	2050 2118	1.09E-3	5.07E-2	5.45E-4	1.09E-3	5.45E-4	2.18E-3		
2-CPR-89-112	7/24/89 7/24/89	1536 1600	1.79E-3	8.31E-2	8.94E-4	1.79E-3	8.94E-4	3.58E-3		
2-CPR-89-113	7/25/89 7/25/89	1217 1242	9.34E-4	4.34E-2	4.67E-4	9.34E-4	4.67E-4	1.87E-3		
2-CPR-89-114	7/26/89 7/26/89	0459 0522	9.00E-4	4.19E-2	4.50E-4	9.00E-4	4.50E-4	1.80E-3		
2-CPR-89-115	7/26/89 7/26/89	1854 1914	7.26E-4	3.38E-2	3.63E-4	7.26E-4	3.63E-4	1.45E-3		
2-CPR-89-116	7/27/89 7/27/89	0731 0755	9.48E-4	4.41E-2	4.74E-4	9.48E-4	4.74E-4	1.90E-3		
2-CPR-89-117	7/27/89 7/27/89	1918 1944	1.16E-3	5.38E-2	5.78E-4	1.16E-3	5.78E-4	2.31E-3		
2-CPR-89-118	7/29/89 7/29/89	0600 0627	1.12E-3	5.19E-2	5.58E-4	1.12E-3	5.58E-4	2.23E-3		
2-CPR-89-119	7/29/89 7/29/89	1818 1841	9.98E-4	4.64E-2	4.99E-4	9.98E-4	4.99E-4	2.00E-3		
2-CPR-89-120	7/30/89 7/30/89	1446 1510	9.94E-4	4.62E-2	4.97E-4	9.94E-4	4.97E-4	1.99E-3		
2-CPR-89-121	7/31/89 7/31/89	1750 1812	9.48E-4	4.41E-2	4.74E-4	9.48E-4	4.74E-4	1.90E-3		
2-CPR-89-122	8/1/89 8/1/89	1516 1540	1.07E-3	4.96E-2	5.33E-4	1.07E-3	5.33E-4	2.13E-3		
2-CPR-89-123	8/2/89 8/2/89	1122 1149	1.13E-3	5.27E-2	5.67E-4	1.13E-3	5.67E-4	2.27E-3		
2-CPR-89-124	8/3/89 8/3/89	0104 0142	1.44E-3	6.71E-2	7.22E-4	1.44E-3	7.22E-4	2.89E-3		

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe133	Xe135	Ar41	Kr85	Cr51	Cs137		
2-CPR-89-1[illegible]	8/3/89 8/3/89	1820 1852	1.41E-3	6.56E-2	7.05E[illegible]	1.41E-3	7.05E-4	2.82E-3				
2-CPR-89-126	8/4/89 8/4/89	1421 1451	1.16E-3	5:41E-2	5.82E-4	1.16E-3	5.82E-4	2.33E-3				
2-CPR-89-127	8/5/89 8/5/89	0825 0856	1.40E-3	6.50E-2	6.99E-4	1.40E-3	6.99E-4	2.80E-3				
2-CPR-89-127A	8/7/89 8/7/89	0525 0546	9.18E-4	4.27E-2	4.59E-4	9.18E-4	4.59E-4	1.84E-3				
2-CPR-89-128	8/8/89 8/8/89	0032 0102	1.35E-3	6.30E-2	6.77E-4	1.35E-3	6.77E-4	2.71E-3				
2-CPR-89-129	8/9/89 8/9/89	0833 0906	1.49E-3	6.93E-2	7.45E-4	1.49E-3	7.45E-4	2.98E-3				
2-CPR-89-130	8/10/89 8/10/89	1450 1517	1.28E-3	5.94E-2	6.39E-4	1.28E-3	6.39E-4	2.56E-3				
2-CPR-89-131	8/11/89 8/11/89	1310 1338	1.50E-3	6.98E-2	7.50E-4	1.50E-3	7.50E-4	3.00E-3				
2-CPR-89-132	8/12/89 8/12/89	1025 1049	1.21E-3	5.65E-2	6.07E-4	1.21E-3	6.07E-4	2.43E-3				
2-CPR-89-133	8/13/89 8/13/89	0508 0538	1.32E-3	6.14E-2	6.60E-4	1.32E-3	6.60E-4	2.64E-3				
2-CPR-89-134	8/14/89 8/14/89	0505 0534	1.49E-3	6.92E-2	7.44E-4	1.49E-3	7.44E-4	2.98E-3				
2-CPR-89-135	8/17/89 8/17/89	0331 0410	1.43E-3	6.65E-2	7.15E-4	1.43E-3	7.15E-4	2.86E-3				
2-CPR-89-136	8/18/89 8/18/89	0814 0836	1.61E-3	7.49E-2	8.05E-4	1.61E-3	8.05E-4	3.22E-3				
2-CPR-89-137	8/18/89 8/18/89	2057 2123	2.44E-3	1.13E-1	1.22E-3	2.44E-3	1.22E-3	4.88E-3				
2-CPR-89-138	8/19/89 8/19/89	1223 1252	2.46E-3	1.14E-1	1.23E-3	2.46E-3	1.23E-3	4.92E-3				
2-CPR-89-139	8/20/89 8/20/89	0052 0121	2.68E-3	1.25E-1	1.34E-3	2.68E-3	1.34E-3	5.36E-3				
2-CPR-89-140	8/20/89 8/20/89	2221 2245	2.42E-3	1.13E-1	1.21E-3	2.42E-3	1.21E-3	4.84E-3				
2-CPR-89-141	8/21/89 8/21/89	2136 2159	2.52E-3	1.17E-1	1.26E-3	2.52E-3	1.26E-3	5.04E-3				
2-CPR-89-142	8/22/89 8/22/89	1708 1729	2.50E-3	1.16E-1	1.25E-3	2.50E-3	1.25E-3	5.00E-3				
2-CPR-89-143	8/23/89 8/23/89	1628 1652	2.96E-3	1.38E-1	1.48E-3	2.96E-3	1.48E-3	5.92E-3				
2-CPR-89-144	8/24/89 8/25/89	2349 0016	3.00E-3	1.40E-1	1.50E-3	3.00E-3	1.50E-3	6.00E-3				
2-CPR-89-145	8/27/89 8/27/89	1903 1928	3.22E-3	1.50E-1	1.61E-3	3.22E-3	1.61E-3	6.44E-3				
2-CPR-89-146	8/29/89 8/29/89	1219 1251	4.66E-3	2.17E-1	2.33E-3	4.66E-3	2.33E-3	9.32E-3				
2-CPR-89-147	9/1/89 9/1/89	0310 0333	3.56E-3	1.66E-1	1.78E-3	3.56E-3	1.78E-3	7.12E-3				
2-CPR-89-148	9/7/89 9/7/89	1523 1545	2.80E-3	1.30E-1	1.40E-3	2.80E-3	1.40E-3	5.60E-3				
2-CPR-89-149	9/20/89 9/20/89	0545 0613	5.44E-4	2.53E-2	2.72E-4	5.44E-4	2.72E-4	1.09E-3				
2-CPR-89-150	9/22/89 9/22/89	0805 0829	3.18E-3	1.48E-1	1.59E-3	3.18E-3	1.59E-3	6.36E-3				
2-CPR-89-151	9/28/89 9/28/89	1436 1500	3.30E-3	1.53E-1	1.65E-3	3.30E-3	1.65E-3	6.60E-3				

Release Number	Start Date Stop Date	Start Time Stop Time	Xe131m	Xe133	Xe13[illegible]	Xe135	Ar41	Kr85	Cr51	Cs137	[illegible]
2-CPR-89-1[illegible]	10/1/89 10/1/89	0438 0500	3.50E-3	1.63E-1	1.75[illegible]	3.50E-3	1.75E-3	7.00E-3			
2-CPR-89-153	10/4/89 10/4/89	1832 1857	3.24E-3	1.51E-1	1.62E-3	3.24E-3	1.62E-3	6.48E-3			
2-CPR-89-154	10/5/89 10/5/89	1902 1925	3.40E-3	1.58E-1	1.70E-3	3.40E-3	1.70E-3	6.80E-3			
2-CPR-89-155	10/9/89 10/9/89	2157 2222	4.62E-3	2.15E-1	2.31E-3	4.62E-3	2.31E-3	9.24E-3			
2-CPR-89-156	10/10/89 10/10/89	1608 1613	6.88E-4	3.20E-2	3.44E-4	6.88E-4	3.44E-4	1.38E-3			
2-CPR-89-157	10/19/89 10/19/89	1503 1530	4.42E-3	2.06E-1	2.21E-3	4.42E-3	2.21E-3	8.84E-3			
2-CPR-89-158	10/30/89 10/30/89	0523 0545	5.16E-3	2.40E-1	2.58E-3	5.16E-3	2.58E-3	1.03E-2			
2-CPR-89-159	11/4/89 11/4/89	0737 0800	9.84E-3	4.58E-1	4.92E-3	9.84E-3	4.92E-3	1.97E-2			
2-CPR-89-160	11/5/89 11/5/89	2148 2229	9.04E-3	4.20E-1	4.52E-3	9.04E-3	4.52E-3	1.81E-2			
2-CPR-89-161	11/8/89 11/8/89	0628 0707	3.06E-3	1.42E-1	1.53E-3	3.06E-3	1.53E-3	6.12E-3			
2-CPR-89-162	11/13/89 11/13/89	1412 1438	4.92E-3	2.29E-1	2.46E-3	4.92E-3	2.46E-3	9.84E-3			
2-CPR-89-163	11/15/89 11/15/89	0544 0606	6.28E-3	2.92E-1	3.14E-3	6.28E-3	3.14E-3	1.26E-2			
2-CPR-89-164	11/25/89 11/25/89	1522 1542	6.56E-3	3.05E-1	3.28E-3	6.56E-3	3.28E-3	1.31E-2			
2-CPR-89-165	11/27/89 11/27/89	0840 0917	1.64E-2	7.63E-1	8.20E-3	1.64E-2	8.20E-3	3.28E-2			
2-CPR-89-166	12/1/89 12/1/89	2014 2041	1.13E-2	5.25E-1	5.64E-3	1.13E-2	5.64E-3	2.26E-2			
2-CPR-89-167	12/4/89 12/4/89	0242 0310	1.24E-2	5.78E-1	6.22E-3	1.24E-2	6.22E-3	2.49E-2			
2-CPR-89-168	12/4/89 12/4/89	1142 1208	1.03E-2	4.81E-1	5.17E-3	1.03E-2	5.17E-3	2.07E-2			
2-CPR-89-169	12/9/89 12/9/89	0243 0309	1.23E-2	5.73E-1	6.16E-3	1.23E-2	6.16E-3	2.46E-2			
2-CPR-89-170	12/19/89 12/19/89	0654 0721	1.08E-2	5.02E-1	5.40E-3	1.08E-2	5.40E-3	2.16E-2			
2-CPR-89-171	12/21/89 12/21/89	0202 0226	9.86E-3	4.58E-1	4.93E-3	9.86E-3	4.93E-3	1.97E-2			
2-CPR-89-172	12/23/89 12/23/89	1744 1815	1.56E-2	7.26E-1	7.81E-3	1.56E-2	7.81E-3	3.12E-2			
2-CPR-89-173	12/24/89 12/24/89	1350 1417	1.53E-2	7.11E-1	7.65E-3	1.53E-2	7.65E-3	3.06E-2			
2-CPR-89-174	12/25/89 12/25/89	0625 0647	1.16E-2	5.38E-1	5.79E-3	1.16E-2	5.79E-3	2.32E-2			
2-CPR-89-175	12/25/89 12/25/89	1942 2010	1.31E-2	6.07E-1	6.53E-3	1.31E-2	6.53E-3	2.61E-2			
2-CPR-89-176	12/29/89 12/29/89	0621 0645	1.15E-2	5.34E-1	5.74E-3	1.15E-2	5.74E-3	2.30E-2			
2-CPR-89-177	12/30/89 12/30/89	1841 1908	1.25E-2	5.82E-1	6.26E-3	1.25E-2	6.26E-3	2.50E-2			

The following distances were used in the calculation of the maximum individual doses:

Sector	Direction	Boundary (Meters)	Nearest Residence (Meters)
A	N	651	659
B	NNE	617	660
C	NE	789	943
D	ENE	1497	1747
E	E	1274	1716
F	ESE	972	1643
G	SE	629	1136
H	SSE	594	1507
J	S	594	1026
K	SSW	629	942

APPENDIX 1.2

Summary of Maximum Individual Doses
Third Quarter, 1989

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 3RD Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERL LIMIT (MR)
Liquid	Total Body	1.72E-2	Adult	Receptor 1	1.15E0	1.5
Liquid	Liver	2.25E-2	Adult	Receptor 1	4.50E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	2.54E-3		594(S)	5.08E-2	5.0
Noble Gas	Air Dose (Beta-mrad)	7.20E-3		594(S)	7.20E-2	10
Noble Gas	Total Body	3.78E-3	All	659(N)	7.56E-2	Yearly 5.0
Noble Gas	Skin	1.06E-2	All	659(N)	7.07E-2	Yearly 15.0
Iodines and Particulates	Liver	1.34E-1	Child	659(N)	1.79E0	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 89 7 1 1 END DATE 89 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	7.4E-08	2.9E-06	2.9E-06	2.9E-06	2.8E-06	2.8E-06	3.1E-06	0.0E+00
TEEN	7.1E-08	2.1E-06	2.0E-06	2.1E-06	2.0E-06	2.0E-06	2.2E-06	0.0E+00
CHILD	2.0E-07	4.0E-06	3.8E-06	4.1E-06	3.8E-06	3.7E-06	3.9E-06	0.0E+00
INFANT	2.1E-07	4.0E-06	3.7E-06	4.2E-06	3.7E-06	3.7E-06	3.8E-06	0.0E+00
SHORE								
ADULT	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.5E-08
TEEN	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
CHILD	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	3.0E-08
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	1.1E-05	2.0E-05	1.4E-05	3.7E-07	6.8E-06	2.3E-06	9.2E-06	0.0E+00
TEEN	1.1E-05	2.0E-05	8.4E-06	3.2E-07	6.9E-06	2.6E-06	6.5E-06	0.0E+00
CHILD	1.4E-05	1.7E-05	3.6E-06	3.0E-07	5.8E-06	2.1E-06	2.4E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 89 7 1 1 END DATE 89 93024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	1.1E-05	2.2E-05	1.7E-05	3.3E-06	9.6E-06	5.0E-06	1.2E-05	2.5E-08
TEEN	1.2E-05	2.2E-05	1.1E-05	2.5E-06	9.0E-06	4.7E-06	8.8E-06	1.4E-07
CHILD	1.4E-05	2.1E-05	7.4E-06	4.4E-06	9.6E-06	5.8E-06	6.3E-06	3.0E-08
INFANT	2.1E-07	4.0E-06	3.7E-06	4.2E-06	3.7E-06	3.7E-06	3.8E-06	0.0E+00

```
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 7 1 1 0 TO 89 93024 0
DOSE ACCUMULATION FOR BETA        RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ESE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  S
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SW
 3.4297E-09    4.8033E-10    2.1860E-10    1.2560E-10    8.8393E-11
 4.4994E-11    1.7432E-11    8.5957E-12    5.4806E-12    3.4189E-12
**DIRECTION FROM WSW
 8.5565E-10    1.1983E-10    5.4536E-11    3.1334E-11    2.2052E-11
 1.1225E-11    4.3490E-12    2.1445E-12    1.3673E-12    8.5296E-13
**DIRECTION FROM  W
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
```

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 7 1 1 0 TO 89 93024 0
DOSE ACCUMULATION FOR GAMMA RAD
FOR RELEASE POINT 1

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
1.2108E-10	1.6957E-11	7.7174E-12	4.4340E-12	3.1206E-12
1.5884E-12	6.1542E-13	3.0346E-13	1.9349E-13	1.2070E-13
**DIRECTION FROM WSW				
3.0207E-11	4.2305E-12	1.9253E-12	1.1062E-12	7.7853E-13
3.9629E-13	1.5353E-13	7.5707E-14	4.8271E-14	3.0112E-14
**DIRECTION FROM W				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

FOR RELEASE POINT 2

**DIRECTION FROM N

7.1989E-06	8.6753E-07	4.1084E-07	2.4578E-07	1.7176E-07
8.4995E-08	3.3020E-08	1.6466E-08	1.0576E-08	6.6239E-09

**DIRECTION FROM NNE

4.9308E-06	6.1926E-07	2.8750E-07	1.6857E-07	1.1820E-07
5.9253E-08	2.2870E-08	1.1249E-08	7.1533E-09	4.4656E-09

**DIRECTION FROM NE

1.3161E-05	1.5512E-06	7.8416E-07	4.8854E-07	3.4851E-07
1.7869E-07	7.2889E-08	3.6828E-08	2.3772E-08	1.5215E-08

**DIRECTION FROM ENE

1.2918E-05	1.5075E-06	7.6283E-07	4.7578E-07	3.3951E-07
1.7414E-07	7.1104E-08	3.5950E-08	2.3216E-08	1.4870E-08

**DIRECTION FROM E

2.1058E-05	2.3541E-06	1.2109E-06	7.6216E-07	5.4815E-07
2.8522E-07	1.1787E-07	5.9529E-08	3.8358E-08	2.4738E-08

**DIRECTION FROM ESE

1.6159E-05	1.8093E-06	9.3178E-07	5.8693E-07	4.2228E-07
2.1989E-07	9.0986E-08	4.6000E-08	2.9663E-08	1.9142E-08

**DIRECTION FROM SE

1.5137E-05	1.6539E-06	8.5534E-07	5.3996E-07	3.8968E-07
2.0407E-07	8.4716E-08	4.2747E-08	2.7510E-08	1.7793E-08

**DIRECTION FROM SSE

1.9851E-05	2.1425E-06	1.1220E-06	7.1399E-07	5.1622E-07
2.7087E-07	1.1306E-07	5.7198E-08	3.6864E-08	2.3899E-08

**DIRECTION FROM S

2.1998E-05	2.4373E-06	1.2565E-06	7.9178E-07	5.7012E-07
2.9728E-07	1.2302E-07	6.2096E-08	3.9984E-08	2.5810E-08

**DIRECTION FROM SSW

7.5767E-06	8.8950E-07	4.4055E-07	2.7023E-07	1.9310E-07
9.9716E-08	4.0416E-08	2.0232E-08	1.2973E-08	8.2915E-09

**DIRECTION FROM SW

7.6597E-06	9.4764E-07	4.5000E-07	2.6810E-07	1.8939E-07
9.6104E-08	3.7833E-08	1.8750E-08	1.1965E-08	7.5373E-09

**DIRECTION FROM WSW

5.4091E-06	6.8635E-07	3.2460E-07	1.9292E-07	1.3583E-07
6.8486E-08	2.6843E-08	1.3340E-08	8.5341E-09	5.3570E-09

**DIRECTION FROM W

6.4163E-06	8.3311E-07	4.0039E-07	2.4052E-07	1.7012E-07
8.6469E-08	3.4406E-08	1.7244E-08	1.1095E-08	7.0106E-09

**DIRECTION FROM WNW

4.4342E-06	5.1928E-07	2.5889E-07	1.5964E-07	1.1412E-07
5.8924E-08	2.3991E-08	1.2069E-08	7.7666E-09	4.9732E-09

**DIRECTION FROM NW

3.0325E-06	3.8972E-07	1.8489E-07	1.1017E-07	7.7590E-08
3.9135E-08	1.5404E-08	7.6957E-09	4.9441E-09	3.1098E-09

**DIRECTION FROM NNW

4.8100E-06	5.8060E-07	2.6976E-07	1.5875E-07	1.1104E-07
5.5291E-08	2.1284E-08	1.0489E-08	6.6786E-09	4.1668E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

FOR RELEASE POINT 2

**DIRECTION FROM N

2.5443E-06	3.0645E-07	1.4510E-07	8.6789E-08	6.0652E-08
3.0016E-08	1.1660E-08	5.8142E-09	3.7341E-09	2.3386E-09

**DIRECTION FROM NNE

1.7664E-06	2.2154E-07	1.0295E-07	6.0399E-08	4.2364E-08
2.1244E-08	8.2060E-09	4.0380E-09	2.5684E-09	1.6042E-09

**DIRECTION FROM NE

4.6878E-06	5.5219E-07	2.7907E-07	1.7384E-07	1.2401E-07
6.3583E-08	2.5931E-08	1.3100E-08	8.4552E-09	5.4112E-09

**DIRECTION FROM ENE

4.5934E-06	5.3536E-07	2.7091E-07	1.6898E-07	1.2059E-07
6.1865E-08	2.5263E-08	1.2772E-08	8.2470E-09	5.2828E-09

**DIRECTION FROM E

7.4363E-06	8.3070E-07	4.2729E-07	2.6894E-07	1.9343E-07
1.0066E-07	4.1597E-08	2.1008E-08	1.3536E-08	8.7299E-09

**DIRECTION FROM ESE

5.6862E-06	6.3661E-07	3.2782E-07	2.0649E-07	1.4855E-07
7.7344E-08	3.2001E-08	1.6179E-08	1.0433E-08	6.7324E-09

**DIRECTION FROM SE

5.3322E-06	5.8254E-07	3.0123E-07	1.9014E-07	1.3722E-07
7.1859E-08	2.9829E-08	1.5051E-08	9.6856E-09	6.2643E-09

**DIRECTION FROM SSE

6.9668E-06	7.5210E-07	3.9381E-07	2.5056E-07	1.8115E-07
9.5045E-08	3.9668E-08	2.0067E-08	1.2933E-08	8.3839E-09

**DIRECTION FROM S

7.7110E-06	8.5415E-07	4.4029E-07	2.7744E-07	1.9977E-07
1.0417E-07	4.3109E-08	2.1758E-08	1.4010E-08	9.0437E-09

**DIRECTION FROM SSW

2.6618E-06	3.1254E-07	1.5485E-07	9.5011E-08	6.7888E-08
3.5052E-08	1.4208E-08	7.1138E-09	4.5620E-09	2.9159E-09

**DIRECTION FROM SW

2.6837E-06	3.3169E-07	1.5763E-07	9.3971E-08	6.6392E-08
3.3695E-08	1.3271E-08	6.5793E-09	4.1994E-09	2.6461E-09

**DIRECTION FROM WSW

1.8970E-06	2.4044E-07	1.1373E-07	6.7602E-08	4.7603E-08
2.4006E-08	9.4115E-09	4.6775E-09	2.9927E-09	1.8789E-09

**DIRECTION FROM W

2.2318E-06	2.8955E-07	1.3917E-07	8.3609E-08	5.9139E-08
3.0058E-08	1.1960E-08	5.9941E-09	3.8568E-09	2.4370E-09

**DIRECTION FROM WNW

1.5466E-06	1.8089E-07	9.0200E-08	5.5632E-08	3.9771E-08
2.0537E-08	8.3629E-09	4.2076E-09	2.7077E-09	1.7340E-09

**DIRECTION FROM NW

1.0803E-06	1.3858E-07	6.5818E-08	3.9254E-08	2.7650E-08
1.3949E-08	5.4946E-09	2.7463E-09	1.7648E-09	1.1105E-09

**DIRECTION FROM NNW

1.7062E-06	2.0539E-07	9.5553E-08	5.6291E-08	3.9388E-08
1.9620E-08	7.5610E-09	3.7284E-09	2.3748E-09	1.4825E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	3.7E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	3.7E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	3.7E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.4E-06	3.7E-06
GROUND	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.7E-05
TEEN	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.7E-05
CHILD	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.7E-05
INFNT	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.3E-05	2.7E-05
VEGET	PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE							
ADULT	1.2E-05	2.6E-06	1.1E-05	1.7E-05	7.2E-06	4.0E-06	3.9E-06	0.0E+00
TEEN	1.0E-05	3.0E-06	1.7E-05	2.5E-05	1.0E-05	4.1E-06	5.6E-06	0.0E+00
CHILD	9.7E-06	4.3E-06	3.9E-05	4.2E-05	1.6E-05	6.2E-06	8.5E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE							
ADULT	3.3E-08	1.3E-08	2.3E-08	4.4E-08	2.3E-08	1.7E-08	1.6E-08	0.0E+00
TEEN	1.6E-08	7.8E-09	1.9E-08	3.3E-08	1.6E-08	1.1E-08	1.1E-08	0.0E+00
CHILD	1.4E-08	9.2E-09	3.5E-08	4.3E-08	2.0E-08	1.4E-08	1.3E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE							
ADULT	8.0E-07	1.1E-07	7.9E-07	1.2E-06	4.6E-07	6.1E-07	2.1E-07	0.0E+00
TEEN	7.9E-07	1.4E-07	1.4E-06	2.0E-06	7.7E-07	9.3E-07	3.6E-07	0.0E+00
CHILD	6.7E-07	2.0E-07	3.5E-06	3.5E-06	1.3E-06	1.8E-06	5.6E-07	0.0E+00
INFNT	7.3E-07	2.9E-07	5.5E-06	6.7E-06	2.0E-06	4.2E-06	9.7E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE							
ADULT	2.3E-06	2.4E-07	2.4E-06	3.4E-06	1.3E-06	8.0E-07	5.4E-07	0.0E+00
TEEN	2.2E-06	3.1E-07	4.3E-06	6.0E-06	2.2E-06	1.2E-06	9.8E-07	0.0E+00
CHILD	1.8E-06	4.2E-07	1.0E-05	1.0E-05	3.6E-06	2.3E-06	1.5E-06	0.0E+00
INFNT	1.9E-06	6.0E-07	1.7E-05	2.0E-05	5.8E-06	5.3E-06	2.7E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	2.1E-06	1.8E-06	3.7E-07	2.2E-06	1.9E-06	2.3E-06	1.8E-06	0.0E+00
TEEN	2.0E-06	1.8E-06	5.2E-07	2.4E-06	2.0E-06	2.4E-06	1.9E-06	0.0E+00
CHILD	1.7E-06	1.6E-06	7.0E-07	2.2E-06	1.8E-06	2.3E-06	1.7E-06	0.0E+00
INFNT	9.3E-07	9.0E-07	4.3E-07	1.4E-06	1.0E-06	1.5E-06	9.8E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.0E-05	2.8E-05	3.7E-05	4.7E-05	3.4E-05	3.1E-05	3.0E-05	2.7E-05
TEEN	3.9E-05	2.8E-05	4.6E-05	5.9E-05	3.8E-05	3.2E-05	3.2E-05	2.7E-05
CHILD	3.7E-05	3.0E-05	7.7E-05	8.1E-05	4.6E-05	3.6E-05	3.5E-05	2.7E-05
INFNT	2.7E-05	2.5E-05	4.6E-05	5.1E-05	3.2E-05	3.4E-05	2.8E-05	2.7E-05
TOTALS								
ADULT	4.1E-05	2.9E-05	3.8E-05	4.8E-05	3.5E-05	3.2E-05	3.1E-05	3.1E-05
TEEN	4.0E-05	3.0E-05	4.7E-05	6.0E-05	4.0E-05	3.3E-05	3.3E-05	3.1E-05
CHILD	3.8E-05	3.1E-05	7.8E-05	8.3E-05	4.8E-05	3.7E-05	3.7E-05	3.1E-05
INFNT	2.8E-05	2.6E-05	4.7E-05	5.3E-05	3.3E-05	3.5E-05	2.9E-05	3.1E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
TEEN	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
CHILD	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
INFNT	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.0E-06	1.1E-05
GROUND	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
TEEN	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
CHILD	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
INFNT	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	5.0E-05
VEGET	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	6.3E-07	2.8E-07	4.0E-07	8.2E-07	4.5E-07	3.3E-07	3.3E-07	0.0E+00
TEEN	6.0E-07	3.2E-07	6.3E-07	1.2E-06	5.9E-07	3.6E-07	4.2E-07	0.0E+00
CHILD	6.9E-07	4.8E-07	1.5E-06	1.9E-06	9.4E-07	5.5E-07	6.4E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	7.4E-08	4.0E-08	4.0E-08	9.3E-08	5.7E-08	4.6E-08	4.4E-08	0.0E+00
TEEN	3.8E-08	2.4E-08	3.3E-08	6.7E-08	3.8E-08	2.8E-08	2.9E-08	0.0E+00
CHILD	3.6E-08	2.8E-08	6.0E-08	8.6E-08	4.7E-08	3.6E-08	3.4E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	1.6E-06	3.1E-07	1.5E-06	2.3E-06	9.5E-07	1.2E-06	4.9E-07	0.0E+00
TEEN	1.6E-06	4.0E-07	2.6E-06	3.9E-06	1.5E-06	1.8E-06	8.1E-07	0.0E+00
CHILD	1.5E-06	5.9E-07	6.3E-06	6.6E-06	2.5E-06	3.4E-06	1.3E-06	0.0E+00
INFNT	1.7E-06	8.7E-07	1.0E-05	1.3E-05	4.0E-06	7.8E-06	2.1E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	4.5E-06	6.6E-07	4.3E-06	6.5E-06	2.6E-06	1.6E-06	1.2E-06	0.0E+00
TEEN	4.4E-06	8.6E-07	7.9E-06	1.1E-05	4.3E-06	2.4E-06	2.1E-06	0.0E+00
CHILD	3.8E-06	1.2E-06	1.9E-05	1.9E-05	7.1E-06	4.6E-06	3.2E-06	0.0E+00
INFNT	4.3E-06	1.8E-06	3.0E-05	3.7E-05	1.1E-05	1.0E-05	5.6E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	6.7E-06	5.7E-06	1.1E-06	7.1E-06	6.2E-06	7.2E-06	5.9E-06	0.0E+00
TEEN	6.4E-06	5.7E-06	1.5E-06	7.6E-06	6.4E-06	7.6E-06	6.1E-06	0.0E+00
CHILD	5.4E-06	5.1E-06	2.0E-06	6.9E-06	5.7E-06	7.2E-06	5.4E-06	0.0E+00
INFNT	3.0E-06	2.9E-06	1.2E-06	4.3E-06	3.3E-06	4.8E-06	3.1E-06	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	5.6E-05	4.9E-05	5.0E-05	5.9E-05	5.3E-05	5.3E-05	5.0E-05	5.0E-05
TEEN	5.5E-05	5.0E-05	5.5E-05	6.6E-05	5.5E-05	5.5E-05	5.2E-05	5.0E-05
CHILD	5.4E-05	5.0E-05	7.1E-05	7.7E-05	5.9E-05	5.8E-05	5.3E-05	5.0E-05
INFNT	5.1E-05	4.8E-05	8.4E-05	9.7E-05	6.1E-05	6.5E-05	5.3E-05	5.0E-05
TOTALS								
ADULT	6.0E-05	5.3E-05	5.3E-05	6.3E-05	5.6E-05	5.7E-05	5.4E-05	6.0E-05
TEEN	5.9E-05	5.4E-05	5.9E-05	7.0E-05	5.9E-05	5.8E-05	5.6E-05	6.0E-05
CHILD	5.8E-05	5.4E-05	7.5E-05	8.1E-05	6.2E-05	6.2E-05	5.7E-05	6.0E-05
INFNT	5.5E-05	5.2E-05	8.8E-05	1.0E-04	6.5E-05	6.9E-05	5.7E-05	6.0E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
TEEN	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
CHILD	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
INFNT	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	8.0E-07	2.1E-06
GROUND	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.9E-05
TEEN	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.9E-05
CHILD	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.9E-05
INFNT	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.9E-05
VEGET	PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE							
ADULT	8.9E-06	1.1E-06	9.0E-06	1.3E-05	5.0E-06	2.3E-06	2.2E-06	0.0E+00
TEEN	7.6E-06	1.3E-06	1.4E-05	2.0E-05	7.5E-06	2.2E-06	3.5E-06	0.0E+00
CHILD	6.3E-06	1.7E-06	3.4E-05	3.4E-05	1.2E-05	3.4E-06	5.3E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE							
ADULT	3.4E-08	7.9E-09	3.0E-08	4.9E-08	2.1E-08	1.3E-08	1.2E-08	0.0E+00
TEEN	1.6E-08	4.7E-09	2.5E-08	3.8E-08	1.6E-08	8.6E-09	8.5E-09	0.0E+00
CHILD	1.2E-08	5.3E-09	4.6E-08	4.9E-08	1.9E-08	1.2E-08	1.0E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	9.8E-07	7.9E-08	1.0E-06	1.5E-06	5.3E-07	7.4E-07	2.1E-07	0.0E+00
TEEN	9.4E-07	1.0E-07	1.9E-06	2.6E-06	9.2E-07	1.2E-06	3.9E-07	0.0E+00
CHILD	7.5E-07	1.3E-07	4.5E-06	4.4E-06	1.5E-06	2.3E-06	6.1E-07	0.0E+00
INFNT	7.6E-07	1.8E-07	7.2E-06	8.6E-06	2.4E-06	5.4E-06	1.1E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	2.9E-06	1.8E-07	3.1E-06	4.4E-06	1.5E-06	9.3E-07	5.8E-07	0.0E+00
TEEN	2.8E-06	2.4E-07	5.6E-06	7.7E-06	2.7E-06	1.4E-06	1.1E-06	0.0E+00
CHILD	2.1E-06	2.8E-07	1.4E-05	1.3E-05	4.5E-06	2.8E-06	1.7E-06	0.0E+00
INFNT	2.1E-06	3.9E-07	2.2E-05	2.6E-05	7.1E-06	6.6E-06	3.1E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	7.3E-07	5.5E-07	2.0E-07	8.1E-07	6.4E-07	8.3E-07	5.9E-07	0.0E+00
TEEN	6.8E-07	5.5E-07	2.8E-07	9.1E-07	6.8E-07	9.0E-07	6.2E-07	0.0E+00
CHILD	5.4E-07	4.9E-07	3.8E-07	8.3E-07	6.1E-07	8.7E-07	5.5E-07	0.0E+00
INFNT	3.0E-07	2.8E-07	2.3E-07	5.4E-07	3.5E-07	6.3E-07	3.2E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.0E-05	1.9E-05	3.0E-05	3.7E-05	2.4E-05	2.2E-05	2.0E-05	1.9E-05
TEEN	2.9E-05	1.9E-05	3.9E-05	4.8E-05	2.8E-05	2.2E-05	2.2E-05	1.9E-05
CHILD	2.6E-05	1.9E-05	6.9E-05	6.9E-05	3.5E-05	2.6E-05	2.5E-05	1.9E-05
INFNT	2.0E-05	1.8E-05	4.6E-05	5.2E-05	2.7E-05	2.9E-05	2.1E-05	1.9E-05
TOTALS								
ADULT	3.1E-05	1.9E-05	3.1E-05	3.7E-05	2.5E-05	2.2E-05	2.1E-05	2.2E-05
TEEN	2.9E-05	2.0E-05	3.9E-05	4.9E-05	2.9E-05	2.3E-05	2.3E-05	2.2E-05
CHILD	2.7E-05	2.0E-05	7.0E-05	7.0E-05	3.6E-05	2.7E-05	2.6E-05	2.2E-05
INFNT	2.1E-05	1.8E-05	4.6E-05	5.2E-05	2.7E-05	3.0E-05	2.2E-05	2.2E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	5.8E-07
TEEN	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	5.8E-07
CHILD	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	5.8E-07
INFNT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	5.8E-07
GROUND	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.2E-06
TEEN	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.2E-06
CHILD	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.2E-06
INFNT	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	5.2E-06
VEGET	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	2.8E-06	4.8E-07	2.6E-06	4.0E-06	1.6E-06	8.4E-07	8.0E-07	0.0E+00
TEEN	2.4E-06	5.5E-07	4.1E-06	6.0E-06	2.3E-06	8.2E-07	1.2E-06	0.0E+00
CHILD	2.1E-06	7.7E-07	9.8E-06	1.0E-05	3.8E-06	1.3E-06	1.8E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE							
ADULT	9.2E-08	2.3E-08	8.0E-08	1.3E-07	5.7E-08	3.7E-08	3.2E-08	0.0E+00
TEEN	4.3E-08	1.3E-08	6.6E-08	1.0E-07	4.2E-08	2.4E-08	2.4E-08	0.0E+00
CHILD	3.2E-08	1.5E-08	1.2E-07	1.3E-07	5.3E-08	3.3E-08	2.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	7.5E-07	7.5E-08	7.7E-07	1.1E-06	4.1E-07	5.8E-07	1.7E-07	0.0E+00
TEEN	7.3E-07	9.8E-08	1.4E-06	1.9E-06	7.1E-07	8.9E-07	3.2E-07	0.0E+00
CHILD	5.9E-07	1.3E-07	3.4E-06	3.3E-06	1.2E-06	1.7E-06	4.9E-07	0.0E+00
INFNT	6.2E-07	1.9E-07	5.4E-06	6.5E-06	1.9E-06	4.1E-06	8.5E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	2.2E-06	1.7E-07	2.3E-06	3.3E-06	1.2E-06	7.3E-07	4.7E-07	0.0E+00
TEEN	2.1E-06	2.2E-07	4.2E-06	5.8E-06	2.0E-06	1.1E-06	8.8E-07	0.0E+00
CHILD	1.7E-06	2.8E-07	1.0E-05	9.9E-06	3.4E-06	2.2E-06	1.4E-06	0.0E+00
INFNT	1.7E-06	4.0E-07	1.6E-05	1.9E-05	5.4E-06	5.1E-06	2.4E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	2.9E-07	2.4E-07	5.3E-08	3.1E-07	2.7E-07	3.2E-07	2.5E-07	0.0E+00
TEEN	2.8E-07	2.5E-07	7.4E-08	3.4E-07	2.8E-07	3.4E-07	2.6E-07	0.0E+00
CHILD	2.3E-07	2.2E-07	1.0E-07	3.1E-07	2.5E-07	3.3E-07	2.3E-07	0.0E+00
INFNT	1.3E-07	1.2E-07	6.0E-08	1.9E-07	1.4E-07	2.2E-07	1.3E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.1E-05	5.4E-06	1.0E-05	1.3E-05	8.0E-06	7.0E-06	6.2E-06	5.2E-06
TEEN	1.0E-05	5.6E-06	1.4E-05	1.9E-05	9.9E-06	7.7E-06	7.1E-06	5.2E-06
CHILD	9.1E-06	5.9E-06	2.8E-05	2.8E-05	1.3E-05	1.0E-05	8.4E-06	5.2E-06
INFNT	6.9E-06	5.2E-06	2.6E-05	3.0E-05	1.2E-05	1.4E-05	7.8E-06	5.2E-06
TOTALS								
ADULT	1.1E-05	5.6E-06	1.0E-05	1.3E-05	8.2E-06	7.2E-06	6.4E-06	5.8E-06
TEEN	1.0E-05	5.8E-06	1.5E-05	1.9E-05	1.0E-05	7.9E-06	7.3E-06	5.8E-06
CHILD	9.3E-06	6.1E-06	2.8E-05	2.8E-05	1.3E-05	1.0E-05	8.6E-06	5.8E-06
INFNT	7.1E-06	5.4E-06	2.6E-05	3.1E-05	1.2E-05	1.4E-05	8.0E-06	5.8E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.8E-07	7.5E-07
TEEN	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.8E-07	7.5E-07
CHILD	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.8E-07	7.5E-07
INFNT	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.8E-07	7.5E-07
GROUND PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.4E-06
TEEN	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.4E-06
CHILD	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.4E-06
INFNT	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	4.4E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	2.3E-06	2.0E-07	2.4E-06	3.5E-06	1.3E-06	5.3E-07	5.0E-07	0.0E+00
TEEN	1.9E-06	2.3E-07	3.9E-06	5.3E-06	1.9E-06	4.8E-07	8.3E-07	0.0E+00
CHILD	1.5E-06	2.9E-07	9.1E-06	9.0E-06	3.1E-06	7.3E-07	1.3E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	2.3E-08	3.3E-09	2.3E-08	3.4E-08	1.3E-08	7.1E-09	6.0E-09	0.0E+00
TEEN	1.0E-08	1.9E-09	1.9E-08	2.7E-08	1.0E-08	4.8E-09	4.8E-09	0.0E+00
CHILD	6.8E-09	2.0E-09	3.5E-08	3.5E-08	1.3E-08	6.8E-09	5.7E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	5.8E-07	3.3E-08	6.3E-07	8.8E-07	3.1E-07	4.3E-07	1.1E-07	0.0E+00
TEEN	5.5E-07	4.3E-08	1.1E-06	1.5E-06	5.4E-07	6.7E-07	2.2E-07	0.0E+00
CHILD	4.2E-07	4.8E-08	2.7E-06	2.7E-06	8.9E-07	1.3E-06	3.4E-07	0.0E+00
INFNT	4.1E-07	6.4E-08	4.4E-06	5.2E-06	1.4E-06	3.2E-06	6.0E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	1.7E-06	8.1E-08	1.9E-06	2.6E-06	9.1E-07	5.2E-07	3.2E-07	0.0E+00
TEEN	1.6E-06	1.1E-07	3.4E-06	4.6E-06	1.6E-06	8.2E-07	6.4E-07	0.0E+00
CHILD	1.2E-06	1.1E-07	8.2E-06	8.0E-06	2.6E-06	1.6E-06	9.9E-07	0.0E+00
INFNT	1.2E-06	1.4E-07	1.3E-05	1.5E-05	4.2E-06	3.8E-06	1.8E-06	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	1.3E-07	7.2E-08	6.4E-08	1.5E-07	1.0E-07	1.7E-07	8.4E-08	0.0E+00
TEEN	1.1E-07	7.3E-08	8.9E-08	1.8E-07	1.1E-07	1.9E-07	9.3E-08	0.0E+00
CHILD	8.0E-08	6.3E-08	1.2E-07	1.7E-07	1.0E-07	2.0E-07	8.1E-08	0.0E+00
INFNT	4.2E-08	3.6E-08	7.3E-08	1.2E-07	5.9E-08	1.6E-07	4.9E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	8.5E-06	4.1E-06	8.8E-06	1.1E-05	6.3E-06	5.4E-06	4.8E-06	4.4E-06
TEEN	8.0E-06	4.2E-06	1.2E-05	1.5E-05	7.9E-06	5.9E-06	5.5E-06	4.4E-06
CHILD	7.0E-06	4.2E-06	2.4E-05	2.4E-05	1.0E-05	7.6E-06	6.4E-06	4.4E-06
INFNT	5.4E-06	4.0E-06	2.1E-05	2.5E-05	9.4E-06	1.1E-05	6.1E-06	4.4E-06
TOTALS								
ADULT	8.8E-06	4.4E-06	9.0E-06	1.1E-05	6.6E-06	5.6E-06	5.0E-06	5.1E-06
TEEN	8.3E-06	4.4E-06	1.3E-05	1.6E-05	8.2E-06	6.2E-06	5.8E-06	5.1E-06
CHILD	7.3E-06	4.5E-06	2.4E-05	2.4E-05	1.1E-05	7.8E-06	6.7E-06	5.1E-06
INFNT	5.6E-06	4.2E-06	2.2E-05	2.5E-05	9.7E-06	1.1E-05	6.4E-06	5.1E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE							
ADULT	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.2E-07
TEEN	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.2E-07
CHILD	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.2E-07
INFNT	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	1.9E-07	2.0E-07	5.2E-07
GROUND	PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE							
ADULT	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
TEEN	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
CHILD	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
INFNT	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	2.8E-06	3.3E-06
VEGET	PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE							
ADULT	1.9E-06	3.5E-07	1.8E-06	2.8E-06	1.1E-06	5.6E-07	5.8E-07	0.0E+00
TEEN	1.7E-06	4.0E-07	2.9E-06	4.2E-06	1.7E-06	5.6E-07	8.5E-07	0.0E+00
CHILD	1.5E-06	5.6E-07	6.9E-06	7.1E-06	2.7E-06	8.6E-07	1.3E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE							
ADULT	1.1E-07	2.6E-08	9.3E-08	1.5E-07	6.6E-08	3.9E-08	3.7E-08	0.0E+00
TEEN	4.9E-08	1.5E-08	7.7E-08	1.2E-07	4.8E-08	2.5E-08	2.7E-08	0.0E+00
CHILD	3.6E-08	1.7E-08	1.4E-07	1.5E-07	6.1E-08	3.4E-08	3.2E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE							
ADULT	4.3E-07	4.4E-08	4.4E-07	6.3E-07	2.4E-07	2.9E-07	9.9E-08	0.0E+00
TEEN	4.1E-07	5.8E-08	7.9E-07	1.1E-06	4.0E-07	4.5E-07	1.8E-07	0.0E+00
CHILD	3.4E-07	7.8E-08	1.9E-06	1.9E-06	6.7E-07	8.7E-07	2.8E-07	0.0E+00
INFNT	3.6E-07	1.1E-07	3.0E-06	3.7E-06	1.1E-06	2.1E-06	4.9E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE							
ADULT	1.2E-06	1.0E-07	1.3E-06	1.9E-06	6.8E-07	3.7E-07	2.7E-07	0.0E+00
TEEN	1.2E-06	1.3E-07	2.4E-06	3.3E-06	1.2E-06	5.7E-07	5.0E-07	0.0E+00
CHILD	9.5E-07	1.7E-07	5.7E-06	5.6E-06	1.9E-06	1.1E-06	7.8E-07	0.0E+00
INFNT	9.7E-07	2.4E-07	9.1E-06	1.1E-05	3.1E-06	2.6E-06	1.4E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE							
ADULT	2.0E-07	1.6E-07	4.7E-08	2.2E-07	1.8E-07	2.3E-07	1.7E-07	0.0E+00
TEEN	1.9E-07	1.6E-07	6.6E-08	2.4E-07	1.9E-07	2.5E-07	1.8E-07	0.0E+00
CHILD	1.6E-07	1.4E-07	8.9E-08	2.2E-07	1.7E-07	2.4E-07	1.6E-07	0.0E+00
INFNT	8.7E-08	8.2E-08	5.4E-08	1.4E-07	9.9E-08	1.7E-07	9.2E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	6.7E-06	3.5E-06	6.5E-06	8.5E-06	5.1E-06	4.3E-06	3.9E-06	3.3E-06
TEEN	6.3E-06	3.5E-06	9.0E-06	1.2E-05	6.2E-06	4.6E-06	4.5E-06	3.3E-06
CHILD	5.8E-06	3.8E-06	1.7E-05	1.8E-05	8.3E-06	5.9E-06	5.3E-06	3.3E-06
INFNT	4.2E-06	3.2E-06	1.5E-05	1.8E-05	7.0E-06	7.6E-06	4.7E-06	3.3E-06
TOTALS								
ADULT	6.9E-06	3.7E-06	6.7E-06	8.6E-06	5.3E-06	4.5E-06	4.1E-06	3.8E-06
TEEN	6.5E-06	3.7E-06	9.2E-06	1.2E-05	6.4E-06	4.8E-06	4.7E-06	3.8E-06
CHILD	5.9E-06	3.9E-06	1.8E-05	1.8E-05	8.5E-06	6.1E-06	5.5E-06	3.8E-06
INFNT	4.4E-06	3.4E-06	1.5E-05	1.8E-05	7.2E-06	7.7E-06	4.9E-06	3.8E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	6.2E-07
TEEN	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	6.2E-07
CHILD	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	6.2E-07
INFNT	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.2E-07	2.3E-07	6.2E-07
GROUND	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	5.0E-06
TEEN	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	5.0E-06
CHILD	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	5.0E-06
INFNT	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	4.3E-06	5.0E-06
VEGET	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	4.2E-06	7.0E-07	4.0E-06	6.0E-06	2.4E-06	1.0E-06	1.2E-06	0.0E+00
TEEN	3.6E-06	8.0E-07	6.3E-06	9.1E-06	3.5E-06	1.1E-06	1.8E-06	0.0E+00
CHILD	3.2E-06	1.1E-06	1.5E-05	1.5E-05	5.7E-06	1.6E-06	2.7E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE							
ADULT	3.6E-08	9.6E-09	3.0E-08	5.0E-08	2.3E-08	1.3E-08	1.3E-08	0.0E+00
TEEN	1.7E-08	5.7E-09	2.5E-08	3.9E-08	1.7E-08	8.2E-09	9.5E-09	0.0E+00
CHILD	1.3E-08	6.5E-09	4.6E-08	5.1E-08	2.1E-08	1.1E-08	1.1E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE							
ADULT	3.5E-07	3.7E-08	3.6E-07	5.3E-07	2.0E-07	2.0E-07	8.3E-08	0.0E+00
TEEN	3.4E-07	4.8E-08	6.5E-07	9.1E-07	3.3E-07	3.0E-07	1.5E-07	0.0E+00
CHILD	2.8E-07	6.5E-08	1.6E-06	1.6E-06	5.5E-07	5.9E-07	2.3E-07	0.0E+00
INFNT	3.0E-07	9.3E-08	2.5E-06	3.0E-06	8.8E-07	1.4E-06	4.1E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE							
ADULT	1.0E-06	8.4E-08	1.1E-06	1.5E-06	5.6E-07	2.6E-07	2.2E-07	0.0E+00
TEEN	1.0E-06	1.1E-07	2.0E-06	2.7E-06	9.7E-07	3.9E-07	4.2E-07	0.0E+00
CHILD	7.9E-07	1.4E-07	4.7E-06	4.7E-06	1.6E-06	7.5E-07	6.4E-07	0.0E+00
INFNT	8.1E-07	2.0E-07	7.5E-06	9.1E-06	2.6E-06	1.7E-06	1.1E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	2.9E-07	2.4E-07	6.4E-08	3.2E-07	2.6E-07	3.0E-07	2.5E-07	0.0E+00
TEEN	2.8E-07	2.4E-07	8.9E-08	3.5E-07	2.8E-07	3.2E-07	2.6E-07	0.0E+00
CHILD	2.2E-07	2.1E-07	1.2E-07	3.2E-07	2.5E-07	3.0E-07	2.3E-07	0.0E+00
INFNT	1.3E-07	1.2E-07	7.3E-08	2.0E-07	1.4E-07	2.1E-07	1.3E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.0E-05	5.3E-06	9.7E-06	1.3E-05	7.7E-06	6.1E-06	6.0E-06	5.0E-06
TEEN	9.5E-06	5.5E-06	1.3E-05	1.7E-05	9.4E-06	6.3E-06	6.9E-06	5.0E-06
CHILD	8.7E-06	5.8E-06	2.6E-05	2.6E-05	1.2E-05	7.5E-06	8.1E-06	5.0E-06
INFNT	5.5E-06	4.7E-06	1.4E-05	1.7E-05	7.8E-06	7.6E-06	5.9E-06	5.0E-06
TOTALS								
ADULT	1.0E-05	5.5E-06	1.0E-05	1.3E-05	8.0E-06	6.3E-06	6.3E-06	5.6E-06
TEEN	9.7E-06	5.7E-06	1.3E-05	1.8E-05	9.6E-06	6.6E-06	7.1E-06	5.6E-06
CHILD	9.0E-06	6.0E-06	2.6E-05	2.6E-05	1.3E-05	7.7E-06	8.3E-06	5.6E-06
INFNT	5.7E-06	4.9E-06	1.5E-05	1.7E-05	8.1E-06	7.8E-06	6.2E-06	5.6E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.4E-07	6.4E-07
TEEN	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.4E-07	6.4E-07
CHILD	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.4E-07	6.4E-07
INFNT	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.3E-07	2.4E-07	6.4E-07
GROUND PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	7.4E-06
TEEN	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	7.4E-06
CHILD	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	7.4E-06
INFNT	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	7.4E-06
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	7.3E-06	1.1E-06	7.0E-06	1.1E-05	4.2E-06	1.8E-06	2.0E-06	0.0E+00
TEEN	6.3E-06	1.3E-06	1.1E-05	1.6E-05	6.1E-06	1.8E-06	3.0E-06	0.0E+00
CHILD	5.4E-06	1.7E-06	2.6E-05	2.7E-05	9.8E-06	2.7E-06	4.5E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	7.6E-07	1.5E-07	7.0E-07	1.1E-06	4.5E-07	2.4E-07	2.4E-07	0.0E+00
TEEN	3.5E-07	9.1E-08	5.8E-07	8.5E-07	3.4E-07	1.5E-07	1.8E-07	0.0E+00
CHILD	2.5E-07	1.0E-07	1.1E-06	1.1E-06	4.3E-07	2.1E-07	2.1E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	8.3E-07	7.3E-08	8.6E-07	1.2E-06	4.5E-07	4.9E-07	1.8E-07	0.0E+00
TEEN	8.0E-07	9.5E-08	1.6E-06	2.2E-06	7.8E-07	7.6E-07	3.4E-07	0.0E+00
CHILD	6.4E-07	1.2E-07	3.8E-06	3.7E-06	1.3E-06	1.5E-06	5.2E-07	0.0E+00
INFNT	6.6E-07	1.7E-07	6.0E-06	7.2E-06	2.1E-06	3.5E-06	9.2E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	2.5E-06	1.7E-07	2.6E-06	3.7E-06	1.3E-06	6.3E-07	5.0E-07	0.0E+00
TEEN	2.3E-06	2.2E-07	4.7E-06	6.4E-06	2.3E-06	9.6E-07	9.6E-07	0.0E+00
CHILD	1.8E-06	2.7E-07	1.1E-05	1.1E-05	3.8E-06	1.8E-06	1.5E-06	0.0E+00
INFNT	1.8E-06	3.8E-07	1.8E-05	2.2E-05	6.0E-06	4.3E-06	2.6E-06	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	3.5E-07	3.0E-07	6.4E-08	3.8E-07	3.2E-07	3.7E-07	3.1E-07	0.0E+00
TEEN	3.4E-07	3.0E-07	8.9E-08	4.1E-07	3.4E-07	3.9E-07	3.2E-07	0.0E+00
CHILD	2.8E-07	2.6E-07	1.2E-07	3.7E-07	3.0E-07	3.7E-07	2.8E-07	0.0E+00
INFNT	1.6E-07	1.5E-07	7.3E-08	2.3E-07	1.7E-07	2.5E-07	1.6E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.8E-05	8.2E-06	1.8E-05	2.3E-05	1.3E-05	9.9E-06	9.6E-06	7.4E-06
TEEN	1.6E-05	8.3E-06	2.4E-05	3.2E-05	1.6E-05	1.0E-05	1.1E-05	7.4E-06
CHILD	1.5E-05	8.9E-06	4.9E-05	5.0E-05	2.2E-05	1.3E-05	1.3E-05	7.4E-06
INFNT	9.0E-06	7.1E-06	3.0E-05	3.5E-05	1.5E-05	1.4E-05	1.0E-05	7.4E-06
TOTALS								
ADULT	1.8E-05	8.4E-06	1.8E-05	2.4E-05	1.3E-05	1.0E-05	9.8E-06	8.1E-06
TEEN	1.7E-05	8.5E-06	2.5E-05	3.2E-05	1.6E-05	1.1E-05	1.1E-05	8.1E-06
CHILD	1.5E-05	9.1E-06	4.9E-05	5.0E-05	2.2E-05	1.3E-05	1.4E-05	8.1E-06
INFNT	9.2E-06	7.3E-06	3.1E-05	3.6E-05	1.5E-05	1.5E-05	1.0E-05	8.1E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.2E-07	1.7E-06
TEEN	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.2E-07	1.7E-06
CHILD	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.2E-07	1.7E-06
INFNT	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.2E-07	1.7E-06
GROUND	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.3E-05
TEEN	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.3E-05
CHILD	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.3E-05
INFNT	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.3E-05
VEGET	PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S							
ADULT	1.7E-05	2.6E-06	1.7E-05	2.5E-05	1.0E-05	4.5E-06	4.7E-06	0.0E+00
TEEN	1.5E-05	3.0E-06	2.7E-05	3.8E-05	1.5E-05	4.4E-06	7.1E-06	0.0E+00
CHILD	1.3E-05	4.1E-06	6.3E-05	6.5E-05	2.4E-05	6.7E-06	1.1E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S							
ADULT	7.1E-08	1.8E-08	6.1E-08	1.0E-07	4.4E-08	2.6E-08	2.5E-08	0.0E+00
TEEN	3.3E-08	1.0E-08	5.1E-08	7.8E-08	3.2E-08	1.7E-08	1.8E-08	0.0E+00
CHILD	2.5E-08	1.2E-08	9.4E-08	1.0E-07	4.1E-08	2.3E-08	2.2E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	1.4E-06	1.2E-07	1.4E-06	2.0E-06	7.4E-07	8.6E-07	3.0E-07	0.0E+00
TEEN	1.3E-06	1.6E-07	2.5E-06	3.5E-06	1.3E-06	1.3E-06	5.6E-07	0.0E+00
CHILD	1.0E-06	2.1E-07	6.1E-06	6.0E-06	2.1E-06	2.6E-06	8.6E-07	0.0E+00
INFNT	1.1E-06	3.0E-07	9.7E-06	1.2E-05	3.3E-06	6.2E-06	1.5E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	4.0E-06	2.8E-07	4.2E-06	5.9E-06	2.1E-06	1.1E-06	8.2E-07	0.0E+00
TEEN	3.8E-06	3.7E-07	7.6E-06	1.0E-05	3.7E-06	1.7E-06	1.6E-06	0.0E+00
CHILD	3.0E-06	4.6E-07	1.8E-05	1.8E-05	6.1E-06	3.3E-06	2.4E-06	0.0E+00
INFNT	3.0E-06	6.4E-07	2.9E-05	3.5E-05	9.7E-06	7.6E-06	4.2E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	1.0E-06	9.0E-07	1.7E-07	1.1E-06	9.8E-07	1.1E-06	9.3E-07	0.0E+00
TEEN	1.0E-06	9.0E-07	2.4E-07	1.2E-06	1.0E-06	1.2E-06	9.6E-07	0.0E+00
CHILD	8.4E-07	8.0E-07	3.2E-07	1.1E-06	9.0E-07	1.1E-06	8.5E-07	0.0E+00
INFNT	4.7E-07	4.6E-07	1.9E-07	6.8E-07	5.2E-07	7.4E-07	4.9E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.3E-05	2.3E-05	4.2E-05	5.4E-05	3.3E-05	2.7E-05	2.6E-05	2.3E-05
TEEN	4.1E-05	2.4E-05	5.6E-05	7.3E-05	4.0E-05	2.8E-05	3.0E-05	2.3E-05
CHILD	3.7E-05	2.5E-05	1.1E-04	1.1E-04	5.2E-05	3.3E-05	3.4E-05	2.3E-05
INFNT	2.4E-05	2.1E-05	5.8E-05	6.7E-05	3.3E-05	3.4E-05	2.6E-05	2.3E-05
TOTALS								
ADULT	4.4E-05	2.4E-05	4.3E-05	5.4E-05	3.4E-05	2.8E-05	2.7E-05	2.4E-05
TEEN	4.1E-05	2.4E-05	5.7E-05	7.3E-05	4.1E-05	2.9E-05	3.0E-05	2.4E-05
CHILD	3.8E-05	2.6E-05	1.1E-04	1.1E-04	5.3E-05	3.4E-05	3.5E-05	2.4E-05
INFNT	2.5E-05	2.1E-05	5.9E-05	6.7E-05	3.4E-05	3.5E-05	2.6E-05	2.4E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 7 1 1 THRU 89 93024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
TEEN	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
CHILD	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
INFNT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
GROUND	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.5E-05
TEEN	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.5E-05
CHILD	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.5E-05
INFNT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.5E-05
VEGET	PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW							
ADULT	1.3E-05	3.2E-06	1.1E-05	1.8E-05	8.2E-06	4.3E-06	4.6E-06	0.0E+00
TEEN	1.2E-05	3.7E-06	1.8E-05	2.7E-05	1.1E-05	4.4E-06	6.5E-06	0.0E+00
CHILD	1.1E-05	5.4E-06	4.2E-05	4.6E-05	1.8E-05	6.8E-06	9.9E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW							
ADULT	3.3E-08	1.4E-08	2.1E-08	4.2E-08	2.3E-08	1.6E-08	1.7E-08	0.0E+00
TEEN	1.6E-08	8.3E-09	1.7E-08	3.1E-08	1.6E-08	1.0E-08	1.1E-08	0.0E+00
CHILD	1.4E-08	9.8E-09	3.2E-08	4.1E-08	2.0E-08	1.3E-08	1.3E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	8.1E-07	1.2E-07	7.7E-07	1.2E-06	4.6E-07	4.8E-07	2.2E-07	0.0E+00
TEEN	8.0E-07	1.6E-07	1.4E-06	2.0E-06	7.7E-07	7.2E-07	3.8E-07	0.0E+00
CHILD	6.9E-07	2.3E-07	3.4E-06	3.5E-06	1.3E-06	1.4E-06	5.9E-07	0.0E+00
INFNT	7.7E-07	3.3E-07	5.3E-06	6.6E-06	2.0E-06	3.2E-06	1.0E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	2.3E-06	2.7E-07	2.3E-06	3.4E-06	1.3E-06	6.5E-07	5.7E-07	0.0E+00
TEEN	2.3E-06	3.5E-07	4.2E-06	5.9E-06	2.2E-06	9.8E-07	1.0E-06	0.0E+00
CHILD	1.9E-06	4.8E-07	1.0E-05	1.0E-05	3.6E-06	1.8E-06	1.6E-06	0.0E+00
INFNT	2.0E-06	7.0E-07	1.6E-05	2.0E-05	5.7E-06	4.1E-06	2.7E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.3E-06	1.2E-06	1.5E-07	1.4E-06	1.3E-06	1.3E-06	1.2E-06	0.0E+00
TEEN	1.3E-06	1.2E-06	2.2E-07	1.5E-06	1.3E-06	1.4E-06	1.2E-06	0.0E+00
CHILD	1.1E-06	1.1E-06	2.9E-07	1.3E-06	1.1E-06	1.3E-06	1.1E-06	0.0E+00
INFNT	6.2E-07	6.0E-07	1.8E-07	8.0E-07	6.6E-07	8.1E-07	6.4E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.0E-05	1.7E-05	2.7E-05	3.7E-05	2.4E-05	1.9E-05	1.9E-05	1.5E-05
TEEN	2.9E-05	1.8E-05	3.6E-05	4.9E-05	2.8E-05	2.0E-05	2.2E-05	1.5E-05
CHILD	2.7E-05	2.0E-05	6.8E-05	7.3E-05	3.7E-05	2.4E-05	2.6E-05	1.5E-05
INFNT	1.6E-05	1.4E-05	3.4E-05	4.0E-05	2.1E-05	2.0E-05	1.7E-05	1.5E-05
TOTALS								
ADULT	3.1E-05	1.8E-05	2.7E-05	3.7E-05	2.4E-05	2.0E-05	2.0E-05	1.6E-05
TEEN	2.9E-05	1.8E-05	3.6E-05	5.0E-05	2.9E-05	2.0E-05	2.2E-05	1.6E-05
CHILD	2.8E-05	2.0E-05	6.9E-05	7.4E-05	3.7E-05	2.4E-05	2.6E-05	1.6E-05
INFNT	1.6E-05	1.5E-05	3.4E-05	4.0E-05	2.1E-05	2.1E-05	1.7E-05	1.6E-05

APPENDIX 1.3

Summary of Maximum Individual Doses
Fourth Quarter, 1989

SUMMARY OF MAXIMUM INDIVIDUAL DOSES - 4TH Quarter

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	9.60E-3	Adult Child	Receptor 1	6.40E-1	1.5
Liquid	Liver	1.24E-2		Receptor 1	2.48E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	1.93E-2		629 SE	3.86E-1	5.0
Noble Gas	Air Dose (Beta-mrad)	5.50E-2		629 SE	5.50E-1	10.0
Noble Gas	Total Body	4.39E-3	All	1136 SE	8.78E-2	Yearly 5.0
Noble Gas	Skin	1.30E-2	All	1136 SE	8.67E-2	Yearly 15.0
Iodines and Particulates	Bone	1.97E-1	Child	659 N	2.63E0	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 8910 1 1 END DATE 89123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	2.1E-08	5.4E-06	5.3E-06	5.4E-06	5.3E-06	5.3E-06	5.5E-06	0.0E+00
TEEN	2.0E-08	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.7E-06	3.9E-06	0.0E+00
CHILD	5.7E-08	7.3E-06	7.2E-06	7.3E-06	7.2E-06	7.2E-06	7.3E-06	0.0E+00
INFANT	6.0E-08	7.1E-06	7.1E-06	7.2E-06	7.1E-06	7.0E-06	7.1E-06	0.0E+00
SHORE								
ADULT	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.5E-08
TEEN	7.4E-08	7.4E-08	7.4E-08	7.4E-08	7.4E-08	7.4E-08	7.4E-08	8.7E-08
CHILD	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.5E-08	1.8E-08
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	3.0E-06	5.8E-06	4.2E-06	4.1E-07	2.3E-06	9.2E-07	6.8E-06	0.0E+00
TEEN	3.2E-06	5.9E-06	2.6E-06	3.2E-07	2.2E-06	9.5E-07	4.8E-06	0.0E+00
CHILD	4.0E-06	5.1E-06	1.3E-06	2.8E-07	1.9E-06	7.6E-07	1.8E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 8910 1 1 END DATE 89123124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	3.1E-06	1.1E-05	9.6E-06	5.8E-06	7.6E-06	6.2E-06	1.2E-05	1.5E-08
TEEN	3.3E-06	9.8E-06	6.4E-06	4.2E-06	6.0E-06	4.8E-06	8.7E-06	8.7E-08
CHILD	4.0E-06	1.2E-05	8.5E-06	7.6E-06	9.1E-06	8.0E-06	9.1E-06	1.8E-08
INFANT	6.0E-08	7.1E-06	7.1E-06	7.2E-06	7.1E-06	7.0E-06	7.1E-06	0.0E+00

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 8910 1 1 0 TO 89123124 0
DOSE ACCUMULATION FOR GAMMA RAD
FOR RELEASE POINT 1

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
5.6228E-06	3.3189E-07	1.3612E-07	7.8834E-08	5.3941E-08
2.6230E-08	1.0447E-08	5.8372E-09	4.1438E-09	2.8812E-09
**DIRECTION FROM W				
3.3625E-06	3.8905E-07	1.7100E-07	9.6857E-08	6.5279E-08
2.9855E-08	1.0113E-08	4.6052E-09	2.7638E-09	1.5692E-09
**DIRECTION FROM WNW				
8.2081E-06	8.1799E-07	3.5582E-07	2.0286E-07	1.3775E-07
6.4314E-08	2.2677E-08	1.0726E-08	6.6265E-09	3.9184E-09
**DIRECTION FROM NW				
1.8956E-05	2.0434E-06	8.9392E-07	5.0783E-07	3.4343E-07
1.5856E-07	5.4725E-08	2.5375E-08	1.5444E-08	8.9459E-09
**DIRECTION FROM NNW				
2.8859E-06	2.2091E-07	8.7751E-08	4.7349E-08	3.0198E-08
1.2397E-08	3.7476E-09	1.8860E-09	1.3472E-09	9.4243E-10

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

FOR RELEASE POINT 2

**DIRECTION FROM N				
1.1065E-06	1.0649E-07	4.6107E-08	2.6245E-08	1.7854E-08
8.4120E-09	3.0201E-09	1.4654E-09	9.3056E-10	5.7177E-10
**DIRECTION FROM NNE				
6.9715E-07	7.6828E-08	3.3946E-08	1.9371E-08	1.3140E-08
6.1129E-09	2.1396E-09	1.0034E-09	6.1883E-10	3.6702E-10
**DIRECTION FROM NE				
6.6068E-07	7.3838E-08	3.2347E-08	1.8321E-08	1.2389E-08
5.7314E-09	1.9814E-09	9.2312E-10	5.6699E-10	3.3335E-10
**DIRECTION FROM ENE				
1.2183E-06	1.4047E-07	6.3850E-08	3.7126E-08	2.5694E-08
1.2525E-08	4.7003E-09	2.3027E-09	1.4645E-09	9.0695E-10
**DIRECTION FROM E				
2.4958E-06	2.9414E-07	1.3656E-07	8.0364E-08	5.6181E-08
2.7924E-08	1.0713E-08	5.2571E-09	3.3374E-09	2.0821E-09
**DIRECTION FROM ESE				
2.4918E-06	2.7954E-07	1.3575E-07	8.2658E-08	5.8226E-08
2.9168E-08	1.1511E-08	5.7347E-09	3.6705E-09	2.3193E-09
**DIRECTION FROM SE				
3.1358E-06	3.3898E-07	1.6822E-07	1.0373E-07	7.3878E-08
3.7822E-08	1.5267E-08	7.6425E-09	4.9065E-09	3.1489E-09
**DIRECTION FROM SSE				
5.8122E-06	6.5907E-07	3.3095E-07	2.0532E-07	1.4671E-07
7.5547E-08	3.0778E-08	1.5488E-08	9.9674E-09	6.3922E-09
**DIRECTION FROM S				
5.6621E-06	6.4989E-07	3.0244E-07	1.7843E-07	1.2444E-07
6.1400E-08	2.3374E-08	1.1397E-08	7.1962E-09	4.4699E-09
**DIRECTION FROM SSW				
2.5572E-06	2.9896E-07	1.3426E-07	7.7253E-08	5.2889E-08
2.5123E-08	9.0531E-09	4.3031E-09	2.6740E-09	1.6055E-09
**DIRECTION FROM SW				
1.7137E-06	1.8920E-07	8.8679E-08	5.2700E-08	3.6816E-08
1.8210E-08	6.9880E-09	3.4283E-09	2.1757E-09	1.3627E-09
**DIRECTION FROM WSW				
9.0754E-07	9.8892E-08	4.3597E-08	2.4871E-08	1.7038E-08
8.1499E-09	2.9618E-09	1.4315E-09	9.0386E-10	5.5284E-10
**DIRECTION FROM W				
2.1860E-06	2.3473E-07	1.0319E-07	5.8809E-08	3.9946E-08
1.8671E-08	6.5855E-09	3.1217E-09	1.9402E-09	1.1588E-09
**DIRECTION FROM WNW				
3.3572E-06	3.6183E-07	1.5834E-07	8.9835E-08	6.0735E-08
2.8090E-08	9.7475E-09	4.5765E-09	2.8321E-09	1.6825E-09
**DIRECTION FROM NW				
2.2133E-06	2.3530E-07	1.0273E-07	5.8290E-08	3.9338E-08
1.8093E-08	6.2303E-09	2.9050E-09	1.7840E-09	1.0466E-09
**DIRECTION FROM NNW				
1.7328E-06	1.9854E-07	8.7252E-08	4.9446E-08	3.3463E-08
1.5498E-08	5.3558E-09	2.4849E-09	1.5186E-09	8.8674E-10

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 8910 1 1 0 TO 89123124 0
DOSE ACCUMULATION FOR BETA RAD
FOR RELEASE POINT 1

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
1.6257E-05	9.5958E-07	3.9356E-07	2.2793E-07	1.5596E-07
7.5838E-08	3.0205E-08	1.6877E-08	1.1981E-08	8.3302E-09
**DIRECTION FROM W				
9.7219E-06	1.1248E-06	4.9440E-07	2.8004E-07	1.8874E-07
8.6319E-08	2.9240E-08	1.3315E-08	7.9908E-09	4.5368E-09
**DIRECTION FROM WNW				
2.3732E-05	2.3650E-06	1.0288E-06	5.8653E-07	3.9827E-07
1.8595E-07	6.5565E-08	3.1012E-08	1.9159E-08	1.1329E-08
**DIRECTION FROM NW				
5.4805E-05	5.9080E-06	2.5846E-06	1.4683E-06	9.9295E-07
4.5845E-07	1.5822E-07	7.3364E-08	4.4652E-08	2.5865E-08
**DIRECTION FROM NNW				
8.3439E-06	6.3871E-07	2.5371E-07	1.3690E-07	8.7311E-08
3.5844E-08	1.0835E-08	5.4530E-09	3.8950E-09	2.7248E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

FOR RELEASE POINT 2

**DIRECTION FROM N				
2.7500E-06	2.6591E-07	1.1517E-07	6.5538E-08	4.4577E-08
2.0995E-08	7.5308E-09	3.6509E-09	2.3170E-09	1.4228E-09
**DIRECTION FROM NNE				
1.7307E-06	1.9116E-07	8.4467E-08	4.8193E-08	3.2697E-08
1.5220E-08	5.3297E-09	2.5002E-09	1.5422E-09	9.1494E-10
**DIRECTION FROM NE				
1.6508E-06	1.8387E-07	8.0506E-08	4.5590E-08	3.0819E-08
1.4249E-08	4.9229E-09	2.2940E-09	1.4096E-09	8.2922E-10
**DIRECTION FROM ENE				
3.0319E-06	3.4967E-07	1.5912E-07	9.2597E-08	6.4105E-08
3.1266E-08	1.1746E-08	5.7565E-09	3.6618E-09	2.2687E-09
**DIRECTION FROM E				
6.1555E-06	7.2542E-07	3.3672E-07	1.9814E-07	1.3847E-07
6.8778E-08	2.6370E-08	1.2939E-08	8.2142E-09	5.1226E-09
**DIRECTION FROM ESE				
6.1336E-06	6.8996E-07	3.3442E-07	2.0335E-07	1.4317E-07
7.1661E-08	2.8237E-08	1.4057E-08	8.9927E-09	5.6772E-09
**DIRECTION FROM SE				
7.7423E-06	8.3966E-07	4.1618E-07	2.5643E-07	1.8255E-07
9.3385E-08	3.7660E-08	1.8849E-08	1.2100E-08	7.7614E-09
**DIRECTION FROM SSE				
1.4077E-05	1.5971E-06	8.0130E-07	4.9685E-07	3.5491E-07
1.8267E-07	7.4368E-08	3.7413E-08	2.4074E-08	1.5434E-08
**DIRECTION FROM S				
1.3787E-05	1.5824E-06	7.3641E-07	4.3448E-07	3.0303E-07
1.4954E-07	5.6939E-08	2.7765E-08	1.7533E-08	1.0892E-08
**DIRECTION FROM SSW				
6.2813E-06	7.3422E-07	3.2962E-07	1.8962E-07	1.2980E-07
6.1646E-08	2.2205E-08	1.0552E-08	6.5559E-09	3.9349E-09
**DIRECTION FROM SW				
4.2292E-06	4.6693E-07	2.1846E-07	1.2967E-07	9.0515E-08
4.4706E-08	1.7120E-08	8.3920E-09	5.3234E-09	3.3310E-09
**DIRECTION FROM WSW				
2.3163E-06	2.5276E-07	1.1144E-07	6.3571E-08	4.3542E-08
2.0817E-08	7.5591E-09	3.6508E-09	2.3036E-09	1.4078E-09
**DIRECTION FROM W				
5.3800E-06	5.7840E-07	2.5433E-07	1.4494E-07	9.8467E-08
4.6048E-08	1.6251E-08	7.7056E-09	4.7902E-09	2.8618E-09
**DIRECTION FROM WNW				
8.1996E-06	8.8453E-07	3.8713E-07	2.1966E-07	1.4853E-07
6.8717E-08	2.3855E-08	1.1201E-08	6.9320E-09	4.1184E-09
**DIRECTION FROM NW				
5.4730E-06	5.8243E-07	2.5433E-07	1.4432E-07	9.7402E-08
4.4802E-08	1.5427E-08	7.1927E-09	4.4166E-09	2.5904E-09
**DIRECTION FROM NNW				
4.4174E-06	5.0627E-07	2.2251E-07	1.2610E-07	8.5352E-08
3.9549E-08	1.3676E-08	6.3484E-09	3.8814E-09	2.2681E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.0E-06	7.8E-06
TEEN	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.0E-06	7.8E-06
CHILD	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.0E-06	7.8E-06
INFNT	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	2.9E-06	3.0E-06	7.8E-06
GROUND	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	9.2E-05
TEEN	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	9.2E-05
CHILD	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	9.2E-05
INFNT	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	7.9E-05	9.2E-05
VEGET	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	7.4E-07	1.0E-07	7.4E-07	1.1E-06	4.2E-07	1.1E-07	1.9E-07	0.0E+00
TEEN	6.3E-07	1.1E-07	1.2E-06	1.7E-06	6.2E-07	1.1E-07	3.0E-07	0.0E+00
CHILD	5.3E-07	1.6E-07	2.8E-06	2.8E-06	1.0E-06	1.7E-07	4.5E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	7.7E-08	1.3E-08	7.3E-08	1.1E-07	4.5E-08	1.5E-08	2.2E-08	0.0E+00
TEEN	3.5E-08	8.0E-09	6.1E-08	8.8E-08	3.4E-08	9.3E-09	1.7E-08	0.0E+00
CHILD	2.4E-08	8.8E-09	1.1E-07	1.2E-07	4.3E-08	1.2E-08	2.1E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	2.5E-06	1.6E-07	2.7E-06	3.8E-06	1.3E-06	5.1E-07	4.9E-07	0.0E+00
TEEN	2.4E-06	2.0E-07	4.9E-06	6.6E-06	2.3E-06	7.8E-07	9.6E-07	0.0E+00
CHILD	1.8E-06	2.4E-07	1.2E-05	1.1E-05	3.8E-06	1.5E-06	1.5E-06	0.0E+00
INFNT	1.8E-06	3.2E-07	1.9E-05	2.2E-05	6.1E-06	3.5E-06	2.6E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	7.4E-06	3.8E-07	8.0E-06	1.1E-05	3.9E-06	6.8E-07	1.4E-06	0.0E+00
TEEN	7.0E-06	4.9E-07	1.5E-05	2.0E-05	6.8E-06	1.0E-06	2.8E-06	0.0E+00
CHILD	5.3E-06	5.5E-07	3.5E-05	3.4E-05	1.1E-05	1.9E-06	4.3E-06	0.0E+00
INFNT	5.2E-06	7.2E-07	5.6E-05	6.6E-05	1.8E-05	4.4E-06	7.6E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	2.3E-06	1.7E-06	6.9E-07	2.6E-06	2.0E-06	2.0E-06	1.9E-06	0.0E+00
TEEN	2.2E-06	1.7E-06	9.7E-07	2.9E-06	2.2E-06	2.0E-06	1.9E-06	0.0E+00
CHILD	1.7E-06	1.5E-06	1.3E-06	2.7E-06	1.9E-06	1.9E-06	1.7E-06	0.0E+00
INFNT	9.4E-07	8.7E-07	7.9E-07	1.8E-06	1.1E-06	1.2E-06	1.0E-06	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	9.2E-05	8.1E-05	9.1E-05	9.7E-05	8.6E-05	8.2E-05	8.3E-05	9.2E-05
TEEN	9.1E-05	8.1E-05	1.0E-04	1.1E-04	9.1E-05	8.3E-05	8.5E-05	9.2E-05
CHILD	8.8E-05	8.1E-05	1.3E-04	1.3E-04	9.7E-05	8.4E-05	8.7E-05	9.2E-05
INFNT	8.7E-05	8.1E-05	1.5E-04	1.7E-04	1.0E-04	8.8E-05	9.0E-05	9.2E-05
TOTALS								
ADULT	9.5E-05	8.4E-05	9.4E-05	1.0E-04	8.9E-05	8.5E-05	8.6E-05	1.0E-04
TEEN	9.4E-05	8.4E-05	1.0E-04	1.1E-04	9.3E-05	8.5E-05	8.8E-05	1.0E-04
CHILD	9.1E-05	8.4E-05	1.3E-04	1.3E-04	1.0E-04	8.7E-05	9.0E-05	1.0E-04
INFNT	8.9E-05	8.3E-05	1.6E-04	1.7E-04	1.1E-04	9.1E-05	9.3E-05	1.0E-04

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.5E-06
GROUND	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	5.5E-05
TEEN	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	5.5E-05
CHILD	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	5.5E-05
INFNT	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	5.5E-05
VEGET	PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE							
ADULT	2.0E-05	1.3E-06	2.1E-05	3.0E-05	1.1E-05	1.4E-06	3.9E-06	0.0E+00
TEEN	1.6E-05	1.5E-06	3.4E-05	4.6E-05	1.6E-05	1.4E-06	6.7E-06	0.0E+00
CHILD	1.2E-05	1.7E-06	8.0E-05	7.8E-05	2.6E-05	2.1E-06	1.0E-05	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE							
ADULT	4.5E-08	5.0E-09	4.7E-08	6.7E-08	2.5E-08	5.6E-09	1.1E-08	0.0E+00
TEEN	2.0E-08	2.9E-09	3.9E-08	5.4E-08	2.0E-08	3.6E-09	8.9E-09	0.0E+00
CHILD	1.3E-08	3.0E-09	7.1E-08	7.1E-08	2.5E-08	4.8E-09	1.1E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE							
ADULT	1.5E-06	7.1E-08	1.6E-06	2.2E-06	7.7E-07	2.6E-07	2.7E-07	0.0E+00
TEEN	1.4E-06	9.1E-08	2.9E-06	3.9E-06	1.3E-06	4.0E-07	5.4E-07	0.0E+00
CHILD	1.0E-06	9.6E-08	7.0E-06	6.7E-06	2.2E-06	7.8E-07	8.3E-07	0.0E+00
INFNT	1.0E-06	1.2E-07	1.1E-05	1.3E-05	3.6E-06	1.8E-06	1.5E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE							
ADULT	4.3E-06	1.8E-07	4.8E-06	6.6E-06	2.3E-06	3.3E-07	7.9E-07	0.0E+00
TEEN	4.1E-06	2.3E-07	8.7E-06	1.2E-05	4.0E-06	5.1E-07	1.6E-06	0.0E+00
CHILD	3.1E-06	2.3E-07	2.1E-05	2.0E-05	6.6E-06	9.8E-07	2.5E-06	0.0E+00
INFNT	2.9E-06	2.8E-07	3.3E-05	3.9E-05	1.1E-05	2.3E-06	4.4E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE							
ADULT	7.5E-07	5.1E-07	2.8E-07	8.6E-07	6.3E-07	6.0E-07	5.6E-07	0.0E+00
TEEN	6.9E-07	5.2E-07	3.9E-07	9.9E-07	6.8E-07	6.3E-07	6.0E-07	0.0E+00
CHILD	5.2E-07	4.5E-07	5.2E-07	9.2E-07	6.1E-07	5.8E-07	5.3E-07	0.0E+00
INFNT	2.8E-07	2.6E-07	3.2E-07	6.1E-07	3.6E-07	3.8E-07	3.1E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	7.3E-05	4.9E-05	7.5E-05	8.6E-05	6.1E-05	4.9E-05	5.2E-05	5.5E-05
TEEN	6.9E-05	4.9E-05	9.2E-05	1.1E-04	6.9E-05	5.0E-05	5.6E-05	5.5E-05
CHILD	6.4E-05	4.9E-05	1.6E-04	1.5E-04	8.2E-05	5.1E-05	6.1E-05	5.5E-05
INFNT	5.1E-05	4.7E-05	9.1E-05	1.0E-04	6.1E-05	5.1E-05	5.3E-05	5.5E-05
TOTALS								
ADULT	7.4E-05	5.0E-05	7.6E-05	8.7E-05	6.2E-05	5.1E-05	5.4E-05	5.8E-05
TEEN	7.1E-05	5.0E-05	9.4E-05	1.1E-04	7.0E-05	5.1E-05	5.7E-05	5.8E-05
CHILD	6.5E-05	5.0E-05	1.6E-04	1.5E-04	8.4E-05	5.2E-05	6.2E-05	5.8E-05
INFNT	5.2E-05	4.9E-05	9.3E-05	1.0E-04	6.3E-05	5.2E-05	5.4E-05	5.8E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
TEEN	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
CHILD	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
INFNT	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	4.8E-07	5.0E-07	1.3E-06
GROUND	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.6E-05
TEEN	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.6E-05
CHILD	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.6E-05
INFNT	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.6E-05
VEGET	PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE							
ADULT	7.1E-06	5.4E-07	7.5E-06	1.1E-05	3.8E-06	5.8E-07	1.5E-06	0.0E+00
TEEN	5.9E-06	6.1E-07	1.2E-05	1.6E-05	5.8E-06	5.8E-07	2.5E-06	0.0E+00
CHILD	4.6E-06	7.4E-07	2.8E-05	2.8E-05	9.4E-06	8.8E-07	3.7E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE							
ADULT	2.5E-08	3.1E-09	2.5E-08	3.7E-08	1.4E-08	3.4E-09	6.2E-09	0.0E+00
TEEN	1.1E-08	1.8E-09	2.1E-08	2.9E-08	1.1E-08	2.2E-09	5.1E-09	0.0E+00
CHILD	7.1E-09	1.9E-09	3.9E-08	3.9E-08	1.4E-08	2.9E-09	6.0E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	7.9E-07	4.3E-08	8.7E-07	1.2E-06	4.2E-07	1.4E-07	1.5E-07	0.0E+00
TEEN	7.5E-07	5.5E-08	1.6E-06	2.1E-06	7.4E-07	2.1E-07	3.0E-07	0.0E+00
CHILD	5.7E-07	6.1E-08	3.8E-06	3.7E-06	1.2E-06	4.1E-07	4.6E-07	0.0E+00
INFNT	5.6E-07	7.9E-08	6.0E-06	7.1E-06	2.0E-06	9.7E-07	8.3E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	2.4E-06	1.1E-07	2.6E-06	3.6E-06	1.2E-06	1.8E-07	4.4E-07	0.0E+00
TEEN	2.2E-06	1.4E-07	4.7E-06	6.3E-06	2.2E-06	2.8E-07	8.8E-07	0.0E+00
CHILD	1.7E-06	1.4E-07	1.1E-05	1.1E-05	3.6E-06	5.3E-07	1.3E-06	0.0E+00
INFNT	1.6E-06	1.8E-07	1.8E-05	2.1E-05	5.8E-06	1.2E-06	2.4E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	3.0E-07	2.1E-07	1.1E-07	3.4E-07	2.5E-07	2.4E-07	2.3E-07	0.0E+00
TEEN	2.7E-07	2.1E-07	1.5E-07	3.9E-07	2.7E-07	2.5E-07	2.4E-07	0.0E+00
CHILD	2.1E-07	1.8E-07	2.0E-07	3.6E-07	2.4E-07	2.3E-07	2.1E-07	0.0E+00
INFNT	1.1E-07	1.0E-07	1.2E-07	2.4E-07	1.4E-07	1.5E-07	1.3E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.5E-05	1.5E-05	2.5E-05	3.0E-05	2.0E-05	1.5E-05	1.6E-05	1.6E-05
TEEN	2.3E-05	1.5E-05	3.2E-05	3.9E-05	2.3E-05	1.5E-05	1.8E-05	1.6E-05
CHILD	2.1E-05	1.5E-05	5.8E-05	5.7E-05	2.8E-05	1.6E-05	2.0E-05	1.6E-05
INFNT	1.6E-05	1.4E-05	3.8E-05	4.3E-05	2.2E-05	1.6E-05	1.7E-05	1.6E-05
TOTALS								
ADULT	2.5E-05	1.5E-05	2.6E-05	3.0E-05	2.0E-05	1.6E-05	1.7E-05	1.8E-05
TEEN	2.4E-05	1.5E-05	3.3E-05	4.0E-05	2.3E-05	1.6E-05	1.8E-05	1.8E-05
CHILD	2.2E-05	1.6E-05	5.8E-05	5.7E-05	2.9E-05	1.7E-05	2.0E-05	1.8E-05
INFNT	1.7E-05	1.5E-05	3.9E-05	4.3E-05	2.2E-05	1.7E-05	1.8E-05	1.8E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.9E-07	1.4E-06
TEEN	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.9E-07	1.4E-06
CHILD	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.9E-07	1.4E-06
INFNT	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.6E-07	4.9E-07	1.4E-06
GROUND	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	6.1E-06
TEEN	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	6.1E-06
CHILD	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	6.1E-06
INFNT	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	5.3E-06	6.1E-06
VEGET	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	2.8E-06	1.4E-07	3.1E-06	4.3E-06	1.5E-06	5.7E-07	5.2E-07	0.0E+00
TEEN	2.3E-06	1.5E-07	4.9E-06	6.6E-06	2.3E-06	4.8E-07	9.1E-07	0.0E+00
CHILD	1.7E-06	1.5E-07	1.2E-05	1.1E-05	3.7E-06	7.3E-07	1.4E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE							
ADULT	8.7E-08	4.8E-09	9.5E-08	1.3E-07	4.6E-08	2.2E-08	1.6E-08	0.0E+00
TEEN	3.8E-08	2.8E-09	7.8E-08	1.1E-07	3.7E-08	1.5E-08	1.5E-08	0.0E+00
CHILD	2.2E-08	2.3E-09	1.4E-07	1.4E-07	4.7E-08	2.3E-08	1.8E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	8.2E-07	3.2E-08	9.1E-07	1.3E-06	4.3E-07	6.3E-07	1.5E-07	0.0E+00
TEEN	7.8E-07	4.1E-08	1.7E-06	2.2E-06	7.6E-07	9.9E-07	3.0E-07	0.0E+00
CHILD	5.8E-07	3.6E-08	4.0E-06	3.8E-06	1.3E-06	1.9E-06	4.6E-07	0.0E+00
INFNT	5.5E-07	4.1E-08	6.3E-06	7.5E-06	2.0E-06	4.7E-06	8.2E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	2.5E-06	8.3E-08	2.7E-06	3.8E-06	1.3E-06	7.5E-07	4.3E-07	0.0E+00
TEEN	2.3E-06	1.1E-07	5.0E-06	6.6E-06	2.3E-06	1.2E-06	8.8E-07	0.0E+00
CHILD	1.7E-06	9.3E-08	1.2E-05	1.1E-05	3.8E-06	2.3E-06	1.4E-06	0.0E+00
INFNT	1.6E-06	1.0E-07	1.9E-05	2.2E-05	6.0E-06	5.7E-06	2.5E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	4.5E-08	2.7E-08	2.0E-08	5.3E-08	3.6E-08	4.3E-08	3.1E-08	0.0E+00
TEEN	4.0E-08	2.7E-08	2.9E-08	6.3E-08	3.9E-08	4.7E-08	3.3E-08	0.0E+00
CHILD	2.9E-08	2.4E-08	3.9E-08	5.9E-08	3.5E-08	4.6E-08	2.9E-08	0.0E+00
INFNT	1.5E-08	1.3E-08	2.3E-08	4.0E-08	2.1E-08	3.4E-08	1.8E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.1E-05	5.5E-06	1.2E-05	1.5E-05	8.5E-06	7.3E-06	6.4E-06	6.1E-06
TEEN	1.1E-05	5.6E-06	1.7E-05	2.1E-05	1.1E-05	8.0E-06	7.4E-06	6.1E-06
CHILD	9.3E-06	5.6E-06	3.3E-05	3.2E-05	1.4E-05	1.0E-05	8.5E-06	6.1E-06
INFNT	7.4E-06	5.4E-06	3.1E-05	3.5E-05	1.3E-05	1.6E-05	8.5E-06	6.1E-06
TOTALS								
ADULT	1.2E-05	6.0E-06	1.3E-05	1.5E-05	9.0E-06	7.7E-06	6.9E-06	7.5E-06
TEEN	1.1E-05	6.0E-06	1.7E-05	2.1E-05	1.1E-05	8.4E-06	7.9E-06	7.5E-06
CHILD	9.8E-06	6.0E-06	3.3E-05	3.2E-05	1.5E-05	1.1E-05	9.0E-06	7.5E-06
INFNT	7.9E-06	5.9E-06	3.1E-05	3.6E-05	1.4E-05	1.6E-05	9.0E-06	7.5E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E							
ADULT	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.8E-06
TEEN	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.8E-06
CHILD	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.8E-06
INFNT	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07	6.5E-07	1.8E-06
GROUND	PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E							
ADULT	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
TEEN	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
CHILD	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
INFNT	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	9.1E-06	1.1E-05
VEGET	PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E							
ADULT	5.4E-06	2.6E-07	6.0E-06	8.3E-06	2.9E-06	6.0E-07	1.0E-06	0.0E+00
TEEN	4.5E-06	3.0E-07	9.5E-06	1.3E-05	4.4E-06	5.2E-07	1.8E-06	0.0E+00
CHILD	3.3E-06	3.0E-07	2.2E-05	2.2E-05	7.2E-06	8.0E-07	2.7E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E							
ADULT	5.2E-08	3.2E-09	5.6E-08	7.8E-08	2.8E-08	7.4E-09	1.0E-08	0.0E+00
TEEN	2.3E-08	1.9E-09	4.6E-08	6.3E-08	2.2E-08	5.2E-09	9.1E-09	0.0E+00
CHILD	1.3E-08	1.7E-09	8.6E-08	8.3E-08	2.8E-08	7.5E-09	1.1E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E							
ADULT	1.4E-06	5.4E-08	1.5E-06	2.1E-06	7.3E-07	5.4E-07	2.5E-07	0.0E+00
TEEN	1.3E-06	7.0E-08	2.8E-06	3.7E-06	1.3E-06	8.5E-07	5.0E-07	0.0E+00
CHILD	9.7E-07	6.3E-08	6.7E-06	6.5E-06	2.1E-06	1.7E-06	7.7E-07	0.0E+00
INFNT	9.2E-07	7.2E-08	1.1E-05	1.3E-05	3.4E-06	4.0E-06	1.4E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E							
ADULT	4.2E-06	1.4E-07	4.6E-06	6.3E-06	2.2E-06	6.5E-07	7.3E-07	0.0E+00
TEEN	3.9E-06	1.8E-07	8.4E-06	1.1E-05	3.8E-06	1.0E-06	1.5E-06	0.0E+00
CHILD	2.9E-06	1.6E-07	2.0E-05	1.9E-05	6.3E-06	2.0E-06	2.3E-06	0.0E+00
INFNT	2.7E-06	1.8E-07	3.2E-05	3.8E-05	1.0E-05	4.9E-06	4.2E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E							
ADULT	8.3E-08	4.9E-08	4.0E-08	9.9E-08	6.6E-08	7.2E-08	5.6E-08	0.0E+00
TEEN	7.4E-08	4.9E-08	5.6E-08	1.2E-07	7.3E-08	7.8E-08	6.1E-08	0.0E+00
CHILD	5.3E-08	4.3E-08	7.5E-08	1.1E-07	6.6E-08	7.6E-08	5.4E-08	0.0E+00
INFNT	2.8E-08	2.4E-08	4.6E-08	7.5E-08	3.9E-08	5.5E-08	3.2E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.0E-05	9.7E-06	2.1E-05	2.6E-05	1.5E-05	1.1E-05	1.1E-05	1.1E-05
TEEN	1.9E-05	9.7E-06	3.0E-05	3.7E-05	1.9E-05	1.2E-05	1.3E-05	1.1E-05
CHILD	1.6E-05	9.7E-06	5.9E-05	5.7E-05	2.5E-05	1.4E-05	1.5E-05	1.1E-05
INFNT	1.3E-05	9.4E-06	5.2E-05	6.0E-05	2.3E-05	1.8E-05	1.5E-05	1.1E-05
TOTALS								
ADULT	2.1E-05	1.0E-05	2.2E-05	2.7E-05	1.6E-05	1.2E-05	1.2E-05	1.2E-05
TEEN	2.0E-05	1.0E-05	3.1E-05	3.8E-05	1.9E-05	1.2E-05	1.4E-05	1.2E-05
CHILD	1.7E-05	1.0E-05	5.9E-05	5.7E-05	2.5E-05	1.4E-05	1.6E-05	1.2E-05
INFNT	1.3E-05	1.0E-05	5.3E-05	6.0E-05	2.3E-05	1.9E-05	1.5E-05	1.2E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.7E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.7E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.7E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	3.7E-06
GROUND PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
TEEN	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
CHILD	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
INFNT	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.3E-05	1.5E-05
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	8.1E-06	6.5E-07	8.6E-06	1.2E-05	4.4E-06	1.2E-06	1.7E-06	0.0E+00
TEEN	6.8E-06	7.3E-07	1.4E-05	1.9E-05	6.7E-06	1.1E-06	2.9E-06	0.0E+00
CHILD	5.3E-06	9.0E-07	3.2E-05	3.2E-05	1.1E-05	1.7E-06	4.3E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	4.2E-07	4.4E-08	4.4E-07	6.3E-07	2.3E-07	8.1E-08	9.8E-08	0.0E+00
TEEN	1.9E-07	2.6E-08	3.6E-07	5.0E-07	1.8E-07	5.5E-08	8.2E-08	0.0E+00
CHILD	1.2E-07	2.6E-08	6.7E-07	6.6E-07	2.3E-07	7.7E-08	9.7E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	1.9E-06	9.8E-08	2.1E-06	2.9E-06	1.0E-06	8.2E-07	3.6E-07	0.0E+00
TEEN	1.8E-06	1.3E-07	3.7E-06	5.0E-06	1.7E-06	1.3E-06	7.1E-07	0.0E+00
CHILD	1.4E-06	1.4E-07	9.0E-06	8.7E-06	2.9E-06	2.5E-06	1.1E-06	0.0E+00
INFNT	1.3E-06	1.8E-07	1.4E-05	1.7E-05	4.6E-06	6.0E-06	1.9E-06	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	5.6E-06	2.4E-07	6.2E-06	8.5E-06	2.9E-06	1.0E-06	1.0E-06	0.0E+00
TEEN	5.3E-06	3.2E-07	1.1E-05	1.5E-05	5.2E-06	1.6E-06	2.1E-06	0.0E+00
CHILD	4.0E-06	3.3E-07	2.7E-05	2.6E-05	8.6E-06	3.1E-06	3.2E-06	0.0E+00
INFNT	3.8E-06	4.1E-07	4.3E-05	5.1E-05	1.4E-05	7.3E-06	5.7E-06	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	2.9E-07	2.1E-07	8.5E-08	3.2E-07	2.5E-07	2.7E-07	2.3E-07	0.0E+00
TEEN	2.7E-07	2.2E-07	1.2E-07	3.6E-07	2.7E-07	2.8E-07	2.4E-07	0.0E+00
CHILD	2.1E-07	1.9E-07	1.6E-07	3.4E-07	2.4E-07	2.7E-07	2.1E-07	0.0E+00
INFNT	1.2E-07	1.1E-07	9.8E-08	2.2E-07	1.4E-07	1.8E-07	1.3E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.9E-05	1.4E-05	3.0E-05	3.8E-05	2.2E-05	1.7E-05	1.7E-05	1.5E-05
TEEN	2.7E-05	1.5E-05	4.2E-05	5.3E-05	2.7E-05	1.7E-05	1.9E-05	1.5E-05
CHILD	2.4E-05	1.5E-05	8.2E-05	8.0E-05	3.6E-05	2.1E-05	2.2E-05	1.5E-05
INFNT	1.8E-05	1.4E-05	7.0E-05	8.1E-05	3.2E-05	2.7E-05	2.1E-05	1.5E-05
TOTALS								
ADULT	3.1E-05	1.6E-05	3.2E-05	3.9E-05	2.3E-05	1.8E-05	1.8E-05	1.9E-05
TEEN	2.9E-05	1.6E-05	4.3E-05	5.4E-05	2.8E-05	1.9E-05	2.0E-05	1.9E-05
CHILD	2.5E-05	1.6E-05	8.3E-05	8.2E-05	3.7E-05	2.2E-05	2.3E-05	1.9E-05
INFNT	2.0E-05	1.5E-05	7.2E-05	8.2E-05	3.3E-05	2.8E-05	2.2E-05	1.9E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.6E-06	1.3E-05
TEEN	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.6E-06	1.3E-05
CHILD	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.6E-06	1.3E-05
INFNT	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.6E-06	1.3E-05
GROUND	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
TEEN	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
CHILD	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
INFNT	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.6E-05	1.9E-05
VEGET	PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE							
ADULT	1.4E-05	1.0E-06	1.5E-05	2.2E-05	7.7E-06	4.0E-06	2.9E-06	0.0E+00
TEEN	1.2E-05	1.1E-06	2.4E-05	3.3E-05	1.2E-05	3.5E-06	4.9E-06	0.0E+00
CHILD	9.1E-06	1.3E-06	5.8E-05	5.6E-05	1.9E-05	5.3E-06	7.4E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE							
ADULT	1.1E-07	1.0E-08	1.2E-07	1.7E-07	6.1E-08	3.9E-08	2.5E-08	0.0E+00
TEEN	4.9E-08	6.1E-09	9.7E-08	1.3E-07	4.8E-08	2.7E-08	2.1E-08	0.0E+00
CHILD	3.0E-08	6.0E-09	1.8E-07	1.8E-07	6.1E-08	4.0E-08	2.5E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE							
ADULT	1.3E-06	6.3E-08	1.4E-06	1.9E-06	6.8E-07	1.3E-06	2.4E-07	0.0E+00
TEEN	1.2E-06	8.1E-08	2.5E-06	3.4E-06	1.2E-06	2.0E-06	4.7E-07	0.0E+00
CHILD	9.2E-07	8.4E-08	6.1E-06	5.9E-06	2.0E-06	4.0E-06	7.3E-07	0.0E+00
INFNT	8.9E-07	1.1E-07	9.7E-06	1.1E-05	3.2E-06	9.6E-06	1.3E-06	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE							
ADULT	3.8E-06	1.6E-07	4.2E-06	5.8E-06	2.0E-06	1.5E-06	6.9E-07	0.0E+00
TEEN	3.6E-06	2.0E-07	7.6E-06	1.0E-05	3.5E-06	2.4E-06	1.4E-06	0.0E+00
CHILD	2.7E-06	2.0E-07	1.8E-05	1.8E-05	5.8E-06	4.8E-06	2.1E-06	0.0E+00
INFNT	2.6E-06	2.5E-07	2.9E-05	3.4E-05	9.4E-06	1.2E-05	3.9E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE							
ADULT	3.0E-07	2.2E-07	9.5E-08	3.4E-07	2.6E-07	3.6E-07	2.3E-07	0.0E+00
TEEN	2.8E-07	2.2E-07	1.3E-07	3.8E-07	2.8E-07	4.0E-07	2.5E-07	0.0E+00
CHILD	2.2E-07	1.9E-07	1.8E-07	3.5E-07	2.5E-07	4.0E-07	2.2E-07	0.0E+00
INFNT	1.2E-07	1.1E-07	1.1E-07	2.3E-07	1.4E-07	3.0E-07	1.3E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.6E-05	1.8E-05	3.8E-05	4.6E-05	2.7E-05	2.4E-05	2.1E-05	1.9E-05
TEEN	3.4E-05	1.8E-05	5.1E-05	6.4E-05	3.3E-05	2.5E-05	2.4E-05	1.9E-05
CHILD	2.9E-05	1.8E-05	9.9E-05	9.7E-05	4.4E-05	3.1E-05	2.7E-05	1.9E-05
INFNT	2.0E-05	1.7E-05	5.6E-05	6.3E-05	2.9E-05	3.8E-05	2.2E-05	1.9E-05
TOTALS								
ADULT	4.1E-05	2.2E-05	4.2E-05	5.1E-05	3.2E-05	2.8E-05	2.5E-05	3.2E-05
TEEN	3.8E-05	2.3E-05	5.6E-05	6.8E-05	3.8E-05	2.9E-05	2.8E-05	3.2E-05
CHILD	3.4E-05	2.3E-05	1.0E-04	1.0E-04	4.8E-05	3.5E-05	3.2E-05	3.2E-05
INFNT	2.4E-05	2.1E-05	6.0E-05	6.7E-05	3.4E-05	4.2E-05	2.6E-05	3.2E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.7E-07	1.6E-06
TEEN	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.7E-07	1.6E-06
CHILD	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.7E-07	1.6E-06
INFNT	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.7E-07	1.6E-06
GROUND PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
TEEN	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
CHILD	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
INFNT	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.0E-05	1.2E-05
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.0E-05	5.4E-07	1.1E-05	1.6E-05	5.5E-06	8.9E-07	2.0E-06	0.0E+00
TEEN	8.7E-06	6.0E-07	1.8E-05	2.4E-05	8.5E-06	8.0E-07	3.4E-06	0.0E+00
CHILD	6.4E-06	6.2E-07	4.3E-05	4.2E-05	1.4E-05	1.2E-06	5.2E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.0E-06	6.3E-08	1.1E-06	1.6E-06	5.6E-07	1.1E-07	2.0E-07	0.0E+00
TEEN	4.5E-07	3.7E-08	9.4E-07	1.3E-06	4.4E-07	7.8E-08	1.8E-07	0.0E+00
CHILD	2.7E-07	3.2E-08	1.7E-06	1.7E-06	5.6E-07	1.1E-07	2.2E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	1.3E-06	5.1E-08	1.4E-06	1.9E-06	6.7E-07	3.6E-07	2.3E-07	0.0E+00
TEEN	1.2E-06	6.6E-08	2.6E-06	3.4E-06	1.2E-06	5.6E-07	4.6E-07	0.0E+00
CHILD	8.9E-07	6.1E-08	6.1E-06	5.9E-06	1.9E-06	1.1E-06	7.1E-07	0.0E+00
INFNT	8.5E-07	7.1E-08	9.8E-06	1.2E-05	3.1E-06	2.6E-06	1.3E-06	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	3.8E-06	1.3E-07	4.2E-06	5.8E-06	2.0E-06	4.4E-07	6.7E-07	0.0E+00
TEEN	3.6E-06	1.7E-07	7.7E-06	1.0E-05	3.5E-06	6.8E-07	1.4E-06	0.0E+00
CHILD	2.7E-06	1.6E-07	1.8E-05	1.8E-05	5.8E-06	1.3E-06	2.1E-06	0.0E+00
INFNT	2.5E-06	1.8E-07	2.9E-05	3.5E-05	9.3E-06	3.2E-06	3.8E-06	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	1.1E-07	6.8E-08	5.3E-08	1.3E-07	9.1E-08	9.1E-08	7.7E-08	0.0E+00
TEEN	1.0E-07	6.8E-08	7.4E-08	1.6E-07	1.0E-07	9.7E-08	8.4E-08	0.0E+00
CHILD	7.3E-08	5.9E-08	1.0E-07	1.5E-07	9.0E-08	9.2E-08	7.4E-08	0.0E+00
INFNT	3.9E-08	3.4E-08	6.1E-08	1.0E-07	5.3E-08	6.5E-08	4.4E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.7E-05	1.1E-05	2.9E-05	3.6E-05	1.9E-05	1.2E-05	1.4E-05	1.2E-05
TEEN	2.4E-05	1.1E-05	4.0E-05	5.0E-05	2.4E-05	1.3E-05	1.6E-05	1.2E-05
CHILD	2.1E-05	1.1E-05	8.0E-05	7.7E-05	3.3E-05	1.4E-05	1.9E-05	1.2E-05
INFNT	1.4E-05	1.1E-05	5.0E-05	5.7E-05	2.3E-05	1.6E-05	1.6E-05	1.2E-05
TOTALS								
ADULT	2.8E-05	1.2E-05	2.9E-05	3.6E-05	2.0E-05	1.3E-05	1.4E-05	1.4E-05
TEEN	2.5E-05	1.2E-05	4.0E-05	5.0E-05	2.5E-05	1.3E-05	1.6E-05	1.4E-05
CHILD	2.1E-05	1.2E-05	8.0E-05	7.8E-05	3.3E-05	1.5E-05	1.9E-05	1.4E-05
INFNT	1.4E-05	1.1E-05	5.0E-05	5.7E-05	2.3E-05	1.7E-05	1.6E-05	1.4E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	7.0E-07
TEEN	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	7.0E-07
CHILD	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	7.0E-07
INFNT	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.6E-07	2.7E-07	7.0E-07
GROUND	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
TEEN	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
CHILD	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
INFNT	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05
VEGET	PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S							
ADULT	9.1E-06	7.0E-07	9.6E-06	1.4E-05	4.9E-06	7.7E-07	1.9E-06	0.0E+00
TEEN	7.6E-06	7.9E-07	1.5E-05	2.1E-05	7.4E-06	7.7E-07	3.2E-06	0.0E+00
CHILD	5.8E-06	9.6E-07	3.6E-05	3.5E-05	1.2E-05	1.2E-06	4.8E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S							
ADULT	3.4E-08	3.8E-09	3.5E-08	5.1E-08	1.9E-08	4.3E-09	8.1E-09	0.0E+00
TEEN	1.5E-08	2.2E-09	2.9E-08	4.1E-08	1.5E-08	2.8E-09	6.8E-09	0.0E+00
CHILD	9.6E-09	2.3E-09	5.4E-08	5.4E-08	1.9E-08	3.7E-09	8.0E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	7.3E-07	3.8E-08	8.0E-07	1.1E-06	3.9E-07	1.4E-07	1.4E-07	0.0E+00
TEEN	6.9E-07	4.9E-08	1.4E-06	1.9E-06	6.8E-07	2.1E-07	2.7E-07	0.0E+00
CHILD	5.2E-07	5.3E-08	3.5E-06	3.4E-06	1.1E-06	4.1E-07	4.2E-07	0.0E+00
INFNT	5.1E-07	6.9E-08	5.6E-06	6.6E-06	1.8E-06	9.6E-07	7.6E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	2.2E-06	9.4E-08	2.4E-06	3.3E-06	1.1E-06	1.7E-07	4.0E-07	0.0E+00
TEEN	2.1E-06	1.2E-07	4.3E-06	5.8E-06	2.0E-06	2.7E-07	8.0E-07	0.0E+00
CHILD	1.5E-06	1.3E-07	1.0E-05	1.0E-05	3.3E-06	5.1E-07	1.2E-06	0.0E+00
INFNT	1.5E-06	1.6E-07	1.7E-05	2.0E-05	5.3E-06	1.2E-06	2.2E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	2.4E-07	1.7E-07	7.0E-08	2.6E-07	2.1E-07	2.0E-07	1.9E-07	0.0E+00
TEEN	2.2E-07	1.8E-07	9.8E-08	3.0E-07	2.2E-07	2.0E-07	2.0E-07	0.0E+00
CHILD	1.7E-07	1.5E-07	1.3E-07	2.7E-07	2.0E-07	1.9E-07	1.7E-07	0.0E+00
INFNT	9.5E-08	8.9E-08	8.0E-08	1.8E-07	1.1E-07	1.2E-07	1.0E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.3E-05	1.2E-05	2.4E-05	2.9E-05	1.8E-05	1.2E-05	1.4E-05	1.3E-05
TEEN	2.2E-05	1.2E-05	3.2E-05	4.0E-05	2.2E-05	1.3E-05	1.6E-05	1.3E-05
CHILD	1.9E-05	1.2E-05	6.2E-05	6.0E-05	2.8E-05	1.3E-05	1.8E-05	1.3E-05
INFNT	1.3E-05	1.1E-05	3.4E-05	3.8E-05	1.8E-05	1.3E-05	1.4E-05	1.3E-05
TOTALS								
ADULT	2.4E-05	1.2E-05	2.4E-05	3.0E-05	1.8E-05	1.3E-05	1.4E-05	1.4E-05
TEEN	2.2E-05	1.3E-05	3.3E-05	4.0E-05	2.2E-05	1.3E-05	1.6E-05	1.4E-05
CHILD	2.0E-05	1.3E-05	6.2E-05	6.1E-05	2.8E-05	1.4E-05	1.8E-05	1.4E-05
INFNT	1.4E-05	1.2E-05	3.4E-05	3.8E-05	1.9E-05	1.4E-05	1.5E-05	1.4E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 8910 1 1 THRU 89123124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	5.4E-07
TEEN	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	5.4E-07
CHILD	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	5.4E-07
INFNT	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.1E-07	5.4E-07
GROUND	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-06
TEEN	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-06
CHILD	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-06
INFNT	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	6.6E-06	7.7E-06
VEGET	PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW							
ADULT	5.6E-06	4.9E-07	5.9E-06	8.4E-06	3.1E-06	5.6E-07	1.2E-06	0.0E+00
TEEN	4.7E-06	5.6E-07	9.4E-06	1.3E-05	4.6E-06	5.6E-07	2.0E-06	0.0E+00
CHILD	3.7E-06	7.0E-07	2.2E-05	2.2E-05	7.5E-06	8.6E-07	3.1E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW							
ADULT	1.1E-08	1.6E-09	1.1E-08	1.6E-08	6.4E-09	1.8E-09	2.9E-09	0.0E+00
TEEN	5.0E-09	9.3E-10	9.2E-09	1.3E-08	4.9E-09	1.1E-09	2.3E-09	0.0E+00
CHILD	3.3E-09	1.0E-09	1.7E-08	1.7E-08	6.2E-09	1.5E-09	2.8E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	3.7E-07	2.2E-08	4.1E-07	5.7E-07	2.0E-07	7.7E-08	7.3E-08	0.0E+00
TEEN	3.6E-07	2.8E-08	7.4E-07	9.9E-07	3.5E-07	1.2E-07	1.4E-07	0.0E+00
CHILD	2.7E-07	3.2E-08	1.8E-06	1.7E-06	5.7E-07	2.3E-07	2.2E-07	0.0E+00
INFNT	2.7E-07	4.2E-08	2.8E-06	3.3E-06	9.2E-07	5.4E-07	3.9E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	1.1E-06	5.2E-08	1.2E-06	1.7E-06	5.9E-07	1.0E-07	2.1E-07	0.0E+00
TEEN	1.1E-06	6.8E-08	2.2E-06	3.0E-06	1.0E-06	1.5E-07	4.1E-07	0.0E+00
CHILD	7.9E-07	7.3E-08	5.3E-06	5.1E-06	1.7E-06	2.9E-07	6.4E-07	0.0E+00
INFNT	7.7E-07	9.4E-08	8.5E-06	1.0E-05	2.7E-06	6.7E-07	1.1E-06	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.7E-07	1.3E-07	5.3E-08	1.9E-07	1.5E-07	1.4E-07	1.4E-07	0.0E+00
TEEN	1.6E-07	1.3E-07	7.4E-08	2.2E-07	1.6E-07	1.5E-07	1.5E-07	0.0E+00
CHILD	1.3E-07	1.1E-07	1.0E-07	2.0E-07	1.4E-07	1.4E-07	1.3E-07	0.0E+00
INFNT	7.0E-08	6.5E-08	6.0E-08	1.3E-07	8.4E-08	8.7E-08	7.5E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.4E-05	7.3E-06	1.4E-05	1.7E-05	1.1E-05	7.4E-06	8.2E-06	7.7E-06
TEEN	1.3E-05	7.3E-06	1.9E-05	2.4E-05	1.3E-05	7.5E-06	9.3E-06	7.7E-06
CHILD	1.1E-05	7.5E-06	3.6E-05	3.6E-05	1.6E-05	8.1E-06	1.1E-05	7.7E-06
INFNT	7.7E-06	6.8E-06	1.8E-05	2.0E-05	1.0E-05	7.9E-06	8.2E-06	7.7E-06
TOTALS								
ADULT	1.4E-05	7.5E-06	1.4E-05	1.8E-05	1.1E-05	7.6E-06	8.4E-06	8.2E-06
TEEN	1.3E-05	7.5E-06	1.9E-05	2.4E-05	1.3E-05	7.7E-06	9.5E-06	8.2E-06
CHILD	1.2E-05	7.7E-06	3.6E-05	3.6E-05	1.7E-05	8.3E-06	1.1E-05	8.2E-06
INFNT	7.9E-06	7.0E-06	1.8E-05	2.0E-05	1.0E-05	8.1E-06	8.4E-06	8.2E-06

APPENDIX 2.1

Summary of Hourly Meteorological Data
Third Quarter, 1989

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	18	16	0	0	0	35
NNE	0	2	7	2	0	0	11
NE	0	0	2	0	0	0	2
ENE	0	7	0	0	0	0	7
E	0	8	1	0	0	0	9
ESE	0	3	2	0	0	0	5
SE	0	5	2	0	0	0	7
SSE	2	3	3	0	0	0	8
S	1	1	2	0	0	1	5
SSW	0	0	0	0	0	0	0
SW	1	6	3	0	0	0	10
WSW	0	6	1	0	0	0	7
W	1	7	3	0	0	0	11
WNW	0	4	4	0	0	0	8
NW	1	10	1	1	0	0	13
NNW	1	14	1	3	0	0	19
TOTAL	8	94	48	6	0	1	157

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	12	7	1	0	0	22
NNE	0	0	3	0	0	0	3
NE	1	3	3	2	1	0	10
ENE	3	7	4	0	0	0	14
E	0	6	0	0	0	0	6
ESE	1	4	2	0	0	0	7
SE	2	4	0	0	0	0	6
SSE	0	0	1	0	0	0	1
S	2	2	0	0	0	0	4
SSW	0	1	0	0	0	0	1
SW	0	2	1	0	0	0	3
WSW	0	1	0	0	0	0	1
W	0	1	1	0	0	0	2
WNW	2	3	0	0	0	0	5
NW	2	0	0	0	0	0	2
NNW	0	10	0	0	0	0	10
TOTAL	15	56	22	3	1	0	97

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	14	6	1	0	0	22
NNE	1	1	6	0	0	0	8
NE	0	5	2	0	1	0	8
ENE	1	3	1	0	0	0	5
E	0	5	0	0	0	0	5
ESE	0	6	0	1	0	0	7
SE	1	0	0	0	0	0	1
SSE	0	2	0	0	0	0	2
S	0	2	0	0	0	0	2
SSW	0	1	0	0	0	0	1
SW	1	1	1	0	0	0	3
WSW	0	1	0	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	1	0	0	0	0	1
NW	0	2	1	0	0	0	3
NNW	1	8	0	0	0	0	9
TOTAL	6	52	17	2	1	0	78

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: D DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	10	48	17	9	1	0	85
NNE	3	21	10	6	3	0	43
NE	4	25	20	1	0	0	50
ENE	3	28	11	0	0	0	42
E	4	11	0	0	0	0	15
ESE	4	2	0	0	0	0	6
SE	3	7	0	0	0	0	10
SSE	4	6	0	0	0	0	10
S	5	30	4	0	0	0	39
SSW	2	14	13	0	0	0	29
SW	0	17	20	0	0	0	37
WSW	1	12	10	0	0	0	23
W	0	8	1	0	0	0	9
WNW	3	3	0	0	0	0	6
NW	2	2	0	0	0	0	4
NNW	10	27	2	0	0	0	39
TOTAL	58	261	108	16	4	0	447

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	12	12	2	5	1	1	33
NNE	16	18	8	3	1	0	46
NE	19	12	3	0	0	0	34
ENE	11	20	2	0	0	0	33
E	15	16	0	0	0	0	31
ESE	16	6	0	0	0	0	22
SE	13	5	0	0	0	0	18
SSE	13	8	0	0	0	0	21
S	18	41	5	0	0	0	64
SSW	11	25	8	2	0	0	46
SW	10	35	11	0	0	0	56
WSW	6	31	6	1	0	0	44
W	8	28	2	0	0	0	38
WNW	4	15	0	0	0	0	19
NW	10	6	0	0	0	0	16
NNW	8	11	0	1	0	0	20
TOTAL	190	289	47	12	2	1	541

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8	1	0	0	0	1	10
NNE	5	1	0	0	0	0	6
NE	17	3	0	0	0	0	20
ENE	22	4	0	0	0	0	26
E	30	3	0	0	0	0	33
ESE	26	4	0	0	0	0	30
SE	11	2	0	0	0	0	13
SSE	23	2	0	0	0	0	25
S	23	9	0	0	0	0	32
SSW	6	5	0	0	0	0	11
SW	5	6	0	0	0	0	11
WSW	3	8	0	0	0	0	11
W	7	7	0	0	0	0	14
WNW	3	6	0	0	0	0	9
NW	6	2	0	0	0	0	8
NNW	5	1	0	0	0	0	6
TOTAL	200	64	0	0	0	1	265

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	1	0	0	0	2
NNE	4	1	0	0	0	0	5
NE	15	1	0	0	0	0	16
ENE	25	1	0	0	0	0	26
E	60	0	0	0	0	0	60
ESE	28	1	0	0	0	0	29
SE	29	0	0	0	0	0	29
SSE	43	0	0	0	0	0	43
S	47	7	0	0	0	0	54
SSW	11	4	0	0	0	0	15
SW	4	0	0	0	0	0	4
WSW	2	1	0	0	0	0	3
W	2	0	0	0	0	0	2
WNW	3	3	0	0	0	0	6
NW	0	1	0	0	0	0	1
NNW	3	1	0	0	0	0	4
TOTAL	277	21	1	0	0	0	299

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89070101-89093024

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	35	105	49	16	2	2	209
NNE	29	44	34	11	4	0	122
NE	56	49	30	3	2	0	140
ENE	65	70	18	0	0	0	153
E	109	49	1	0	0	0	159
ESE	75	26	4	1	0	0	106
SE	59	23	2	0	0	0	84
SSE	85	21	4	0	0	0	110
S	96	92	11	0	0	1	200
SSW	30	50	21	2	0	0	103
SW	21	67	36	0	0	0	124
WSW	12	60	17	1	0	0	90
W	18	51	7	0	0	0	76
WNW	15	35	4	0	0	0	54
NW	21	23	2	1	0	0	47
NNW	28	72	3	4	0	0	107
TOTAL	754	837	243	39	8	3	1884

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 324

APPENDIX 2.2

Summary of Hourly Data Meteorological Data
Fourth Quarter, 1989

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	5	2	1	0	0	10
NNE	0	0	2	1	0	0	3
NE	0	1	1	0	0	0	2
ENE	0	3	4	0	0	0	7
E	0	3	0	0	0	0	3
ESE	0	7	0	0	0	0	7
SE	0	8	0	0	0	0	8
SSE	3	6	5	0	0	0	14
S	7	4	14	2	0	0	27
SSW	0	0	2	3	0	0	5
SW	0	3	6	0	0	0	9
WSW	1	4	2	2	0	0	9
W	0	8	12	0	0	0	20
WNW	6	12	6	0	0	0	24
NW	3	5	3	0	0	0	11
NNW	0	6	2	0	0	0	8
TOTAL	22	75	61	9	0	0	167

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	8	1	0	0	0	13
NNE	0	1	1	0	0	0	2
NE	0	2	1	0	0	0	3
ENE	0	4	2	0	0	0	6
E	0	5	1	0	0	0	6
ESE	1	1	2	0	0	0	4
SE	0	1	3	0	0	0	4
SSE	1	2	0	0	0	0	3
S	2	7	14	5	0	0	28
SSW	0	0	8	4	0	0	12
SW	0	1	8	0	0	0	9
WSW	0	4	8	0	0	0	12
W	1	5	13	0	0	0	19
WNW	1	7	8	0	0	0	16
NW	3	6	5	0	0	0	14
NNW	0	2	3	0	0	0	5
TOTAL	13	56	78	9	0	0	156

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	7	5	4	0	0	19
NNE	1	1	6	2	0	0	10
NE	1	3	2	0	0	0	6
ENE	1	4	2	0	0	0	7
E	1	3	4	0	0	0	8
ESE	1	0	2	0	0	0	3
SE	3	6	0	0	0	0	9
SSE	3	7	3	0	0	0	13
S	1	9	14	7	0	0	31
SSW	0	4	7	2	0	0	13
SW	0	5	9	0	0	0	14
WSW	0	7	5	1	0	0	13
W	0	4	11	2	0	0	17
WNW	2	10	14	2	0	0	28
NW	2	3	6	2	0	0	13
NNW	0	3	11	3	0	0	17
TOTAL	19	76	101	25	0	0	221

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: D DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8	20	14	4	0	0	46
NNE	6	9	25	6	0	0	46
NE	7	16	27	4	0	0	54
ENE	5	12	3	0	0	0	20
E	9	19	2	0	0	0	30
ESE	7	19	2	0	0	0	28
SE	7	9	4	2	0	0	22
SSE	4	18	14	4	0	0	40
S	7	44	54	20	0	0	125
SSW	4	26	60	22	2	0	114
SW	5	9	34	5	0	0	53
WSW	2	10	30	16	2	0	60
W	3	18	55	19	0	0	95
WNW	11	42	84	8	0	0	145
NW	12	49	35	14	0	0	110
NNW	5	42	38	34	0	0	119
TOTAL	102	362	481	158	4	0	1107

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	11	0	0	0	0	16
NNE	1	0	0	0	0	0	1
NE	3	1	0	0	0	0	4
ENE	6	1	0	0	0	0	7
E	8	6	0	0	0	0	14
ESE	4	4	0	0	0	0	8
SE	6	10	3	1	0	0	20
SSE	15	21	3	0	0	0	39
S	8	33	24	0	0	0	65
SSW	4	11	15	4	0	0	34
SW	7	7	2	0	0	0	16
WSW	3	3	4	2	0	0	12
W	4	5	1	0	0	0	10
WNW	8	2	0	0	0	0	10
NW	0	2	1	0	0	0	3
NNW	6	12	1	0	0	0	19
TOTAL	88	129	54	7	0	0	278

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	1	0	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	4	2	0	0	0	0	6
E	5	3	0	0	0	0	8
ESE	10	2	0	0	0	0	12
SE	8	3	0	0	0	0	11
SSE	20	44	0	0	0	0	64
S	7	18	0	0	0	0	25
SSW	2	0	0	0	0	0	2
SW	2	0	0	0	0	0	2
WSW	0	0	0	0	0	0	0
W	1	0	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0
TOTAL	61	72	0	0	0	0	133

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	1	0	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	8	0	0	0	0	0	8
ESE	10	0	0	0	0	0	10
SE	23	1	0	0	0	0	24
SSE	35	29	0	0	0	0	64
S	16	11	0	0	0	0	27
SSW	2	2	0	0	0	0	4
SW	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	1	0	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	97	44	0	0	0	0	141

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89100101-89123124

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	22	51	22	9	0	0	104
NNE	10	11	34	9	0	0	64
NE	11	23	31	4	0	0	69
ENE	16	27	11	0	0	0	54
E	31	39	7	0	0	0	77
ESE	33	33	6	0	0	0	72
SE	47	38	10	3	0	0	98
SSE	81	127	25	4	0	0	237
S	48	126	120	34	0	0	328
SSW	12	43	92	35	2	0	184
SW	15	25	59	5	0	0	104
WSW	6	28	49	21	2	0	106
W	9	40	92	21	0	0	162
WNW	29	73	112	10	0	0	224
NW	21	65	50	16	0	0	152
NNW	11	65	55	37	0	0	168
TOTAL	402	814	775	208	4	0	2203

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 5

APPENDIX 3.0

Process Control Program (PCP) Changes

INDIANA MICHIGAN POWER

Form 5326

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

VOID
NOT FOR PLANT USE
SEE minor
DOCUMENT # Rev. 14
11-22-89
KM

Procedure No.	12 PMP 3150 PCP.001
Revision No.	13

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

SCOPE OF REVISION

Rev. 13 - Minor Revision. Marginal markings used. Incorporated Change Sheet #1. Removed specific scaling factors and references to these scaling factors because there is no need for them in this procedure. Added the option of allowing a designee to sign off shipment surveys. Changed the number of required copies of the S.C: prior notification and manifest form from 3 to 2, because only 2 are required. Changed the IMP prior notification form for simplification purposes. Changed the radwaste shipment checkoff sheet to allow for the use of a fax. Added a checkoff sheet for shipments to rad waste processor.

SIGNATURES	REVISION NUMBER			
• • • • • •	REV. 13			
PREPARED BY	[illegible]			
DEPARTMENT HEAD APPROVAL	[illegible]			
INTERFACING DEPARTMENT HEAD CONCURRENCE	NA			
QUALITY ASSURANCE SUPERVISOR APPROVAL	[illegible]			
PLANT NUCLEAR SAFETY COMMITTEE	Mtg. #2280			
PLANT MANAGER APPROVAL	[illegible]			
APPROVAL DATE	7/13/89			
EFFECTIVE DATE	7-17-89			

VOID
NOT FOR PLANT USE

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Page 25 should be Rev. 9.

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ATTACHMENT XX	
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2.33 Low-Level Radioactive Waste Policy Amendments Act of 1985.

2.34 12 THP 6010 ENV.022

2.35 12 THP 6010 ENV.023

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or crushed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.5 No Type B fissile class radioactive material shipments shall be made without an approved procedure for fissile class Type B shipments.

3.6 Consideration has been given to our waste management program to ensure that actions have been implemented to segregate hazardous waste as defined by the EPA regulations, from low-level radioactive waste.

3.7 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is <u>not</u> authorized unless it is specifically provided for in the Certificate of Compliance issued by the NRC.

16.2 The following will be the order in which the Radioactive Shipment Manifests (RSM) are to be completed prior to any forms being distributed to the respective personnel.

NOTE:RSM's may be generated using a computerized waste tracking and manifesting system. Computer generated RSM's must be in an acceptable format as defined by the recipient of the shipment.

1. Completion of shipping records
2. RP Supervisor or designee for signature on survey (Attachment XIV)
3. Radioactive Materials Control Section for signature and correction check on RSM forms.
4. Carrier for signature
5. Three (3) copies of the Chem Nuclear (RSM), and U.S. Ecology, Inc. (RSM) are to be made.

16.3 The originals of the Shipping Papers will go to the following personnel, with copies also listed:

D. C. COOK NUCLEAR PLANT

Michigan Public Health/Indiana State Police Notification Form
Radioactive Waste Shipment Notification Form
Radioactive Waste Shipment Checkoff Sheet
Truck/Trailer or Truck/Van Inspection Check-Off Sheet
Original To Radioactive Materials Control Section
Demineralizer Resin Calculation Sheet
Original To Driver
1 Copy To Radioactive Materials Control Section
Certification Statement For Disposal of Radlok High Integrity Containers
Original To Driver
1 Copy To Radioactive Materials Control Section
Certification Statement For Disposal of TFC High Integrity Containers
Original To Driver
1 Copy To Radioactive Materials Control Section
Instructions to Drivers of Exclusive Use Vehicles
Original To Driver
1 Copy To Radioactive Materials Control Section

BARNWELL WASTE MANAGEMENT FACILITY - RSM

Original and 1 copy To Driver
1 Copy To Radioactive Materials Control Section
1 Copy To Stores
1 Copy To WHNI

STATE OF S. C. PN&M AND CERTIFICATION FORMS

2 Copies	South Carolina Prior Notification and Manifest Form to Driver
1 Copy	South Carolina Prior Notification and Manifest Form to Radioactive Materials Control Section
Original	South Carolina Radioactive Waste Shipment Certification Form to Driver
1 Copy	South Carolina Radioactive Waste Shipment Certification Form to Radioactive Materials Control Section

U.S. ECOLOGY, INC. RSM

Original and 1 Copy	To Driver
1 Copy	To U.S. Eology via Mail
1 Copy	To Radioactive Materials Control Section
1 Copy	To Stores
1 Copy	To WHNI

AT THE TIME OF DEPARTURE OF THE RADIOACTIVE WASTE TRANSPORT VEHICLE, THE RESPECTIVE PARTIES WILL HAVE THE FOLLOWING SHIPMENT PAPERWORK, AS FOLLOWS AND AS APPLICABLE:

DRIVER OF TRANSPORT VEHICLE

Original	Instruction to Drivers of Exclusive Use Vehicles
Original	Washington Low Level Radioactive Waste Shipment Certification
Original and 1 Copy	Barnwell Waste Management Facility (RSM)
*1 Copy	Resin Gamma Spectrum Printout
Original and 1 Copy	U.S. Ecology, Inc. (RSM)
Original	Nevada Low Level Radioactive Waste Shipment Certification
*Original	Demineralizer Resin Calculation Sheet
Original	Nevada Certification
2 Copies	South Carolina Prior Notification and Manifest Form
1 Copy	South Carolina Radioactive Waste Shipment Certification
1 Copy	Radioactive Waste Truck Radiation/ Contamination Survey
Original	Certification Statement For Disposal of Radlok High Integrity Containers
Original	Certification Statement For Disposal of TFC High Integrity Containers
Original	Class "C" Waste Certification Record

NOTE: The driver of the transport vehicle will be given two or more extra placards/placard holders for replacement purposes if any of the affixed placards become lost or damaged during transit. For transport vehicles which the placard holder is permanently affixed on all four (4) sides, extra placards will not need to be given to the driver.

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

18.0 WASTE CLASSIFICATION AND STABILIZATION

18.1 All radioactive waste to be shipped offsite will be classified in accordance with 10CRF61 and the applicable burial site criteria.

18.2 The activity of the waste will be determined by obtaining a representative sample and performing a radioisotopic analysis.

18.3 For isotopes which cannot be detected using plant counting equipment, waste stream samples will be sent to a contracted facility for analysis and development of scaling factors.

18.4 The scaling factors provided by the contracted facility will be used to determine the concentration of these isotopes.

18.5 Attachment XXVII or a computerized waste tracking and manifesting system may be used to calculate the waste classification.

18.6 Class A waste with a total activity of ≧1.0μCi/cc, and all Class B and C wastes must be stabilized in accordance with 10CFR61 and the applicable burial site criteria.

18.7 Stabilization shall be achieved by packaging the waste in approved high integrity containers or by solidification using an approved solidification process.

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"LEFT INTENTIONALLY BLANK"

"LEFT INTENTIONALLY BLANK"

"LEFT INTENTIONALLY BLANK"

"LEFT INTENTIONALLY BLANK"

"LEFT INTENTIONALLY BLANK"

"LEFT INTENTIONALLY BLANK"

Indiana Michigan Power Company
D. C. Cook Nuclear Plant
Radioactive Waste Shipment Notification

To: _____ Date: _____

_____

_____

Shipment Number: _____

Scheduled Date of Shipment: _____ Time: _____

Shipment To: _____

_____

_____

Scheduled Date of Arrival: _____

Description of Shipment

Waste Type(s): _____

Estimated Curies: _____

Container Type(s): _____

Number of Container(s): _____

Comments: _____

_____

_____

Signature: _____

RADIOACTIVE WASTE SHIPMENT CHECK OFF SHEET

Prior to Shipment Date

Shipment No._____ Allocation No._____

Prior Notification Forms Mailed/Telecopied

Requirement: Received by South Carolina DHEC and CNSI VAP/PNP Department 72 hours prior to shipment entering South Carolina.

	Date	Initial
Barnwell South Carolina		

Prior Notification Given (Mail)/(FAX)

Requirement: Mail: At least seven days prior to date of shipment.
FAX: At least 24 hours prior to date of shipment.

State	Date	Initial
Michigan - DPH		

Shipment Schedule Arranged - Transportation (Telephone/Mail)

Requirement: When shipping schedule has been determined with applicable Burial Site.

	Date	Initial
WHNI Personnel Contacted		

Shipment Schedule Followup (Mail)/(FAX)

Date of Shipment

Michigan Public Health Notification

Requirement: Prior to shipment departure.

Date	Time	Personnel Contacted	Initial

Burial Site Notification

Requirement: To be given when shipment departs plant site.

Date	Time	Personnel Contacted	Site	Initial
			Barnwell	
			Beatty	
			Richland	

State Notification

Requirement: Notification given only if there is a change in the PN&M Form.

Date	Time	Personnel Contacted	State	Initial
			South Carolina	

Indiana State Police Notification - Courtesy Only

Requirement: Prior to Shipment Departure

Date	Time	Personnel Contacted	Initial

Radioactive Shipment Record (RSM) Check For Completeness

Requirement: Thorough check of every column on RSM for proper wording and correct information.

Date	Time	RSM	Initial
		Chem-Nuclear U.S. Ecology, Inc.	

Vehicle/Package Check

Date	Time	Vehicle	Initial	Package	Initial
		Placarded Surveyed		Labeled Sealed Surveyed	

Transmittal of RSM to Burial Site
Requirement: At time of shipment.

Date	Time	Site	Initial

Acknowledgement of Shipment

Requirement: Within seven (7) days after the estimated time of arrival at the designated Burial site: If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

Plant Receipt Date	Initial

PROCESSING FACILITY
RADIOACTIVE WASTE SHIPMENT
CHECK OFF SHEET

Shipment No. _____ Date of Shipment: _____

ETA Vendors Facility: Date: _____

Shipment Scheduled By: _____ Date: _____ Time: _____

Vendor: _____ Contact: _____

Advance Notifications:

Note: Mich. Dept. of Public Health, Radioactive Waste Shipment Notification Form, must be sent so it is received at least 24 hours prior to shipment departure. (Telecopy)

Mich. Dept. of Public Health; Radioactive Waste Shipment Notification,
Date/Time/Initials: _____/_____/_____

Quality/Completeness Checks:

Vehicle Check: Placarded: _____ Surveyed: _____

Package Check: Marked: _____ Sealed: _____ Surveyed: _____

Radioactive Shipment Manifest, Check information for accuracy and completeness: Initials: _____

Notification, Day of Shipment: Phone/FAX

Processing Facility; Phone Call _ Date/Time: _____/_____

Contact: _____ Initials: _____

Mich. Dept. of Public Health; MDPH/ISP Notification Form - Telecopied: Date/Time/Initials: _____/_____/_____

Indiana State Police; Courtesy Notification - Date/Time: _____

Contact: _____ Initials: _____

Acknowledgement of Shipment: Received By: _____ Date: _____

CERTIFICATION STATEMENT FOR DISPOSAL OF RADLOK HIGH INTEGRITY CONTAINERS

For the RADLOK high integrity containers to be disposed of at the Barnwell, South Carolina low-level radioactive waste burial facility and identified by serial number(s) _____ _____, Indiana Michigan Power Company hereby certifies that its use of such containers has complied with the Certificates of Compliance issued by the South Carolina Department of Health and Environmental Control, Bureau of Radiological Health, and all amendments thereto, as follows:

1. RADLOK-55 No. DHEC-HIC-PL-004, June 17, 1982
2. RADLOK-100 No. DHEC-HIC-PL-005, June 17, 1982
3. RADLOK-200 No. DHEC-HIC-PL-007, May 5, 1983
4. RADLOK-500 No. DHEC-HIC-PL-014, October 31, 1985

BY: _____

TITLE: _____

DATED: _____

DONALD C. COOK NUCLEAR PLANT
PART I - NUCLEAR SAFETY EVALUATION CHECKLIST
(10 CFR 50.59 - APPLICABILITY DETERMINATION)

1.0 CHECKLIST APPLICABLE TO:

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

No. 12 PMP 3150 PCP 001 Rev. No. 13 PCS. No. N/A

2.0 10 CFR 50.59 APPLICABILITY DETERMINATION
Does this procedure, procedure revision or change, or modification to which this evaluation is applicable represent;

2.1 YES ___ NO ✓ A CHANGE TO THE PLANT AS DESCRIBED IN THE FSAR*, THE EMERGENCY PLAN OR THE SECURITY PLAN?

A change to the plant as described in the FSAR should be interpreted as any change to plant systems, structures, components, or site features which is not in accordance with system or component configuration as shown by drawings and text descriptions in the FSAR. This includes drawings, illustrations, schematic representations, safety analysis performance assumptions, as well as text descriptions. Consider not only whether the proposed change requires revision to the FSAR text or graphic depictions, but also its effect on the functions of described systems and components. If the change introduces new failure modes, different operating activities, or new system performance characteristics which are not considered in the FSAR, then a "YES" should be marked to initiate further evaluation. This applies to any system described in the FSAR regardless of safety classification or safety function.

If the change increases the probability of causing, either directly or indirectly, an uncontrolled or unmonitored release of significant amounts of radioactivity, the answer to this question should be checked "yes". This consideration includes changes to the radioactive waste treatment systems.

It is important to note that changes to site features may also be considered to be changes to the plant as described in the FSAR. If there is any doubt as to whether the change being evaluated represents a change to the plant as described in the FSAR, the answer to this question should be checked "YES".

2.2 YES ___ NO ✓ A CHANGE TO PROCEDURES AS DESCRIBED IN THE FSAR*, THE EMERGENCY PLAN OR THE SECURITY PLAN.

A change to procedures as described in the FSAR should be interpreted as any change to a procedure which is referenced in the FSAR or which is implicitly referred to in the FSAR as an activity, administrative control or system operations assumed in an accident analysis which will be followed. To be considered a change to procedures as described in the FSAR, the proposed change must also result in a change to actions or administrative controls as described in the above documentation or can adversely affect the functionality of a system, structure, or component as described in the above documentation.

* This includes recent RFCs, NRC requirements, NRC orders, license changes, etc. more recent than the current version of the FSAR, but intended to be in future FSAR updates.

2.3 YES ___ NO ✓ A TEST OR EXPERIMENT NOT DESCRIBED IN THE FSAR*?

A test or experiment not described in the FSAR pertains to any test, temporary procedure or other activity which operates the plant outside of the bounds of the initial conditions and assumptions used in the FSAR, or in a manner not described in the FSAR and/or which could have an adverse effect on reactor safety. Excluded from the above definition are those tests and experiments which

1) Do not require an abnormal mode of operation.

2) Do not have an adverse impact on operating safety margins.

3) Have no adverse effect on safety-related systems.

4) Do not alter the function or response characteristics of equipment as described in the FSAR.

2.4 YES ___ NO ✓ A CHANGE TO THE TECHNICAL SPECIFICATIONS OR THE FACILITY OPERATING LICENSE.

This applies to any change to the Technical Specifications, including the Bases, regardless of the apparent effect of the change. If "YES", a detailed safety evaluation and NRC approval is required prior to implementation.

3.0 If the answer to ALL the above questions is "NO" a Nuclear Safety Evaluation (10 CFR 50.59 "Unreviewed Safety Question" determination) is not required. Indicate the sections of the FSAR, Technical Specifications, Emergency Plan, Security Plan or applicable documents reviewed. (Use additional pages as necessary).

FSAR CHAPTER 11

T.S. SECTION 3/4.11

4.0 If the answer to any of the above questions is "YES" a Nuclear Safety Evaluation (10 CFR 50.59 "Unreviewed Safety Question" determination) must be performed. Indicate in the space provided in Step 3.0 the sections of the FSAR, Technical Specifications, Emergency Plan, Security Plan or applicable documents reviewed.

Evaluation Performed by: [signature] Date 7/10/89

Reviewed by (Subcommittee if applicable): [signature] Date 7/11/89

PNSRC Review Meeting No. Mtg 2280 Date 7-13-89

Tech 8-5

PROCEDURE/INSTRUCTION REVIEW CHECKLIST

Procedure/Instruction Number: 12PMP3150PCP001 Revision: 13
Title: RADIOACTIVE WASTE PROCESS CONTROL MANUAL

Section I - Classification and Review Requirements

		Yes	No	N/A
1.	New Procedure/Instruction or Major Revision		✓	
	Distribution: Review Priority 1 2 3			
	Instructions			
	Procedures - QA, ___, ___, ___			
	(Use Section IV to document review)			
	QC Attribute Review Required		✓	
	Walkdown Performed		*	✓
			* Attach Explanation	
2.	Minor Revision	✓		
3.	Change Sheet Incorporation	✓		
	Number of CS's 1			
	(Attach copies)			
4.	Two Year Review Revision		✓	

Section II - Safety Determination and Evaluation

		Yes	No	N/A
1.	Procedure/Instruction is Safety Related		✓	
2.	Procedure/Instruction changes are safety related		✓	
3.	Nuclear Safety Evaluation Checklist (PMI-1040 Attachment No. 2)	✓		
	Safety Evaluation Complete			✓

Checklist Prepared by: [signature] Date: 7-10-89

Section III - Subcommittee Review

1. Checklist Review Completed
2. Comments resolved (if applicable)
3. Safety Determination/Evaluation Complete
4. Appropriate attachments included

Recommended for PNSRC Approval [signature] Date 7/11/89
(Subcommittee Member)

QA Subcommittee Member [signature] Date 7-12-89

Note: If the procedure/instruction is submitted directly to the full committee, these checks may not be required and may be omitted by placing an "N/A" in the appropriate blanks.

INDIANA MICHIGAN POWER

Form 5326

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No.	12 PMP 3150 PCP.001
Revision No.	14

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

SCOPE OF REVISION

Minor Revision. Deleted Appendix B, Attachments V, VI, and XX, and portions of the body of the procedure which have been incorporated into 12 PMP 3150 PCP.100. Changed the objective to better describe the objective of the procedure. Added 12 PMP 3150 PCP.100 to the references. Changed the title. Renumbered steps and pages as necessary. Made whole procedure Rev. 14 for ease of clerical changeout. Only used marginal markings for text changes (not page and step numbering changes).

SIGNATURES	REVISION NUMBER			
• • • • • •	REV. 14			
PREPARED BY	[illegible]			
DEPARTMENT HEAD APPROVAL	James [illegible]			
INTERFACING DEPARTMENT HEAD CONCURRENCE	N/A			
QUALITY ASSURANCE SUPERVISOR APPROVAL	[illegible]			
PLANT NUCLEAR SAFETY COMMITTEE	#2313			
PLANT MANAGER APPROVAL	[illegible]			
APPROVAL DATE	11/22/89			
EFFECTIVE DATE	11/22/89			

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT

RADIOACTIVE WASTE PROCESS CONTROL MANUAL

1.0 OBJECTIVE

This procedure is to give directions for assisting in ensuring that all plant generated radioactive wastes are transferred, packaged and shipped such that radioactive waste shipment and burial regulations are satisfied. Portions of this procedure may be completed as necessary.

2.0 REFERENCES

2.1 Code of Federal Regulations Title 49

2.2 Code of Federal Regulations Title 10

2.3 NRC Radioactive Material License No. 12-13536-01

2.4 State of South Carolina, Radioactive Materials License No. .097.

2.5 NRC Radioactive Materials License No. 12-20378-01.

2.6 Technical Specifications, Appendix A to License No. DPR-58.

2.7 Technical Specifications, Appendix A to License No. DPR-74.

2.8 U.S. Ecology Incorporated, State of Nevada, Department of Human Resources, Division of Health, Radioactive Materials License No. 13-11-0043-02.

2.9 NRC Radioactive Materials License No. 29-21348-01

2.10 U.S. Ecology, Incorporated, State of Washington Radioactive Materials License No. WN-I019-02.

2.11 U.S. Ecology Incorporated, NRC, Washington License 16-19204-01.

2.12 NRC Technical Position on Waste Form

2.13 NRC Additional Guidance on the Implementation of 10 CFR 61.

2.33 Low-Level Radioactive Waste Policy Amendments Act of 1985.

2.34 12 THP 6010 ENV.022

2.35 12 THP 6010 ENV.023

2.36 12 PMP 3150 PCP.100, Rev. 0, Radioactive Waste Process Control Program

3.0 PRECAUTIONS

3.1 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or crushed prior to placing in a package for shipment.

3.2 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.3 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.4 No Type B fissile class radioactive material shipments shall be made without an approved procedure for fissile class Type B shipments.

3.5 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is <u>not</u> authorized unless it is specifically provided for in the Certificate of Compliance issued by the NRC.

If there are any changes in the Prior Notification and Manifest for the Barnwell Site, the State of South Carolina must be notified in addition to the Burial Site.

State of South Carolina *

Notification to the Michigan Public Health must be given prior to shipment. (See Attachment XIII)

Michigan Public Health *
(Nuclear Facility Secretary)

Indiana State Police *
(Operations) Courtesy call i.e. not required

9.0 SHIPPING

9.1 All shipping of radioactive materials for burial or for other reasons are required by procedure to comply with all NRC and DOT regulations. All packaging in the above steps of this program are designed to insure compliance with all the appropriate regulations. The following procedures are used to insure and/or verify compliance with the regulations.

PMI 3150	Receipt And Shipment Of Radioactive Materials.
12 THP 6010 ENV.024	Shipment Of Radioactive Materials
12 THP 6010 ENV.021	Cask Handling Procedure for Greater Then Type A Shipments
12 THP 6010 ENV.023	Cask Handling Procedure for LSA and Type A Shipments

Donald C. Cook Nuclear Plant • Units 1 & 2

Semi-Annual Radioactive Effluent Release Report

January 1, through June 30, 1989

Indiana & Michigan Electric Company
Bridgman, Michigan

Docket Nos. 50-315 & 50-316
License Nos. DPR-58 & DPR-74

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LIST OF APPENDICES

I. INTRODUCTION

This report discusses the radioactive discharges from Units 1 and 2 of the Donald C. Cook Nuclear Plant during the first half of 1989 in accordance with the requirements of Cook Nuclear Plant Technical Specifications Sections 6.9.1.8 and 6.9.1.9.

The table below summarizes the pertinent statistics concerning the Plant's operation during the period from January 1, 1989 to June 30, 1989. The data in this table and the descriptive information on plant operation is based upon the respective Unit's Monthly Operating Reports for the reporting period.

Parameter	Unit 1	Unit 2
Gross Electrical Generation (MWhr)	1300260	2247060
Unit Service Factor (%)	41.5	50.7
Unit Capacity Factor - MDC Net (%)	27.9	47.1

Unit 1 entered the reporting period in Mode 1 at 90% rated thermal power (RTP) until January 14, 1989, when a power reduction to 71% RTP for core stretch out was achieved. On January 16, 1989, Unit 1 reactor tripped. The cause of the trip was an operator error which induced the loss of main condenser vacuum. The condition was corrected and the generator was paralleled the same day. On January 18, 1989, the Unit 1 reactor reached 70% RTP. The unit remained at 70% until February 4, 1989. A power reduction to 54% was begun to remove the east main feed pump from service for repairs to the pump's emergency leakoff line. Following repairs, the unit increased to 73% RTP on February 6, 1989. A power reduction to 54% RTP for core life extension was started on February 28, 1989 and was reached on March 1, 1989. On March 17, 1989 a power reduction was started to remove the unit from service for cycle 10-11 refueling outage. On March 18, 1989, the unit experienced a reactor trip at 11% RTP, removing the unit from service. The unit remained out of service the rest of this reporting period.

Unit 2 entered the reporting period in Mode 6, continuing with the cycle 6-7 refueling and steam generator repair project. The initial criticality for cycle 7 was achieved on March 15, 1989. Following completion of low power physics testing, the unit was paralleled to the system on March 17, 1989. Reactor thermal power reached 48% on March 19, 1989. This power level was maintained until March 23, 1989, when a power reduction was commenced to perform repairs on a letdown isolation valve. The Unit was removed from parallel on March 24, 1989. Reactor power was gradually increased with 100% RTP being reached on March 28, 1989. On March 31, a reactor power reduction was initiated for condenser cleaning. On April 1, 1989, the power was reduced to 65% RTP and then ascended to 100% RTP. On April 8, 1989, a power reduction to 55% RTP was achieved. This reduction in power was needed to remove the main feed pumps from service in order to check their condensers for possible tube leaks. Also on April 8, following the inspection, the

unit was returned to 100% RTP. On April 14, 1989, power was again started to be reduced towards 55% RTP in preparation of the removal of the main feed pumps from service, in order to check their condensers for possible tube leaks. 55% RTP was achieved on April 15, 1989. On April 16, 1989, the unit started and achieved a power ascension to 100% RTP. On April 21, 1989, once again, the unit started power reduction to 55% RTP for the removal of the main feed pump condensers. They were checked for leaks and debris. On April 22, 1989, the reactor power was leveled off at 56% RTP. On April 23, 1989, the unit was returned to 100% RTP. The unit was shut down June 11, 1989, for containment leak inspection and lower containment ventilation unit air and waterside inspection and cleaning. On June 24, 1989, the unit was brought critical and paralleled to the system. 100% RTP was achieved June 25, 1989, where it remained for the rest of the reporting period.

II. RADIOACTIVE RELEASES AND RADIOLOGICAL IMPACT UPON MAN

Since a number of release points are common to both Units, the release data from both Units is combined to form this two unit, Semi-Annual Radioactive Effluent Release Report. Appendix 1 of this report presents the information in accordance with section 6.9.1.9 of Appendix A to the Facility Operating Licenses. As in previous reports, the effluents were well within the limits specified in the Technical Specification and 10 CFR Part 50, Appendix I. The "Midas System" by Pickard, Lowe and Garrick, Inc., is a computer code that calculates doses for all isotopes that were released by the plant.

Liquid Releases

During the first quarter of 1989, there were 48 liquid batch releases. 34 liquid batches were released during the second quarter.

There were no abnormal liquid releases during the first half of 1989. For the purpose of dose assessment, the batch releases were treated as continuous releases. The estimated doses (in millirems) to the maximum exposed individual via the liquid release pathway are given in appendices 1.2 and 1.3 of this report.

Gaseous Releases

During the first quarter of 1989, there were 43 gaseous batch releases. 71 gaseous batches were released during the second quarter.

As a result of NRC Inspection 50-315/89016 (DRSS) and 50-316/89017 (DRSS), all containment pressure relief's (CPR) were required to be reported as batch releases. As such, CPR releases made in the reporting period have been accounted for as batch releases. No gas decay tank releases were made.

The Semi-Annual Effluent Release Reports for the years of 1985 through 1988 have been revised to reflect this change in reporting. The corrected data is included in Appendix 1.1 of this report.

There were no abnormal gaseous releases during this reporting period. In calculating the dose consequences of continuous and batch gaseous releases during the first half of 1989, the meteorological data measured at the time of these releases was used. The estimated doses (in millirems) to the maximally exposed individual via the gaseous release pathway are given in Appendices 1.2 and 1.3 of this report.

Solid Waste Disposition

There were 44 shipments of radioactive waste made during this reporting period, compared to 37 for the last half of 1988. These shipments included all of those made for the steam generator repair project.

III. METEOROLOGICAL DATA

Appendices 2.1 and 2.2 of this report contain the cumulative joint frequency distributions of wind speed and wind direction, corresponding to the various atmospheric stability classes for the first and second quarters of 1989. Hourly meteorological data for the same period are to be found in Appendix 2.3 of this report. This hourly meteorological data corresponds to the gaseous batch releases. The "Midas System" by Pickard, Lowe and Garrick, Inc., is a computer code that processes the plant's meteorological data.

IV. PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was revised during the reporting period. The scope of the revision and PNSRC approval is documented on each procedure cover sheet. These revisions did not reduce the overall conformance of the solidified waste product to existing criteria for solid waste. The affected pages to the PCP procedure are included as Appendix 3.0 of this report.

V. OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

The Offsite Dose Calculation Manual, PMP 6010.OSD.001 was changed during this reporting period. The reasons for the changes and PNSRC approval are documented on the procedure cover sheet. The affected pages to the ODCM procedure are included as Appendix 4.0 of this report.

VI. CONCLUSION

Based on the information presented in this report, it is concluded that the Donald C. Cook Units 1 and 2 performed their intended design function with no demonstrable hazard to the health and safety of the general public.

APPENDIX 1.1

Radioactive Release Data
January 1 - June 30, 1989

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

Supplemental Information

Facility: D. C. Cook Plant
Licensee: Indiana Michigan Power Company

1. Regulatory Limits

A. Noble Gases

The air dose in unrestricted areas due to noble gases released in gaseous effluents shall be limited to the following:

1. During any calendar quarter, to $\leq$ 5 mrad for gamma radiation and $\leq$ 10 mrad for beta radiation;

2. During any calendar year, to $\leq$ 10 mrad for gamma radiation and $\leq$ 20 mrad for beta radiation.

B. Iodines - Particulates

The dose to a member of the public from radioiodines, radioactive materials in particulate form, and radionuclides other than noble gases with half-lives greater than 8 days in gaseous effluents released to unrestricted areas shall be limited to the following:

1. During any calendar quarter to $\leq$ 7.5 mrem to any organ;

2. During any calendar year to $\leq$ 15 mrem to any organ.

C. Liquid Effluents

The dose or dose commitment to an individual from radioactive material in liquid effluents released to unrestricted areas shall be limited:

1. During any calendar quarter to $\leq$ 1.5 mrem to the total body and to $\leq$ 5 mrem to any organ;

2. During any calendar year to $\leq$ 3 mrem to the total body and to $\leq$ 10 mrem to any organ.

D. Total Dose

The dose or dose commitment to a real individual from all uranium fuel cycle sources is limited to ≤ 25 mrem to the total body or any organ (except the thyroid, which is limited to ≤ 75 mrem) over a period of 12 consecutive months.

2. Maximum Permissable Concentrations

A. Gaseous Effluents

The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

1. For noble gases: ≤ 500 mrem/yr to the total body and ≤ 3000 mrem/yr to the skin;

2. For all radioiodines and for all radioactive materials in particulate form and radionuclides (other than noble gases) with half-lives greater than 8 days: ≤ 1500 mrem/yr to any organ.

The above limits are provided to insure that radioactive material discharged in gaseous effluents will not result in the exposure of an individual in an unrestricted area to annual average concentrations exceeding the limits in 10 CFR Part 20, Appendix B, Table II.

B. Liquid Effluents

The concentration of radioactive material released at any time from the site to unrestricted areas shall be limited to the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2×10^{-4} μCi/ml total activity.

3. Average Energy

The average energy ($\bar{E}$) of the radionuclide mixture in releases of fission and activation gases is not applicable per Regulatory Guide 1.21 Appendix B Section A.3.

4. Measurements and Approximations of Total Radioactivity

A. Fission and Activation Gases

Sampled and analyzed on a 4096 channel analyzer and Hp Ge detector.

B. Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and Hp Ge detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Hp Ge detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Hp Ge. detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

48 releases in the 1st quarter, 1989
34 releases in the 2nd quarter, 1989

2. Total time period for batch releases:

17151 minutes

3. Maximum time for a batch release:

757 minutes

4. Average time period for batch release:

209 minutes

5. Minimum time period for a batch release:

100 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

886246 gpm circulating water

B. Gaseous

1. Number of batch releases:

43 in 1st quarter, 1989
71 in 2nd quarter, 1989

2. Total time period of batch releases:

   3118 minutes

3. Maximum time period for a batch release:

   63 minutes

4. Average time period for batch releases:

   27 minutes

5. Minimum time period for a batch release:

   15 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci				
Krypton-85m	Ci				
Krypton-87	Ci				
Krypton-88	Ci				
Xenon-133	Ci	1.21 E 0	1.02 E+1	9.33 E-1	9.87 E 0
Xenon-135	Ci	6.89 E-1			2.28 E-1
Xenon-135m	Ci				
Xenon-138	Ci				
Xenon-133m	Ci				8.00 E-2
Xenon-131m	Ci				6.18 E-2
Argon-41	Ci	6.74 E 0			
Total for Period	Ci	8.64 E 0	1.02 E+1	9.33 E-1	1.02 E+1
2. IODINES					
Iodine-131	Ci	9.77 E-6	2.24 E-4		2.24 E-5
Iodine-133	Ci		4.92 E-5		2.06 E-5
Iodine-135	Ci				
Total for Period	Ci	9.77 E-6	2.73 E-4		4.30 E-5
3. PARTICULATES					
Strontium-89	Ci	2.86 E-5			
Strontium-90	Ci	6.05 E-6			
Cesium-134	Ci	2.30 E-4			
Cesium-137	Ci	6.97 E-4	5.27 E-8	1.10 E-6	
Iron-59	Ci				
Cobalt-58	Ci	3.84 E-4	2.74 E-5		
Cobalt-60	Ci	2.41 E-4	5.12 E-5		
Manganese-54	Ci				
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cadmium-109	Ci	1.06 E-7			
Total for Period	Ci	1.59 E-3	7.87 E-5	1.10 E-6	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	1st Quarter	2nd Quarter	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release.	Ci	9.57 E 0	2.04 E+1	1.36 E+1
2. Average release rate for period.	µCi/sec	1.20 E 0	2.57 E 0	
3. Percent of Technical Specification limit. (T/S 3.11.2.2 Limit)	% γ	1.10 E-1	1.23 E-2	
	% β	2.16 E-2	1.83 E-2	
B. IODINES				
1. Total Iodine-131.	Ci	9.77 E-6	3.16 E-4	7.83 E 0
2. Average release rate for period.	µCi/sec	1.23 E-6	3.98 E-5	
3. Percent of Technical Specification limit. (T/S 3.11.2.3 Limit)	%	3.55 E-1	1.76 E-1	
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	1.59 E-3	7.87 E-5	1.93 E+1
2. Average release rate for period.	µCi/sec	2.00 E-4	9.90 E-6	
3. Percent of Technical Specification limit.*	%	3.55 E-1	1.76 E-1	
4. Gross alpha radioactivity. *(T/S 3.11.2.3 Limit)	Ci	<7.38 E-7	<3.95 E-7	
D. TRITIUM				
1. Total release.	Ci	1.76 E 0	4.93 E 0	2.93 E-1
2. Average release rate for period.	µCi/sec	2.21 E-1	6.20 E-1	
3. Percent of Technical Specification limit. (10 CFR 20 Limit)	%	1.75 E 0	4.63 E 0	

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B. Iodines

Sampled on an activated carbon filter or silver zeolite cartridge and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

29 releases in the 1st quarter, 1985
42 releases in the 2nd quarter, 1985

2. Total time period for batch releases:

10,901 minutes

3. Maximum time for a batch release:

179 minutes

4. Average time period for batch release:

154 minutes

5. Minimum time period for a batch release:

136 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

832,535 gpm circulating water

B. Gaseous

1. Number of batch releases:

127 in 1st quarter, 1985
34 in 2nd quarter, 1985

2. Total time period of batch releases:

   5095 minutes

3. Maximum time period for a batch release:

   93 minutes

4. Average time period for batch releases:

   32 minutes

5. Minimum time period for a batch release:

   4 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1985
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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci	3.65 E+2		2.50 E+1	1.91 E+1
Krypton-85m	Ci	1.67 E-1	9.07 E-2	4.71 E-1	
Krypton-87	Ci	1.16 E-1	8.56 E-2		
Krypton-88	Ci	3.03 E-1	1.43 E-1	5.97 E-1	
Xenon-133	Ci	1.96 E+3	8.32 E+2	5.42 E+2	1.01 E+3
Xenon-135	Ci	3.80 E+1	3.02 E+1	7.58 E 0	4.32 E 0
Xenon-135m	Ci	3.98 E-3	9.98 E-1		
Xenon-138	Ci	6.10 E-2	2.43 E-1		
Xenon-133m	Ci	8.99 E 0	7.22 E 0	3.94 E 0	1.38 E+1
Xenon-131m	Ci	1.94 E+1		2.06 E 0	1.68 E+1
Argon-41	Ci	1.30 E-1	4.28 E-1		
Total for Period	Ci	2.39 E+3	8.71 E+2	5.82 E+2	1.06 E+3
2. IODINES					
Iodine-131	Ci	1.83 E-2	7.85 E-2	3.25 E-3	7.37 E-4
Iodine-133	Ci	9.50 E-4	8.88 E-4	3.28 E-4	3.25 E-4
Iodine-135	Ci		7.71 E-5		
Total for Period	Ci	1.93 E-2	7.95 E-2	3.58 E-3	1.06 E-3
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	8.58 E-4	2.64 E-5	3.75 E-6	1.54 E-5
Cesium-137	Ci	8.63 E-4	7.00 E-5	5.74 E-6	1.68 E-5
Iron-59	Ci				
Cobalt-58	Ci	8.09 E-4	2.48 E-5	5.16 E-6	3.46 E-6
Cobalt-60	Ci	4.81 E-4	4.45 E-5	7.91 E-6	2.59 E-6
Manganese-54	Ci	2.71 E-5			
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cesium-136		2.35 E-5			
Total for Period	Ci	3.06 E-3	1.66 E-4	2.26 E-5	3.83 E-5

B. Iodines

Sampled on an activated carbon filter or silver zeolite cartridge and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

67 releases in the 3rd quarter, 1985
58 releases in the 4th quarter, 1985

2. Total time period for batch releases:

19583 minutes

3. Maximum time for a batch release:

183 minutes

4. Average time period for batch release:

157 minutes

5. Minimum time period for a batch release:

98 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

544,640 gpm circulating water

B. Gaseous

1. Number of batch releases:

11 in 3rd quarter, 1985
89 in 4th quarter, 1985

2. Total time period of batch releases:

3907 minutes

3. Maximum time period for a batch release:

152 minutes

4. Average time period for batch releases:

39 minutes

5. Minimum time period for a batch release:

18 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 3	Continuous Mode Quarter 4	Batch Mode Quarter 3	Batch Mode Quarter 4
1. FISSION GASES					
Krypton-85	Ci			3.15 E 0	4.31 E 0
Krypton-85m	Ci	5.45 E-2	4.58 E-4		
Krypton-87	Ci	7.05 E-2	4.68 E-3		
Krypton-88	Ci	4.91 E-2			
Xenon-133	Ci	1.82 E+1	3.55 E-2	2.12 E 0	2.30 E 0
Xenon-135	Ci	1.00 E+1	5.53 E-2	3.29 E-2	1.25 E-2
Xenon-135m	Ci	3.75 E-1	3.82 E-2		
Xenon-138	Ci	2.21 E-1	1.67 E-3		
Xenon-133m	Ci			3.69 E-2	
Xenon-131m	Ci			1.05 E-2	
Argon-41	Ci	2.64 E 0	1.13 E-1		7.77 E-4
Total for Period	Ci	3.16 E+1	2.49 E-1	5.35 E 0	6.62 E 0
2. IODINES					
Iodine-131	Ci	2.47 E-3	3.60 E-5	9.05 E-6	
Iodine-133	Ci	1.30 E-2	4.18 E-5	6.91 E-6	
Iodine-135	Ci	9.98 E-3			
Iodine-132	Ci	2.73 E-4			
Total for Period	Ci	2.57 E-2	7.78 E-5	1.60 E-5	
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci		2.73 E-3		
Cesium-137	Ci	2.66 E-4	3.20 E-3		
Iron-59	Ci	1.44 E-4			
Cobalt-58	Ci	2.04 E-2	1.70 E-2	2.50 E-7	
Cobalt-60	Ci	6.16 E-4	1.87 E-3		6.09 E-7
Manganese-54	Ci	1.98 E-4	1.96 E-3		
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-~~141~~ 139	Ci	1.54 E-5	7.77 E-6		
Cerium-144	Ci				
Chromium-51	Ci	1.34 E-2	4.87 E-4		
Zirconium-Niobium-95	Ci	5.14 E-3	3.79 E-3		
Total for Period	Ci	4.02 E-2	3.10 E-2	2.50 E-7	6.09 E-7

B. Iodines

Sampled on iodine absorbing/media and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

35 releases in the 1st quarter, 1986
30 releases in the 2nd quarter, 1986

2. Total time period for batch releases:

9955 minutes

3. Maximum time for a batch release:

183 minutes

4. Average time period for batch release:

153 minutes

5. Minimum time period for a batch release:

120 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

615,692 gpm circulating water

B. Gaseous

1. Number of batch releases:

117 in 1st quarter, 1986
66 in 2nd quarter, 1986

2. Total time period of batch releases:

5390 minutes

3. Maximum time period for a batch release:

142 minutes

4. Average time period for batch releases:

29 minutes

5. Minimum time period for a batch release:

1 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1986
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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci				1.35 E 0
Krypton-85m	Ci	2.97 E-2			
Krypton-87	Ci	4.54 E-2	6.05 E-4		
Krypton-88	Ci	5.77 E-2			
Xenon-133	Ci	2.89 E+1	7.60 E+1	2.34 E+1	3.87 E+1
Xenon-135	Ci	3.10 E-1	6.72 E-3	1.20 E-1	2.13 E-1
Xenon-135m	Ci	1.14 E-1			
Xenon-138	Ci	3.08 E-2			
Xenon-133m	Ci			1.34 E-1	1.67 E-1
Xenon-131m	Ci			1.29 E-1	3.59 E-1
Argon-41	Ci	2.05 E-1			
Total for Period	Ci	2.97 E+1	7.60 E+1	2.38 E+1	4.08 E+1
2. IODINES					
Iodine-131	Ci	1.73 E-3	1.24 E-2	8.39 E-6	5.74 E-4
Iodine-133	Ci	9.81 E-4	5.71 E-4	5.90 E-6	2.28 E-4
Iodine-135	Ci	3.39 E-6			
Total for Period	Ci	2.71 E-3	1.30 E-2	1.43 E-5	8.02 E-4
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	2.07 E-4	1.60 E-4		5.16 E-4
Cesium-137	Ci	3.58 E-4	2.27 E-4		4.53 E-4
Iron-59	Ci				
Cobalt-58	Ci	2.51 E-3	1.59 E-5		2.22 E-6
Cobalt-60	Ci	1.40 E-5			
Manganese-54	Ci	6.27 E-6			
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cerium-139	Ci	1.30 E-6			
Cesium-136	Ci				1.10 E-4
Total for Period	Ci	3.10 E-3	4.03 E-4	No Activity Detected	1.08 E-3

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B. Iodines

Sampled on iodine adsorbing/media and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

42 releases in the 3rd quarter, 1986
27 releases in the 4th quarter, 1986

2. Total time period for batch releases:

10883 minutes

3. Maximum time for a batch release:

217 minutes

4. Average time period for batch release:

158 minutes

5. Minimum time period for a batch release:

124 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

640,000 gpm circulating water

B. Gaseous

1. Number of batch releases:

67 in 3rd quarter, 1986
65 in 4th quarter, 1986

2. Total time period of batch releases:

3788 minutes

3. Maximum time period for a batch release:

95 minutes

4. Average time period for batch releases:

29 minutes

5. Minimum time period for a batch release:

14 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	1

2. Total activity released:

3rd Quarter	4th Quarter
0	9.28 E-1

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 2nd Half 19
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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 3	Continuous Mode Quarter 4	Batch Mode Quarter 3	Batch Mode Quarter 4
1. FISSION GASES					
Krypton-85	Ci			9.94 E-1	2.56 E 0
Krypton-85m	Ci		5.21 E-3		2.68 E-4
Krypton-87	Ci		9.99 E-3		
Krypton-88	Ci				
Xenon-133	Ci	2.76 E+1	9.66 E+1	2.28 E+1	8.01 E 0
Xenon-135	Ci	1.94 E-2	5.39 E-2	4.25 E-2	9.72 E-3
Xenon-135m	Ci		7.74 E-3		
Xenon-138	Ci				
Xenon-133m	Ci			3.59 E-2	7.06 E-3
Xenon-131m	Ci			7.10 E-2	2.45 E-2
Argon-41	Ci		6.75 E-3		
Total for Period	Ci	2.76 E+1	9.67 E+1	2.39 E+1	1.06 E+1
2. IODINES					
Iodine-131	Ci	9.93 E-4	3.55 E-4	4.03 E-5	
Iodine-133	Ci	3.81 E-5	2.40 E-4	1.93 E-5	
Iodine-135	Ci				
Total for Period	Ci	1.03 E-3	5.95 E-4	5.96 E-5	No iodine detected
3. PARTICULATES					
Strontium-89	Ci	4.58 E-7			
Strontium-90	Ci				
Cesium-134	Ci	1.79 E-4	3.85 E-4	2.21 E-5	
Cesium-137	Ci	4.50 E-4	4.90 E-4	2.31 E-5	
Iron-59	Ci				
Cobalt-58	Ci	3.93 E-4			
Cobalt-60	Ci	1.31 E-4	5.68 E-6		
Manganese-54	Ci	7.39 E-5			
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cesium - 136	Ci			2.99 E-6	
Total for Period	Ci	1.23 E-3	8.81 E-4	4.82 E-5	No activity detected

B. Iodines

Sampled on iodine adsorbing/media and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

59 releases in the 1st quarter, 1987
63 releases in the 2nd quarter, 1987

2. Total time period for batch releases:

20160 minutes

3. Maximum time for a batch release:

483 minutes

4. Average time period for batch release:

165 minutes

5. Minimum time period for a batch release:

92 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

682459 gpm circulating water

B. Gaseous

1. Number of batch releases:

95 in 1st quarter, 1987
74 in 2nd quarter, 1987

2. Total time period of batch releases:

   4594 minutes

3. Maximum time period for a batch release:

   73 minutes

4. Average time period for batch releases:

   27 minutes

5. Minimum time period for a batch release:

   3 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1 Quarter	2 Quarter
0	0

2. Total activity released:

1 Quarter	2 Quarter
0	0

B. Gaseous

1. Number of Releases:

1 Quarter	2 Quarter
1	0

2. Total activity released:

1 Quarter	2 Quarter
1.16 E 0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1987
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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci			4.11 E 0	8.55 E 0
Krypton-85m	Ci	2.17 E-2	3.79 E-2		1.80 E-1
Krypton-87	Ci	2.26 E-2	4.03 E-2		1.90 E-2
Krypton-88	Ci	5.44 E-2	1.37 E-1		5.90 E-1
Xenon-133	Ci	1.28 E+2	1.73 E+2	6.82 E+1	1.25 E+2
Xenon-135	Ci	1.17 E-1	4.75 E 0	4.70 E-1	3.45 E 0
Xenon-135m	Ci	2.12 E-2	4.42 E-2		7.06 E-2
Xenon-138	Ci	4.80 E-3	1.20 E-2		
Xenon-133m	Ci	3.70 E-3	7.14 E-3	3.87 E-1	1.47 E 0
Xenon-131m	Ci			5.03 E-1	1.10 E 0
Argon-41	Ci	2.43 E-2	2.18 E-1		5.72 E-2
Total for Period	Ci	1.28 E+2	1.78 E+2	7.37 E+1	1.40 E+2
2. IODINES					
Iodine - 132	Ci		1.24 E-5	1.63 E-5	
Iodine-131	Ci	1.17 E-2	2.66 E-2	4.52 E-4	1.76 E-3
Iodine-133	Ci	5.09 E-4	3.32 E-3	8.77 E-5	1.27 E-3
Iodine-135	Ci		3.58 E-5	3.37 E-5	4.56 E-4
Total for Period	Ci	1.22 E-2	3.00 E-2	5.90 E-4	3.49 E-3
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	1.00 E-4	4.15 E-3	2.71 E-6	1.86 E-4
Cesium-137	Ci	1.20 E-4	4.07 E-3	3.38 E-6	1.59 E-4
Iron-59	Ci				
Cobalt-58	Ci		2.24 E-4	5.55 E-7	
Cobalt-60	Ci		6.69 E-5		
Manganese-54	Ci		3.05 E-5		
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-~~141~~ 139	Ci	2.53 E-6			
Niobium-95	Ci		3.98 E-5		
Cesium-136	Ci		1.87 E-4		3.38 E-5
Yttrium-88	Ci	9.18 E-6	1.44 E-7		
Total for Period	Ci	2.32 E-4	8.77 E-3	6.65 E-6	3.79 E-4

B. Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

63 releases in the 3rd quarter, 1987
51 releases in the 4th quarter, 1987

2. Total time period for batch releases:

19272 minutes

3. Maximum time for a batch release:

596 minutes

4. Average time period for batch release:

169 minutes

5. Minimum time period for a batch release:

83 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

734386 gpm circulating water

B. Gaseous

1. Number of batch releases:

20 in 3rd quarter, 1987
112 in 4th quarter, 1987

2. Total time period of batch releases:

3491 minutes

3. Maximum time period for a batch release:

90 minutes

4. Average time period for batch releases:

26 minutes

5. Minimum time period for a batch release:

16 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	1

2. Total activity released:

3rd Quarter	4th Quarter
0	1.11 E-4

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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 3	Continuous Mode Quarter 4	Batch Mode Quarter 3	Batch Mode Quarter 4
1. FISSION GASES					
Krypton-85	Ci			8.51 E 0	
Krypton-85m	Ci	2.30 E-2	2.88 E-2		
Krypton-87	Ci	2.18 E-2	3.13 E-2		
Krypton-88	Ci	1.67 E-1	2.29 E-1		
Xenon-133	Ci	2.10 E+2	3.74 E+1	5.56 E+1	3.09 E+1
Xenon-135	Ci	6.66 E 0	3.82 E 0	4.14 E-1	3.27 E-1
Xenon-135m	Ci	2.43 E-2	4.13 E-2		
Xenon-138	Ci	1.14 E-2	1.60 E-2		
Xenon-133m	Ci	2.81 E-3	6.03 E-3	3.08 E-1	2.08 E-1
Xenon-131m	Ci			1.23 E 0	
Argon-41	Ci	7.07 E-2	1.06 E-1	2.65 E-2	2.23 E-1
Total for Period	Ci	2.17 E+2	4.17 E+1	6.61 E+1	3.17 E+1
2. IODINES					
Iodine-131	Ci	1.20 E-2	2.85 E-4	2.93 E-4	1.72 E-4
Iodine-133	Ci	9.48 E-4	5.56 E-4	1.48 E-4	2.85 E-5
Iodine-135	Ci				
Total for Period	Ci	1.29 E-2	8.41 E-4	4.41 E-4	2.01 E-4
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	3.39 E-4	3.47 E-4	5.13 E-6	1.86 E-6
Cesium-137	Ci	4.13 E-4	4.87 E-4	6.85 E-6	3.09 E-6
Iron-59	Ci				
Cobalt-58	Ci	5.67 E-6	8.23 E-6		
Cobalt-60	Ci		2.08 E-5		
Manganese-54	Ci				
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Yttrium-88	Ci	1.98 E-5	4.06 E-6		
Total for Period	Ci	7.77 E-4	8.67 E-4	1.20 E-5	4.95 E-6

B. Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and Ge(Li) detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

43 releases in the 1st quarter, 198 8
36 releases in the 2nd quarter, 198 8

2. Total time period for batch releases:

15136 minutes

3. Maximum time for a batch release:

1550 minutes

4. Average time period for batch release:

192 minutes

5. Minimum time period for a batch release:

114 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

687089 gpm circulating water

B. Gaseous

1. Number of batch releases:

119 in 1st quarter, 1988
41 in 2nd quarter, 1988

2. Total time period of batch releases:

   3475 minutes

3. Maximum time period for a batch release:

   65 minutes

4. Average time period for batch releases:

   22 minutes

5. Minimum time period for a batch release:

   11 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

B. Gaseous

1. Number of Releases:

1st Quarter	2nd Quarter
0	0

2. Total activity released:

1st Quarter	2nd Quarter
0	0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT - 1st Half 1988 Revised

GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 1	Continuous Mode Quarter 2	Batch Mode Quarter 1	Batch Mode Quarter 2
1. FISSION GASES					
Krypton-85	Ci				1.52 E 0
Krypton-85m	Ci	6.60 E-2	3.85 E-2		4.04 E-2
Krypton-87	Ci	7.36 E-2	4.17 E-2		1.15 E-2
Krypton-88	Ci	4.24 E-1	2.80 E-1		
Xenon-133	Ci	7.18 E+1	3.14 E+1	2.28 E+1	1.13 E+2
Xenon-135	Ci	6.78 E 0	2.17 E-1		1.12 E 0
Xenon-135m	Ci	8.15 E-2	5.30 E-2		
Xenon-138	Ci	6.56 E-2	3.85 E-2		
Xenon-133m	Ci	2.73 E-2	1.65 E-2		1.21 E 0
Xenon-131m	Ci				8.08 E-1
Argon-41	Ci	7.40 E-2	6.39 E-2		1.68 E-1
Total for Period	Ci	7.94 E+1	3.21 E+1	2.28 E+1	1.18 E+2
2. IODINES					
Iodine-131	Ci	1.86 E-4	5.54 E-3		7.99 E-4
Iodine-133	Ci		4.23 E-4		3.90 E-4
Iodine-135	Ci				6.64 E-5
Total for Period	Ci	1.86 E-4	5.96 E-3		1.26 E-3
3. PARTICULATES					
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	6.78 E-5			1.09 E-5
Cesium-137	Ci	1.07 E-4	4.98 E-5		1.52 E-5
Iron-59	Ci				
Cobalt-58	Ci	1.60 E-5	2.63 E-5		
Cobalt-60	Ci				
Manganese-54	Ci				
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cerium-139			4.92 E-8		
Total for Period	Ci	1.91 E-4	7.61 E-5		2.61 E-5

B. Iodines

Sampled on iodine adsorbing media and analyzed on a 4096 channel analyzer and Hp Ge detector.

C. Particulates

Sampled on a glass filter and analyzed on a 4096 channel analyzer and Ge(Li) detector.

D. Liquid Effluents

Sampled and analyzed on a 4096 channel analyzer and Ge(Li) detector.

5. Batch Releases

A. Liquid

1. Number of batch releases:

26 releases in the 3rd quarter, 1988
47 releases in the 4th quarter, 1988

2. Total time period for batch releases:

10847 minutes

3. Maximum time for a batch release:

314 minutes

4. Average time period for batch release:

149 minutes

5. Minimum time period for a batch release:

106 minutes

6. Average stream flow during periods of release of effluent into a flowing stream:

504110 gpm circulating water

B. Gaseous

1. Number of batch releases:

131 in 3rd quarter, 1988
35 in 4th quarter, 1988

2. Total time period of batch releases:

4392 minutes

3. Maximum time period for a batch release:

99 minutes

4. Average time period for batch releases:

26 minutes

5. Minimum time period for a batch release:

12 minutes

6. Abnormal Releases

A. Liquid

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

B. Gaseous

1. Number of Releases:

3rd Quarter	4th Quarter
0	0

2. Total activity released:

3rd Quarter	4th Quarter
0	0

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GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode Quarter 3	Continuous Mode Quarter 4	Batch Mode Quarter 3	Batch Mode Quarter 4
1. FISSION GASES					
Krypton-85	Ci				
Krypton-85m	Ci				
Krypton-87	Ci				
Krypton-88	Ci				
Xenon-133	Ci	7.51 E-4	1.46 E 0	3.26 E 0	8.80 E-1
Xenon-135	Ci	9.17 E-4	2.69 E-3		
Xenon-135m	Ci		8.38 E-4		
Xenon-138	Ci				
Xenon-133m	Ci				
Xenon-131m	Ci				
Argon-41	Ci	2.78 E-2	5.61 E-2		
Total for Period	Ci	2.95 E-2	1.52 E 0	3.26 E 0	8.80 E-1
2. IODINES					
Iodine-131	Ci	2.61 E-4			
Iodine-133	Ci				
Iodine-135	Ci				
Total for Period	Ci	2.61 E-4			
3. PARTICULATES					
Zirconium-95	Ci		3.33 E-6		
Strontium-89	Ci				
Strontium-90	Ci				
Cesium-134	Ci	1.02 E-4	1.59 E-4		
Cesium-137	Ci	2.34 E-4	3.98 E-4		
Iron-59	Ci				
Cobalt-58	Ci		2.60 E-5		
Cobalt-60	Ci		3.42 E-7		
Manganese-54	Ci		3.39 E-6		
Zinc-65	Ci				
Molybdenum-99	Ci				
Cerium-141	Ci				
Cerium-144	Ci				
Cadmium-109	Ci	3.49 E-5			
Niobium-95	Ci		1.34 E-7		
Total for Period	Ci	3.71 E-4	5.90 E-4		

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

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GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Units	Quarter 3	Quarter 4	Est. Total Error, %
A. FISSION AND ACTIVATION GASES				
1. Total release.	Ci	3.29 E0	2.40 E0	1.29 E1
2. Average release rate for period.	µCi/sec	4.14 E-1	3.02 E-1	
3. Percent of Technical Specification limit. (T/S 3.11.2.2 Limit)	% γ β	9.34 E-3 1.18 E-2	3.82 E-3 3.69 E-1	
B. IODINES				
1. Total Iodine-131.	Ci	2.61 E-4	None Detected	1.42 E1
2. Average release rate for period.	µCi/sec	3.28 E-5		
3. Percent of Technical Specification limit. (T/S 3.11.2.3 Limit)	%	2.08 E-1		
C. PARTICULATES				
1. Particulates with half-lives > 8 days.	Ci	3.71 E-4	5.90 E-4	1.02 E1
2. Average release rate for period.	µCi/sec	4.67 E-5	7.42 E-5	
3. Percent of Technical Specification limit.	%	2.08 E-1	1.83 E-1	
4. Gross alpha radioactivity. *(T/S 3.11.2.3 Limit)	Ci	<5.23 E-6	<7.24 E-7	
D. TRITIUM				
1. Total release.	Ci	3.06 E-1	2.15 E-1	9.60 E-1
2. Average release rate for period.	µCi/sec	3.85 E-2	2.70 E-2	
3. Percent of Technical Specification limit. (10 CFR 20 Limit)	%	2.93 E-1	2.14 E-1	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE Quarter 1st	BATCH MODE Quarter 2nd	CONTINUOUS MODE Quarter 1st	CONTINUOUS MODE Quarter 2nd
Strontium-89	Ci	7.53 E-5	4.62 E-4		
Strontium-90	Ci	4.58 E-5	1.52 E-5		
Cesium-134	Ci	1.14 E-2	4.54 E-3	2.63 E-4	1.82 E-4
Cesium-137	Ci	1.76 E-2	9.45 E-3	6.98 E-4	6.31 E-4
Iodine-131	Ci	5.08 E-3	1.86 E-3		
Cobalt-58	Ci	5.53 E-2	2.32 E-1	1.00 E-3	5.47 E-4
Cobalt-60	Ci	3.91 E-2	1.83 E-2	6.06 E-4	1.32 E-4
Iron-59	Ci		5.77 E-4		
Zinc-65	Ci	6.49 E-4	5.65 E-4		
Manganese-54	Ci	3.76 E-3	7.53 E-3		
Chromium-51	Ci	2.93 E-3	9.33 E-3		
Iron-55	Ci	3.57 E-2	1.57 E-2		
Zirconium-Niobium-95	Ci	1.03 E-3	5.61 E-3		
Molybdenum-99	Ci				
Technetium-99M	Ci	4.28 E-5			
Barium-Lanthanum-140	Ci				
Cerium-141	Ci				
Antimony-122	Ci	1.15 E-3	5.21 E-4		8.85 E-6
Antimony-124	Ci	1.21 E-3	4.59 E-2		
Cesium-136	Ci	9.12 E-4	1.56 E-4		
Sodium-24	Ci	3.29 E-5	1.45 E-3	1.17 E-4	
Iodine-133	Ci	4.98 E-4	3.30 E-5		
Cobalt-57	Ci	8.30 E-4	8.40 E-3		
Zirconium-97	Ci	2.68 E-4	1.26 E-5		
Silver-110M	Ci	1.55 E-2	6.40 E-3		
Cerium-144	Ci				
Antimony-125	Ci	6.55 E-3	7.32 E-3		
Xenon-133	Ci	2.46 E-2	3.19 E-3		
Xenon-131M	Ci	1.08 E-4			
Xenon-133M	Ci	2.91 E-4			
Xenon-135	Ci	2.45 E-4	1.36 E-5		
Argon-41	Ci				

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH Quarter 1st	BATCH Quarter 2nd	CONTINUOUS Quarter 1st	CONTINUOUS Quarter 2nd	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	2.00 E-1	3.76 E-1	2.68 E-3	1.50 E-3	4.33 E 0
2. Average diluted concentration during period.	µCi/ml	5.87 E-9	1.60 E-8	5.36 E-12	2.96 E-12	
3. Percent of applicable limit.	%	6.60 E-2	5.72 E-2	1.99 E-5	1.23 E-5	
B. TRITIUM						
1. Total Release	Ci	1.65 E+2	1.77 E+2	1.27 E-1	1.40 E-2	1.87 E-1
2. Average diluted concentration during period.	µCi/ml	4.84 E-6	7.53 E-6	2.54 E-10	2.76 E-11	
3. Percent of applicable limit.	%	1.61 E-1	2.51 E-1	8.47 E-6	9.20 E-7	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	2.52 E-2	3.20 E-3	None Released	None Released	2.60 E 0
2. Average diluted concentration during period.	µCi/ml	7.39 E-10	1.36 E-10			
3. Percent of applicable limit.	%	3.70 E-4	6.80 E-5			

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1st Half 1989

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH Quarter 1st	BATCH Quarter 2nd	CONTINUOUS Quarter 1st	CONTINUOUS Quarter 2nd	Est. Total Error, %
D. GROSS ALPHA RADIOACTIVITY						
1. Total Release	ci	<1.18 E-4	<5.51 E-5	N/A	N/A	N/A
E. VOLUME OF WASTE RELEASED	Liters	3.05 E+6	2.11 E+6	6.07 E+7	4.92 E+7	2.00 E 0
F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	3.41 E+10	2.35 E+10	5.00 E+11	5.07 E+11	3.48 E 0

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

2nd Half 1988
Revised

LIQUID EFFLUENTS

Nuclides Released		BATCH MODE Quarter 3	BATCH MODE Quarter 4	CONTINUOUS MODE Quarter 3	CONTINUOUS MODE Quarter 4
Strontium-89	Ci	1.01 E-4	8.94 E-5		
Strontium-90	Ci	1.16 E-5	1.38 E-5		
Cesium-134	Ci	2.66 E-3	4.12 E-3	1.01 E-3	5.02 E-4
Cesium-137	Ci	4.12 E-3	6.45 E-3	2.13 E-3	1.45 E-3
Iodine-131	Ci	1.45 E-4	2.94 E-4		
Cobalt-58	Ci	1.39 E-2	3.07 E-2	1.46 E-5	7.62 E-5
Cobalt-60	Ci	6.37 E-3	4.28 E-2		1.49 E-5
Iron-59	Ci				
Zinc-65	Ci	2.22 E-4	7.99 E-4		
Manganese-54	Ci	8.54 E-3	1.41 E-2	3.39 E-5	2.88 E-5
Chromium-51	Ci	1.32 E-3	2.48 E-3		
Tin-113	Ci	5.39 E-5	2.15 E-4		
Zirconium-Niobium-95	Ci	4.54 E-4	1.18 E-3		8.94 E-6
Molybdenum-99	Ci				
Technetium-99M	Ci				
Barium-Lanthanum-140	Ci				
Cerium-141	Ci				
Iron-55	Ci	3.85 E-3	1.56 E-2		
Cesium-136	Ci	3.70 E-5	1.25 E-5		
Sodium-24	Ci		1.62 E-5		3.90 E-4
Iodine-133	Ci				
Cobalt-57	Ci	8.89 E-6	4.30 E-4		
Zirconium-97	Ci				
Silver-110M	Ci	1.40 E-3	2.33 E-3		
Cerium-144	Ci				
Antimony-125	Ci	1.48 E-3	3.26 E-2		
Antimony-124	Ci		5.72 E-4		
Xenon-133	Ci	2.12 E-4	1.04 E-2		
Xenon-131M	Ci				
Xenon-133M	Ci		1.05 E-4		
Xenon-135	Ci		9.13 E-5		3.43 E-5
Argon-41	Ci				

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 2nd Half 1988
Revised

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	BATCH Quarter 3	BATCH Quarter 4	CONTINUOUS Quarter 3	CONTINUOUS Quarter 4	Est. Total Error, %
A. FISSION AND ACTIVATION PRODUCTS						
1. Total Release (Not including Tritium, Alpha, Gases)	Ci	4.49 E-2	1.67 E-1	3.16 E-3	2.47 E-3	5.31 E 0
2. Average diluted concentration during period.	µCi/ml	5.79 E-9	1.29 E-8	7.60 E-12	5.87 E-12	
3. Percent of applicable limit.	%	2.05 E-2	3.27 E-2	5.25 E-5	4.52 E-5	
B. TRITIUM						
1. Total Release	Ci	1.98 E+2	4.12 E+2	4.89 E-1	1.42 E-1	1.95 E-1
2. Average diluted concentration during period.	µCi/ml	2.55 E-5	3.19 E-5	1.18 E-9	3.37 E-10	
3. Percent of applicable limit.	%	8.50 E-1	1.06 E 0	3.93 E-5	1.12 E-5	
C. DISSOLVED AND ENTRAINED GASES						
1. Total Release	Ci	2.12 E-4	1.06 E-2	NONE RELEASED	3.43 E-5	1.70 E 0
2. Average diluted concentration during period.	µCi/ml	2.73 E-11	8.22 E-10		8.15 E-14	
3. Percent of applicable limit.	%	1.37 E-5	4.11 E-4		4.08 E-6	

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal

1.

Type of Waste	Unit	6 month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m^3 Ci	1.74 E+1 1.05 E+2	1.0 E 0 2.0 E+1
b. Dry compressible waste, contaminated equipment, etc.	m^3 Ci	2.26 E+2 7.00 E+0	1.0 E 0 2.0 E+1
c. Irradiated components, control rods, etc.	m^3 Ci		
d. Other	m^3 Ci		

2. Estimate of Major Nuclide Composition

a.

CS-137	30 %	NI-63	13 %
CS-134	20 %	SB-125	3 %
CO-58	11 %	FE-55	3 %
CO-60	20 %		

b.

CO-60	28 %		
CO-58	4 %		
CS-137	49 %	H-3	2 %
CS-134	17 %		

3. Solid Waste Disposition

No. of Shipments	Mode of Transportation	Destination
41	Truck	Barnwell, SC
3	Truck	Richland, WA

4. Type of Containers Used for Shipment

Containers used are strong tight B-25 Metal Boxes and High Integrity.

5. Solidification Agent

There were no solidifications performed during the report period.

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	H3	Xe133	Xe133m	Xe135	Xe131m	I131	I133	Cs137		
G-89-01	3-2-89 3-4-89	1125 0620	2.80 E-3							1.10 E-6		
G-89-02	3-19-89 6-20-89	1655 0257	8.32 E-2	7.86 E-2								
G-89-03	6-12-89 6-16-89	2131 2145	8.63 E-2	6.56 E 0	8:00 E-2	8.28 E-1	6.18 E-2	2.24 E-5	2.06 E-5			
1-CPR-89-1	1-3-89 1-3-89	1155 1211		1.18 E-2								
1-CPR-89-2	1-6-89 1-6-89	0153 0210		1.16 E-2								
1-CPR-89-3	1-7-89 1-7-89	1151 1208		1.54 E-2								
1-CPR-89-4	1-11-89 1-11-89	1237 1254		1.26 E-2								
1-CPR-89-5	1-11-89 1-11-89	2017 2038		1.76 E-2								
1-CPR-89-6	1-14-89 1-14-89	0718 0735		8.52 E-3								
1-CPR-89-7	1-14-89 1-14-89	1426 1448		3.19 E-2								
1-CPR-89-8	1-16-89 1-16-89	2256 2317		2.38 E-2								
1-CPR-89-9	1-18-89 1-18-89	0414 0433		2.38 E-2								
1-CPR-89-10	1-19-89 1-19-89	1414 1438		3.03 E-2								
1-CPR-89-11	1-21-89 1-21-89	2012 2027		1.44 E-2								
1-CPR-89-12	1-22-89 1-22-89	1756 1812		1.37 E-2								
1-CPR-89-13	1-24-89 1-24-89	0450 0512		2.66 E-2								
1-CPR-89-14	1-25-89 1-25-89	1450 1519		2.84 E-2								
1-CPR-89-15	1-28-89 1-28-89	0355 0415		2.40 E-2								
1-CPR-89-16	1-29-89 1-29-89	1235 1301		3.37 E-2								
1-CPR-89-17	1-31-89 1-31-89	0021 0039		1.76 E-2								
1-CPR-89-18	1-31-89 1-31-89	1427 1457		3.43 E-2								
1-CPR-89-19	2-5-89 2-5-89	0236 0256		2.11 E-2								
1-CPR-89-20	2-7-89 2-7-89	0335 0355		2.57 E-2								
1-CPR-89-21	2-9-89 2-9-89	1438 1454		1.99 E-2								
1-CPR-89-22	2-10-89 2-10-89	1623 1640		2.03 E-2								
1-CPR-89-23	2-11-89 2-11-89	1553 1613		2.20 E-2								

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	Xe133
1-CPR-89-24	2-13-89 2-13-89	0430 0504	3.88 E-2
1-CPR-89-25	2-17-89 2-17-89	1741 1758	1.68 E-2
1-CPR-89-26	2-18-89 2-18-89	1210 1228	1.50 E-2
1-CPR-89-27	2-19-89 2-19-89	0415 0435	1.61 E-2
1-CPR-89-28	2-20-89 2-20-89	1213 1231	2.92 E-2
1-CPR-89-29	2-21-89 2-21-89	0130 0150	1.96 E-2
1-CPR-89-30	2-24-89 2-24-89	1212 1230	1.42 E-2
1-CPR-89-30A	2-25-89 2-25-89	0537 0555	1.93 E-2
1-CPR-89-31	2-25-89 2-25-89	1744 1759	1.96 E-2
1-CPR-89-32	2-27-89 2-27-89	1928 1946	2.26 E-2
1-CPR-89-33	3-10-89 3-10-89	1145 1207	2.33 E-2
1-CPR-89-34	3-13-89 3-13-89	0510 0536	2.46 E-2
1-CPR-89-35	3-14-89 3-14-89	0749 0809	1.79 E-2
1-CPR-89-36	3-14-89 3-14-89	1427 1445	1.35 E-2
1-CPR-89-37	3-17-89 3-17-89	1324 1355	2.32 E-2
1-CPR-89-38	6-26-89 6-26-89	1426 1452	2.32 E-2
2-CPR-89-01	3-13-89 3-13-89	0609 0651	8.15 E-3
2-CPR-89-02	3-14-89 3-14-89	1019 1052	3.22 E-2
2-CPR-89-03	3-17-89 3-17-89	1311 1335	1.11 E-2
2-CPR-89-04	4-20-89 4-20-89	0840 0943	4.92 E-2
2-CPR-89-05	4-22-89 4-22-89	1618 1648	2.60 E-2
2-CPR-89-06	4-24-89 4-24-89	0654 0719	3.63 E-2
2-CPR-89-07	4-24-89 4-24-89	2325 2357	2.89 E-2
2-CPR-89-08	4-25-89 4-25-89	1701 1722	1.94 E-2
2-CPR-89-09	4-26-89 4-26-89	1529 1555	2.87 E-2
2-CPR-89-10	4-27-89 4-27-89	0759 0822	2.98 E-2

[redacted]EAS[redacted] NUMBER	[redacted] DA[redacted] STOP DATE	ST[redacted] TIM[redacted] STOP TIME	[redacted] Xe133	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2-CPR-89-11	4-28-89 4-28-89	0003 0028	2.20 E-2									
2-CPR-89-12	4-28-89 4-28-89	1515 1541	2.57 E-2									
2-CPR-89-13	4-29-89 4-29-89	1035 1057	3.16 E-2									
2-CPR-89-14	4-30-89 4-30-89	1540 1611	3.33 E-2									
2-CPR-89-15	5-1-89 5-1-89	1141 1204	2.61 E-2									
2-CPR-89-16	5-1-89 5-1-89	2312 2338	2.43 E-2									
2-CPR-89-17	5-2-89 5-2-89	1846 1911	2.47 E-2									
2-CPR-89-18	5-3-89 5-3-89	1530 1554	2.79 E-2									
2-CPR-89-19	5-4-89 5-4-89	0356 0419	2.54 E-2									
2-CPR-89-20	5-4-89 5-4-89	1418 1445	3.55 E-2									
2-CPR-89-21	5-5-89 5-5-89	0236 0304	3.74 E-2									
2-CPR-89-22	5-6-89 5-6-89	0418 0452	3.49 E-2									
2-CPR-89-23	5-8-89 5-8-89	0236 0307	3.14 E-2									
2-CPR-89-24	5-11-89 5-11-89	2024 2048	2.93 E-2									
2-CPR-89-25	5-18-89 5-18-89	0337 0404	3.85 E-2									
2-CPR-89-26	5-18-89 5-18-89	1734 1810	4.38 E-2									
2-CPR-89-27	5-19-89 5-19-89	1239 1304	3.77 E-2									
2-CPR-89-28	5-20-89 5-20-89	0025 0055	4.26 E-2									
2-CPR-89-29	5-21-89 5-21-89	0347 0419	1.59 E-2									
2-CPR-89-30	5-22-89 5-22-89	0338 0404	3.47 E-2									
2-CPR-89-31	5-22-89 5-22-89	1750 1815	2.97 E-2									
2-CPR-89-32	5-23-89 5-23-89	1014 1045	5.01 E-2									
2-CPR-89-33	5-24-89 5-24-89	0518 0543	3.45 E-2									
2-CPR-89-34	5-24-89 5-24-89	1900 1929	4.12 E-2									
2-CPR-89-35	5-25-89 5-25-89	2240 2308	5.63 E-2									
2-CPR-89-36	5-27-89 5-27-89	1821 1847	5.64 E-2									
2-CPR-89-37	5-28-89 5-28-89	1349 1417	6.66 E-2									
2-CPR-89-38	5-29-89 5-29-89	0440 0507	6.44 E-2									

RELEASE NUMBER	START DATE STOP DATE	START TIME STOP TIME	Xe133
2-CPR-89-39	5-29-89 5-29-89	1644 1715	7.07 E-2
2-CPR-89-40	5-30-89 5-30-89	1521 1612	1.82 E-2
2-CPR-89-41	5-31-89 5-31-89	1437 1517	1.06 E-1
2-CPR-89-42	6-1-89 6-1-89	2117 2150	8.13 E-2
2-CPR-89-43	6-2-89 6-2-89	1832 1915	1.30 E-1
2-CPR-89-44	6-3-89 6-3-89	1633 1735	1.76 E-1
2-CPR-89-45	6-5-89 6-5-89	0409 0438	6.93 E-2
2-CPR-89-46	6-6-89 6-6-89	0143 0212	1.32 E-1
2-CPR-89-47	6-6-89 6-6-89	1919 2010	1.86 E-1
2-CPR-89-48	6-8-89 6-8-89	0445 0515	9.72 E-3
2-CPR-89-49	6-8-89 6-8-89	2204 2228	8.67 E-2
2-CPR-89-50	6-10-89 6-11-89	2350 0020	1.33 E-1
2-CPR-89-51	6-11-89 6-11-89	2005 2035	1.33 E-1
2-CPR-89-52	6-12-89 6-12-89	0050 0123	1.33 E-1
2-CPR-89-53	6-12-89 6-12-89	1138 1206	7.73 E-2
2-CPR-89-54	6-12-89 6-12-89	1920 1951	1.12 E-1
2-CPR-89-55	6-17-89 6-17-89	0722 0750	1.19 E-2
2-CPR-89-56	6-17-89 6-17-89	1936 2000	6.93 E-3
2-CPR-89-57	6-18-89 6-18-89	1114 1149	1.82 E-2
2-CPR-89-58	6-19-89 6-19-89	0510 0540	1.35 E-2
2-CPR-89-59	6-19-89 6-19-89	2027 2051	4.62 E-3
2-CPR-89-60	6-20-89 6-20-89	1535 1630	6.53 E-3
2-CPR-89-61	6-21-89 6-21-89	0648 0718	1.82 E-2
2-CPR-89-62	6-22-89 6-22-89	0113 0139	1.24 E-2
2-CPR-89-63	6-22-89 6-22-89	1825 1917	4.09 E-2
2-CPR-89-64	6-23-89 6-23-89	1938 2008	5.56 E-2
2-CPR-89-65	6-24-89 6-24-89	1843 1912	1.14 E-2
2-CPR-89-66	6-25-89 6-25-89	1328 1357	9.19 E-2

[redacted]LEAS[redacted] NUMBER	[redacted] DA[redacted] STOP DATE	ST[redacted] TI[redacted] STOP TIME	[redacted] Xe133	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2-CPR-89-67	6-26-89 6-26-89	0358 0422	1.54 E-2									
2-CPR-89-68	6-26-89 6-26-89	1917 1954	2.82 E-2									
2-CPR-89-69	6-27-89 6-28-89	2349 0021	2.36 E-2									
2-CPR-89-70	6-29-89 6-29-89	1358 1420	1.09 E-2									
2-CPR-89-71	6-30-89 6-30-89	0417 0453	1.63 E-2									
2-CPR-89-72	6-30-89 6-30-89	2021 2045	1.30 E-2									

The following distances were used in the calculation of the maximum individual doses:

Sector	Direction	Boundary (Meters)	Nearest Residence (Meters)
A	N	651	659
B	NNE	617	660
C	NE	789	943
D	ENE	1497	1747
E	E	1274	1716
F	ESE	972	1643
G	SE	629	1136
H	SSE	594	1507
J	S	594	1026
K	SSW	629	942

APPENDIX 1.2

Summary of Maximum Individual Doses
First Quarter, 1989

SUMMARY OF MAXIMUM INDIVIDUAL DOSES 1st Quarter 1989

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	8.07 E-2	Adult	Receptor 1	5.38 E 0	1.5
Liquid	Liver	1.12 E-1	Teen	Receptor 1	2.24 E 0	5.0
Noble Gas	Air Dose (Gamma-mrad)	5.48 E-3		594 S	1.10 E-1	5.0
Noble Gas	Air Dose (Beta-mrad)	2.16 E-3		594 S	2.16 E-2	10.0
Noble Gas	Total Body	4.98 E-3	All	659 N	9.96 E-2	Yearly 5.0
Noble Gas	Skin	8.14 E-3	All	659 N	5.43 E-2	Yearly 15.0
Iodines and Particulates	Liver	2.66 E-2	Child	659 N	3.55 E-1	7.5

FOR RECEPTOR NUMBER 1

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 89 1 1 1 END DATE 89 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	4.1E-07	4.2E-06	4.0E-06	4.4E-06	3.7E-06	3.5E-06	4.2E-06	0.0E+00
TEEN	4.0E-07	3.1E-06	2.8E-06	3.2E-06	2.7E-06	2.5E-06	2.9E-06	0.0E+00
CHILD	1.1E-06	6.1E-06	5.0E-06	6.6E-06	5.1E-06	4.8E-06	5.0E-06	0.0E+00
INFANT	1.2E-06	6.3E-06	4.9E-06	7.6E-06	5.0E-06	4.8E-06	4.8E-06	0.0E+00
SHORE								
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
TEEN	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	6.0E-07	7.0E-07
CHILD	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.5E-07
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	6.1E-05	1.0E-04	7.7E-05	1.2E-06	3.5E-05	1.2E-05	8.9E-06	0.0E+00
TEEN	6.4E-05	1.1E-04	4.4E-05	1.1E-06	3.6E-05	1.4E-05	6.3E-06	0.0E+00
CHILD	8.0E-05	9.4E-05	1.7E-05	1.1E-06	3.0E-05	1.1E-05	2.4E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 89 1 1 1 END DATE 89 33124

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
TOTAL								
ADULT	6.2E-05	1.1E-04	8.1E-05	5.7E-06	3.9E-05	1.5E-05	1.3E-05	1.3E-07
TEEN	6.5E-05	1.1E-04	4.7E-05	4.9E-06	3.9E-05	1.7E-05	9.8E-06	7.0E-07
CHILD	8.1E-05	1.0E-04	2.2E-05	7.8E-06	3.6E-05	1.6E-05	7.5E-06	1.5E-07
INFANT	1.2E-06	6.3E-06	4.9E-06	7.6E-06	5.0E-06	4.8E-06	4.8E-06	0.0E+00

```
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 1 1 1 0 TO 89 33124 0
DOSE ACCUMULATION FOR BETA        RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ESE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  S
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WSW
 6.5706E-08    7.6023E-09    3.3415E-09    1.8926E-09    1.2756E-09
 5.8339E-10    1.9762E-10    8.9988E-11    5.4006E-11    3.0663E-11
**DIRECTION FROM  W
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
```

FOR RELEASE POINT 2

**DIRECTION FROM N				
2.1622E-06	2.3050E-07	1.0254E-07	5.8977E-08	4.0894E-08
2.0146E-08	7.6386E-09	3.8082E-09	2.4596E-09	1.5505E-09
**DIRECTION FROM NNE				
1.0202E-06	1.2069E-07	5.3947E-08	3.0896E-08	2.1362E-08
1.0437E-08	3.8827E-09	1.8921E-09	1.1994E-09	7.3916E-10
**DIRECTION FROM NE				
2.0792E-06	2.4322E-07	1.1289E-07	6.6713E-08	4.6219E-08
2.2463E-08	8.4987E-09	4.1809E-09	2.6599E-09	1.6416E-09
**DIRECTION FROM ENE				
2.1222E-06	2.3519E-07	1.0682E-07	6.2158E-08	4.3066E-08
2.1061E-08	7.9376E-09	3.9020E-09	2.4929E-09	1.5603E-09
**DIRECTION FROM E				
3.0741E-06	3.5572E-07	1.7092E-07	1.0309E-07	7.2663E-08
3.6541E-08	1.4373E-08	7.1312E-09	4.5512E-09	2.8684E-09
**DIRECTION FROM ESE				
3.8805E-06	4.4169E-07	2.1388E-07	1.2971E-07	9.1651E-08
4.6278E-08	1.8311E-08	9.0958E-09	5.8082E-09	3.6747E-09
**DIRECTION FROM SE				
4.5914E-06	5.3169E-07	2.6305E-07	1.6185E-07	1.1489E-07
5.8480E-08	2.3596E-08	1.1910E-08	7.6959E-09	4.9189E-09
**DIRECTION FROM SSE				
3.5476E-06	4.1594E-07	2.0511E-07	1.2587E-07	8.9425E-08
4.5644E-08	1.8442E-08	9.3179E-09	6.0247E-09	3.8502E-09
**DIRECTION FROM S				
3.7205E-06	4.3703E-07	2.1323E-07	1.2995E-07	9.1912E-08
4.6504E-08	1.8552E-08	9.3022E-09	5.9834E-09	3.7987E-09
**DIRECTION FROM SSW				
1.8571E-06	2.2294E-07	1.0880E-07	6.6305E-08	4.6767E-08
2.3509E-08	9.3338E-09	4.6762E-09	3.0066E-09	1.9012E-09
**DIRECTION FROM SW				
9.7549E-07	1.0596E-07	5.0761E-08	3.0574E-08	2.1551E-08
1.0830E-08	4.2310E-09	2.0762E-09	1.3140E-09	8.2859E-10
**DIRECTION FROM WSW				
9.3645E-07	1.1755E-07	5.4269E-08	3.1764E-08	2.2184E-08
1.1028E-08	4.2367E-09	2.0945E-09	1.3375E-09	8.3214E-10
**DIRECTION FROM W				
2.0101E-06	2.4988E-07	1.1202E-07	6.4081E-08	4.4330E-08
2.1675E-08	8.0409E-09	3.8912E-09	2.4510E-09	1.4993E-09
**DIRECTION FROM WNW				
1.1147E-06	1.2295E-07	5.5125E-08	3.1785E-08	2.1947E-08
1.0663E-08	3.9704E-09	1.9497E-09	1.2412E-09	7.6685E-10
**DIRECTION FROM NW				
1.0139E-06	9.3971E-08	4.1252E-08	2.3782E-08	1.6493E-08
8.1561E-09	3.1420E-09	1.6061E-09	1.0598E-09	6.8465E-10
**DIRECTION FROM NNW				
1.2843E-06	1.2892E-07	5.7358E-08	3.3136E-08	2.2905E-08
1.1184E-08	4.2224E-09	2.1143E-09	1.3692E-09	8.6378E-10

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

```
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 1 1 1 0 TO 89 33124 0
DOSE ACCUMULATION FOR GAMMA       RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ESE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  S
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WSW
 2.2099E-08    2.5569E-09    1.1239E-09    6.3657E-10    4.2903E-10
 1.9622E-10    6.6466E-11    3.0266E-11    1.8164E-11    1.0313E-11
**DIRECTION FROM  W
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
```

FOR RELEASE POINT 2

**DIRECTION FROM N				
5.4840E-06	5.8520E-07	2.6037E-07	1.4976E-07	1.0385E-07
5.1170E-08	1.9404E-08	9.6742E-09	6.2484E-09	3.9388E-09
**DIRECTION FROM NNE				
2.5572E-06	3.0272E-07	1.3534E-07	7.7520E-08	5.3607E-08
2.6200E-08	9.7518E-09	4.7535E-09	3.0137E-09	1.8577E-09
**DIRECTION FROM NE				
5.2215E-06	6.1102E-07	2.8369E-07	1.6767E-07	1.1617E-07
5.6462E-08	2.1366E-08	1.0512E-08	6.6878E-09	4.1276E-09
**DIRECTION FROM ENE				
5.3186E-06	5.8980E-07	2.6791E-07	1.5588E-07	1.0801E-07
5.2831E-08	1.9915E-08	9.7908E-09	6.2557E-09	3.9160E-09
**DIRECTION FROM E				
7.7467E-06	8.9662E-07	4.3119E-07	2.6020E-07	1.8345E-07
9.2303E-08	3.6332E-08	1.8030E-08	1.1507E-08	7.2543E-09
**DIRECTION FROM ESE				
9.8331E-06	1.1184E-06	5.4189E-07	3.2877E-07	2.3234E-07
1.1734E-07	4.6450E-08	2.3076E-08	1.4736E-08	9.3247E-09
**DIRECTION FROM SE				
1.1628E-05	1.3472E-06	6.6697E-07	4.1055E-07	2.9149E-07
1.4842E-07	5.9914E-08	3.0247E-08	1.9547E-08	1.2496E-08
**DIRECTION FROM SSE				
8.8613E-06	1.0388E-06	5.1277E-07	3.1488E-07	2.2378E-07
1.1429E-07	4.6217E-08	2.3361E-08	1.5108E-08	9.6585E-09
**DIRECTION FROM S				
9.2677E-06	1.0872E-06	5.3116E-07	3.2399E-07	2.2924E-07
1.1604E-07	4.6335E-08	2.3242E-08	1.4953E-08	9.4976E-09
**DIRECTION FROM SSW				
4.6407E-06	5.5690E-07	2.7230E-07	1.6616E-07	1.1725E-07
5.8992E-08	2.3457E-08	1.1761E-08	7.5649E-09	4.7868E-09
**DIRECTION FROM SW				
2.3857E-06	2.5939E-07	1.2472E-07	7.5280E-08	5.3132E-08
2.6765E-08	1.0488E-08	5.1510E-09	3.2613E-09	2.0593E-09
**DIRECTION FROM WSW				
2.2743E-06	2.8789E-07	1.3320E-07	7.8051E-08	5.4565E-08
2.7183E-08	1.0471E-08	5.1822E-09	3.3113E-09	2.0623E-09
**DIRECTION FROM W				
5.0354E-06	6.2769E-07	2.8150E-07	1.6105E-07	1.1145E-07
5.4536E-08	2.0249E-08	9.8022E-09	6.1752E-09	3.7785E-09
**DIRECTION FROM WNW				
2.7391E-06	3.0227E-07	1.3564E-07	7.8253E-08	5.4073E-08
2.6318E-08	9.8229E-09	4.8309E-09	3.0783E-09	1.9045E-09
**DIRECTION FROM NW				
2.5238E-06	2.3309E-07	1.0234E-07	5.9028E-08	4.0969E-08
2.0300E-08	7.8419E-09	4.0165E-09	2.6541E-09	1.7176E-09
**DIRECTION FROM NNW				
3.2115E-06	3.2170E-07	1.4318E-07	8.2753E-08	5.7230E-08
2.7974E-08	1.0579E-08	5.3029E-09	3.4364E-09	2.1698E-09

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP=	1,	659.	METERS,	WINDS	TOWARD	N
ADULT	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	8.1E-06
TEEN	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	8.1E-06
CHILD	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	8.1E-06
INFNT	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	5.0E-06	8.1E-06
GROUND	PATHWAY,	DIST GP=	1,	659.	METERS,	WINDS	TOWARD	N
ADULT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
TEEN	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
CHILD	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
INFNT	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
VEGET	PATHWAY,	DIST GP=	1,	8045.	METERS,	WINDS	TOWARD	N
ADULT	8.1E-08	1.3E-08	7.3E-08	1.1E-07	3.8E-08	2.1E-09	1.3E-08	0.0E+00
TEEN	6.8E-08	1.3E-08	1.1E-07	1.7E-07	5.8E-08	1.8E-09	2.3E-08	0.0E+00
CHILD	5.2E-08	8.9E-09	2.7E-07	2.9E-07	9.3E-08	2.7E-09	3.4E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP=	1,	8045.	METERS,	WINDS	TOWARD	N
ADULT	8.6E-09	4.2E-09	7.3E-09	1.2E-08	3.9E-09	2.6E-10	1.3E-09	0.0E+00
TEEN	3.9E-09	2.3E-09	6.0E-09	9.4E-09	3.1E-09	1.9E-10	1.2E-09	0.0E+00
CHILD	2.6E-09	1.1E-09	1.1E-08	1.2E-08	3.8E-09	2.8E-10	1.4E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP=	1,	3556.	METERS,	WINDS	TOWARD	N
ADULT	3.0E-07	1.2E-08	2.7E-07	4.2E-07	1.4E-07	3.0E-08	4.7E-08	0.0E+00
TEEN	2.9E-07	1.5E-08	4.8E-07	7.4E-07	2.5E-07	4.7E-08	9.5E-08	0.0E+00
CHILD	2.1E-07	1.1E-08	1.2E-06	1.3E-06	4.0E-07	9.3E-08	1.4E-07	0.0E+00
INFNT	1.9E-07	1.0E-08	1.8E-06	2.4E-06	6.4E-07	2.2E-07	2.6E-07	0.0E+00
GOAT	PATHWAY,	DIST GP=	1,	3556.	METERS,	WINDS	TOWARD	N
ADULT	8.9E-07	2.4E-08	8.0E-07	1.3E-06	4.2E-07	3.6E-08	1.4E-07	0.0E+00
TEEN	8.5E-07	3.1E-08	1.4E-06	2.2E-06	7.4E-07	5.6E-08	2.9E-07	0.0E+00
CHILD	6.2E-07	2.3E-08	3.5E-06	3.8E-06	1.2E-06	1.1E-07	4.3E-07	0.0E+00
INFNT	5.7E-07	2.2E-08	5.5E-06	7.2E-06	1.9E-06	2.7E-07	7.8E-07	0.0E+00
INHAL	PATHWAY,	DIST GP=	1,	659.	METERS,	WINDS	TOWARD	N
ADULT	5.6E-08	1.4E-08	4.8E-08	7.4E-08	2.7E-08	1.4E-08	2.1E-07	0.0E+00
TEEN	4.2E-08	1.3E-08	6.7E-08	1.0E-07	3.6E-08	1.7E-08	3.0E-07	0.0E+00
CHILD	1.8E-08	5.7E-09	9.0E-08	9.5E-08	3.3E-08	1.9E-08	2.5E-07	0.0E+00
INFNT	6.8E-09	2.2E-09	5.5E-08	6.9E-08	2.0E-08	1.7E-08	1.6E-07	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.3E-05	1.2E-05	1.3E-05	1.4E-05	1.2E-05	1.2E-05	1.2E-05	1.4E-05
TEEN	1.3E-05	1.2E-05	1.4E-05	1.5E-05	1.3E-05	1.2E-05	1.2E-05	1.4E-05
CHILD	1.3E-05	1.2E-05	1.7E-05	1.7E-05	1.3E-05	1.2E-05	1.3E-05	1.4E-05
INFNT	1.2E-05	1.2E-05	1.9E-05	2.1E-05	1.4E-05	1.2E-05	1.3E-05	1.4E-05
TOTALS								
ADULT	1.8E-05	1.7E-05	1.8E-05	1.9E-05	1.7E-05	1.7E-05	1.7E-05	2.2E-05
TEEN	1.8E-05	1.7E-05	1.9E-05	2.0E-05	1.8E-05	1.7E-05	1.7E-05	2.2E-05
CHILD	1.8E-05	1.7E-05	2.2E-05	2.2E-05	1.8E-05	1.7E-05	1.8E-05	2.2E-05
INFNT	1.7E-05	1.7E-05	2.4E-05	2.6E-05	1.9E-05	1.7E-05	1.8E-05	2.2E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	4.0E-06
TEEN	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	4.0E-06
CHILD	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	4.0E-06
INFNT	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	4.0E-06
GROUND PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	6.1E-06
TEEN	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	6.1E-06
CHILD	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	6.1E-06
INFNT	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	5.2E-06	6.1E-06
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	1.8E-06	2.6E-07	1.6E-06	2.5E-06	8.5E-07	4.1E-08	2.8E-07	0.0E+00
TEEN	1.5E-06	2.7E-07	2.6E-06	3.9E-06	1.3E-06	3.4E-08	5.0E-07	0.0E+00
CHILD	1.1E-06	1.8E-07	6.0E-06	6.5E-06	2.1E-06	5.2E-08	7.5E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	4.2E-09	1.9E-09	3.6E-09	5.8E-09	1.9E-09	1.1E-10	6.4E-10	0.0E+00
TEEN	1.9E-09	1.0E-09	3.0E-09	4.6E-09	1.5E-09	8.1E-11	5.9E-10	0.0E+00
CHILD	1.2E-09	5.1E-10	5.4E-09	6.0E-09	1.9E-09	1.2E-10	6.9E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE								
ADULT	1.4E-07	5.3E-09	1.2E-07	2.0E-07	6.5E-08	1.2E-08	2.2E-08	0.0E+00
TEEN	1.3E-07	6.6E-09	2.2E-07	3.4E-07	1.1E-07	1.9E-08	4.4E-08	0.0E+00
CHILD	9.7E-08	4.8E-09	5.3E-07	5.8E-07	1.9E-07	3.8E-08	6.7E-08	0.0E+00
INFNT	8.9E-08	4.5E-09	8.5E-07	1.1E-06	3.0E-07	9.2E-08	1.2E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE								
ADULT	4.1E-07	1.1E-08	3.7E-07	5.9E-07	2.0E-07	1.5E-08	6.5E-08	0.0E+00
TEEN	3.9E-07	1.4E-08	6.7E-07	1.0E-06	3.4E-07	2.3E-08	1.3E-07	0.0E+00
CHILD	2.9E-07	1.1E-08	1.6E-06	1.7E-06	5.6E-07	4.6E-08	2.0E-07	0.0E+00
INFNT	2.6E-07	1.0E-08	2.6E-06	3.3E-06	8.8E-07	1.1E-07	3.6E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	2.7E-08	7.3E-09	2.4E-08	3.7E-08	1.3E-08	7.2E-09	1.1E-07	0.0E+00
TEEN	2.1E-08	6.7E-09	3.3E-08	4.9E-08	1.8E-08	8.7E-09	1.5E-07	0.0E+00
CHILD	9.0E-09	2.8E-09	4.4E-08	4.7E-08	1.6E-08	9.5E-09	1.3E-07	0.0E+00
INFNT	3.3E-09	1.1E-09	2.7E-08	3.4E-08	9.7E-09	8.5E-09	8.2E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	7.6E-06	5.5E-06	7.3E-06	8.6E-06	6.3E-06	5.3E-06	5.7E-06	6.1E-06
TEEN	7.3E-06	5.5E-06	8.7E-06	1.1E-05	7.0E-06	5.3E-06	6.0E-06	6.1E-06
CHILD	6.7E-06	5.4E-06	1.3E-05	1.4E-05	8.0E-06	5.3E-06	6.3E-06	6.1E-06
INFNT	5.6E-06	5.2E-06	8.6E-06	9.7E-06	6.4E-06	5.4E-06	5.8E-06	6.1E-06
TOTALS								
ADULT	1.0E-05	7.9E-06	9.8E-06	1.1E-05	8.8E-06	7.7E-06	8.1E-06	1.0E-05
TEEN	9.7E-06	7.9E-06	1.1E-05	1.3E-05	9.4E-06	7.7E-06	8.5E-06	1.0E-05
CHILD	9.2E-06	7.8E-06	1.6E-05	1.7E-05	1.0E-05	7.8E-06	8.8E-06	1.0E-05
INFNT	8.0E-06	7.7E-06	1.1E-05	1.2E-05	8.8E-06	7.9E-06	8.2E-06	1.0E-05

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY,	DIST GP= 1,		943. METERS, WINDS TOWARD NE				
ADULT	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	9.5E-07
TEEN	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	9.5E-07
CHILD	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	9.5E-07
INFNT	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	5.8E-07	9.5E-07
GROUND	PATHWAY,	DIST GP= 1,		943. METERS, WINDS TOWARD NE				
ADULT	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.5E-06
TEEN	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.5E-06
CHILD	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.5E-06
INFNT	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.5E-06
VEGET	PATHWAY,	DIST GP= 1,		1052. METERS, WINDS TOWARD NE				
ADULT	9.4E-07	1.0E-07	8.6E-07	1.3E-06	4.5E-07	1.5E-08	1.5E-07	0.0E+00
TEEN	7.9E-07	1.1E-07	1.4E-06	2.1E-06	6.9E-07	1.3E-08	2.7E-07	0.0E+00
CHILD	5.9E-07	7.2E-08	3.2E-06	3.4E-06	1.1E-06	1.9E-08	4.0E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY,	DIST GP= 1,		7725. METERS, WINDS TOWARD NE				
ADULT	3.3E-09	1.1E-09	2.9E-09	4.6E-09	1.5E-09	6.3E-11	5.1E-10	0.0E+00
TEEN	1.5E-09	5.7E-10	2.4E-09	3.7E-09	1.2E-09	4.5E-11	4.8E-10	0.0E+00
CHILD	9.3E-10	2.9E-10	4.4E-09	4.8E-09	1.5E-09	6.8E-11	5.5E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY,	DIST GP= 1,		3556. METERS, WINDS TOWARD NE				
ADULT	1.1E-07	3.9E-09	1.0E-07	1.6E-07	5.3E-08	6.8E-09	1.8E-08	0.0E+00
TEEN	1.1E-07	4.9E-09	1.8E-07	2.8E-07	9.2E-08	1.1E-08	3.6E-08	0.0E+00
CHILD	7.8E-08	3.6E-09	4.3E-07	4.7E-07	1.5E-07	2.1E-08	5.4E-08	0.0E+00
INFNT	7.1E-08	3.4E-09	6.9E-07	9.0E-07	2.4E-07	5.1E-08	9.7E-08	0.0E+00
GOAT	PATHWAY,	DIST GP= 1,		3556. METERS, WINDS TOWARD NE				
ADULT	3.3E-07	9.0E-09	3.0E-07	4.7E-07	1.6E-07	8.1E-09	5.3E-08	0.0E+00
TEEN	3.2E-07	1.2E-08	5.4E-07	8.3E-07	2.8E-07	1.3E-08	1.1E-07	0.0E+00
CHILD	2.3E-07	8.6E-09	1.3E-06	1.4E-06	4.5E-07	2.5E-08	1.6E-07	0.0E+00
INFNT	2.1E-07	8.3E-09	2.1E-06	2.7E-06	7.1E-07	6.2E-08	2.9E-07	0.0E+00
INHAL	PATHWAY,	DIST GP= 1,		943. METERS, WINDS TOWARD NE				
ADULT	8.0E-09	1.8E-09	7.0E-09	1.1E-08	3.9E-09	1.7E-09	2.4E-08	0.0E+00
TEEN	6.0E-09	1.7E-09	9.7E-09	1.4E-08	5.2E-09	2.1E-09	3.6E-08	0.0E+00
CHILD	2.6E-09	7.5E-10	1.3E-08	1.4E-08	4.7E-09	2.3E-09	2.9E-08	0.0E+00
INFNT	9.8E-10	3.0E-10	7.9E-09	9.9E-09	2.8E-09	2.0E-09	1.9E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.5E-06	2.2E-06	3.4E-06	4.1E-06	2.8E-06	2.1E-06	2.3E-06	2.5E-06
TEEN	3.3E-06	2.2E-06	4.2E-06	5.3E-06	3.2E-06	2.1E-06	2.5E-06	2.5E-06
CHILD	3.0E-06	2.2E-06	7.0E-06	7.4E-06	3.8E-06	2.2E-06	2.7E-06	2.5E-06
INFNT	2.4E-06	2.1E-06	4.9E-06	5.7E-06	3.1E-06	2.2E-06	2.5E-06	2.5E-06
TOTALS								
ADULT	4.1E-06	2.8E-06	3.9E-06	4.7E-06	3.3E-06	2.7E-06	2.9E-06	3.4E-06
TEEN	3.9E-06	2.8E-06	4.8E-06	5.9E-06	3.7E-06	2.7E-06	3.1E-06	3.4E-06
CHILD	3.6E-06	2.8E-06	7.6E-06	8.0E-06	4.4E-06	2.7E-06	3.3E-06	3.4E-06
INFNT	3.0E-06	2.7E-06	5.5E-06	6.3E-06	3.6E-06	2.8E-06	3.1E-06	3.4E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	4.5E-07
TEEN	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	4.5E-07
CHILD	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	4.5E-07
INFNT	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	2.7E-07	4.5E-07
GROUND	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	1.2E-06
TEEN	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	1.2E-06
CHILD	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	1.2E-06
INFNT	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07	1.2E-06
VEGET	PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE							
ADULT	5.1E-07	8.2E-08	4.3E-07	7.0E-07	2.5E-07	3.4E-08	1.0E-07	0.0E+00
TEEN	4.3E-07	8.7E-08	6.8E-07	1.1E-06	3.8E-07	3.7E-08	1.6E-07	0.0E+00
CHILD	3.5E-07	8.5E-08	1.6E-06	1.8E-06	6.0E-07	5.7E-08	2.5E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE							
ADULT	1.7E-08	6.4E-09	1.4E-08	2.3E-08	8.3E-09	1.5E-09	3.5E-09	0.0E+00
TEEN	7.6E-09	3.5E-09	1.1E-08	1.8E-08	6.4E-09	9.2E-10	2.9E-09	0.0E+00
CHILD	5.2E-09	2.3E-09	2.0E-08	2.3E-08	7.9E-09	1.2E-09	3.4E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	1.5E-07	8.3E-09	1.3E-07	2.1E-07	7.2E-08	1.3E-08	2.6E-08	0.0E+00
TEEN	1.4E-07	1.1E-08	2.3E-07	3.6E-07	1.2E-07	1.9E-08	5.0E-08	0.0E+00
CHILD	1.1E-07	1.1E-08	5.6E-07	6.1E-07	2.0E-07	3.6E-08	7.7E-08	0.0E+00
INFNT	1.0E-07	1.4E-08	8.9E-07	1.2E-06	3.2E-07	8.1E-08	1.4E-07	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE							
ADULT	4.4E-07	1.8E-08	3.9E-07	6.2E-07	2.1E-07	1.8E-08	7.5E-08	0.0E+00
TEEN	4.2E-07	2.3E-08	7.0E-07	1.1E-06	3.7E-07	2.6E-08	1.5E-07	0.0E+00
CHILD	3.1E-07	2.4E-08	1.7E-06	1.8E-06	6.0E-07	4.9E-08	2.2E-07	0.0E+00
INFNT	3.0E-07	3.1E-08	2.7E-06	3.5E-06	9.5E-07	1.1E-07	4.0E-07	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE							
ADULT	2.0E-08	1.7E-08	3.2E-09	2.1E-08	1.8E-08	1.7E-08	2.7E-08	0.0E+00
TEEN	1.9E-08	1.7E-08	4.4E-09	2.2E-08	1.8E-08	1.7E-08	3.3E-08	0.0E+00
CHILD	1.5E-08	1.4E-08	5.9E-09	2.0E-08	1.6E-08	1.5E-08	2.8E-08	0.0E+00
INFNT	8.6E-09	8.2E-09	3.6E-09	1.3E-08	9.4E-09	9.0E-09	1.7E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.1E-06	1.1E-06	2.0E-06	2.6E-06	1.6E-06	1.1E-06	1.2E-06	1.2E-06
TEEN	2.0E-06	1.1E-06	2.6E-06	3.5E-06	1.9E-06	1.1E-06	1.4E-06	1.2E-06
CHILD	1.8E-06	1.1E-06	4.9E-06	5.3E-06	2.4E-06	1.1E-06	1.6E-06	1.2E-06
INFNT	1.4E-06	1.0E-06	4.6E-06	5.7E-06	2.3E-06	1.2E-06	1.5E-06	1.2E-06
TOTALS								
ADULT	2.4E-06	1.4E-06	2.2E-06	2.8E-06	1.8E-06	1.3E-06	1.5E-06	1.6E-06
TEEN	2.3E-06	1.4E-06	2.9E-06	3.8E-06	2.2E-06	1.4E-06	1.7E-06	1.6E-06
CHILD	2.0E-06	1.4E-06	5.1E-06	5.5E-06	2.7E-06	1.4E-06	1.8E-06	1.6E-06
INFNT	1.7E-06	1.3E-06	4.8E-06	6.0E-06	2.5E-06	1.5E-06	1.8E-06	1.6E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	9.0E-07
TEEN	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	9.0E-07
CHILD	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	9.0E-07
INFNT	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	5.5E-07	9.0E-07
GROUND PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.6E-06
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	6.5E-07	1.0E-07	5.9E-07	9.2E-07	3.1E-07	1.6E-08	1.0E-07	0.0E+00
TEEN	5.5E-07	1.0E-07	9.3E-07	1.4E-06	4.7E-07	1.3E-08	1.8E-07	0.0E+00
CHILD	4.1E-07	6.9E-08	2.2E-06	2.4E-06	7.6E-07	2.0E-08	2.7E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	6.5E-09	3.1E-09	5.6E-09	9.0E-09	3.0E-09	1.8E-10	9.8E-10	0.0E+00
TEEN	3.0E-09	1.6E-09	4.6E-09	7.2E-09	2.4E-09	1.3E-10	9.1E-10	0.0E+00
CHILD	1.9E-09	8.4E-10	8.4E-09	9.3E-09	2.9E-09	2.0E-10	1.1E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	1.7E-07	6.8E-09	1.5E-07	2.4E-07	8.1E-08	1.6E-08	2.7E-08	0.0E+00
TEEN	1.6E-07	8.4E-09	2.8E-07	4.2E-07	1.4E-07	2.6E-08	5.5E-08	0.0E+00
CHILD	1.2E-07	6.1E-09	6.6E-07	7.2E-07	2.3E-07	5.1E-08	8.3E-08	0.0E+00
INFNT	1.1E-07	5.7E-09	1.1E-06	1.4E-06	3.7E-07	1.2E-07	1.5E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	5.1E-07	1.4E-08	4.6E-07	7.3E-07	2.4E-07	1.9E-08	8.1E-08	0.0E+00
TEEN	4.9E-07	1.8E-08	8.3E-07	1.3E-06	4.2E-07	3.1E-08	1.6E-07	0.0E+00
CHILD	3.6E-07	1.3E-08	2.0E-06	2.2E-06	6.9E-07	6.1E-08	2.5E-07	0.0E+00
INFNT	3.3E-07	1.3E-08	3.2E-06	4.1E-06	1.1E-06	1.5E-07	4.5E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	6.1E-09	1.7E-09	5.3E-09	8.2E-09	3.0E-09	1.7E-09	2.5E-08	0.0E+00
TEEN	4.6E-09	1.6E-09	7.4E-09	1.1E-08	3.9E-09	2.1E-09	3.7E-08	0.0E+00
CHILD	2.0E-09	6.6E-10	9.9E-09	1.0E-08	3.6E-09	2.3E-09	3.0E-08	0.0E+00
INFNT	7.4E-10	2.5E-10	6.0E-09	7.6E-09	2.2E-09	2.0E-09	2.0E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.7E-06	1.5E-06	2.6E-06	3.3E-06	2.0E-06	1.4E-06	1.6E-06	1.6E-06
TEEN	2.6E-06	1.5E-06	3.4E-06	4.5E-06	2.4E-06	1.4E-06	1.8E-06	1.6E-06
CHILD	2.2E-06	1.4E-06	6.2E-06	6.6E-06	3.0E-06	1.5E-06	2.0E-06	1.6E-06
INFNT	1.8E-06	1.4E-06	5.6E-06	6.9E-06	2.8E-06	1.6E-06	2.0E-06	1.6E-06
TOTALS								
ADULT	3.2E-06	2.0E-06	3.1E-06	3.8E-06	2.5E-06	1.9E-06	2.1E-06	2.5E-06
TEEN	3.1E-06	2.0E-06	4.0E-06	5.0E-06	2.9E-06	2.0E-06	2.3E-06	2.5E-06
CHILD	2.8E-06	2.0E-06	6.8E-06	7.2E-06	3.6E-06	2.0E-06	2.5E-06	2.5E-06
INFNT	2.3E-06	1.9E-06	6.1E-06	7.4E-06	3.4E-06	2.2E-06	2.5E-06	2.5E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	5.2E-07
TEEN	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	5.2E-07
CHILD	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	5.2E-07
INFNT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	5.2E-07
GROUND PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.7E-06
TEEN	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.7E-06
CHILD	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.7E-06
INFNT	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.4E-06	1.7E-06
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	6.7E-07	1.1E-07	6.1E-07	9.4E-07	3.1E-07	1.8E-08	1.0E-07	0.0E+00
TEEN	5.6E-07	1.1E-07	9.5E-07	1.4E-06	4.8E-07	1.5E-08	1.9E-07	0.0E+00
CHILD	4.3E-07	7.5E-08	2.2E-06	2.4E-06	7.7E-07	2.2E-08	2.8E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	3.6E-08	1.8E-08	3.1E-08	5.0E-08	1.6E-08	1.1E-09	5.4E-09	0.0E+00
TEEN	1.6E-08	9.8E-09	2.6E-08	4.0E-08	1.3E-08	8.0E-10	5.0E-09	0.0E+00
CHILD	1.1E-08	5.0E-09	4.7E-08	5.1E-08	1.6E-08	1.2E-09	5.9E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	1.6E-07	6.6E-09	1.5E-07	2.3E-07	7.7E-08	1.7E-08	2.6E-08	0.0E+00
TEEN	1.5E-07	8.1E-09	2.6E-07	4.0E-07	1.3E-07	2.6E-08	5.2E-08	0.0E+00
CHILD	1.1E-07	5.9E-09	6.3E-07	6.8E-07	2.2E-07	5.2E-08	7.9E-08	0.0E+00
INFNT	1.0E-07	5.5E-09	1.0E-06	1.3E-06	3.5E-07	1.3E-07	1.4E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	4.8E-07	1.3E-08	4.4E-07	6.9E-07	2.3E-07	2.0E-08	7.7E-08	0.0E+00
TEEN	4.6E-07	1.7E-08	7.9E-07	1.2E-06	4.0E-07	3.2E-08	1.6E-07	0.0E+00
CHILD	3.4E-07	1.3E-08	1.9E-06	2.0E-06	6.6E-07	6.2E-08	2.4E-07	0.0E+00
INFNT	3.1E-07	1.2E-08	3.0E-06	3.9E-06	1.0E-06	1.5E-07	4.2E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	3.9E-09	9.3E-10	3.4E-09	5.1E-09	1.9E-09	9.2E-10	1.3E-08	0.0E+00
TEEN	2.9E-09	8.6E-10	4.7E-09	6.9E-09	2.5E-09	1.1E-09	1.9E-08	0.0E+00
CHILD	1.3E-09	3.8E-10	6.2E-09	6.6E-09	2.3E-09	1.2E-09	1.6E-08	0.0E+00
INFNT	4.7E-10	1.5E-10	3.8E-09	4.8E-09	1.4E-09	1.1E-09	1.0E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.8E-06	1.6E-06	2.6E-06	3.3E-06	2.0E-06	1.5E-06	1.6E-06	1.7E-06
TEEN	2.6E-06	1.6E-06	3.4E-06	4.5E-06	2.4E-06	1.5E-06	1.8E-06	1.7E-06
CHILD	2.3E-06	1.5E-06	6.2E-06	6.6E-06	3.1E-06	1.5E-06	2.0E-06	1.7E-06
INFNT	1.8E-06	1.4E-06	5.4E-06	6.6E-06	2.8E-06	1.7E-06	2.0E-06	1.7E-06
TOTALS								
ADULT	3.1E-06	1.9E-06	3.0E-06	3.6E-06	2.4E-06	1.8E-06	2.0E-06	2.2E-06
TEEN	2.9E-06	1.9E-06	3.8E-06	4.8E-06	2.8E-06	1.8E-06	2.1E-06	2.2E-06
CHILD	2.6E-06	1.8E-06	6.5E-06	6.9E-06	3.4E-06	1.9E-06	2.3E-06	2.2E-06
INFNT	2.1E-06	1.7E-06	5.8E-06	7.0E-06	3.1E-06	2.0E-06	2.3E-06	2.2E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	8.1E-07
TEEN	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	8.1E-07
CHILD	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	8.1E-07
INFNT	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	4.9E-07	8.1E-07
GROUND PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.5E-06
TEEN	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.5E-06
CHILD	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.5E-06
INFNT	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.2E-06	2.5E-06
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	1.4E-06	2.6E-07	1.2E-06	1.9E-06	6.4E-07	4.2E-08	2.1E-07	0.0E+00
TEEN	1.1E-06	2.7E-07	1.9E-06	2.9E-06	9.8E-07	3.5E-08	3.8E-07	0.0E+00
CHILD	8.7E-07	1.8E-07	4.5E-06	4.9E-06	1.6E-06	5.3E-08	5.6E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	1.1E-08	6.6E-09	9.5E-09	1.5E-08	5.0E-09	4.0E-10	1.6E-09	0.0E+00
TEEN	5.1E-09	3.5E-09	7.8E-09	1.2E-08	4.0E-09	2.9E-10	1.5E-09	0.0E+00
CHILD	3.4E-09	1.8E-09	1.4E-08	1.6E-08	5.0E-09	4.3E-10	1.8E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE								
ADULT	1.2E-07	5.4E-09	1.1E-07	1.8E-07	5.9E-08	1.5E-08	2.0E-08	0.0E+00
TEEN	1.2E-07	6.7E-09	2.0E-07	3.1E-07	1.0E-07	2.4E-08	4.0E-08	0.0E+00
CHILD	8.8E-08	4.8E-09	4.9E-07	5.3E-07	1.7E-07	4.8E-08	6.1E-08	0.0E+00
INFNT	8.1E-08	4.5E-09	7.8E-07	1.0E-06	2.7E-07	1.2E-07	1.1E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE								
ADULT	3.7E-07	1.0E-08	3.4E-07	5.3E-07	1.8E-07	1.8E-08	5.9E-08	0.0E+00
TEEN	3.6E-07	1.3E-08	6.1E-07	9.3E-07	3.1E-07	2.9E-08	1.2E-07	0.0E+00
CHILD	2.6E-07	9.8E-09	1.5E-06	1.6E-06	5.1E-07	5.7E-08	1.8E-07	0.0E+00
INFNT	2.4E-07	9.4E-09	2.3E-06	3.0E-06	8.0E-07	1.4E-07	3.3E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	5.1E-09	1.4E-09	4.5E-09	6.8E-09	2.5E-09	1.4E-09	2.1E-08	0.0E+00
TEEN	3.8E-09	1.3E-09	6.3E-09	9.2E-09	3.3E-09	1.7E-09	3.0E-08	0.0E+00
CHILD	1.7E-09	5.3E-10	8.4E-09	8.8E-09	3.0E-09	1.8E-09	2.5E-08	0.0E+00
INFNT	6.1E-10	2.0E-10	5.1E-09	6.4E-09	1.8E-09	1.7E-09	1.6E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.0E-06	2.4E-06	3.9E-06	4.8E-06	3.0E-06	2.2E-06	2.5E-06	2.5E-06
TEEN	3.8E-06	2.4E-06	4.9E-06	6.4E-06	3.6E-06	2.2E-06	2.7E-06	2.5E-06
CHILD	3.4E-06	2.3E-06	8.7E-06	9.2E-06	4.4E-06	2.3E-06	3.0E-06	2.5E-06
INFNT	2.5E-06	2.2E-06	5.3E-06	6.2E-06	3.2E-06	2.4E-06	2.6E-06	2.5E-06
TOTALS								
ADULT	4.5E-06	2.9E-06	4.3E-06	5.3E-06	3.5E-06	2.7E-06	3.0E-06	3.3E-06
TEEN	4.3E-06	2.9E-06	5.4E-06	6.8E-06	4.0E-06	2.7E-06	3.2E-06	3.3E-06
CHILD	3.9E-06	2.8E-06	9.2E-06	9.7E-06	4.9E-06	2.8E-06	3.5E-06	3.3E-06
INFNT	3.0E-06	2.7E-06	5.8E-06	6.7E-06	3.7E-06	2.9E-06	3.1E-06	3.3E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	5.9E-07
TEEN	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	5.9E-07
CHILD	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	5.9E-07
INFNT	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	3.6E-07	5.9E-07
GROUND PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.1E-06
TEEN	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.1E-06
CHILD	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.1E-06
INFNT	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	2.1E-06
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.3E-06	2.6E-07	1.2E-06	1.8E-06	6.1E-07	4.3E-08	2.0E-07	0.0E+00
TEEN	1.1E-06	2.7E-07	1.9E-06	2.8E-06	9.4E-07	3.6E-08	3.6E-07	0.0E+00
CHILD	8.5E-07	1.8E-07	4.4E-06	4.7E-06	1.5E-06	5.4E-08	5.4E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	1.4E-07	8.8E-08	1.2E-07	1.9E-07	6.2E-08	5.3E-09	2.1E-08	0.0E+00
TEEN	6.4E-08	4.7E-08	9.7E-08	1.5E-07	5.0E-08	3.8E-09	1.9E-08	0.0E+00
CHILD	4.4E-08	2.4E-08	1.8E-07	2.0E-07	6.2E-08	5.7E-09	2.2E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	1.6E-07	7.2E-09	1.5E-07	2.3E-07	7.7E-08	2.1E-08	2.6E-08	0.0E+00
TEEN	1.5E-07	8.9E-09	2.7E-07	4.0E-07	1.3E-07	3.3E-08	5.2E-08	0.0E+00
CHILD	1.1E-07	6.3E-09	6.3E-07	6.8E-07	2.2E-07	6.6E-08	7.9E-08	0.0E+00
INFNT	1.1E-07	5.9E-09	1.0E-06	1.3E-06	3.5E-07	1.6E-07	1.4E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	4.8E-07	1.3E-08	4.4E-07	6.9E-07	2.3E-07	2.5E-08	7.7E-08	0.0E+00
TEEN	4.6E-07	1.7E-08	7.9E-07	1.2E-06	4.0E-07	4.0E-08	1.6E-07	0.0E+00
CHILD	3.4E-07	1.3E-08	1.9E-06	2.1E-06	6.6E-07	7.9E-08	2.4E-07	0.0E+00
INFNT	3.1E-07	1.2E-08	3.0E-06	3.9E-06	1.0E-06	1.9E-07	4.2E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	3.6E-09	1.0E-09	3.2E-09	4.8E-09	1.7E-09	9.9E-10	1.5E-08	0.0E+00
TEEN	2.7E-09	9.2E-10	4.4E-09	6.5E-09	2.3E-09	1.2E-09	2.2E-08	0.0E+00
CHILD	1.2E-09	3.7E-10	5.9E-09	6.2E-09	2.1E-09	1.3E-09	1.8E-08	0.0E+00
INFNT	4.3E-10	1.4E-10	3.6E-09	4.5E-09	1.3E-09	1.2E-09	1.2E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.9E-06	2.2E-06	3.7E-06	4.7E-06	2.8E-06	1.9E-06	2.1E-06	2.1E-06
TEEN	3.6E-06	2.1E-06	4.8E-06	6.4E-06	3.3E-06	1.9E-06	2.4E-06	2.1E-06
CHILD	3.1E-06	2.0E-06	8.9E-06	9.4E-06	4.2E-06	2.0E-06	2.7E-06	2.1E-06
INFNT	2.2E-06	1.8E-06	5.8E-06	7.0E-06	3.2E-06	2.1E-06	2.4E-06	2.1E-06
TOTALS								
ADULT	4.2E-06	2.5E-06	4.0E-06	5.1E-06	3.1E-06	2.2E-06	2.5E-06	2.7E-06
TEEN	3.9E-06	2.5E-06	5.2E-06	6.7E-06	3.7E-06	2.3E-06	2.8E-06	2.7E-06
CHILD	3.5E-06	2.4E-06	9.2E-06	9.8E-06	4.6E-06	2.4E-06	3.0E-06	2.7E-06
INFNT	2.6E-06	2.2E-06	6.2E-06	7.4E-06	3.5E-06	2.5E-06	2.7E-06	2.7E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S								
ADULT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06
TEEN	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06
CHILD	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06
INFNT	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	1.3E-06	2.1E-06
GROUND PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S								
ADULT	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	6.5E-06
TEEN	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	6.5E-06
CHILD	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	6.5E-06
INFNT	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	5.5E-06	6.5E-06
VEGET PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S								
ADULT	3.0E-06	6.7E-07	2.7E-06	4.3E-06	1.4E-06	1.1E-07	4.7E-07	0.0E+00
TEEN	2.6E-06	6.9E-07	4.3E-06	6.5E-06	2.2E-06	9.2E-08	8.4E-07	0.0E+00
CHILD	2.0E-06	4.5E-07	1.0E-05	1.1E-05	3.5E-06	1.4E-07	1.3E-06	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S								
ADULT	1.2E-08	8.3E-09	1.0E-08	1.6E-08	5.3E-09	5.0E-10	1.8E-09	0.0E+00
TEEN	5.6E-09	4.5E-09	8.3E-09	1.3E-08	4.2E-09	3.6E-10	1.6E-09	0.0E+00
CHILD	3.8E-09	2.3E-09	1.5E-08	1.7E-08	5.3E-09	5.5E-10	1.9E-09	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S								
ADULT	2.5E-07	1.2E-08	2.3E-07	3.6E-07	1.2E-07	3.7E-08	4.0E-08	0.0E+00
TEEN	2.4E-07	1.4E-08	4.1E-07	6.3E-07	2.1E-07	5.8E-08	8.1E-08	0.0E+00
CHILD	1.8E-07	1.0E-08	9.9E-07	1.1E-06	3.4E-07	1.1E-07	1.2E-07	0.0E+00
INFNT	1.6E-07	9.5E-09	1.6E-06	2.0E-06	5.4E-07	2.8E-07	2.2E-07	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S								
ADULT	7.6E-07	2.1E-08	6.9E-07	1.1E-06	3.6E-07	4.4E-08	1.2E-07	0.0E+00
TEEN	7.2E-07	2.7E-08	1.2E-06	1.9E-06	6.3E-07	7.0E-08	2.4E-07	0.0E+00
CHILD	5.3E-07	2.0E-08	3.0E-06	3.2E-06	1.0E-06	1.4E-07	3.7E-07	0.0E+00
INFNT	4.8E-07	1.9E-08	4.7E-06	6.1E-06	1.6E-06	3.4E-07	6.6E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S								
ADULT	1.1E-08	3.6E-09	1.0E-08	1.5E-08	5.5E-09	3.6E-09	5.5E-08	0.0E+00
TEEN	8.5E-09	3.3E-09	1.4E-08	2.1E-08	7.3E-09	4.4E-09	8.1E-08	0.0E+00
CHILD	3.7E-09	1.3E-09	1.9E-08	2.0E-08	6.7E-09	4.9E-09	6.6E-08	0.0E+00
INFNT	1.4E-09	4.6E-10	1.1E-08	1.4E-08	4.0E-09	4.4E-09	4.3E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	9.6E-06	6.3E-06	9.2E-06	1.1E-05	7.4E-06	5.7E-06	6.2E-06	6.5E-06
TEEN	9.1E-06	6.3E-06	1.2E-05	1.5E-05	8.6E-06	5.8E-06	6.8E-06	6.5E-06
CHILD	8.2E-06	6.0E-06	2.0E-05	2.1E-05	1.0E-05	5.9E-06	7.4E-06	6.5E-06
INFNT	6.2E-06	5.6E-06	1.2E-05	1.4E-05	7.7E-06	6.2E-06	6.5E-06	6.5E-06
TOTALS								
ADULT	1.1E-05	7.5E-06	1.0E-05	1.3E-05	8.7E-06	7.0E-06	7.5E-06	8.6E-06
TEEN	1.0E-05	7.5E-06	1.3E-05	1.6E-05	9.8E-06	7.0E-06	8.1E-06	8.6E-06
CHILD	9.5E-06	7.3E-06	2.1E-05	2.2E-05	1.2E-05	7.2E-06	8.6E-06	8.6E-06
INFNT	7.5E-06	6.8E-06	1.3E-05	1.5E-05	9.0E-06	7.4E-06	7.7E-06	8.6E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 1 1 1 THRU 89 33124

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW								
ADULT	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	1.3E-06
TEEN	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	1.3E-06
CHILD	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	1.3E-06
INFNT	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	7.8E-07	1.3E-06
GROUND PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW								
ADULT	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.6E-06
TEEN	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.6E-06
CHILD	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.6E-06
INFNT	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.3E-06	2.6E-06
VEGET PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW								
ADULT	1.3E-06	2.8E-07	1.2E-06	1.9E-06	6.2E-07	4.6E-08	2.1E-07	0.0E+00
TEEN	1.1E-06	2.9E-07	1.9E-06	2.8E-06	9.5E-07	3.8E-08	3.7E-07	0.0E+00
CHILD	8.6E-07	1.9E-07	4.4E-06	4.7E-06	1.5E-06	5.8E-08	5.5E-07	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW								
ADULT	2.7E-09	1.8E-09	2.3E-09	3.6E-09	1.2E-09	1.1E-10	3.9E-10	0.0E+00
TEEN	1.2E-09	9.4E-10	1.9E-09	2.9E-09	9.4E-10	7.7E-11	3.6E-10	0.0E+00
CHILD	8.4E-10	4.8E-10	3.4E-09	3.7E-09	1.2E-09	1.2E-10	4.2E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW								
ADULT	9.1E-08	4.1E-09	8.3E-08	1.3E-07	4.3E-08	1.3E-08	1.4E-08	0.0E+00
TEEN	8.7E-08	5.1E-09	1.5E-07	2.3E-07	7.6E-08	2.0E-08	2.9E-08	0.0E+00
CHILD	6.4E-08	3.6E-09	3.6E-07	3.8E-07	1.2E-07	3.9E-08	4.4E-08	0.0E+00
INFNT	5.9E-08	3.4E-09	5.7E-07	7.4E-07	2.0E-07	9.5E-08	8.0E-08	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW								
ADULT	2.7E-07	7.5E-09	2.5E-07	3.9E-07	1.3E-07	1.5E-08	4.3E-08	0.0E+00
TEEN	2.6E-07	9.6E-09	4.5E-07	6.8E-07	2.3E-07	2.4E-08	8.8E-08	0.0E+00
CHILD	1.9E-07	7.2E-09	1.1E-06	1.2E-06	3.7E-07	4.7E-08	1.3E-07	0.0E+00
INFNT	1.7E-07	6.9E-09	1.7E-06	2.2E-06	5.9E-07	1.1E-07	2.4E-07	0.0E+00
INHAL PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW								
ADULT	7.1E-09	2.1E-09	6.3E-09	9.6E-09	3.4E-09	2.1E-09	3.2E-08	0.0E+00
TEEN	5.3E-09	1.9E-09	8.8E-09	1.3E-08	4.6E-09	2.6E-09	4.7E-08	0.0E+00
CHILD	2.3E-09	7.7E-10	1.2E-08	1.2E-08	4.2E-09	2.9E-09	3.9E-08	0.0E+00
INFNT	8.4E-10	2.8E-10	7.2E-09	8.9E-09	2.5E-09	2.6E-09	2.5E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.9E-06	2.6E-06	3.8E-06	4.6E-06	3.1E-06	2.3E-06	2.6E-06	2.6E-06
TEEN	3.7E-06	2.6E-06	4.8E-06	6.0E-06	3.5E-06	2.3E-06	2.8E-06	2.6E-06
CHILD	3.4E-06	2.5E-06	8.1E-06	8.6E-06	4.3E-06	2.4E-06	3.0E-06	2.6E-06
INFNT	2.5E-06	2.3E-06	4.5E-06	5.2E-06	3.0E-06	2.5E-06	2.6E-06	2.6E-06
TOTALS								
ADULT	4.7E-06	3.3E-06	4.6E-06	5.4E-06	3.8E-06	3.1E-06	3.3E-06	3.9E-06
TEEN	4.5E-06	3.3E-06	5.5E-06	6.8E-06	4.3E-06	3.1E-06	3.6E-06	3.9E-06
CHILD	4.2E-06	3.2E-06	8.9E-06	9.3E-06	5.1E-06	3.2E-06	3.8E-06	3.9E-06
INFNT	3.3E-06	3.1E-06	5.3E-06	6.0E-06	3.8E-06	3.3E-06	3.4E-06	3.9E-06

APPENDIX 1.3

Summary of Maximum Individual Doses
Second Quarter, 1989

SUMMARY OF MAXIMUM INDIVIDUAL DOSES 2nd Quarter 1989

EFFLUENT	APPLICABLE ORGAN	ESTIMATED DOSE (MREM)	AGE GROUP	LOCATION DIST DIR (M)(Toward)	% OF APPLICABLE LIMIT	QUARTERLY LIMIT (MR)
Liquid	Total Body	3.62 E-2	Adult	Receptor 1	2.41 E 0	1.5
Liquid	Liver	4.95 E-2	Teen	Receptor 1	9.90 E-1	5.0
Noble Gas	Air Dose (Gamma-mrad)	6.15 E-4		617 NNE	1.23 E-2	5.0
Noble Gas	Air Dose (Beta-mrad)	1.83 E-3		617 NNE	1.83 E-2	10.0
Noble Gas	Total Body	7.16 E-4	All	659 N	1.43 E-2	Yearly 5.0
Noble Gas	Skin	2.02 E-3	All	659 N	1.35 E-2	Yearly 15.0
Iodines and Particulates	Thyroid	1.32 E-2	Infant	659 N	1.76 E-1	7.5

LAST LIQUID DOSE ACCUMULATIONS(REM)
START DATE 89 4 1 1 END DATE 89 63024

	BONE	LIVER	T.BODY	THYRD	KIDNEY	LUNG	GI-LLI	SKIN
WATER								
ADULT	1.8E-07	3.4E-06	3.3E-06	3.5E-06	3.1E-06	3.0E-06	3.9E-06	0.0E+00
TEEN	1.8E-07	2.4E-06	2.3E-06	2.5E-06	2.2E-06	2.2E-06	2.7E-06	0.0E+00
CHILD	5.2E-07	4.7E-06	4.4E-06	5.0E-06	4.3E-06	4.1E-06	4.5E-06	0.0E+00
INFANT	5.4E-07	4.8E-06	4.3E-06	5.5E-06	4.2E-06	4.1E-06	4.2E-06	0.0E+00
SHORE								
ADULT	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	4.9E-08	5.8E-08
TEEN	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	2.8E-07	3.2E-07
CHILD	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	5.7E-08	6.7E-08
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
FW SPT FISH								
ADULT	2.7E-05	4.6E-05	3.3E-05	7.1E-07	1.5E-05	5.2E-06	3.9E-05	0.0E+00
TEEN	2.9E-05	4.7E-05	1.9E-05	6.3E-07	1.6E-05	6.1E-06	2.7E-05	0.0E+00
CHILD	3.6E-05	4.1E-05	7.6E-06	6.2E-07	1.3E-05	4.8E-06	9.8E-06	0.0E+00
INFANT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
TOTAL								
ADULT	2.8E-05	4.9E-05	3.6E-05	4.2E-06	1.9E-05	8.3E-06	4.3E-05	5.8E-08
TEEN	2.9E-05	5.0E-05	2.1E-05	3.4E-06	1.8E-05	8.5E-06	3.0E-05	3.2E-07
CHILD	3.7E-05	4.6E-05	1.2E-05	5.7E-06	1.8E-05	9.0E-06	1.4E-05	6.7E-08
INFANT	5.4E-07	4.8E-06	4.3E-06	5.5E-06	4.2E-06	4.1E-06	4.2E-06	0.0E+00

```
DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 4 1 1 0 TO 89 63024 0
DOSE ACCUMULATION FOR BETA        RAD
FOR RELEASE POINT   1
**DIRECTION FROM  N
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ENE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  E
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM ESE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSE
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  S
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SSW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM SW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM WSW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM  W
 6.7074E-06    2.1948E-07    8.0784E-08    5.1337E-08    3.8937E-08
 2.3361E-08    1.1680E-08    7.0081E-09    5.0058E-09    3.5019E-09
**DIRECTION FROM WNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
**DIRECTION FROM NNW
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00    0.0000E+00
 DISTANCES USED IN CALCULATIONS
   594.0  2416.0  4020.0  5630.0  7240.0
 12067.0 24135.0 40225.0 56315.0 80500.0
```

FOR RELEASE POINT 2

**DIRECTION FROM N				
1.4483E-06	1.6108E-07	7.3222E-08	4.2666E-08	2.9577E-08
1.4480E-08	5.4860E-09	2.7234E-09	1.7495E-09	1.0943E-09
**DIRECTION FROM NNE				
1.2564E-06	1.5918E-07	7.5193E-08	4.4665E-08	3.1470E-08
1.5898E-08	6.2437E-09	3.1076E-09	1.9904E-09	1.2507E-09
**DIRECTION FROM NE				
1.0337E-06	1.2202E-07	5.8388E-08	3.5126E-08	2.4723E-08
1.2426E-08	4.9050E-09	2.4575E-09	1.5851E-09	1.0071E-09
**DIRECTION FROM ENE				
2.1594E-06	2.5764E-07	1.2971E-07	8.0682E-08	5.7462E-08
2.9386E-08	1.1987E-08	6.0850E-09	3.9432E-09	2.5232E-09
**DIRECTION FROM E				
2.9008E-06	3.1303E-07	1.6161E-07	1.0203E-07	7.3494E-08
3.8336E-08	1.5882E-08	8.0209E-09	5.1676E-09	3.3424E-09
**DIRECTION FROM ESE				
2.4553E-06	2.7377E-07	1.4041E-07	8.8251E-08	6.3416E-08
3.2954E-08	1.3606E-08	6.8819E-09	4.4402E-09	2.8642E-09
**DIRECTION FROM SE				
3.2708E-06	3.5302E-07	1.8166E-07	1.1445E-07	8.2460E-08
4.3056E-08	1.7827E-08	8.9968E-09	5.7921E-09	3.7441E-09
**DIRECTION FROM SSE				
5.8901E-06	6.4082E-07	3.2825E-07	2.0614E-07	1.4836E-07
7.7337E-08	3.1927E-08	1.6092E-08	1.0354E-08	6.6867E-09
**DIRECTION FROM S				
4.4016E-06	4.6678E-07	2.4179E-07	1.5307E-07	1.1034E-07
5.7605E-08	2.3908E-08	1.2085E-08	7.7876E-09	5.0410E-09
**DIRECTION FROM SSW				
1.9390E-06	2.1969E-07	1.1230E-07	7.0481E-08	5.0446E-08
2.5995E-08	1.0667E-08	5.3907E-09	3.4774E-09	2.2345E-09
**DIRECTION FROM SW				
1.4309E-06	1.5184E-07	7.5943E-08	4.7095E-08	3.3735E-08
1.7469E-08	7.1425E-09	3.6012E-09	2.3195E-09	1.4942E-09
**DIRECTION FROM WSW				
1.1359E-06	1.2556E-07	5.9348E-08	3.5548E-08	2.4932E-08
1.2437E-08	4.8681E-09	2.4429E-09	1.5740E-09	9.9393E-10
**DIRECTION FROM W				
1.2873E-06	1.4023E-07	6.9137E-08	4.2610E-08	3.0287E-08
1.5463E-08	6.2760E-09	3.1935E-09	2.0735E-09	1.3300E-09
**DIRECTION FROM WNW				
1.4045E-06	1.5963E-07	7.5303E-08	4.4965E-08	3.1507E-08
1.5696E-08	6.1252E-09	3.0687E-09	1.9765E-09	1.2465E-09
**DIRECTION FROM NW				
1.5148E-06	1.6901E-07	8.1026E-08	4.8919E-08	3.4447E-08
1.7297E-08	6.8289E-09	3.4275E-09	2.2075E-09	1.3996E-09
**DIRECTION FROM NNW				
1.3645E-06	1.3121E-07	5.9416E-08	3.4888E-08	2.4223E-08
1.1896E-08	4.5750E-09	2.3233E-09	1.5158E-09	9.6400E-10

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

DATES OF LAST AIR DOSE ACCUMULATION ARE FROM 89 4 1 1 0 TO 89 63024 0
DOSE ACCUMULATION FOR GAMMA RAD
FOR RELEASE POINT 1

**DIRECTION FROM N				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ENE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM E				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM ESE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSE				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM S				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM SW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM WSW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM W				
2.4512E-06	8.0208E-08	2.9522E-08	1.8761E-08	1.4229E-08
8.5372E-09	4.2684E-09	2.5611E-09	1.8293E-09	1.2797E-09
**DIRECTION FROM WNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
**DIRECTION FROM NNW				
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

FOR RELEASE POINT 2

**DIRECTION FROM N				
4.8710E-07	5.4178E-08	2.4627E-08	1.4350E-08	9.9478E-09
4.8701E-09	1.8451E-09	9.1599E-10	5.8841E-10	3.6805E-10
**DIRECTION FROM NNE				
4.2256E-07	5.3538E-08	2.5290E-08	1.5022E-08	1.0584E-08
5.3469E-09	2.1000E-09	1.0452E-09	6.6943E-10	4.2066E-10
**DIRECTION FROM NE				
3.4768E-07	4.1039E-08	1.9638E-08	1.1814E-08	8.3151E-09
4.1794E-09	1.6497E-09	8.2653E-10	5.3311E-10	3.3873E-10
**DIRECTION FROM ENE				
7.2629E-07	8.6653E-08	4.3628E-08	2.7136E-08	1.9327E-08
9.8837E-09	4.0316E-09	2.0466E-09	1.3262E-09	8.4863E-10
**DIRECTION FROM E				
9.7565E-07	1.0528E-07	5.4354E-08	3.4317E-08	2.4719E-08
1.2894E-08	5.3416E-09	2.6977E-09	1.7381E-09	1.1242E-09
**DIRECTION FROM ESE				
8.2581E-07	9.2079E-08	4.7225E-08	2.9682E-08	2.1329E-08
1.1084E-08	4.5762E-09	2.3146E-09	1.4934E-09	9.6333E-10
**DIRECTION FROM SE				
1.1001E-06	1.1873E-07	6.1099E-08	3.8493E-08	2.7734E-08
1.4481E-08	5.9958E-09	3.0260E-09	1.9481E-09	1.2593E-09
**DIRECTION FROM SSE				
1.9811E-06	2.1553E-07	1.1040E-07	6.9333E-08	4.9898E-08
2.6011E-08	1.0738E-08	5.4124E-09	3.4825E-09	2.2490E-09
**DIRECTION FROM S				
1.4804E-06	1.5700E-07	8.1321E-08	5.1482E-08	3.7111E-08
1.9375E-08	8.0411E-09	4.0647E-09	2.6193E-09	1.6955E-09
**DIRECTION FROM SSW				
6.5214E-07	7.3888E-08	3.7769E-08	2.3705E-08	1.6967E-08
8.7431E-09	3.5878E-09	1.8131E-09	1.1696E-09	7.5154E-10
**DIRECTION FROM SW				
4.8126E-07	5.1071E-08	2.5543E-08	1.5840E-08	1.1346E-08
5.8754E-09	2.4023E-09	1.2112E-09	7.8012E-10	5.0255E-10
**DIRECTION FROM WSW				
3.8206E-07	4.2232E-08	1.9961E-08	1.1956E-08	8.3857E-09
4.1829E-09	1.6373E-09	8.2163E-10	5.2939E-10	3.3429E-10
**DIRECTION FROM W				
4.3296E-07	4.7164E-08	2.3253E-08	1.4331E-08	1.0187E-08
5.2006E-09	2.1109E-09	1.0741E-09	6.9740E-10	4.4731E-10
**DIRECTION FROM WNW				
4.7237E-07	5.3691E-08	2.5327E-08	1.5123E-08	1.0597E-08
5.2790E-09	2.0601E-09	1.0321E-09	6.6476E-10	4.1926E-10
**DIRECTION FROM NW				
5.0950E-07	5.6846E-08	2.7252E-08	1.6453E-08	1.1586E-08
5.8176E-09	2.2968E-09	1.1528E-09	7.4245E-10	4.7073E-10
**DIRECTION FROM NNW				
4.5894E-07	4.4132E-08	1.9984E-08	1.1734E-08	8.1472E-09
4.0012E-09	1.5388E-09	7.8142E-10	5.0983E-10	3.2423E-10

DISTANCES USED IN CALCULATIONS

594.0	2416.0	4020.0	5630.0	7240.0
12067.0	24135.0	40225.0	56315.0	80500.0

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.5E-07	2.0E-06
TEEN	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.5E-07	2.0E-06
CHILD	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.5E-07	2.0E-06
INFNT	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.5E-07	2.0E-06
GROUND	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	1.0E-06
TEEN	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	1.0E-06
CHILD	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	1.0E-06
INFNT	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	8.6E-07	1.0E-06
VEGET	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	3.2E-10	2.0E-09	1.1E-10	2.6E-10	2.5E-10	4.8E-08	2.8E-12	0.0E+00
TEEN	4.3E-10	2.1E-09	1.0E-10	3.0E-10	2.4E-10	3.9E-08	3.6E-12	0.0E+00
CHILD	8.0E-10	1.3E-09	1.9E-10	4.3E-10	3.1E-10	6.0E-08	5.6E-12	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD N							
ADULT	9.1E-11	6.9E-10	1.3E-11	5.5E-11	3.1E-11	5.8E-09	3.8E-13	0.0E+00
TEEN	7.2E-11	3.7E-10	1.1E-11	4.3E-11	2.5E-11	4.2E-09	2.5E-13	0.0E+00
CHILD	1.1E-10	1.9E-10	2.0E-11	5.3E-11	3.2E-11	6.3E-09	3.0E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	1.3E-09	1.2E-09	1.5E-09	2.2E-09	3.6E-09	6.9E-07	4.4E-12	0.0E+00
TEEN	2.2E-09	1.5E-09	2.7E-09	3.8E-09	6.5E-09	1.1E-06	7.5E-12	0.0E+00
CHILD	4.0E-09	1.1E-09	6.5E-09	6.7E-09	1.1E-08	2.2E-06	1.2E-11	0.0E+00
INFNT	7.5E-09	1.0E-09	1.4E-08	1.6E-08	1.9E-08	5.2E-06	2.0E-11	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD N							
ADULT	1.5E-09	7.6E-10	1.8E-09	2.6E-09	4.4E-09	8.3E-07	1.1E-11	0.0E+00
TEEN	2.5E-09	1.0E-09	3.3E-09	4.6E-09	7.8E-09	1.3E-06	2.0E-11	0.0E+00
CHILD	4.5E-09	7.8E-10	8.0E-09	8.1E-09	1.3E-08	2.6E-06	3.0E-11	0.0E+00
INFNT	8.5E-09	7.7E-10	1.7E-08	2.0E-08	2.3E-08	6.3E-06	5.2E-11	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 659. METERS, WINDS TOWARD N							
ADULT	1.5E-09	3.3E-09	1.7E-09	2.5E-09	4.1E-09	7.5E-07	5.1E-08	0.0E+00
TEEN	1.9E-09	3.0E-09	2.3E-09	3.5E-09	5.7E-09	9.3E-07	7.4E-08	0.0E+00
CHILD	2.0E-09	1.2E-09	3.2E-09	3.4E-09	5.3E-09	1.0E-06	6.0E-08	0.0E+00
INFNT	1.4E-09	4.2E-10	2.5E-09	3.1E-09	3.5E-09	9.5E-07	3.9E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	8.6E-07	8.7E-07	8.6E-07	8.7E-07	8.7E-07	3.2E-06	9.1E-07	1.0E-06
TEEN	8.7E-07	8.7E-07	8.7E-07	8.7E-07	8.8E-07	4.2E-06	9.3E-07	1.0E-06
CHILD	8.7E-07	8.6E-07	8.8E-07	8.8E-07	8.9E-07	6.7E-06	9.2E-07	1.0E-06
INFNT	8.8E-07	8.6E-07	8.9E-07	9.0E-07	9.0E-07	1.3E-05	9.0E-07	1.0E-06
TOTALS								
ADULT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	3.9E-06	1.7E-06	3.0E-06
TEEN	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	5.0E-06	1.7E-06	3.0E-06
CHILD	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	7.4E-06	1.7E-06	3.0E-06
INFNT	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.4E-05	1.6E-06	3.0E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.4E-07	9.0E-07
TEEN	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.4E-07	9.0E-07
CHILD	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.4E-07	9.0E-07
INFNT	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.2E-07	3.4E-07	9.0E-07
GROUND PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.6E-07
TEEN	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.6E-07
CHILD	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.6E-07
INFNT	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	3.9E-07	4.6E-07
VEGET PATHWAY, DIST GP= 1, 814. METERS, WINDS TOWARD NNE								
ADULT	7.1E-09	4.5E-08	2.4E-09	5.8E-09	5.8E-09	1.1E-06	3.3E-11	0.0E+00
TEEN	9.5E-09	4.6E-08	2.4E-09	6.8E-09	5.4E-09	9.0E-07	4.7E-11	0.0E+00
CHILD	1.8E-08	3.0E-08	4.4E-09	9.7E-09	6.9E-09	1.4E-06	7.1E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NNE								
ADULT	4.5E-11	3.4E-10	6.4E-12	2.7E-11	1.6E-11	2.9E-09	1.2E-13	0.0E+00
TEEN	3.5E-11	1.8E-10	5.4E-12	2.1E-11	1.3E-11	2.1E-09	8.5E-14	0.0E+00
CHILD	5.4E-11	9.3E-11	1.0E-11	2.7E-11	1.6E-11	3.2E-09	1.0E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE								
ADULT	6.1E-10	5.7E-10	7.0E-10	1.0E-09	1.7E-09	3.3E-07	1.7E-12	0.0E+00
TEEN	1.0E-09	7.1E-10	1.3E-09	1.8E-09	3.1E-09	5.2E-07	3.0E-12	0.0E+00
CHILD	1.9E-09	5.2E-10	3.1E-09	3.2E-09	5.1E-09	1.0E-06	4.7E-12	0.0E+00
INFNT	3.5E-09	4.8E-10	6.5E-09	7.7E-09	8.8E-09	2.5E-06	8.1E-12	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NNE								
ADULT	7.1E-10	3.6E-10	8.6E-10	1.2E-09	2.1E-09	3.9E-07	4.5E-12	0.0E+00
TEEN	1.2E-09	4.7E-10	1.6E-09	2.2E-09	3.7E-09	6.2E-07	8.3E-12	0.0E+00
CHILD	2.1E-09	3.7E-10	3.8E-09	3.8E-09	6.1E-09	1.2E-06	1.3E-11	0.0E+00
INFNT	4.0E-09	3.6E-10	7.8E-09	9.3E-09	1.1E-08	3.0E-06	2.2E-11	0.0E+00
INHAL PATHWAY, DIST GP= 1, 660. METERS, WINDS TOWARD NNE								
ADULT	6.6E-10	1.1E-09	7.7E-10	1.2E-09	1.9E-09	3.5E-07	1.5E-08	0.0E+00
TEEN	8.5E-10	1.0E-09	1.1E-09	1.6E-09	2.6E-09	4.3E-07	2.2E-08	0.0E+00
CHILD	8.9E-10	4.0E-10	1.5E-09	1.5E-09	2.5E-09	4.8E-07	1.8E-08	0.0E+00
INFNT	6.3E-10	1.4E-10	1.2E-09	1.4E-09	1.6E-09	4.4E-07	1.2E-08	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	4.0E-07	4.4E-07	4.0E-07	4.0E-07	4.1E-07	2.6E-06	4.1E-07	4.6E-07
TEEN	4.1E-07	4.4E-07	4.0E-07	4.1E-07	4.1E-07	2.9E-06	4.2E-07	4.6E-07
CHILD	4.2E-07	4.3E-07	4.1E-07	4.1E-07	4.2E-07	4.5E-06	4.1E-07	4.6E-07
INFNT	4.0E-07	4.0E-07	4.1E-07	4.1E-07	4.2E-07	6.3E-06	4.1E-07	4.6E-07
TOTALS								
ADULT	7.2E-07	7.6E-07	7.2E-07	7.2E-07	7.3E-07	2.9E-06	7.5E-07	1.4E-06
TEEN	7.3E-07	7.6E-07	7.2E-07	7.3E-07	7.3E-07	3.2E-06	7.5E-07	1.4E-06
CHILD	7.4E-07	7.5E-07	7.3E-07	7.3E-07	7.4E-07	4.8E-06	7.5E-07	1.4E-06
INFNT	7.2E-07	7.2E-07	7.3E-07	7.3E-07	7.4E-07	6.6E-06	7.4E-07	1.4E-06

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.7E-07
TEEN	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.7E-07
CHILD	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.7E-07
INFNT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.4E-07	3.7E-07
GROUND	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.7E-07
TEEN	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.7E-07
CHILD	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.7E-07
INFNT	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.1E-07	3.7E-07
VEGET	PATHWAY, DIST GP= 1, 1052. METERS, WINDS TOWARD NE							
ADULT	6.9E-09	4.2E-08	2.5E-09	5.7E-09	5.9E-09	1.1E-06	3.1E-11	0.0E+00
TEEN	9.1E-09	4.3E-08	2.4E-09	6.6E-09	5.6E-09	9.3E-07	4.6E-11	0.0E+00
CHILD	1.7E-08	2.8E-08	4.6E-09	9.5E-09	7.1E-09	1.4E-06	7.0E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 7725. METERS, WINDS TOWARD NE							
ADULT	6.5E-11	4.9E-10	1.0E-11	4.0E-11	2.4E-11	4.6E-09	1.7E-13	0.0E+00
TEEN	5.1E-11	2.6E-10	8.5E-12	3.2E-11	2.0E-11	3.3E-09	1.2E-13	0.0E+00
CHILD	7.9E-11	1.3E-10	1.6E-11	3.9E-11	2.5E-11	5.1E-09	1.4E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	9.6E-10	8.6E-10	1.1E-09	1.6E-09	2.7E-09	5.2E-07	2.6E-12	0.0E+00
TEEN	1.6E-09	1.1E-09	2.0E-09	2.9E-09	4.8E-09	8.1E-07	4.7E-12	0.0E+00
CHILD	2.9E-09	7.8E-10	4.9E-09	5.0E-09	8.0E-09	1.6E-06	7.2E-12	0.0E+00
INFNT	5.5E-09	7.3E-10	1.0E-08	1.2E-08	1.4E-08	3.9E-06	1.3E-11	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD NE							
ADULT	1.1E-09	5.6E-10	1.4E-09	1.9E-09	3.3E-09	6.2E-07	6.9E-12	0.0E+00
TEEN	1.8E-09	7.4E-10	2.5E-09	3.4E-09	5.8E-09	9.8E-07	1.3E-11	0.0E+00
CHILD	3.4E-09	5.7E-10	5.9E-09	6.0E-09	9.6E-09	1.9E-06	2.0E-11	0.0E+00
INFNT	6.3E-09	5.6E-10	1.2E-08	1.5E-08	1.7E-08	4.7E-06	3.5E-11	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 943. METERS, WINDS TOWARD NE							
ADULT	2.5E-10	6.9E-10	2.7E-10	4.2E-10	6.7E-10	1.2E-07	1.1E-08	0.0E+00
TEEN	3.2E-10	6.4E-10	3.8E-10	5.7E-10	9.2E-10	1.5E-07	1.7E-08	0.0E+00
CHILD	3.4E-10	2.5E-10	5.1E-10	5.5E-10	8.6E-10	1.7E-07	1.3E-08	0.0E+00
INFNT	2.3E-10	8.7E-11	4.0E-10	5.0E-10	5.6E-10	1.5E-07	8.6E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.2E-07	3.6E-07	3.2E-07	3.2E-07	3.3E-07	2.7E-06	3.2E-07	3.7E-07
TEEN	3.3E-07	3.6E-07	3.2E-07	3.3E-07	3.3E-07	3.2E-06	3.3E-07	3.7E-07
CHILD	3.4E-07	3.4E-07	3.3E-07	3.3E-07	3.4E-07	5.4E-06	3.3E-07	3.7E-07
INFNT	3.2E-07	3.1E-07	3.4E-07	3.4E-07	3.4E-07	9.1E-06	3.2E-07	3.7E-07
TOTALS								
ADULT	4.5E-07	4.9E-07	4.5E-07	4.5E-07	4.6E-07	2.8E-06	4.6E-07	7.4E-07
TEEN	4.6E-07	4.9E-07	4.5E-07	4.6E-07	4.6E-07	3.3E-06	4.7E-07	7.4E-07
CHILD	4.7E-07	4.7E-07	4.6E-07	4.7E-07	4.7E-07	5.6E-06	4.6E-07	7.4E-07
INFNT	4.6E-07	4.5E-07	4.7E-07	4.7E-07	4.8E-07	9.2E-06	4.6E-07	7.4E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
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	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE								
ADULT	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.8E-08	1.0E-07
TEEN	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.8E-08	1.0E-07
CHILD	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.8E-08	1.0E-07
INFNT	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.6E-08	3.8E-08	1.0E-07
GROUND PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE								
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
TEEN	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
CHILD	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
INFNT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07
VEGET PATHWAY, DIST GP= 1, 1852. METERS, WINDS TOWARD ENE								
ADULT	2.6E-09	1.6E-08	1.0E-09	2.3E-09	2.4E-09	4.5E-07	1.3E-11	0.0E+00
TEEN	3.4E-09	1.6E-08	9.9E-10	2.6E-09	2.3E-09	3.8E-07	1.9E-11	0.0E+00
CHILD	6.4E-09	1.0E-08	1.9E-09	3.7E-09	2.9E-09	5.7E-07	3.0E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 3862. METERS, WINDS TOWARD ENE								
ADULT	2.2E-10	1.7E-09	3.8E-11	1.4E-10	9.0E-11	1.7E-08	5.2E-13	0.0E+00
TEEN	1.8E-10	8.9E-10	3.1E-11	1.1E-10	7.4E-11	1.2E-08	3.8E-13	0.0E+00
CHILD	2.7E-10	4.5E-10	5.8E-11	1.4E-10	9.4E-11	1.9E-08	4.5E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE								
ADULT	1.0E-09	8.6E-10	1.2E-09	1.7E-09	2.8E-09	5.4E-07	2.7E-12	0.0E+00
TEEN	1.7E-09	1.1E-09	2.1E-09	3.0E-09	5.0E-09	8.5E-07	4.9E-12	0.0E+00
CHILD	3.1E-09	7.8E-10	5.1E-09	5.2E-09	8.4E-09	1.7E-06	7.6E-12	0.0E+00
INFNT	5.7E-09	7.3E-10	1.1E-08	1.3E-08	1.5E-08	4.1E-06	1.3E-11	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ENE								
ADULT	1.2E-09	5.8E-10	1.4E-09	2.0E-09	3.4E-09	6.4E-07	7.2E-12	0.0E+00
TEEN	1.9E-09	7.6E-10	2.6E-09	3.6E-09	6.1E-09	1.0E-06	1.4E-11	0.0E+00
CHILD	3.5E-09	5.9E-10	6.2E-09	6.3E-09	1.0E-08	2.0E-06	2.1E-11	0.0E+00
INFNT	6.6E-09	5.8E-10	1.3E-08	1.5E-08	1.7E-08	4.9E-06	3.7E-11	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1747. METERS, WINDS TOWARD ENE								
ADULT	7.2E-11	2.6E-10	7.2E-11	1.2E-10	1.8E-10	3.3E-08	4.4E-09	0.0E+00
TEEN	9.2E-11	2.4E-10	1.0E-10	1.6E-10	2.5E-10	4.0E-08	6.4E-09	0.0E+00
CHILD	9.7E-11	9.2E-11	1.4E-10	1.5E-10	2.3E-10	4.5E-08	5.2E-09	0.0E+00
INFNT	6.6E-11	3.2E-11	1.1E-10	1.4E-10	1.5E-10	4.1E-08	3.4E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.1E-07	1.3E-07	1.1E-07	1.1E-07	1.2E-07	1.8E-06	1.1E-07	1.3E-07
TEEN	1.1E-07	1.3E-07	1.1E-07	1.2E-07	1.2E-07	2.4E-06	1.1E-07	1.3E-07
CHILD	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	4.4E-06	1.1E-07	1.3E-07
INFNT	1.2E-07	1.1E-07	1.3E-07	1.3E-07	1.4E-07	9.1E-06	1.1E-07	1.3E-07
TOTALS								
ADULT	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-06	1.5E-07	2.3E-07
TEEN	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	2.4E-06	1.5E-07	2.3E-07
CHILD	1.6E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07	4.5E-06	1.5E-07	2.3E-07
INFNT	1.6E-07	1.4E-07	1.7E-07	1.7E-07	1.7E-07	9.1E-06	1.5E-07	2.3E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
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	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	4.4E-07
TEEN	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	4.4E-07
CHILD	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	4.4E-07
INFNT	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	4.4E-07
GROUND PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.5E-07
TEEN	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.5E-07
CHILD	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.5E-07
INFNT	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.3E-07	1.5E-07
VEGET PATHWAY, DIST GP= 1, 1705. METERS, WINDS TOWARD E								
ADULT	1.8E-08	3.4E-08	2.6E-09	1.8E-08	2.0E-08	1.2E-06	1.3E-08	0.0E+00
TEEN	2.1E-08	3.6E-08	2.5E-09	2.0E-08	2.1E-08	1.0E-06	1.5E-08	0.0E+00
CHILD	3.3E-08	3.7E-08	4.7E-09	3.0E-08	3.1E-08	1.5E-06	2.3E-08	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 6810. METERS, WINDS TOWARD E								
ADULT	2.6E-10	8.3E-10	3.0E-11	2.3E-10	2.3E-10	1.4E-08	1.5E-10	0.0E+00
TEEN	1.7E-10	4.5E-10	2.5E-11	1.5E-10	1.5E-10	1.0E-08	9.2E-11	0.0E+00
CHILD	2.3E-10	2.9E-10	4.6E-11	1.9E-10	1.9E-10	1.5E-08	1.1E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	3.1E-09	2.4E-09	2.7E-09	4.8E-09	7.5E-09	1.2E-06	8.9E-10	0.0E+00
TEEN	4.9E-09	3.1E-09	4.9E-09	8.0E-09	1.3E-08	2.0E-06	1.2E-09	0.0E+00
CHILD	8.7E-09	3.3E-09	1.2E-08	1.4E-08	2.1E-08	3.9E-06	1.8E-09	0.0E+00
INFNT	1.6E-08	4.2E-09	2.5E-08	3.2E-08	3.7E-08	9.5E-06	2.8E-09	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD E								
ADULT	4.5E-09	3.1E-09	3.2E-09	6.4E-09	9.7E-09	1.5E-06	1.8E-09	0.0E+00
TEEN	6.8E-09	4.1E-09	5.9E-09	1.1E-08	1.6E-08	2.4E-06	2.4E-09	0.0E+00
CHILD	1.2E-08	5.1E-09	1.4E-08	1.8E-08	2.7E-08	4.7E-06	3.7E-09	0.0E+00
INFNT	2.1E-08	7.0E-09	3.0E-08	4.1E-08	4.6E-08	1.1E-05	5.7E-09	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1716. METERS, WINDS TOWARD E								
ADULT	7.3E-09	7.6E-09	1.5E-10	7.4E-09	7.5E-09	7.2E-08	1.4E-08	0.0E+00
TEEN	7.4E-09	7.6E-09	2.0E-10	7.5E-09	7.7E-09	8.8E-08	1.7E-08	0.0E+00
CHILD	6.6E-09	6.5E-09	2.8E-10	6.7E-09	6.9E-09	9.7E-08	1.4E-08	0.0E+00
INFNT	3.8E-09	3.7E-09	2.2E-10	3.9E-09	4.0E-09	8.6E-08	8.9E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.6E-07	1.7E-07	1.4E-07	1.6E-07	1.7E-07	4.2E-06	1.6E-07	1.5E-07
TEEN	1.7E-07	1.8E-07	1.4E-07	1.7E-07	1.8E-07	5.6E-06	1.6E-07	1.5E-07
CHILD	1.9E-07	1.8E-07	1.6E-07	2.0E-07	2.1E-07	1.0E-05	1.7E-07	1.5E-07
INFNT	1.7E-07	1.4E-07	1.8E-07	2.0E-07	2.1E-07	2.1E-05	1.4E-07	1.5E-07
TOTALS								
ADULT	3.1E-07	3.3E-07	2.9E-07	3.2E-07	3.3E-07	4.3E-06	3.2E-07	5.9E-07
TEEN	3.2E-07	3.3E-07	2.9E-07	3.3E-07	3.4E-07	5.7E-06	3.2E-07	5.9E-07
CHILD	3.4E-07	3.3E-07	3.1E-07	3.5E-07	3.7E-07	1.1E-05	3.3E-07	5.9E-07
INFNT	3.2E-07	3.0E-07	3.3E-07	3.6E-07	3.7E-07	2.1E-05	3.1E-07	5.9E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.7E-08	1.5E-07
TEEN	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.7E-08	1.5E-07
CHILD	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.7E-08	1.5E-07
INFNT	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.5E-08	5.7E-08	1.5E-07
GROUND PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
TEEN	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
CHILD	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
INFNT	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	1.7E-07	2.0E-07
VEGET PATHWAY, DIST GP= 1, 1628. METERS, WINDS TOWARD ESE								
ADULT	4.1E-09	2.8E-08	1.1E-09	3.1E-09	2.7E-09	5.2E-07	1.7E-11	0.0E+00
TEEN	5.7E-09	2.8E-08	1.1E-09	3.7E-09	2.6E-09	4.3E-07	2.3E-11	0.0E+00
CHILD	1.1E-08	1.8E-08	2.1E-09	5.4E-09	3.3E-09	6.5E-07	3.6E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 2434. METERS, WINDS TOWARD ESE								
ADULT	6.2E-10	4.9E-09	7.1E-11	3.6E-10	1.7E-10	3.2E-08	1.1E-12	0.0E+00
TEEN	4.9E-10	2.6E-09	5.9E-11	2.8E-10	1.4E-10	2.3E-08	7.9E-13	0.0E+00
CHILD	7.6E-10	1.3E-09	1.1E-10	3.5E-10	1.8E-10	3.5E-08	9.4E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	9.4E-10	1.0E-09	1.1E-09	1.6E-09	2.6E-09	4.9E-07	2.6E-12	0.0E+00
TEEN	1.6E-09	1.2E-09	1.9E-09	2.7E-09	4.6E-09	7.8E-07	4.5E-12	0.0E+00
CHILD	2.9E-09	8.9E-10	4.7E-09	4.8E-09	7.7E-09	1.5E-06	6.9E-12	0.0E+00
INFNT	5.4E-09	8.2E-10	9.7E-09	1.2E-08	1.3E-08	3.7E-06	1.2E-11	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD ESE								
ADULT	1.1E-09	5.6E-10	1.3E-09	1.9E-09	3.1E-09	5.9E-07	6.7E-12	0.0E+00
TEEN	1.8E-09	7.3E-10	2.3E-09	3.3E-09	5.6E-09	9.3E-07	1.2E-11	0.0E+00
CHILD	3.2E-09	5.7E-10	5.7E-09	5.7E-09	9.2E-09	1.8E-06	1.9E-11	0.0E+00
INFNT	6.1E-09	5.5E-10	1.2E-08	1.4E-08	1.6E-08	4.5E-06	3.2E-11	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1643. METERS, WINDS TOWARD ESE								
ADULT	1.1E-10	3.5E-10	1.2E-10	1.8E-10	2.9E-10	5.3E-08	5.9E-09	0.0E+00
TEEN	1.4E-10	3.3E-10	1.6E-10	2.5E-10	4.0E-10	6.5E-08	8.6E-09	0.0E+00
CHILD	1.5E-10	1.3E-10	2.2E-10	2.4E-10	3.7E-10	7.3E-08	7.0E-09	0.0E+00
INFNT	1.0E-10	4.4E-11	1.7E-10	2.2E-10	2.5E-10	6.7E-08	4.5E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.8E-07	2.0E-07	1.7E-07	1.8E-07	1.8E-07	1.9E-06	1.8E-07	2.0E-07
TEEN	1.8E-07	2.0E-07	1.8E-07	1.8E-07	1.8E-07	2.4E-06	1.8E-07	2.0E-07
CHILD	1.9E-07	1.9E-07	1.8E-07	1.9E-07	1.9E-07	4.3E-06	1.8E-07	2.0E-07
INFNT	1.8E-07	1.7E-07	1.9E-07	2.0E-07	2.0E-07	8.5E-06	1.7E-07	2.0E-07
TOTALS								
ADULT	2.3E-07	2.6E-07	2.3E-07	2.3E-07	2.3E-07	1.9E-06	2.3E-07	3.5E-07
TEEN	2.3E-07	2.6E-07	2.3E-07	2.3E-07	2.4E-07	2.5E-06	2.4E-07	3.5E-07
CHILD	2.4E-07	2.5E-07	2.4E-07	2.4E-07	2.5E-07	4.4E-06	2.3E-07	3.5E-07
INFNT	2.4E-07	2.3E-07	2.5E-07	2.5E-07	2.5E-07	8.5E-06	2.3E-07	3.5E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
TEEN	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
CHILD	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
INFNT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	3.0E-07
GROUND PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
TEEN	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
CHILD	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
INFNT	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.8E-07
VEGET PATHWAY, DIST GP= 1, 914. METERS, WINDS TOWARD SE								
ADULT	8.8E-09	5.6E-08	2.9E-09	7.1E-09	7.0E-09	1.3E-06	4.9E-11	0.0E+00
TEEN	1.2E-08	5.7E-08	2.8E-09	8.3E-09	6.5E-09	1.1E-06	6.7E-11	0.0E+00
CHILD	2.2E-08	3.7E-08	5.4E-09	1.2E-08	8.4E-09	1.6E-06	1.0E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 4354. METERS, WINDS TOWARD SE								
ADULT	1.9E-10	1.5E-09	2.7E-11	1.2E-10	6.5E-11	1.2E-08	5.6E-13	0.0E+00
TEEN	1.5E-10	7.9E-10	2.3E-11	9.1E-11	5.3E-11	8.9E-09	3.8E-13	0.0E+00
CHILD	2.3E-10	4.0E-10	4.2E-11	1.1E-10	6.7E-11	1.3E-08	4.5E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE								
ADULT	9.0E-10	8.5E-10	1.0E-09	1.5E-09	2.5E-09	4.8E-07	2.9E-12	0.0E+00
TEEN	1.5E-09	1.1E-09	1.9E-09	2.7E-09	4.5E-09	7.6E-07	4.9E-12	0.0E+00
CHILD	2.8E-09	7.7E-10	4.5E-09	4.6E-09	7.4E-09	1.5E-06	7.7E-12	0.0E+00
INFNT	5.2E-09	7.1E-10	9.4E-09	1.1E-08	1.3E-08	3.6E-06	1.3E-11	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SE								
ADULT	1.0E-09	5.3E-10	1.3E-09	1.8E-09	3.0E-09	5.7E-07	7.4E-12	0.0E+00
TEEN	1.7E-09	6.9E-10	2.3E-09	3.2E-09	5.4E-09	9.1E-07	1.3E-11	0.0E+00
CHILD	3.1E-09	5.4E-10	5.5E-09	5.6E-09	9.0E-09	1.8E-06	2.0E-11	0.0E+00
INFNT	5.9E-09	5.3E-10	1.1E-08	1.4E-08	1.6E-08	4.4E-06	3.5E-11	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1136. METERS, WINDS TOWARD SE								
ADULT	1.8E-10	7.5E-10	1.7E-10	2.8E-10	4.3E-10	7.7E-08	1.3E-08	0.0E+00
TEEN	2.3E-10	6.9E-10	2.4E-10	3.8E-10	5.8E-10	9.5E-08	1.9E-08	0.0E+00
CHILD	2.4E-10	2.7E-10	3.2E-10	3.6E-10	5.4E-10	1.1E-07	1.5E-08	0.0E+00
INFNT	1.6E-10	9.2E-11	2.5E-10	3.3E-10	3.6E-10	9.7E-08	9.9E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	2.5E-07	3.0E-07	2.5E-07	2.5E-07	2.5E-07	2.7E-06	2.5E-07	2.8E-07
TEEN	2.6E-07	3.0E-07	2.5E-07	2.5E-07	2.6E-07	3.1E-06	2.6E-07	2.8E-07
CHILD	2.7E-07	2.8E-07	2.6E-07	2.6E-07	2.7E-07	5.3E-06	2.6E-07	2.8E-07
INFNT	2.5E-07	2.4E-07	2.6E-07	2.6E-07	2.7E-07	8.3E-06	2.5E-07	2.8E-07
TOTALS								
ADULT	3.6E-07	4.1E-07	3.5E-07	3.6E-07	3.6E-07	2.8E-06	3.6E-07	5.8E-07
TEEN	3.6E-07	4.1E-07	3.5E-07	3.6E-07	3.6E-07	3.2E-06	3.7E-07	5.8E-07
CHILD	3.7E-07	3.8E-07	3.6E-07	3.7E-07	3.7E-07	5.4E-06	3.7E-07	5.8E-07
INFNT	3.6E-07	3.5E-07	3.7E-07	3.7E-07	3.7E-07	8.4E-06	3.6E-07	5.8E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.5E-07
TEEN	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.5E-07
CHILD	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.5E-07
INFNT	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.5E-07
GROUND PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07
TEEN	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07
CHILD	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07
INFNT	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07
VEGET PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	8.8E-09	5.0E-08	3.9E-09	8.1E-09	9.3E-09	1.7E-06	4.4E-11	0.0E+00
TEEN	1.1E-08	5.0E-08	3.8E-09	9.1E-09	8.7E-09	1.4E-06	6.7E-11	0.0E+00
CHILD	2.1E-08	3.2E-08	7.2E-09	1.3E-08	1.1E-08	2.2E-06	1.0E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT PATHWAY, DIST GP= 1, 1093. METERS, WINDS TOWARD SSE								
ADULT	2.3E-09	1.7E-08	4.7E-10	1.6E-09	1.1E-09	2.1E-07	5.3E-12	0.0E+00
TEEN	1.8E-09	9.1E-09	3.9E-10	1.2E-09	9.2E-10	1.5E-07	4.0E-12	0.0E+00
CHILD	2.8E-09	4.6E-09	7.2E-10	1.5E-09	1.2E-09	2.3E-07	4.8E-12	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	1.6E-09	1.2E-09	1.9E-09	2.7E-09	4.5E-09	8.6E-07	4.1E-12	0.0E+00
TEEN	2.6E-09	1.6E-09	3.4E-09	4.7E-09	8.0E-09	1.4E-06	7.6E-12	0.0E+00
CHILD	4.8E-09	1.2E-09	8.1E-09	8.3E-09	1.3E-08	2.7E-06	1.2E-11	0.0E+00
INFNT	9.1E-09	1.1E-09	1.7E-08	2.0E-08	2.3E-08	6.5E-06	2.1E-11	0.0E+00
GOAT PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSE								
ADULT	1.9E-09	9.1E-10	2.3E-09	3.2E-09	5.4E-09	1.0E-06	1.1E-11	0.0E+00
TEEN	3.1E-09	1.2E-09	4.1E-09	5.7E-09	9.7E-09	1.6E-06	2.1E-11	0.0E+00
CHILD	5.6E-09	9.4E-10	9.9E-09	1.0E-08	1.6E-08	3.2E-06	3.3E-11	0.0E+00
INFNT	1.1E-08	9.2E-10	2.1E-08	2.4E-08	2.8E-08	7.8E-06	5.8E-11	0.0E+00
INHAL PATHWAY, DIST GP= 1, 1507. METERS, WINDS TOWARD SSE								
ADULT	1.1E-10	3.9E-10	1.1E-10	1.8E-10	2.8E-10	5.0E-08	6.7E-09	0.0E+00
TEEN	1.4E-10	3.6E-10	1.5E-10	2.4E-10	3.8E-10	6.1E-08	9.7E-09	0.0E+00
CHILD	1.5E-10	1.4E-10	2.1E-10	2.3E-10	3.5E-10	6.9E-08	7.9E-09	0.0E+00
INFNT	1.0E-10	4.9E-11	1.6E-10	2.1E-10	2.3E-10	6.3E-08	5.1E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.9E-07	2.5E-07	1.9E-07	1.9E-07	2.0E-07	4.1E-06	1.8E-07	2.1E-07
TEEN	2.0E-07	2.4E-07	1.9E-07	2.0E-07	2.0E-07	4.8E-06	1.9E-07	2.1E-07
CHILD	2.1E-07	2.2E-07	2.0E-07	2.1E-07	2.2E-07	8.6E-06	1.8E-07	2.1E-07
INFNT	2.0E-07	1.8E-07	2.1E-07	2.2E-07	2.3E-07	1.5E-05	1.8E-07	2.1E-07
TOTALS								
ADULT	2.4E-07	3.0E-07	2.4E-07	2.5E-07	2.5E-07	4.1E-06	2.4E-07	3.6E-07
TEEN	2.5E-07	2.9E-07	2.4E-07	2.5E-07	2.6E-07	4.9E-06	2.4E-07	3.6E-07
CHILD	2.6E-07	2.7E-07	2.6E-07	2.6E-07	2.7E-07	8.6E-06	2.4E-07	3.6E-07
INFNT	2.5E-07	2.3E-07	2.7E-07	2.7E-07	2.8E-07	1.5E-05	2.4E-07	3.6E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	3.1E-07
TEEN	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	3.1E-07
CHILD	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	3.1E-07
INFNT	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	3.1E-07
GROUND	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
TEEN	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
CHILD	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
INFNT	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	3.5E-07	4.1E-07
VEGET	PATHWAY, DIST GP= 1, 863. METERS, WINDS TOWARD S							
ADULT	1.2E-08	7.5E-08	3.9E-09	9.5E-09	9.4E-09	1.8E-06	4.8E-11	0.0E+00
TEEN	1.6E-08	7.7E-08	3.8E-09	1.1E-08	8.8E-09	1.5E-06	7.0E-11	0.0E+00
CHILD	3.0E-08	4.9E-08	7.2E-09	1.6E-08	1.1E-08	2.2E-06	1.1E-10	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 6115. METERS, WINDS TOWARD S							
ADULT	1.3E-10	9.6E-10	1.7E-11	7.5E-11	4.2E-11	7.9E-09	2.5E-13	0.0E+00
TEEN	9.8E-11	5.1E-10	1.5E-11	5.9E-11	3.4E-11	5.7E-09	1.8E-13	0.0E+00
CHILD	1.5E-10	2.6E-10	2.7E-11	7.3E-11	4.3E-11	8.7E-09	2.2E-13	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	1.1E-09	1.0E-09	1.3E-09	1.8E-09	3.1E-09	5.9E-07	2.8E-12	0.0E+00
TEEN	1.8E-09	1.3E-09	2.3E-09	3.3E-09	5.5E-09	9.3E-07	5.0E-12	0.0E+00
CHILD	3.4E-09	9.4E-10	5.5E-09	5.7E-09	9.1E-09	1.8E-06	7.8E-12	0.0E+00
INFNT	6.3E-09	8.7E-10	1.2E-08	1.4E-08	1.6E-08	4.4E-06	1.4E-11	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD S							
ADULT	1.3E-09	6.4E-10	1.5E-09	2.2E-09	3.7E-09	7.0E-07	7.4E-12	0.0E+00
TEEN	2.1E-09	8.5E-10	2.8E-09	3.9E-09	6.6E-09	1.1E-06	1.4E-11	0.0E+00
CHILD	3.8E-09	6.6E-10	6.8E-09	6.8E-09	1.1E-08	2.2E-06	2.2E-11	0.0E+00
INFNT	7.2E-09	6.4E-10	1.4E-08	1.7E-08	1.9E-08	5.3E-06	3.8E-11	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 1026. METERS, WINDS TOWARD S							
ADULT	1.5E-10	6.3E-10	1.4E-10	2.3E-10	3.5E-10	6.4E-08	1.1E-08	0.0E+00
TEEN	1.9E-10	5.8E-10	2.0E-10	3.1E-10	4.8E-10	7.9E-08	1.6E-08	0.0E+00
CHILD	2.0E-10	2.2E-10	2.7E-10	3.0E-10	4.5E-10	8.8E-08	1.3E-08	0.0E+00
INFNT	1.3E-10	7.7E-11	2.1E-10	2.7E-10	3.0E-10	8.1E-08	8.3E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	3.6E-07	4.3E-07	3.5E-07	3.6E-07	3.6E-07	3.5E-06	3.6E-07	4.1E-07
TEEN	3.7E-07	4.3E-07	3.6E-07	3.7E-07	3.7E-07	3.9E-06	3.6E-07	4.1E-07
CHILD	3.8E-07	4.0E-07	3.7E-07	3.8E-07	3.8E-07	6.7E-06	3.6E-07	4.1E-07
INFNT	3.6E-07	3.5E-07	3.7E-07	3.8E-07	3.8E-07	1.0E-05	3.6E-07	4.1E-07
TOTALS								
ADULT	4.7E-07	5.4E-07	4.7E-07	4.7E-07	4.8E-07	3.6E-06	4.8E-07	7.2E-07
TEEN	4.8E-07	5.4E-07	4.7E-07	4.8E-07	4.8E-07	4.0E-06	4.8E-07	7.2E-07
CHILD	5.0E-07	5.1E-07	4.8E-07	4.9E-07	4.9E-07	6.8E-06	4.8E-07	7.2E-07
INFNT	4.7E-07	4.6E-07	4.8E-07	4.9E-07	4.9E-07	1.0E-05	4.7E-07	7.2E-07

INDIVIDUAL DOSES(REM) DUE TO GASEOUS EFFLUENT
FOR DATES 89 4 1 1 THRU 89 63024

	T.BODY	GI-TRCT	BONE	LIVER	KIDNEY	THYRD	LUNG	SKIN
PLUME	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	3.5E-07
TEEN	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	3.5E-07
CHILD	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	3.5E-07
INFNT	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	3.5E-07
GROUND	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
TEEN	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
CHILD	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
INFNT	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07
VEGET	PATHWAY, DIST GP= 1, 770. METERS, WINDS TOWARD SSW							
ADULT	4.1E-09	2.7E-08	1.2E-09	3.2E-09	3.0E-09	5.6E-07	2.9E-11	0.0E+00
TEEN	5.5E-09	2.7E-08	1.2E-09	3.8E-09	2.8E-09	4.7E-07	3.8E-11	0.0E+00
CHILD	1.0E-08	1.8E-08	2.3E-09	5.4E-09	3.6E-09	7.1E-07	5.8E-11	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
MEAT	PATHWAY, DIST GP= 1, 8045. METERS, WINDS TOWARD SSW							
ADULT	2.2E-11	1.7E-10	2.8E-12	1.3E-11	6.9E-12	1.3E-09	1.1E-13	0.0E+00
TEEN	1.8E-11	9.3E-11	2.4E-12	1.0E-11	5.6E-12	9.3E-10	7.1E-14	0.0E+00
CHILD	2.7E-11	4.7E-11	4.4E-12	1.3E-11	7.1E-12	1.4E-09	8.5E-14	0.0E+00
INFNT	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
COW	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	2.9E-10	2.9E-10	3.3E-10	4.9E-10	8.1E-10	1.5E-07	1.2E-12	0.0E+00
TEEN	4.9E-10	3.6E-10	6.0E-10	8.6E-10	1.4E-09	2.4E-07	1.9E-12	0.0E+00
CHILD	9.0E-10	2.6E-10	1.5E-09	1.5E-09	2.4E-09	4.8E-07	3.0E-12	0.0E+00
INFNT	1.7E-09	2.4E-10	3.0E-09	3.6E-09	4.2E-09	1.2E-06	5.0E-12	0.0E+00
GOAT	PATHWAY, DIST GP= 1, 3556. METERS, WINDS TOWARD SSW							
ADULT	3.4E-10	1.7E-10	4.0E-10	5.8E-10	9.8E-10	1.8E-07	2.9E-12	0.0E+00
TEEN	5.5E-10	2.3E-10	7.3E-10	1.0E-09	1.7E-09	2.9E-07	4.9E-12	0.0E+00
CHILD	1.0E-09	1.8E-10	1.8E-09	1.8E-09	2.9E-09	5.8E-07	7.6E-12	0.0E+00
INFNT	1.9E-09	1.7E-10	3.7E-09	4.4E-09	5.0E-09	1.4E-06	1.3E-11	0.0E+00
INHAL	PATHWAY, DIST GP= 1, 942. METERS, WINDS TOWARD SSW							
ADULT	1.7E-10	5.6E-10	1.7E-10	2.8E-10	4.4E-10	8.0E-08	9.4E-09	0.0E+00
TEEN	2.2E-10	5.2E-10	2.5E-10	3.8E-10	6.0E-10	9.8E-08	1.4E-08	0.0E+00
CHILD	2.3E-10	2.0E-10	3.3E-10	3.7E-10	5.6E-10	1.1E-07	1.1E-08	0.0E+00
INFNT	1.6E-10	7.0E-11	2.6E-10	3.3E-10	3.7E-10	1.0E-07	7.1E-09	0.0E+00
SUBTOTALS (NO PLUME)								
ADULT	1.2E-07	1.4E-07	1.2E-07	1.2E-07	1.2E-07	1.1E-06	1.3E-07	1.4E-07
TEEN	1.2E-07	1.4E-07	1.2E-07	1.2E-07	1.2E-07	1.2E-06	1.3E-07	1.4E-07
CHILD	1.3E-07	1.3E-07	1.2E-07	1.3E-07	1.3E-07	2.0E-06	1.3E-07	1.4E-07
INFNT	1.2E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	2.8E-06	1.2E-07	1.4E-07
TOTALS								
ADULT	2.4E-07	2.7E-07	2.4E-07	2.4E-07	2.5E-07	1.2E-06	2.6E-07	4.9E-07
TEEN	2.5E-07	2.7E-07	2.4E-07	2.5E-07	2.5E-07	1.3E-06	2.6E-07	4.9E-07
CHILD	2.5E-07	2.6E-07	2.5E-07	2.5E-07	2.5E-07	2.1E-06	2.6E-07	4.9E-07
INFNT	2.4E-07	2.4E-07	2.5E-07	2.5E-07	2.5E-07	2.9E-06	2.5E-07	4.9E-07

APPENDIX 2.1

Summary of Hourly Meteorological Data
First Quarter, 1989

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	8	22	2	0	0	32
NNE	0	4	3	2	0	0	9
NE	0	4	4	3	2	0	13
ENE	0	5	10	0	0	0	15
E	0	2	3	0	0	0	5
ESE	0	1	0	0	0	0	1
SE	0	6	11	2	0	0	19
SSE	0	7	9	6	0	0	22
S	0	4	12	8	0	0	24
SSW	0	0	1	3	1	0	5
SW	0	5	13	3	0	0	21
WSW	0	1	17	5	2	0	25
W	0	10	12	3	0	0	25
WNW	0	16	12	2	0	0	30
NW	0	10	12	0	0	0	22
NNW	0	18	12	0	0	0	30
TOTAL	0	101	153	39	5	0	298

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	9	20	5	0	0	35
NNE	0	3	3	2	0	0	8
NE	0	9	6	2	2	0	19
ENE	1	10	8	1	0	0	20
E	1	7	3	0	0	0	11
ESE	0	3	4	0	0	0	7
SE	0	5	7	1	0	0	13
SSE	0	3	8	1	0	0	12
S	0	4	7	7	0	0	18
SSW	0	0	0	1	0	0	1
SW	0	2	15	6	0	0	23
WSW	0	6	18	2	2	0	28
W	0	3	6	0	0	0	9
WNW	1	3	1	4	0	0	9
NW	2	5	6	1	0	0	14
NNW	0	5	3	0	0	0	8
TOTAL	6	77	115	33	4	0	235

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	7	14	6	0	0	27
NNE	0	5	5	0	0	0	10
NE	0	3	4	2	1	0	10
ENE	1	15	6	1	0	0	23
E	0	12	3	0	0	0	15
ESE	0	6	2	3	0	0	11
SE	2	11	8	0	0	0	21
SSE	1	9	8	0	0	0	18
S	0	4	6	3	0	0	13
SSW	0	4	4	5	0	0	13
SW	0	3	10	3	0	0	16
WSW	0	5	6	3	4	0	18
W	0	8	13	1	0	0	22
WNW	1	5	6	1	0	0	13
NW	0	10	7	0	0	0	17
NNW	1	9	7	5	0	0	22
TOTAL	6	116	109	33	5	0	269

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: D DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	12	10	7	0	0	30
NNE	1	14	9	7	0	0	31
NE	0	25	21	26	5	0	77
ENE	1	25	21	5	0	0	52
E	4	24	18	3	0	0	49
ESE	2	20	14	7	0	0	43
SE	4	17	13	4	0	0	38
SSE	9	14	10	1	0	0	34
S	2	14	47	14	0	0	77
SSW	1	6	49	13	0	0	69
SW	5	7	39	21	2	0	74
WSW	1	17	41	25	4	0	88
W	1	22	41	30	0	0	94
WNW	2	28	52	11	0	0	93
NW	3	18	17	6	0	0	44
NNW	1	20	23	5	0	0	49
TOTAL	38	283	425	185	11	0	942

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	4	0	1	0	0	7
NNE	4	4	0	0	0	0	8
NE	3	6	3	0	0	0	12
ENE	4	8	1	0	0	0	13
E	5	12	0	0	0	0	17
ESE	6	14	0	0	0	0	20
SE	4	13	2	0	0	0	19
SSE	5	24	5	0	0	0	34
S	4	33	29	4	0	0	70
SSW	1	3	23	9	0	0	36
SW	0	3	8	2	0	0	13
WSW	3	1	7	0	0	0	11
W	3	4	4	0	0	0	11
WNW	1	3	0	0	0	0	4
NW	2	0	0	0	0	0	2
NNW	2	1	1	0	0	0	4
TOTAL	49	133	83	16	0	0	281

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	3	2	0	0	0	0	5
ENE	0	3	0	0	0	0	3
E	4	3	0	0	0	0	7
ESE	1	7	0	0	0	0	8
SE	1	13	1	0	0	0	15
SSE	7	11	0	0	0	0	18
S	1	19	3	0	0	0	23
SSW	3	1	1	0	0	0	5
SW	0	0	0	0	0	0	0
WSW	1	0	0	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	21	59	5	0	0	0	85

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	1	1	0	0	0	0	2
E	1	3	0	0	0	0	4
ESE	2	3	0	0	0	0	5
SE	4	0	0	0	0	0	4
SSE	3	4	0	0	0	0	7
S	2	3	0	0	0	0	5
SSW	1	0	0	0	0	0	1
SW	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
TOTAL	15	14	0	0	0	0	29

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89010101-89033124

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	40	66	21	0	0	131
NNE	5	30	20	11	0	0	66
NE	6	49	38	33	10	0	136
ENE	8	67	46	7	0	0	128
E	15	63	27	3	0	0	108
ESE	11	54	20	10	0	0	95
SE	15	65	42	7	0	0	129
SSE	25	72	40	8	0	0	145
S	9	81	104	36	0	0	230
SSW	6	14	78	31	1	0	130
SW	6	20	85	35	2	0	148
WSW	5	30	89	35	12	0	171
W	4	47	76	34	0	0	161
WNW	5	55	71	18	0	0	149
NW	7	43	42	7	0	0	99
NNW	4	53	46	10	0	0	113
TOTAL	135	783	890	306	25	0	2139

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 21

APPENDIX 2.2

Summary of Hourly Data Meteorological Data
Second Quarter, 1989

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: A DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4	29	30	8	0	0	71
NNE	1	4	2	0	0	0	7
NE	2	1	1	0	0	0	4
ENE	1	8	3	1	0	0	13
E	1	5	13	2	0	0	21
ESE	2	16	10	1	0	0	29
SE	1	8	8	0	0	0	17
SSE	3	9	9	1	0	0	22
S	2	9	18	6	0	0	35
SSW	0	2	4	1	0	0	7
SW	2	18	21	1	0	0	42
WSW	1	27	34	3	0	0	65
W	0	34	19	1	0	0	54
WNW	3	55	14	0	0	0	72
NW	4	43	8	0	0	0	55
NNW	2	74	43	2	0	0	121
TOTAL	29	342	237	27	0	0	635

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: B DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	10	6	1	0	0	18
NNE	1	3	0	0	0	0	4
NE	0	2	1	0	0	0	3
ENE	2	0	2	0	0	0	4
E	1	5	6	0	0	0	12
ESE	0	4	4	0	0	0	8
SE	1	5	2	0	0	0	8
SSE	0	2	4	1	0	0	7
S	1	7	8	1	0	0	17
SSW	0	0	3	0	0	0	3
SW	0	5	8	0	0	0	13
WSW	0	8	1	0	0	0	9
W	3	16	3	0	0	0	22
WNW	1	8	0	0	0	0	9
NW	2	3	0	0	0	0	5
NNW	3	22	4	0	0	0	29
TOTAL	16	100	52	3	0	0	171

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: C DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	13	8	1	0	0	25
NNE	0	0	1	0	0	0	1
NE	3	5	4	0	0	0	12
ENE	0	3	0	0	0	0	3
E	2	6	2	0	0	0	10
ESE	0	1	3	0	0	0	4
SE	1	2	1	0	0	0	4
SSE	3	5	5	0	0	0	13
S	0	4	7	0	0	0	11
SSW	0	0	3	1	0	0	4
SW	0	5	2	0	0	0	7
WSW	1	3	1	2	0	0	7
W	1	3	0	0	0	0	4
WNW	2	6	2	0	0	0	10
NW	2	5	0	0	0	0	7
NNW	2	15	1	0	0	0	18
TOTAL	20	76	40	4	0	0	140

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: D DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2	29	19	0	0	0	50
NNE	1	14	2	0	1	0	18
NE	0	7	5	1	0	0	13
ENE	3	8	9	0	0	0	20
E	2	11	8	1	0	0	22
ESE	2	15	10	0	0	0	27
SE	1	10	10	0	0	0	21
SSE	5	11	11	4	0	0	31
S	5	8	11	11	0	0	35
SSW	3	2	20	4	0	0	29
SW	1	11	20	3	0	0	35
WSW	7	16	10	1	0	0	34
W	6	12	6	0	0	0	24
WNW	9	17	7	1	0	0	34
NW	12	27	5	0	0	0	44
NNW	9	27	4	1	0	0	41
TOTAL	68	225	157	27	1	0	478

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: E DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	9	1	0	0	0	15
NNE	9	17	0	0	0	0	26
NE	6	5	1	0	0	0	12
ENE	5	17	0	0	0	0	22
E	5	23	1	0	0	0	29
ESE	8	17	6	0	0	0	31
SE	6	16	4	0	0	0	26
SSE	16	13	12	0	0	0	41
S	1	16	16	0	0	0	33
SSW	3	4	7	1	0	0	15
SW	4	9	3	1	0	0	17
WSW	4	12	4	0	0	0	20
W	3	8	1	1	0	0	13
WNW	9	2	1	0	0	0	12
NW	7	0	0	0	0	0	7
NNW	5	6	1	0	0	0	12
TOTAL	96	174	58	3	0	0	331

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: F DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3	1	0	0	0	0	4
NNE	4	2	0	0	0	0	6
NE	4	2	0	0	0	0	6
ENE	13	8	0	0	0	0	21
E	8	7	0	0	0	0	15
ESE	13	2	0	0	0	0	15
SE	9	1	0	0	0	0	10
SSE	14	13	1	0	0	0	28
S	10	13	0	0	0	0	23
SSW	7	5	0	0	0	0	12
SW	2	5	0	0	0	0	7
WSW	2	2	0	0	0	0	4
W	7	2	0	0	0	0	9
WNW	5	1	0	0	0	0	6
NW	6	1	0	0	0	0	7
NNW	1	0	1	0	0	0	2
TOTAL	108	65	2	0	0	0	175

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: G DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	2	0	0	0	0	0	2
NE	0	2	0	0	0	0	2
ENE	6	2	0	0	0	0	8
E	17	5	0	0	0	0	22
ESE	11	0	0	0	0	0	11
SE	14	5	0	0	0	0	19
SSE	33	5	0	0	0	0	38
S	21	28	0	0	0	0	49
SSW	4	8	0	0	0	0	12
SW	4	2	0	0	0	0	6
WSW	0	2	0	0	0	0	2
W	5	1	0	0	0	0	6
WNW	2	1	0	0	0	0	3
NW	3	0	0	0	0	0	3
NNW	2	1	0	0	0	0	3
TOTAL	125	63	0	0	0	0	188

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

HOURS AT EACH WIND SPEED AND DIRECTION

PERIOD OF RECORD = 89040101-89063024

STABILITY CLASS: ALL DT/DZ

ELEVATION: SPEED:SPD10M DIRECTION:DIR10M LAPSE:DT60M

WIND DIRECTION	WIND SPEED(MPH) 1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	19	92	64	10	0	0	185
NNE	18	40	5	0	1	0	64
NE	15	24	12	1	0	0	52
ENE	30	46	14	1	0	0	91
E	36	62	30	3	0	0	131
ESE	36	55	33	1	0	0	125
SE	33	47	25	0	0	0	105
SSE	74	58	42	6	0	0	180
S	40	85	60	18	0	0	203
SSW	17	21	37	7	0	0	82
SW	13	55	54	5	0	0	127
WSW	15	70	50	6	0	0	141
W	25	76	29	2	0	0	132
WNW	31	90	24	1	0	0	146
NW	36	79	13	0	0	0	128
NNW	24	145	54	3	0	0	226
TOTAL	462	1045	546	64	1	0	2118

PERIODS OF CALM(HOURS): 0

VARIABLE DIRECTION 0

HOURS OF MISSING DATA: 66

APPENDIX 2.3

Hourly Meteorological Data:

January 1 - June 30, 1989

(Based on Gaseous Batch Releases)

METEOROLOGICAL DATA--CK--FOR JANUARY 3, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1100	75	0	0	34	122	111	0	0	77	139	49	0	0	15	89
	47	0	0	18	103										
1200	80	0	0	49	162	135	0	0	74	215	75	0	0	27	205
	173	0	0	73	250										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1100	184	0	9	156	230	187	0	6	171	212	186	0	16	145	269
	176	0	33	106	491										
1200	228	0	15	194	283	238	0	15	198	277	241	0	19	183	288
	247	0	18	194	272										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1100	251	0	-257	0	262	0	264	0	154	0	-12	0	13	0	14	0	14	0	0	0
1200	285	0	-242	0	299	0	300	0	214	0	-12	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 6, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	59	0	0	42	89	109	0	0	95	126	57	0	0	32	95
	35	0	0	23	54										
200	71	0	0	49	99	119	0	0	99	137	69	0	0	44	99
	56	0	0	37	84										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	77	0	6	57	97	87	0	3	77	94	82	0	7	58	102
	107	0	11	59	143										
200	78	0	6	59	101	77	0	2	69	86	83	0	5	61	102
	109	0	9	61	129										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	341	0	-219	0	333	0	331	0	243	0	-13	0	14	0	14	0	14	0	1	0
200	333	0	-222	0	324	0	324	0	233	0	-17	0	14	0	14	0	14	0	2	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 7, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1100	113	0	0	66	220	194	0	0	103	279	122	0	0	72	189
	138	0	0	89	215										
1200	114	0	0	73	172	200	0	0	142	249	126	0	0	85	184
	149	0	0	77	228										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1100	136	0	6	113	159	138	0	3	487	508	136	0	5	112	154
	124	0	6	108	147										
1200	136	0	4	116	149	139	0	2	491	508	135	0	4	115	150
	127	0	6	110	151										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1100	402	0	-234	0	403	0	404	0	294	0	-14	0	13	0	14	0	14	0	0	0
1200	413	0	-238	0	415	0	416	0	312	0	-14	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 11, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1200	106	0	0	56	211	157	0	0	82	244	141	0	0	75	205
	112	0	0	63	176										
2000	143	0	0	85	271	223	0	0	126	330	133	0	0	81	213
	128	0	0	56	213										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1200	129	0	10	98	156	132	0	6	477	505	128	0	7	103	156
	128	0	10	98	163										
2000	139	0	5	121	158	139	0	4	485	511	138	0	6	116	154
	130	0	9	105	184										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC
1200	330	0	-385	2	328	0	333	0	169	0	-19	0	14	0	14	0	14	0	0 0
2000	379	0	-335	2	380	0	380	0	253	0	-10	0	14	0	14	0	14	0	0 0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 14, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M / SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
700	38	0	0	15	60	121	0	0	106	131	23	0	0	8	42
	68	0	0	44	104										
1400	41	0	0	23	65	52	0	0	27	72	29	0	0	4	55
	32	0	0	11	56										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M / DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
700	153	0	11	128	226	156	0	2	148	160	150	0	16	104	220
	130	0	6	111	152										
1400	175	0	10	143	203	173	0	9	148	199	171	0	13	121	208
	127	0	14	29	509										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
700	217	0	-351	2	229	0	226	0	71	0	12	0	14	0	14	0	14	0	0	0
1400	266	0	-322	2	265	0	267	0	152	0	-15	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 16, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
2200	185	0	0	92	339	280	0	0	142	402	153	0	0	52	308
	158	0	0	82	246										
2300	183	0	0	104	291	283	0	0	172	431	145	0	0	62	261
	168	0	0	90	254										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
2200	218	0	10	191	261	219	0	6	192	239	226	0	12	191	257
	205	0	8	148	226										
2300	217	0	8	183	246	220	0	5	198	237	226	0	13	172	270
	207	0	9	157	271										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
2200	401	0	-438	2	381	0	381	0	196	0	-7	0	14	0	14	0	14	0	0	0
2300	401	0	-438	2	381	0	381	0	199	0	-6	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 18, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
400	107	0	0	64	150	166	0	0	113	230	86	0	0	33	169
	78	0	0	38	141										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
400	201	0	7	172	230	205	0	6	188	224	204	0	11	160	236
	183	0	20	90	281										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
400	400	0	-407	2	403	0	404	0	238	0	-4	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 19, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1400	155	0	0	70	237	268	0	0	144	387	150	0	0	77	235
	192	0	0	163	246										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1400	226	0	12	198	262	230	0	6	211	251	236	0	11	203	275
	221	0	1	214	227										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1400	472	0	-446	2	416	0	423	0	250	0	-17	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 21, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
2000	118	0	0	79	175	199	0	0	143	275	96	0	0	30	198
	56	0	0	29	109										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
2000	179	0	6	159	196	3	0	0	363	364	180	0	9	145	212
	143	0	25	87	233										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
2000	301	0	-459	2	311	0	311	0	105	0	-3	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 22, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M / SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1700	121	0	0	70	210	199	0	0	134	284	98	0	0	39	194
	69	0	0	30	137										
1800	109	0	0	65	160	184	0	0	130	237	88	0	0	36	166
	61	0	0	18	166										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M / DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1700	176	0	8	151	201	175	0	5	163	190	177	0	12	130	219
	138	0	20	102	361										
1800	179	0	6	159	196	179	0	3	168	192	178	0	10	153	212
	142	0	25	59	502										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1700	439	0	-464	2	444	0	446	0	227	0	-8	0	14	0	14	0	14	0	0	0
1800	417	0	-464	2	427	0	426	0	208	0	0	0	14	0	14	0	14	0	0	0

DATA CODES
0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 24, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
400	37	0	0	23	53	115	0	0	107	127	22	0	0	4	46
	46	0	0	28	78										
500	37	0	0	28	44	111	0	0	94	120	29	0	0	14	50
	49	0	0	30	65										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
400	177	0	4	163	194	191	0	1	187	193	176	0	11	97	210
	139	0	15	54	207										
500	155	0	4	141	167	180	0	2	173	183	162	0	8	136	181
	131	0	6	113	156										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
400	400	0	-421	2	414	0	408	0	245	0	18	0	14	0	14	0	14	0	0	0
500	396	0	-416	2	405	0	395	0	245	0	25	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 25, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1400	97	0	0	39	149	161	0	0	113	202	123	0	0	65	196
	131	0	0	83	189										
1500	94	0	0	47	171	167	0	0	79	247	128	0	0	63	215
	123	0	0	77	211										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1400	110	0	9	85	148	3	0	0	363	364	116	0	8	95	139
	117	0	6	460	495										
1500	127	0	8	98	164	3	0	0	363	364	130	0	5	111	143
	121	0	8	92	144										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1400	363	0	-403	2	362	0	363	0	251	0	-13	0	14	0	14	0	14	0	5	0
1500	363	0	-396	2	364	0	365	0	252	0	-12	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 28, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
300	83	0	0	61	124	175	0	0	138	215	65	0	0	22	107
	78	0	0	36	133										
400	97	0	0	56	157	181	0	0	135	245	79	0	0	28	157
	80	0	0	43	143										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
300	191	0	5	177	215	3	0	0	363	363	193	0	10	156	235
	186	0	21	134	490										
400	200	0	9	175	226	3	0	0	359	364	204	0	12	155	254
	183	0	19	129	252										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
300	360	0	-448	2	401	0	401	0	260	0	24	0	14	0	14	0	14	0	0	0
400	376	0	-449	2	400	0	401	0	252	0	9	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 29, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1200	73	0	0	45	135	110	0	0	57	166	65	0	0	14	135
	46	0	0	23	74										
1300	99	0	0	55	143	136	0	0	92	186	73	0	0	26	147
	55	0	0	25	104										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1200	169	0	7	143	187	343	0	1	341	345	181	0	12	136	225
	134	0	17	80	210										
1300	183	0	8	162	207	347	0	0	347	348	198	0	11	160	230
	186	0	24	123	510										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1200	343	0	-429	2	408	0	405	0	337	0	-18	2	14	0	14	0	14	0	1	0
1300	367	0	-410	2	417	0	418	0	341	0	-31	2	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JANUARY 31, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
0000	88	0	0	63	124	158	0	0	118	192	63	0	0	24	108
	72	0	0	36	147										
1400	140	0	0	75	218	233	0	0	136	339	118	0	0	48	233
	101	0	0	50	180										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
0000	188	0	5	170	207	3	0	0	363	364	191	0	11	153	243
	175	0	21	104	238										
1400	220	0	10	197	266	348	0	30	223	364	228	0	11	202	265
	199	0	12	145	248										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
0000	388	0	-429	2	413	0	411	0	296	0	1	0	14	0	14	0	14	0	0	0
1400	573	0	-464	2	477	0	482	0	332	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 5, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
200	49	0	0	28	70	78	0	0	47	101	38	0	0	19	62
	58	0	0	38	82										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
200	147	0	7	116	173	3	0	0	363	363	143	0	8	120	167
	119	0	7	98	152										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
200	157	0	-449	2	159	0	160	0	55	0	-12	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 7, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
300	104	0	0	65	176	174	0	0	86	249	138	0	0	79	237
	191	0	0	137	249										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
300	260	0	12	229	299	3	0	0	363	363	269	0	12	230	304
	264	0	8	244	288										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
300	138	0	-467	2	152	0	159	0	44	0	-12	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 9, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M					SPD60M					SPD10B				
	SPD10S														
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1400	132	0	0	57	237	164	0	0	98	244	96	0	0	40	173
	150	0	0	68	268										

DIRECTIONS 1- 4 (DEGREES)

	DIR10M					DIR60M					DIR10B				
	DIR10S														
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1400	214	0	16	183	270	3	0	0	363	364	226	0	15	163	284
	213	0	11	165	239										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

	TE10M		DP10M		TE10S		TE2S		DP10S		DT60M		BAT-M		BAT-B		BAT-S		PRECIP
HRMN	TMP	C	TMP	C	TMP	C	TMP	C	TMP	C	DT	C	MSC	C	MSC	C	MSC	C	RAINC
1400	114	0	-472	2	115	0	124	0	-36	0	-19	0	14	0	14	0	14	0	0 0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 10, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1600	103	0	0	50	177	171	0	0	113	231	107	0	0	50	184
	149	0	0	89	207										

SPD10S

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1600	226	0	13	194	264	3	0	0	363	363	236	0	11	198	282
	219	0	6	184	231										

DIR10S

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1600	237	0	-471	2	233	0	242	0	83	0	-17	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 11, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1500	109	0	0	52	193	158	0	0	87	230	130	0	0	52	213
	130	0	0	86	183										
1600	118	0	0	58	200	178	0	0	98	237	107	0	0	58	175
	142	0	0	105	204										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1500	250	0	16	200	293	3	0	0	362	363	253	0	9	230	280
	244	0	7	222	262										
1600	255	0	11	219	283	3	0	0	362	364	252	0	8	226	273
	245	0	4	230	258										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1500	304	0	-470	2	294	0	302	0	171	0	-17	0	14	0	14	0	14	0	0	0
1600	312	0	-471	2	302	0	308	0	159	0	-17	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 13, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
400	98	0	0	51	182	164	0	0	112	215	76	0	0	37	140
	73	0	0	32	142										
500	86	0	0	42	142	141	0	0	77	193	72	0	0	36	127
	73	0	0	40	115										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
400	166	0	8	138	191	3	0	0	363	363	164	0	11	123	197
	136	0	17	79	257										
500	145	0	9	119	180	3	0	0	363	363	141	0	8	110	171
	133	0	10	101	169										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
400	300	0	-468	2	303	0	304	0	183	0	-8	0	14	0	14	0	14	0	0	0
500	293	0	-465	2	293	0	294	0	199	0	-11	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 17, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M					SPD60M					SPD10B				
	SPD10S														
	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
HRMN															
1700	62	0	0	35	108	72	0	0	48	107	37	0	0	10	69
	55	0	0	10	89										

DIRECTIONS 1- 4 (DEGREES)

	DIR10M					DIR60M					DIR10B				
	DIR10S														
	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
HRMN															
1700	34	0	12	349	416	3	0	0	363	363	36	0	18	357	491
	13	0	15	87	472										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

	TE10M		DP10M		TE10S		TE2S		DP10S		DT60M		BAT-M		BAT-B		BAT-S		PRECIP
	TMP	C	TMP	C	TMP	C	TMP	C	TMP	C	DT	C	MSC	C	MSC	C	MSC	C	RAINC
HRMN																			
1700	237	0	-471	2	239	0	243	0	111	0	-13	0	14	0	14	0	14	0	0 0

DATA CODES	0=GOOD DATA	1=QUESTIONABLE DATA
	2=BAD DATA	3=UNSTEADY DIRECTION
	4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 18, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1200	29	0	0	14	56	26	0	0	9	69	32	0	0	11	72
	46	0	0	36	55										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1200	76	0	42	39	437	3	0	0	363	363	131	0	36	36	340
	326	0	9	303	349										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1200	226	0	-471	2	207	0	213	0	62	0	-15	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 19, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
	SPD10S														
400	30	0	0	26	40	84	0	0	79	91	20	0	0	3	34
	37	0	0	23	59										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
400	168	0	4	152	185	3	0	0	363	363	164	0	9	132	196
	125	0	7	463	506										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
400	224	0	-465	2	229	0	227	0	133	0	0	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 20, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1200	52	0	0	36	70	52	0	0	37	69	42	0	0	19	63
	34	0	0	18	69										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1200	82	0	9	57	115	3	0	0	363	363	84	0	14	395	480
	109	0	18	53	504										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1200	291	0	-468	2	295	0	298	0	199	0	-15	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 21, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	51	0	0	32	76	78	0	0	54	105	29	0	0	12	49
	73	0	0	31	110										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	7	0	8	333	391	3	0	0	363	363	5	0	12	320	413
	17	0	9	342	417										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	316	0	-463	2	307	0	300	0	232	0	-15	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 24, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M					SPD60M					SPD10B				
	SPD10S														
	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1200	92	0	0	52	135	109	0	0	59	154	76	0	0	24	139
	55	0	0	22	105										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M					DIR60M					DIR10B				
	DIR10S														
	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1200	187	0	13	157	227	3	0	0	363	363	188	0	16	149	248
	151	0	40	55	510										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M		DP10M		TE10S		TE2S		DP10S		DT60M		BAT-M		BAT-B		BAT-S		PRECIP
	TMP	C	TMP	C	TMP	C	TMP	C	TMP	C	DT	C	MSC	C	MSC	C	MSC	C	RAINC
1200	204	0	-474	2	211	0	216	0	3	0	-18	0	14	0	14	0	14	0	0 0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 25, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
500	95	0	0	55	158	152	0	0	97	206	82	0	0	26	169
	114	0	0	59	190										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
500	217	0	10	193	246	3	0	0	363	363	226	0	11	176	266
	209	0	10	157	241										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
500	243	0	-473	2	250	0	252	0	109	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 25, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
500	95	0	0	55	158	152	0	0	97	206	82	0	0	26	169
	114	0	0	59	190										
1700	81	0	0	40	153	147	0	0	91	199	80	0	0	21	138
	73	0	0	51	96										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
500	217	0	10	193	246	3	0	0	363	363	226	0	11	176	266
	209	0	10	157	241										
1700	237	0	13	205	269	3	0	0	363	363	243	0	10	210	284
	224	0	4	210	237										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
500	243	0	-473	2	250	0	252	0	109	0	-10	0	14	0	14	0	14	0	0	0
1700	357	0	-470	2	334	0	337	0	224	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR FEBRUARY 27, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1900	15	0	0	10	22	8	0	0	7	18	11	0	0	4	25
	12	0	0	5	24										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1900	129	0	29	51	169	3	0	0	363	363	129	0	6	471	505
	133	0	62	90	472										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1900	217	0	-474	2	220	0	220	0	59	0	-9	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 2, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1100	46	0	0	32	66	49	0	0	28	63	42	0	0	22	72
	29	0	0	12	53										
1200	73	0	0	54	91	80	0	0	61	94	44	0	0	6	78
	37	0	0	17	67										
1300	60	0	0	37	92	71	0	0	48	95	52	0	0	21	87
	45	0	0	28	66										
1400	74	0	0	50	95	77	0	0	61	93	50	0	0	15	84
	38	0	0	18	91										
1500	76	0	0	51	101	87	0	0	64	102	50	0	0	18	99
	42	0	0	17	97										
1600	84	0	0	59	107	96	0	0	76	113	49	0	0	14	91
	40	0	0	13	79										
1700	70	0	0	43	106	92	0	0	65	114	64	0	0	26	101
	44	0	0	23	89										
1800	71	0	0	38	101	86	0	0	55	113	56	0	0	31	86
	36	0	0	14	65										
1900	70	0	0	45	103	103	0	0	74	127	60	0	0	27	100
	39	0	0	9	79										
2000	58	0	0	29	81	90	0	0	68	125	56	0	0	28	91
	51	0	0	33	77										
2100	61	0	0	40	91	100	0	0	80	118	61	0	0	36	93
	38	0	0	22	64										
2200	79	0	0	46	117	117	0	0	91	137	72	0	0	38	102
	35	0	0	12	64										
2300	76	0	0	50	112	116	0	0	88	146	74	0	0	46	115
	39	0	0	11	67										
2400	86	0	0	54	134	124	0	0	82	158	83	0	0	37	126
	44	0	0	19	105										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 2, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1100	72	0	9	48	111	3	0	0	363	363	105	0	15	431	500
	102	0	21	34	499										
1200	52	0	10	31	85	3	0	0	363	363	57	0	21	34	494
	81	0	32	293	511										
1300	70	0	10	401	459	3	0	0	363	363	70	0	12	382	483
	112	0	13	43	501										
1400	51	0	11	379	441	3	0	0	363	363	61	0	18	41	481
	82	0	36	86	496										
1500	55	0	7	387	436	3	0	0	363	363	62	0	14	369	472
	42	0	31	354	484										
1600	47	0	8	390	431	3	0	0	363	363	58	0	18	358	502
	74	0	36	36	508										
1700	70	0	6	407	450	3	0	0	363	363	79	0	9	394	472
	83	0	23	47	503										
1800	70	0	7	412	453	3	0	0	363	363	77	0	9	399	464
	84	0	26	43	490										
1900	75	0	8	406	452	3	0	0	363	363	80	0	8	402	476
	86	0	28	55	500										
2000	93	0	9	428	481	3	0	0	363	363	95	0	7	433	486
	114	0	8	423	493										
2100	83	0	7	420	468	3	0	0	363	363	86	0	6	419	472
	106	0	14	408	493										
2200	78	0	5	418	460	3	0	0	363	363	83	0	6	416	473
	91	0	32	14	491										
2300	79	0	7	416	459	3	0	0	363	363	84	0	7	397	463
	95	0	22	37	488										
2400	78	0	6	422	454	3	0	0	363	363	83	0	5	423	461
	88	0	23	360	520										

DATA CODES
0=GOOD DATA
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3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 2, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1100	214	0	-468	2	220	0	225	0	111	0	-14	0	14	0	14	0	14	0	0	0
1200	208	0	-470	2	218	0	223	0	107	0	-17	0	14	0	14	0	14	0	0	0
1300	214	0	-471	2	223	0	227	0	102	0	-15	0	14	0	14	0	14	0	0	0
1400	219	0	-471	2	233	0	239	0	120	0	-17	0	14	0	14	0	14	0	0	0
1500	224	0	-472	2	231	0	235	0	112	0	-16	0	14	0	14	0	14	0	1	0
1600	223	0	-472	2	232	0	236	0	113	0	-15	0	14	0	14	0	14	0	0	0
1700	228	0	-472	2	232	0	236	0	115	0	-15	0	14	0	14	0	14	0	0	0
1800	227	0	-471	2	231	0	234	0	116	0	-14	0	14	0	14	0	14	0	0	0
1900	227	0	-470	2	230	0	232	0	119	0	-14	0	14	0	14	0	14	0	0	0
2000	228	0	-469	2	230	0	232	0	121	0	-13	0	14	0	14	0	14	0	0	0
2100	231	0	-469	2	233	0	235	0	126	0	-13	0	14	0	14	0	14	0	0	0
2200	233	0	-469	2	235	0	236	0	125	0	-13	0	14	0	14	0	14	0	0	0
2300	236	0	-469	2	237	0	238	0	128	0	-13	0	14	0	14	0	14	0	0	0
2400	234	0	-470	2	236	0	237	0	125	0	-13	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 3, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	82	0	0	41	130	138	0	0	96	168	97	0	0	57	145
	73	0	0	45	122										
200	105	0	0	66	150	153	0	0	123	180	102	0	0	61	148
	42	0	0	23	71										
300	115	0	0	63	179	171	0	0	133	210	117	0	0	65	181
	71	0	0	33	112										
400	111	0	0	49	169	194	0	0	139	243	127	0	0	81	188
	86	0	0	45	142										
500	120	0	0	52	194	197	0	0	136	257	137	0	0	85	197
	110	0	0	62	179										
600	108	0	0	59	184	196	0	0	122	254	152	0	0	70	224
	130	0	0	78	202										
700	124	0	0	56	194	217	0	0	158	289	154	0	0	99	222
	119	0	0	74	176										
800	138	0	0	59	235	241	0	0	153	315	165	0	0	105	241
	133	0	0	69	218										
900	151	0	0	63	254	244	0	0	164	312	183	0	0	121	275
	144	0	0	78	218										
1000	110	0	0	38	179	171	0	0	102	242	145	0	0	90	236
	118	0	0	60	180										
1100	120	0	0	67	224	178	0	0	96	239	169	0	0	92	235
	152	0	0	84	235										
1200	130	0	0	63	194	191	0	0	123	235	164	0	0	93	225
	160	0	0	101	256										
1300	127	0	0	60	206	179	0	0	116	228	159	0	0	91	220
	138	0	0	88	213										
1400	116	0	0	52	173	170	0	0	88	214	118	0	0	75	221
	91	0	0	44	166										
1500	131	0	0	62	206	201	0	0	142	239	145	0	0	85	231
	125	0	0	80	204										
1600	131	0	0	64	202	201	0	0	105	259	169	0	0	96	253
	139	0	0	77	222										
1700	136	0	0	59	245	223	0	0	132	282	184	0	0	118	272
	169	0	0	99	243										
1800	144	0	0	65	251	233	0	0	154	305	176	0	0	113	254
	186	0	0	116	278										
1900	156	0	0	80	253	243	0	0	162	328	200	0	0	132	275
	185	0	0	113	253										
2000	133	0	0	69	230	191	0	0	120	256	171	0	0	89	250
	138	0	0	82	210										
2100	98	0	0	57	160	116	0	0	38	186	144	0	0	78	211
	132	0	0	74	189										
2200	101	0	0	51	164	82	0	0	37	131	102	0	0	58	177
	95	0	0	53	166										
2300	91	0	0	49	152	70	0	0	24	121	87	0	0	48	144
	73	0	0	46	113										
2400	84	0	0	45	157	57	0	0	22	108	81	0	0	44	124
	76	0	0	49	129										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 3, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	92	0	7	428	472	3	0	0	363	363	93	0	6	435	474
	110	0	7	443	491										
200	82	0	5	429	466	3	0	0	363	363	87	0	5	426	463
	96	0	20	37	494										
300	88	0	6	427	468	3	0	0	363	363	90	0	5	434	466
	108	0	13	55	483										
400	96	0	7	429	478	3	0	0	363	363	98	0	5	441	476
	109	0	11	402	491										
500	97	0	7	432	488	3	0	0	363	363	101	0	6	441	483
	111	0	7	440	486										
600	100	0	9	430	492	3	0	0	363	363	102	0	7	443	485
	113	0	6	446	490										
700	102	0	8	435	489	3	0	0	363	363	104	0	7	445	489
	113	0	7	442	490										
800	102	0	8	435	489	3	0	0	363	363	104	0	11	85	490
	113	0	7	423	492										
900	103	0	8	421	492	3	0	0	363	363	105	0	6	86	127
	113	0	9	406	491										
1000	106	0	8	440	491	3	0	0	363	363	113	0	9	84	135
	114	0	7	442	502										
1100	105	0	8	72	130	3	0	0	363	363	112	0	8	89	141
	114	0	5	444	488										
1200	107	0	8	82	135	3	0	0	363	363	114	0	7	96	131
	114	0	5	453	493										
1300	107	0	7	79	130	3	0	0	363	363	115	0	7	94	133
	115	0	5	450	491										
1400	101	0	9	69	145	3	0	0	363	363	109	0	9	85	134
	111	0	9	413	491										
1500	99	0	7	75	128	3	0	0	363	363	101	0	7	81	125
	113	0	7	435	493										
1600	110	0	6	82	133	3	0	0	363	363	114	0	7	91	134
	113	0	7	431	496										
1700	105	0	8	81	141	3	0	0	363	363	110	0	7	88	132
	113	0	5	449	487										
1800	105	0	8	74	138	3	0	0	363	363	112	0	7	95	137
	114	0	5	448	488										
1900	108	0	7	86	135	3	0	0	363	363	113	0	6	97	132
	115	0	5	451	491										
2000	115	0	8	87	139	3	0	0	363	363	122	0	7	91	140
	115	0	6	453	502										
2100	121	0	9	90	143	3	0	0	363	363	127	0	6	105	139
	114	0	5	454	494										
2200	127	0	7	98	160	3	0	0	363	363	131	0	5	107	149
	123	0	6	104	147										
2300	128	0	7	99	148	3	0	0	363	363	129	0	6	98	143
	123	0	8	96	145										
2400	122	0	9	96	145	3	0	0	363	363	124	0	6	102	137
	113	0	7	95	143										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 3, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	234	0	-470	2	235	0	237	0	125	0	-12	0	14	0	14	0	14	0	0	0
200	237	0	-470	2	239	0	241	0	124	0	-12	0	14	0	14	0	14	0	0	0
300	237	0	-471	2	238	0	240	0	124	0	-13	0	14	0	14	0	14	0	0	0
400	243	0	-471	2	245	0	246	0	123	0	-12	0	14	0	14	0	14	0	0	0
500	250	0	-471	2	252	0	253	0	122	0	-11	0	14	0	14	0	14	0	0	0
600	252	0	-472	2	254	0	256	0	123	0	-11	0	14	0	14	0	14	0	0	0
700	252	0	-472	2	255	0	257	0	128	0	-12	0	14	0	14	0	14	0	0	0
800	250	0	-471	2	250	0	253	0	150	0	-13	0	14	0	14	0	14	0	0	0
900	255	0	-470	2	254	0	257	0	159	0	-14	0	14	0	14	0	14	0	1	0
1000	261	0	-468	2	261	0	263	0	168	0	-16	0	14	0	14	0	14	0	2	0
1100	268	0	-468	2	268	0	270	0	167	0	-15	0	14	0	14	0	14	0	0	0
1200	280	0	-468	2	282	0	283	0	173	0	-14	0	14	0	14	0	14	0	0	0
1300	301	0	-468	2	302	0	305	0	185	0	-14	0	14	0	14	0	14	0	0	0
1400	313	0	-469	2	316	0	318	0	187	0	-12	0	14	0	14	0	14	0	0	0
1500	320	0	-469	2	321	0	323	0	194	0	-12	0	14	0	14	0	14	0	0	0
1600	329	0	-470	2	330	0	332	0	203	0	-13	0	14	0	14	0	14	0	0	0
1700	329	0	-470	2	331	0	332	0	209	0	-12	0	14	0	14	0	14	0	0	0
1800	326	0	-470	2	329	0	329	0	207	0	-10	0	14	0	14	0	14	0	0	0
1900	326	0	-470	2	328	0	328	0	209	0	-11	0	14	0	14	0	14	0	0	0
2000	326	0	-469	2	325	0	325	0	219	0	-9	0	14	0	14	0	14	0	1	0
2100	323	0	-467	2	322	0	322	0	219	0	-11	0	14	0	14	0	14	0	2	0
2200	325	0	-466	2	323	0	322	0	226	0	-12	0	14	0	14	0	14	0	3	0
2300	331	0	-465	2	329	0	327	0	231	0	-12	0	14	0	14	0	14	0	1	0
2400	332	0	-463	2	329	0	327	0	231	0	-11	0	14	0	14	0	14	0	2	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 4, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	69	0	0	36	117	45	0	0	16	81	61	0	0	31	115
	70	0	0	41	117										
200	84	0	0	45	152	44	0	0	16	83	66	0	0	40	95
	141	0	0	95	205										
300	82	0	0	42	142	67	0	0	13	228	76	0	0	24	153
	135	0	0	89	198										
400	78	0	0	44	113	161	0	0	99	211	100	0	0	28	173
	117	0	0	67	159										
500	65	0	0	36	101	130	0	0	88	180	62	0	0	33	100
	117	0	0	76	156										
600	64	0	0	40	102	145	0	0	109	178	62	0	0	33	102
	118	0	0	82	182										

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	129	0	8	95	151	3	0	0	363	363	130	0	5	108	161
	117	0	6	100	137										
200	122	0	8	95	142	3	0	0	363	363	128	0	5	106	144
	113	0	4	99	129										
300	130	0	10	86	167	3	0	0	363	363	135	0	11	90	182
	109	0	5	96	127										
400	126	0	7	103	148	3	0	0	363	363	131	0	7	106	210
	110	0	6	98	137										
500	136	0	8	107	166	3	0	0	363	363	139	0	7	119	165
	107	0	3	93	119										
600	136	0	7	115	164	3	0	0	363	363	139	0	6	111	164
	115	0	5	98	128										

METEOROLOGICAL DATA--CK--FOR MARCH 4, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	337	0	-461	2	9999	2	302	0	9999	2	-13	0	14	0	14	0	14	0	1	0
200	339	0	-459	2	305	0	296	0	9999	2	-12	0	14	0	14	0	14	0	3	0
300	342	0	-457	2	292	0	286	0	9999	2	-8	0	14	0	14	0	13	0	0	0
400	352	0	-456	2	284	0	276	0	9999	2	-14	0	14	0	14	0	13	0	0	0
500	359	0	-455	2	286	0	273	0	9999	2	-18	0	14	0	14	0	13	0	0	0
600	364	0	-453	2	333	0	323	0	375	0	-16	0	14	0	14	0	14	0	1	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 10, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1100	122	0	0	60	198	195	0	0	135	231	107	0	0	48	191
	86	0	0	35	166										
1200	126	0	0	73	190	180	0	0	123	217	105	0	0	47	167
	86	0	0	31	156										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1100	166	0	8	136	186	164	0	4	146	183	164	0	10	138	196
	144	0	19	91	447										
1200	156	0	8	129	180	156	0	5	138	173	160	0	12	133	193
	141	0	18	107	279										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1100	429	0	247	0	424	0	427	0	278	0	-24	0	14	0	14	0	14	0	0	0
1200	450	0	237	0	453	0	458	0	294	0	-23	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 13, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
500	59	0	0	34	99	108	0	0	57	151	82	0	0	27	116
	68	0	0	32	116										
600	59	0	0	35	124	106	0	0	57	160	93	0	0	38	140
	70	0	0	45	100										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
500	117	0	10	85	141	117	0	5	462	492	123	0	7	97	147
	108	0	10	66	134										
600	118	0	8	95	143	119	0	4	467	494	123	0	7	101	145
	117	0	8	94	152										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
500	317	0	199	0	318	0	321	0	239	0	-9	0	14	0	14	0	14	0	0	0
600	312	0	190	0	316	0	318	0	204	0	-11	0	14	0	14	0	14	0	0	0

DATA CODES
0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 14, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
700	38	0	0	24	56	133	0	0	103	159	49	0	0	26	62
	71	0	0	47	103										
800	42	0	0	30	61	141	0	0	112	181	52	0	0	28	81
	75	0	0	51	111										
1000	53	0	0	27	89	89	0	0	45	138	80	0	0	45	124
	62	0	0	39	120										
1400	154	0	0	68	243	227	0	0	126	304	130	0	0	76	219
	115	0	0	32	222										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
700	105	0	8	443	482	143	0	1	501	505	118	0	6	454	493
	109	0	3	458	480										
800	124	0	10	110	501	141	0	0	498	505	131	0	6	458	511
	118	0	5	464	497										
1000	120	0	12	80	147	128	0	8	97	152	124	0	11	95	148
	116	0	9	85	143										
1400	154	0	8	128	179	155	0	5	133	171	152	0	11	125	185
	141	0	20	108	429										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
700	369	0	306	0	395	0	392	0	335	0	55	0	14	0	14	0	14	0	0	0
800	401	0	335	0	414	0	414	0	364	0	16	0	14	0	14	0	14	0	0	0
1000	474	0	387	0	471	0	474	0	410	0	-13	0	14	0	14	0	14	0	0	0
1400	596	0	481	0	594	0	601	0	505	0	-21	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 17, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1300	81	0	0	41	129	131	0	0	84	160	100	0	0	51	157
	72	0	0	39	116										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1300	105	0	10	434	498	104	0	5	448	478	106	0	8	445	489
	112	0	10	415	506										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1300	377	0	287	0	377	0	381	0	-57	0	-16	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 19, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1600	33	0	0	13	59	35	0	0	9	80	29	0	0	6	46
	41	0	0	28	52										
1700	37	0	0	15	61	35	0	0	6	69	36	0	0	12	55
	45	0	0	36	59										
1800	29	0	0	11	48	33	0	0	7	51	28	0	0	16	41
	43	0	0	34	54										
1900	18	0	0	9	33	25	0	0	16	38	14	0	0	4	25
	17	0	0	4	39										
2000	42	0	0	24	59	127	0	0	108	148	34	0	0	18	54
	40	0	0	24	62										
2100	56	0	0	35	84	111	0	0	78	155	50	0	0	23	77
	61	0	0	32	103										
2200	53	0	0	17	101	96	0	0	56	142	44	0	0	9	101
	31	0	0	13	70										
2300	68	0	0	32	127	120	0	0	71	169	61	0	0	33	111
	62	0	0	32	101										
2400	102	0	0	54	147	170	0	0	109	214	82	0	0	40	147
	73	0	0	26	134										

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 19, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
1600	132	0	49	30	500	142	0	35	71	513	329	0	41	184	504
	314	0	8	292	335										
1700	325	0	16	251	364	320	0	20	62	367	325	0	19	266	373
	322	0	12	300	345										
1800	330	0	28	248	437	307	0	12	251	335	326	0	21	278	365
	344	0	11	316	368										
1900	323	0	23	229	366	217	0	13	195	263	327	0	23	237	367
	41	0	24	369	478										
2000	148	0	11	119	167	159	0	2	154	166	152	0	14	129	517
	130	0	12	109	520										
2100	142	0	7	120	164	149	0	5	134	165	141	0	9	110	164
	130	0	10	102	173										
2200	160	0	13	102	198	160	0	8	136	182	165	0	17	127	235
	152	0	42	90	518										
2300	150	0	7	124	179	153	0	4	135	169	151	0	9	121	182
	131	0	10	105	166										
2400	160	0	7	132	184	162	0	3	146	175	161	0	10	135	195
	138	0	14	94	240										

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 19, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1600	336	0	177	0	258	0	267		09999	2	-15	0	14	0	14	0	13	0	0	0
1700	329	0	182	0	255	0	262		09999	2	-14	0	14	0	14	0	13	0	0	0
1800	329	0	186	0	296	0	301	0	-10	0	-12	0	14	0	14	0	14	0	0	0
1900	305	0	180	0	304	0	307	0	-40	0	9	0	14	0	14	0	14	0	0	0
2000	316	0	192	0	323	0	324	0	-47	0	17	0	14	0	14	0	14	0	0	0
2100	339	0	197	0	342	0	345	0	-38	0	-6	0	14	0	14	0	14	0	0	0
2200	341	0	199	0	347	0	348	0	-26	0	-8	0	14	0	14	0	14	0	0	0
2300	347	0	212	0	350	0	352	0	-20	0	-9	0	14	0	14	0	14	0	0	0
2400	325	0	250	0	327	0	327	0	-22	0	-12	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 20, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	67	0	0	38	114	125	0	0	91	159	55	0	0	30	95
	52	0	0	28	93										
200	65	0	0	37	98	123	0	0	66	160	70	0	0	42	103
	80	0	0	46	117										
300	66	0	0	38	104	112	0	0	60	149	60	0	0	21	108
	47	0	0	17	92										
400	53	0	0	26	83	87	0	0	53	122	43	0	0	23	79
	46	0	0	30	83										
500	47	0	0	32	66	91	0	0	53	124	71	0	0	41	101
	61	0	0	37	92										
600	59	0	0	26	103	105	0	0	70	132	79	0	0	41	108
	76	0	0	47	112										
700	53	0	0	32	91	91	0	0	59	118	75	0	0	41	117
	69	0	0	36	102										
800	59	0	0	35	91	96	0	0	76	113	67	0	0	43	93
	80	0	0	54	105										
900	51	0	0	27	81	84	0	0	68	116	51	0	0	32	82
	61	0	0	33	95										
1000	49	0	0	26	81	88	0	0	68	110	70	0	0	49	93
	66	0	0	39	89										
1100	46	0	0	24	69	74	0	0	54	89	48	0	0	32	69
	24	0	0	11	47										
1200	42	0	0	26	54	48	0	0	34	59	27	0	0	10	50
	24	0	0	12	33										
1300	48	0	0	34	66	57	0	0	40	72	27	0	0	8	48
	42	0	0	24	59										
1400	48	0	0	25	72	51	0	0	33	69	40	0	0	16	58
	79	0	0	57	123										
1500	54	0	0	29	86	64	0	0	41	88	41	0	0	12	76
	85	0	0	35	129										
1600	53	0	0	27	97	81	0	0	34	124	40	0	0	21	75
	109	0	0	88	128										
1700	74	0	0	35	131	115	0	0	66	167	53	0	0	19	106
	118	0	0	98	134										
1800	130	0	0	53	206	209	0	0	93	303	88	0	0	36	213
	228	0	0	180	279										
1900	150	0	0	68	242	248	0	0	130	375	104	0	0	40	205
	280	0	0	225	341										
2000	136	0	0	55	268	233	0	0	126	347	106	0	0	46	234
	294	0	0	217	352										
2100	155	0	0	85	260	249	0	0	112	357	114	0	0	48	222
	286	0	0	233	330										
2200	154	0	0	86	264	243	0	0	152	335	101	0	0	44	208
	274	0	0	151	344										
2300	151	0	0	81	228	231	0	0	121	334	105	0	0	44	204
	264	0	0	171	341										
2400	156	0	0	66	254	231	0	0	123	331	121	0	0	41	204
	270	0	0	220	328										

DATA CODES

0=GOOD DATA
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3=UNSTEADY DIRECTION
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METEOROLOGICAL DATA--CK--FOR MARCH 20, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	152	0	7	122	177	154	0	3	142	163	151	0	10	125	178
	133	0	14	105	182										
200	137	0	6	119	156	139	0	4	127	152	136	0	6	106	158
	127	0	8	108	150										
300	145	0	12	101	171	146	0	9	123	162	143	0	13	107	185
	131	0	15	101	225										
400	144	0	10	120	173	147	0	7	129	169	144	0	15	98	182
	128	0	13	102	174										
500	119	0	10	86	142	124	0	3	109	134	122	0	9	95	140
	116	0	7	97	142										
600	113	0	8	85	139	118	0	3	107	126	117	0	7	88	138
	108	0	7	78	125										
700	121	0	10	90	149	126	0	4	116	142	126	0	6	104	147
	115	0	6	101	136										
800	101	0	8	74	129	108	0	4	95	120	104	0	7	86	128
	112	0	5	91	125										
900	97	0	10	65	125	103	0	4	92	115	98	0	7	76	123
	111	0	6	86	127										
1000	115	0	10	84	147	121	0	2	111	128	123	0	6	104	139
	110	0	8	71	135										
1100	94	0	11	66	128	103	0	5	84	118	97	0	7	78	127
	78	0	33	334	497										
1200	49	0	7	30	72	55	0	5	38	71	56	0	16	363	488
	24	0	28	66	450										
1300	38	0	7	374	422	40	0	6	23	57	44	0	21	347	510
	10	0	8	355	430										
1400	20	0	16	340	410	18	0	9	357	400	21	0	11	345	427
	339	0	6	327	355										
1500	26	0	14	350	417	18	0	13	337	402	22	0	16	344	430
	336	0	3	326	349										
1600	338	0	14	277	372	346	0	7	318	364	343	0	15	309	397
	337	0	2	331	342										
1700	351	0	10	314	381	350	0	7	327	367	351	0	14	281	395
	329	0	2	324	334										
1800	354	0	11	313	382	352	0	6	325	373	351	0	13	307	394
	342	0	3	330	351										
1900	354	0	10	316	380	350	0	5	331	369	352	0	10	320	387
	355	0	2	347	361										
2000	355	0	11	297	391	354	0	6	333	376	351	0	11	310	385
	0	0	2	353	367										
2100	0	0	9	327	386	357	0	5	336	372	1	0	12	317	400
	359	0	2	352	365										
2200	1	0	8	333	386	0	0	6	337	379	2	0	12	323	400
	8	0	3	360	383										
2300	5	0	9	335	396	359	0	6	338	380	5	0	11	327	400
	10	0	4	362	392										
2400	6	0	9	337	395	2	0	6	342	398	8	0	10	340	395
	3	0	2	356	373										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 20, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	313	0	262	0	311	0	304	0	-20	0	-19	0	14	0	14	0	14	0	1	0
200	316	0	265	0	314	0	302	0	-26	0	-22	0	14	0	14	0	14	0	5	0
300	322	0	269	0	320	0	310	0	-20	0	-21	0	14	0	14	0	14	0	3	0
400	325	0	272	0	322	0	312	0	-22	0	-19	0	14	0	14	0	14	0	0	0
500	326	0	271	0	319	0	312	0	-23	0	-18	0	14	0	14	0	14	0	0	0
600	327	0	275	0	321	0	313	0	-19	0	-17	0	14	0	14	0	14	0	1	0
700	328	0	268	0	326	0	321	0	-23	0	-13	0	14	0	14	0	14	0	0	0
800	329	0	263	0	329	0	326	0	-22	0	-11	0	14	0	14	0	14	0	0	0
900	331	0	265	0	333	0	332	0	-21	0	-11	0	14	0	14	0	14	0	0	0
1000	336	0	272	0	336	0	335	0	-15	0	-13	0	14	0	14	0	14	0	0	0
1100	333	0	280	0	331	0	328	0	-18	0	-17	0	14	0	14	0	14	0	0	0
1200	330	0	284	0	324	0	319	0	-19	0	-21	0	14	0	14	0	14	0	3	0
1300	333	0	288	0	330	0	323	0	-13	0	-22	0	14	0	14	0	14	0	1	0
1400	339	0	290	0	280	0	273	0	14	0	-21	0	14	0	14	0	13	0	0	0
1500	339	0	295	0	266	0	256	0	19	0	-24	0	14	0	14	0	13	0	0	0
1600	348	0	303	0	268	0	265	0	13	0	-23	0	14	0	14	0	13	0	0	0
1700	340	0	293	0	254	0	246	0	0	0	-23	0	14	0	14	0	13	0	0	0
1800	330	0	285	0	265	0	259	0	222	0	-25	0	14	0	14	0	14	0	0	0
1900	318	0	257	0	315	0	311	0	106	0	-19	0	14	0	14	0	14	0	0	0
2000	313	0	238	0	316	0	318	0	3	0	-14	0	14	0	14	0	14	0	0	0
2100	310	0	232	0	314	0	315	0	0	0	-13	0	14	0	14	0	14	0	0	0
2200	304	0	216	0	312	0	313	0	-12	0	-12	0	14	0	14	0	14	0	0	0
2300	297	0	182	0	306	0	307	0	-26	0	-10	0	14	0	14	0	14	0	0	0
2400	290	0	158	0	302	0	305	0	-53	0	-9	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 21, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	133	0	0	76	203	206	0	0	126	289	120	0	0	52	228
	225	0	0	108	296										
200	142	0	0	70	247	215	0	0	116	315	106	0	0	32	233
	229	0	0	101	297										
300	138	0	0	77	223	194	0	0	119	275	92	0	0	32	166
	120	0	0	48	221										
400	75	0	0	52	105	108	0	0	71	151	44	0	0	11	88
	83	0	0	26	175										
500	109	0	0	64	149	144	0	0	101	185	58	0	0	21	99
	49	0	0	19	101										
600	100	0	0	59	151	134	0	0	75	173	53	0	0	21	99
	47	0	0	21	98										
700	71	0	0	48	99	107	0	0	78	131	43	0	0	16	86
	49	0	0	26	88										
800	51	0	0	28	91	63	0	0	39	87	47	0	0	8	93
	35	0	0	14	65										
900	78	0	0	45	112	88	0	0	57	112	57	0	0	13	95
	42	0	0	15	83										
1000	48	0	0	13	85	46	0	0	14	87	31	0	0	5	66
	49	0	0	31	69										
1100	56	0	0	16	89	67	0	0	31	97	44	0	0	13	81
	54	0	0	23	75										
1200	56	0	0	28	92	65	0	0	28	102	64	0	0	34	102
	47	0	0	29	69										
1300	58	0	0	21	103	75	0	0	33	124	65	0	0	37	100
	41	0	0	24	67										
1400	75	0	0	32	137	110	0	0	69	162	65	0	0	36	111
	86	0	0	42	154										
1500	90	0	0	45	146	146	0	0	88	190	69	0	0	37	121
	123	0	0	92	171										
1600	86	0	0	32	148	120	0	0	66	165	65	0	0	29	108
	134	0	0	107	170										
1700	69	0	0	24	136	114	0	0	62	179	60	0	0	30	99
	110	0	0	78	160										
1800	55	0	0	25	96	87	0	0	52	123	48	0	0	17	77
	91	0	0	69	121										
1900	64	0	0	38	94	77	0	0	45	98	38	0	0	14	73
	85	0	0	57	118										
2000	44	0	0	32	64	67	0	0	48	82	29	0	0	11	54
	37	0	0	11	67										
2100	29	0	0	21	36	48	0	0	39	66	20	0	0	13	32
	34	0	0	20	51										
2200	17	0	0	12	21	25	0	0	21	31	10	0	0	3	18
	37	0	0	28	44										
2300	31	0	0	26	36	44	0	0	36	53	27	0	0	16	41
	36	0	0	23	48										
2400	42	0	0	33	51	64	0	0	59	69	28	0	0	18	41
	49	0	0	38	62										

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METEOROLOGICAL DATA--CK--FOR MARCH 21, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	12	0	8	344	396	8	0	6	348	388	14	0	10	338	397
	9	0	4	360	390										
200	8	0	8	342	392	5	0	6	340	386	11	0	11	334	413
	8	0	5	359	395										
300	18	0	9	346	400	16	0	6	353	391	20	0	11	344	447
	22	0	13	347	458										
400	37	0	7	373	415	34	0	6	376	411	38	0	17	340	454
	29	0	23	54	496										
500	38	0	6	376	419	37	0	5	376	414	42	0	17	335	469
	61	0	28	63	496										
600	43	0	6	363	418	44	0	5	392	420	51	0	17	194	460
	78	0	29	22	485										
700	49	0	12	372	435	43	0	7	386	420	55	0	17	366	478
	88	0	16	45	468										
800	72	0	16	393	495	70	0	13	394	471	81	0	18	57	507
	93	0	21	376	495										
900	56	0	16	362	445	56	0	10	376	439	69	0	19	367	488
	79	0	48	30	504										
1000	72	0	18	380	495	63	0	18	347	476	72	0	35	31	512
	347	0	9	326	375										
1100	344	0	18	295	384	343	0	12	285	364	354	0	27	284	416
	359	0	12	327	387										
1200	316	0	34	223	442	308	0	24	254	367	303	0	22	259	389
	321	0	11	298	347										
1300	311	0	28	253	368	307	0	17	258	355	292	0	21	245	354
	280	0	22	233	329										
1400	300	0	22	236	378	299	0	9	272	328	317	0	16	277	364
	325	0	16	284	353										
1500	321	0	22	264	385	324	0	14	295	356	332	0	19	276	367
	333	0	6	319	350										
1600	348	0	18	237	380	335	0	12	294	360	339	0	19	276	383
	334	0	4	319	345										
1700	329	0	17	270	395	327	0	13	296	360	334	0	13	291	392
	342	0	9	310	360										
1800	334	0	24	255	388	331	0	12	295	362	338	0	18	271	389
	348	0	9	326	365										
1900	11	0	8	340	401	2	0	7	342	381	3	0	15	282	417
	6	0	7	350	396										
2000	22	0	5	369	398	15	0	3	365	385	24	0	10	356	412
	31	0	23	325	465										
2100	87	0	5	435	462	42	0	3	390	410	100	0	8	448	493
	112	0	8	437	487										
2200	211	0	19	181	262	98	0	9	438	473	211	0	16	162	238
	120	0	7	467	496										
2300	165	0	5	141	174	150	0	3	499	520	170	0	5	156	186
	121	0	7	459	500										
2400	180	0	2	173	186	173	0	2	526	535	183	0	7	163	202
	130	0	5	475	507										

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METEOROLOGICAL DATA--CK--FOR MARCH 21, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	284	0	143	0	298	0	299	0	-59	0	-9	0	14	0	14	0	14	0	0	0
200	280	0	120	0	293	0	295	0	-71	0	-9	0	14	0	14	0	14	0	0	0
300	268	0	108	0	274	0	275	0	-94	0	-8	0	14	0	14	0	14	0	0	0
400	243	0	89	0	255	0	257	0	-102	0	-7	0	14	0	14	0	14	0	0	0
500	226	0	79	0	228	0	229	0	-170	0	-9	0	14	0	14	0	14	0	0	0
600	214	0	68	0	214	0	215	0	-182	0	-8	0	14	0	14	0	14	0	0	0
700	204	0	65	0	209	0	211	0	-183	0	-6	0	14	0	14	0	14	0	0	0
800	218	0	79	0	220	0	222	0	-170	0	-15	0	14	0	14	0	14	0	0	0
900	232	0	79	0	234	0	243	0	-159	0	-17	0	14	0	14	0	14	0	0	0
1000	247	0	92	0	242	0	247	0	-141	0	-15	0	14	0	14	0	14	0	0	0
1100	259	0	114	0	245	0	252	0	-136	0	-18	0	14	0	14	0	14	0	0	0
1200	275	0	129	0	247	0	253	0	-141	0	-20	0	14	0	14	0	14	0	0	0
1300	270	0	133	0	255	0	262	0	-139	0	-20	0	14	0	14	0	14	0	0	0
1400	286	0	145	0	265	0	275	0	-128	0	-23	0	14	0	14	0	14	0	0	0
1500	277	0	127	0	263	0	272	0	-136	0	-22	0	14	0	14	0	14	0	0	0
1600	278	0	110	0	260	0	271	0	-134	0	-23	0	14	0	14	0	14	0	0	0
1700	272	0	85	0	262	0	270	0	-138	0	-20	0	14	0	14	0	14	0	0	0
1800	264	0	83	0	260	0	268	0	-146	0	-16	0	14	0	14	0	14	0	0	0
1900	255	0	72	0	260	0	264	0	-161	0	-10	0	14	0	14	0	14	0	0	0
2000	248	0	68	0	253	0	254	0	-167	0	-6	0	14	0	14	0	14	0	0	0
2100	240	0	76	0	242	0	237	0	-168	0	2	0	14	0	14	0	14	0	0	0
2200	224	0	96	0	235	0	226	0	-171	0	11	0	14	0	14	0	14	0	0	0
2300	223	0	108	0	229	0	228	0	-172	0	9	0	14	0	14	0	14	0	0	0
2400	220	0	94	0	226	0	226	0	-175	0	10	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 22, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	34	0	0	18	54	87	0	0	79	92	26	0	0	8	52
	35	0	0	19	50										
200	43	0	0	34	53	86	0	0	79	93	31	0	0	15	47
	41	0	0	27	56										
300	40	0	0	18	103	88	0	0	82	93	26	0	0	13	41
	27	0	0	14	44										
400	33	0	0	25	49	62	0	0	53	78	28	0	0	17	40
	35	0	0	19	47										
500	43	0	0	34	75	59	0	0	47	74	35	0	0	24	47
	41	0	0	26	53										
600	45	0	0	31	55	66	0	0	52	79	38	0	0	25	53
	46	0	0	32	58										
700	53	0	0	39	72	97	0	0	85	123	43	0	0	26	59
	55	0	0	37	74										
800	49	0	0	32	70	81	0	0	68	97	42	0	0	18	69
	48	0	0	30	65										
900	61	0	0	26	87	69	0	0	51	87	46	0	0	15	74
	45	0	0	25	79										
1000	50	0	0	24	77	56	0	0	34	86	48	0	0	25	81
	45	0	0	17	71										
1100	54	0	0	15	109	67	0	0	27	101	51	0	0	15	94
	62	0	0	17	126										
1200	61	0	0	31	102	75	0	0	34	120	61	0	0	18	134
	41	0	0	8	81										
1300	78	0	0	34	121	89	0	0	54	123	69	0	0	32	113
	49	0	0	15	94										
1400	89	0	0	33	140	102	0	0	64	138	67	0	0	15	135
	63	0	0	30	107										
1500	75	0	0	35	140	86	0	0	32	134	70	0	0	20	121
	47	0	0	16	93										
1600	82	0	0	46	132	103	0	0	57	159	73	0	0	25	125
	67	0	0	32	111										
1700	95	0	0	46	154	125	0	0	74	165	69	0	0	25	116
	57	0	0	22	87										
1800	74	0	0	38	112	101	0	0	60	132	55	0	0	16	106
	70	0	0	24	113										
1900	56	0	0	37	83	108	0	0	91	129	36	0	0	17	65
	55	0	0	32	88										
2000	49	0	0	32	67	122	0	0	103	136	33	0	0	21	53
	48	0	0	29	70										
2100	58	0	0	40	82	141	0	0	115	169	51	0	0	20	93
	54	0	0	27	90										
2200	59	0	0	35	79	139	0	0	117	163	46	0	0	26	86
	52	0	0	23	82										
2300	43	0	0	30	68	118	0	0	97	143	29	0	0	11	69
	61	0	0	33	89										
2400	41	0	0	27	64	129	0	0	115	140	47	0	0	27	65
	54	0	0	38	86										

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METEOROLOGICAL DATA--CK--FOR MARCH 22, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	198	0	8	179	231	183	0	0	181	185	198	0	10	175	244
	127	0	11	109	508										
200	179	0	4	167	189	188	0	1	184	191	186	0	6	168	211
	125	0	6	109	173										
300	175	0	5	148	193	192	0	0	190	194	186	0	7	160	209
	139	0	22	96	223										
400	209	0	10	185	228	215	0	10	199	233	210	0	9	189	241
	144	0	18	108	470										
500	179	0	6	155	192	227	0	3	217	238	185	0	6	167	203
	137	0	10	114	187										
600	180	0	4	163	194	219	0	2	211	227	184	0	5	169	214
	136	0	10	112	185										
700	178	0	3	167	188	191	0	1	188	197	184	0	6	166	204
	131	0	6	116	158										
800	169	0	7	145	189	185	0	6	167	196	169	0	9	140	198
	123	0	6	107	138										
900	163	0	11	129	191	160	0	5	138	175	152	0	15	115	198
	128	0	9	87	161										
1000	171	0	17	125	207	165	0	14	131	205	154	0	20	94	207
	215	0	38	93	517										
1100	146	0	25	91	212	143	0	19	97	184	136	0	22	63	219
	129	0	14	68	523										
1200	145	0	29	50	208	134	0	18	93	173	165	0	20	124	225
	151	0	38	88	366										
1300	175	0	14	107	209	168	0	9	136	191	146	0	13	113	186
	139	0	30	90	515										
1400	191	0	13	153	229	183	0	11	144	217	185	0	21	109	245
	197	0	32	58	363										
1500	166	0	17	109	207	163	0	12	116	208	174	0	22	124	261
	147	0	37	65	519										
1600	144	0	15	107	180	147	0	10	125	173	149	0	14	111	206
	168	0	40	94	511										
1700	158	0	15	121	202	160	0	12	129	184	171	0	14	121	238
	139	0	24	88	485										
1800	171	0	8	146	197	170	0	5	150	183	168	0	17	133	214
	136	0	19	113	510										
1900	154	0	6	135	175	157	0	2	148	165	155	0	10	124	180
	132	0	9	108	174										
2000	148	0	6	131	167	148	0	3	143	156	147	0	7	129	166
	133	0	9	114	166										
2100	164	0	5	147	180	163	0	2	157	170	163	0	10	127	198
	133	0	10	108	174										
2200	157	0	5	139	171	160	0	1	154	166	155	0	9	112	176
	131	0	9	106	171										
2300	159	0	4	140	176	160	0	1	154	164	164	0	10	126	194
	132	0	9	101	194										
2400	131	0	6	104	144	146	0	2	142	153	131	0	4	115	148
	121	0	6	107	147										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 22, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	212	0	90	0	230	0	227	0	-173	0	18	0	14	0	14	0	14	0	0	0
200	211	0	99	0	226	0	226	0	-176	0	21	0	14	0	14	0	14	0	0	0
300	210	0	92	0	222	0	216	0	-178	0	21	0	14	0	14	0	14	0	0	0
400	205	0	85	0	219	0	206	0	-177	0	31	0	14	0	14	0	14	0	0	0
500	205	0	85	0	223	0	195	0	-173	0	38	0	14	0	14	0	14	0	0	0
600	202	0	89	0	216	0	192	0	-175	0	42	0	14	0	14	0	14	0	0	0
700	201	0	85	0	212	0	207	0	-176	0	37	0	14	0	14	0	14	0	0	0
800	232	0	112	0	235	0	234	0	-159	0	14	0	14	0	14	0	14	0	0	0
900	268	0	140	0	270	0	282	0	-140	0	-18	0	14	0	14	0	14	0	0	0
1000	294	0	149	0	291	0	296	0	-90	0	-15	0	14	0	14	0	14	0	0	0
1100	307	0	141	0	312	0	319	0	-72	0	-14	0	14	0	14	0	14	0	0	0
1200	332	0	141	0	333	0	341	0	-63	0	-20	0	14	0	14	0	14	0	0	0
1300	350	0	142	0	354	0	364	0	-58	0	-22	0	14	0	14	0	14	0	0	0
1400	370	0	160	0	372	0	386	0	-40	0	-22	0	14	0	14	0	14	0	0	0
1500	377	0	159	0	391	0	401	0	-21	0	-19	0	14	0	14	0	14	0	0	0
1600	393	0	164	0	399	0	409	0	-16	0	-21	0	14	0	14	0	14	0	0	0
1700	399	0	168	0	405	0	415	0	-11	0	-18	0	14	0	14	0	14	0	0	0
1800	396	0	154	0	402	0	409	0	-18	0	-15	0	14	0	14	0	14	0	0	0
1900	374	0	156	0	383	0	385	0	-42	0	-1	0	14	0	14	0	14	0	0	0
2000	353	0	170	0	362	0	362	0	-56	0	10	0	14	0	14	0	14	0	0	0
2100	336	0	174	0	353	0	353	0	-59	0	5	0	14	0	14	0	14	0	0	0
2200	324	0	172	0	337	0	337	0	-67	0	5	0	14	0	14	0	14	0	0	0
2300	315	0	171	0	328	0	327	0	-70	0	7	0	14	0	14	0	14	0	0	0
2400	310	0	166	0	313	0	311	0	-81	0	9	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 23, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	42	0	0	26	56	118	0	0	100	138	29	0	0	10	48
	55	0	0	36	91										
200	55	0	0	41	73	146	0	0	117	162	62	0	0	44	79
	59	0	0	40	91										
300	32	0	0	18	51	111	0	0	82	154	38	0	0	12	61
	63	0	0	41	95										
400	46	0	0	32	66	112	0	0	87	124	68	0	0	58	79
	63	0	0	40	91										
500	52	0	0	32	72	119	0	0	99	140	74	0	0	61	85
	66	0	0	45	85										
600	57	0	0	45	64	106	0	0	98	117	61	0	0	48	69
	71	0	0	52	94										
700	52	0	0	40	70	101	0	0	87	116	56	0	0	37	70
	66	0	0	44	88										
800	62	0	0	35	93	118	0	0	91	150	59	0	0	38	87
	88	0	0	61	131										
900	81	0	0	44	124	111	0	0	59	149	74	0	0	43	109
	82	0	0	42	142										
1000	105	0	0	49	183	158	0	0	98	204	97	0	0	48	167
	91	0	0	44	172										
1100	100	0	0	62	158	135	0	0	64	181	89	0	0	57	147
	75	0	0	40	118										
1200	117	0	0	59	173	163	0	0	91	241	101	0	0	56	154
	110	0	0	50	203										
1300	87	0	0	38	144	119	0	0	63	175	89	0	0	48	146
	74	0	0	17	118										
1400	87	0	0	40	140	119	0	0	55	169	84	0	0	40	150
	78	0	0	16	131										
1500	92	0	0	45	161	130	0	0	75	202	93	0	0	46	156
	95	0	0	47	181										
1600	82	0	0	42	137	107	0	0	54	171	100	0	0	39	157
	73	0	0	34	124										
1700	82	0	0	45	134	113	0	0	54	158	92	0	0	51	136
	78	0	0	25	129										
1800	72	0	0	40	121	120	0	0	70	161	93	0	0	50	155
	68	0	0	36	116										
1900	35	0	0	23	53	95	0	0	68	115	49	0	0	26	67
	44	0	0	22	70										
2000	49	0	0	31	75	135	0	0	107	148	56	0	0	41	78
	30	0	0	21	49										
2100	46	0	0	29	68	150	0	0	134	165	78	0	0	62	89
	49	0	0	34	65										
2200	54	0	0	36	72	163	0	0	135	178	86	0	0	63	100
	67	0	0	46	89										
2300	63	0	0	33	100	133	0	0	105	187	67	0	0	32	123
	79	0	0	57	117										
2400	64	0	0	36	108	127	0	0	83	175	94	0	0	62	133
	92	0	0	66	120										

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METEOROLOGICAL DATA--CK--FOR MARCH 23, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	143	0	3	132	153	149	0	1	145	153	140	0	5	120	163
	123	0	6	107	145										
200	136	0	2	124	142	143	0	1	140	146	136	0	2	128	146
	125	0	7	104	145										
300	131	0	7	96	149	139	0	1	135	144	133	0	6	98	150
	121	0	6	106	147										
400	118	0	4	103	136	132	0	1	128	136	126	0	3	116	136
	112	0	4	96	126										
500	117	0	4	102	129	130	0	1	126	134	125	0	3	109	133
	109	0	4	93	120										
600	87	0	2	81	97	117	0	1	112	121	91	0	1	86	97
	106	0	3	94	114										
700	107	0	4	92	119	123	0	2	118	127	115	0	6	97	130
	107	0	4	89	118										
800	139	0	6	125	156	141	0	3	131	152	139	0	5	127	168
	124	0	6	108	147										
900	139	0	7	117	157	136	0	5	125	151	136	0	7	106	151
	125	0	9	96	149										
1000	138	0	7	111	163	139	0	4	127	156	138	0	9	110	162
	132	0	10	103	166										
1100	136	0	9	94	168	136	0	6	122	156	150	0	10	126	185
	141	0	18	97	237										
1200	151	0	12	113	185	147	0	9	125	174	144	0	10	125	181
	138	0	17	96	447										
1300	134	0	16	96	181	133	0	10	110	163	141	0	16	88	182
	135	0	13	47	207										
1400	146	0	15	88	180	144	0	11	106	177	153	0	19	101	192
	128	0	18	54	195										
1500	150	0	12	118	183	149	0	9	115	169	149	0	16	111	189
	130	0	15	103	514										
1600	133	0	12	95	158	129	0	9	93	156	126	0	12	95	164
	124	0	14	80	172										
1700	122	0	16	80	158	124	0	9	101	142	126	0	11	70	154
	139	0	17	95	256										
1800	124	0	10	85	149	126	0	6	97	140	130	0	8	100	154
	121	0	9	96	154										
1900	125	0	6	104	140	121	0	2	114	129	132	0	4	115	143
	126	0	10	100	165										
2000	106	0	6	87	121	111	0	2	107	119	110	0	5	96	132
	102	0	10	417	482										
2100	114	0	5	99	131	117	0	1	114	120	118	0	5	99	128
	113	0	4	459	489										
2200	114	0	5	90	130	119	0	0	115	122	120	0	5	102	132
	113	0	3	462	487										
2300	104	0	8	79	133	112	0	3	99	122	108	0	10	86	131
	113	0	5	460	488										
2400	116	0	7	95	142	119	0	3	107	128	119	0	6	94	133
	120	0	5	468	500										

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METEOROLOGICAL DATA--CK--FOR MARCH 23, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	304	0	170	0	307	0	305	0	-86	0	6	0	14	0	14	0	14	0	0	0
200	306	0	169	0	308	0	306	0	-87	0	8	0	14	0	14	0	14	0	0	0
300	295	0	166	0	305	0	304	0	-87	0	12	0	14	0	14	0	14	0	0	0
400	294	0	172	0	297	0	293	0	-92	0	8	0	14	0	14	0	14	0	0	0
500	289	0	168	0	293	0	291	0	-92	0	10	0	14	0	14	0	14	0	0	0
600	284	0	172	0	288	0	287	0	-95	0	15	0	14	0	14	0	14	0	0	0
700	276	0	172	0	278	0	275	0	-98	0	21	0	14	0	14	0	14	0	0	0
800	307	0	191	0	307	0	309	0	-77	0	-8	0	14	0	14	0	14	0	0	0
900	356	0	201	0	352	0	361	0	-53	0	-14	0	14	0	14	0	14	0	0	0
1000	393	0	195	0	396	0	402	0	-23	0	-21	0	14	0	14	0	14	0	0	0
1100	420	0	199	0	425	0	429	0	-6	0	-19	0	14	0	14	0	14	0	0	0
1200	446	0	197	0	448	0	454	0	5	0	-23	0	14	0	14	0	14	0	0	0
1300	473	0	201	0	469	0	477	0	13	0	-25	0	14	0	14	0	14	0	0	0
1400	496	0	203	0	489	0	501	0	29	0	-25	0	14	0	14	0	14	0	0	0
1500	503	0	201	0	504	0	514	0	43	0	-22	0	14	0	14	0	14	0	0	0
1600	518	0	206	0	524	0	534	0	60	0	-20	0	14	0	14	0	14	0	0	0
1700	521	0	205	0	526	0	532	0	62	0	-16	0	14	0	14	0	14	0	0	0
1800	513	0	215	0	520	0	527	0	53	0	-11	0	14	0	14	0	14	0	0	0
1900	480	0	230	0	494	0	496	0	28	0	8	0	14	0	14	0	14	0	0	0
2000	453	0	245	0	455	0	449	0	-2	0	15	0	14	0	14	0	14	0	0	0
2100	429	0	251	0	436	0	426	0	-13	0	22	0	14	0	14	0	14	0	0	0
2200	412	0	251	0	420	0	417	0	-23	0	26	0	14	0	14	0	14	0	0	0
2300	399	0	253	0	408	0	407	0	-28	0	3	0	14	0	14	0	14	0	0	0
2400	377	0	246	0	384	0	384	0	-41	0	3	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR MARCH 24, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	62	0	0	39	97	122	0	0	96	163	92	0	0	65	124
	61	0	0	36	87										
200	47	0	0	29	69	107	0	0	83	134	73	0	0	43	102
	75	0	0	55	101										
300	51	0	0	35	66	96	0	0	65	123	66	0	0	41	90
	86	0	0	64	109										
400	44	0	0	27	74	119	0	0	105	128	61	0	0	47	78
	108	0	0	79	129										
500	58	0	0	33	80	132	0	0	117	144	87	0	0	78	95
	113	0	0	78	153										
600	47	0	0	35	65	125	0	0	117	136	67	0	0	48	82
	118	0	0	81	155										
700	45	0	0	30	68	129	0	0	114	151	52	0	0	26	77
	117	0	0	85	158										
800	48	0	0	26	78	108	0	0	66	126	59	0	0	32	85
	105	0	0	71	144										
900	70	0	0	34	114	89	0	0	44	121	60	0	0	36	90
	76	0	0	39	119										
1000	73	0	0	42	105	86	0	0	59	103	65	0	0	37	91
	66	0	0	39	110										
1100	61	0	0	26	92	61	0	0	40	90	51	0	0	23	81
	26	0	0	11	47										
1200	45	0	0	20	78	59	0	0	36	90	45	0	0	12	82
	30	0	0	11	44										
1300	70	0	0	16	124	94	0	0	25	145	68	0	0	12	144
	21	0	0	5	38										
1400	81	0	0	21	150	98	0	0	41	176	62	0	0	7	141
	45	0	0	28	58										
1500	58	0	0	21	83	63	0	0	27	126	37	0	0	6	79
	62	0	0	49	73										
1600	40	0	0	11	128	62	0	0	12	177	29	0	0	4	84
	61	0	0	40	76										
1700	99	0	0	46	144	129	0	0	80	173	69	0	0	36	123
	45	0	0	15	65										
1800	93	0	0	47	135	124	0	0	82	154	56	0	0	14	113
	41	0	0	22	77										
1900	52	0	0	32	72	116	0	0	101	131	39	0	0	19	69
	41	0	0	25	61										
2000	53	0	0	38	70	136	0	0	122	148	32	0	0	16	59
	46	0	0	33	60										
2100	40	0	0	33	54	129	0	0	120	137	48	0	0	27	64
	46	0	0	28	71										
2200	43	0	0	29	58	139	0	0	102	160	42	0	0	17	70
	57	0	0	37	82										
2300	44	0	0	37	52	112	0	0	102	126	33	0	0	21	52
	67	0	0	44	97										
2400	70	0	0	44	99	163	0	0	142	174	56	0	0	24	91
	82	0	0	54	117										

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METEOROLOGICAL DATA--CK--FOR MARCH 24, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	115	0	5	99	135	122	0	2	115	131	121	0	5	101	134
	114	0	6	452	488										
200	118	0	7	96	142	125	0	1	120	129	120	0	7	93	132
	115	0	3	465	485										
300	102	0	4	88	116	121	0	2	113	128	112	0	4	98	129
	115	0	2	464	484										
400	117	0	7	97	141	129	0	0	127	130	118	0	4	104	131
	113	0	3	465	482										
500	116	0	4	102	134	129	0	0	127	131	122	0	3	112	133
	111	0	3	461	482										
600	128	0	4	109	144	135	0	0	133	136	133	0	2	118	141
	112	0	3	460	481										
700	133	0	6	113	148	140	0	1	137	145	137	0	3	127	153
	113	0	4	462	492										
800	133	0	6	110	152	142	0	2	134	153	136	0	4	115	152
	113	0	4	460	487										
900	147	0	6	123	169	149	0	5	129	168	141	0	7	123	174
	118	0	7	456	499										
1000	160	0	11	125	200	157	0	6	140	177	143	0	7	125	172
	131	0	10	109	171										
1100	191	0	23	140	252	187	0	13	154	234	196	0	15	142	248
	242	0	32	85	319										
1200	134	0	20	85	184	148	0	14	119	187	147	0	14	93	201
	234	0	19	182	287										
1300	157	0	18	113	271	158	0	12	119	188	156	0	34	41	410
	329	0	14	300	361										
1400	176	0	20	107	226	175	0	12	152	217	195	0	26	121	429
	1	0	5	332	375										
1500	302	0	55	78	514	255	0	62	114	411	322	0	36	229	492
	5	0	3	354	377										
1600	185	0	49	42	510	169	0	20	121	278	175	0	68	31	378
	10	0	5	354	383										
1700	159	0	8	128	180	159	0	6	142	174	149	0	12	106	198
	1	0	11	328	391										
1800	178	0	7	157	200	181	0	5	166	196	183	0	13	133	220
	210	0	14	151	244										
1900	170	0	7	149	187	177	0	3	168	184	171	0	10	141	197
	134	0	11	104	192										
2000	149	0	4	138	161	165	0	1	161	168	153	0	7	129	169
	130	0	6	116	164										
2100	134	0	3	121	145	152	0	1	150	156	136	0	2	125	146
	123	0	6	101	146										
2200	136	0	6	118	153	146	0	2	140	152	137	0	4	118	154
	123	0	8	105	164										
2300	153	0	3	144	164	165	0	1	161	169	154	0	6	134	172
	125	0	6	104	144										
2400	156	0	5	144	183	166	0	1	163	169	158	0	8	138	183
	130	0	6	112	154										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 24, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAIN	C
100	359	0	228	0	365	0	365	0	-57	0	6	0	14	0	14	0	14	0	0	0
200	347	0	219	0	354	0	351	0	-66	0	10	0	14	0	14	0	14	0	0	0
300	340	0	219	0	344	0	341	0	-71	0	8	0	14	0	14	0	14	0	0	0
400	326	0	212	0	338	0	336	0	-75	0	14	0	14	0	14	0	14	0	0	0
500	317	0	212	0	330	0	329	0	-80	0	16	0	14	0	14	0	14	0	0	0
600	314	0	215	0	325	0	322	0	-82	0	17	0	14	0	14	0	14	0	0	0
700	316	0	220	0	325	0	325	0	-81	0	15	0	14	0	14	0	14	0	0	0
800	344	0	242	0	349	0	349	0	-62	0	-5	0	14	0	14	0	14	0	0	0
900	394	0	267	0	397	0	406	0	-34	0	-15	0	14	0	14	0	14	0	0	0
1000	459	0	299	0	463	0	469	0	12	0	-18	0	14	0	14	0	14	0	0	0
1100	507	0	305	0	436	0	440	0	15	0	-11	0	14	0	14	0	14	0	0	0
1200	539	0	302	0	437	0	437	0	1	0	-15	0	14	0	14	0	14	0	0	0
1300	569	0	288	0	453	0	452	0	3	0	-20	0	14	0	14	0	14	0	0	0
1400	589	0	285	0	469	0	474	0	12	0	-18	0	14	0	14	0	14	0	0	0
1500	585	0	271	0	492	0	503	0	30	0	-10	0	14	0	14	0	14	0	0	0
1600	588	0	277	0	516	0	505	0	35	0	-7	0	14	0	14	0	14	0	0	0
1700	613	0	276	0	517	0	489	0	42	0	-14	0	14	0	14	0	14	0	0	0
1800	601	0	277	0	550	0	526	0	47	0	-5	0	14	0	14	0	14	0	0	0
1900	570	0	288	0	582	0	577	0	65	0	9	0	14	0	14	0	14	0	0	0
2000	552	0	308	0	557	0	551	0	48	0	17	0	14	0	14	0	14	0	0	0
2100	537	0	303	0	543	0	540	0	40	0	17	0	14	0	14	0	14	0	0	0
2200	531	0	310	0	535	0	532	0	35	0	18	0	14	0	14	0	14	0	0	0
2300	525	0	320	0	532	0	531	0	35	0	13	0	14	0	14	0	14	0	0	0
2400	515	0	328	0	527	0	527	0	35	0	14	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 25, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	50	0	0	32	70	132	0	0	109	153	43	0	0	20	65
	65	0	0	36	105										
200	59	0	0	36	83	143	0	0	101	191	54	0	0	22	92
	57	0	0	30	83										
300	86	0	0	53	115	155	0	0	122	188	66	0	0	25	121
	56	0	0	34	87										
400	77	0	0	50	115	134	0	0	87	192	57	0	0	19	136
	77	0	0	42	135										
500	127	0	0	67	225	187	0	0	134	264	93	0	0	32	190
	80	0	0	34	150										
600	103	0	0	52	189	192	0	0	130	253	92	0	0	40	158
	82	0	0	43	133										
700	94	0	0	55	159	175	0	0	102	228	91	0	0	49	152
	85	0	0	48	110										
800	103	0	0	66	180	192	0	0	129	249	103	0	0	45	182
	95	0	0	70	114										
900	107	0	0	55	167	184	0	0	101	237	101	0	0	54	169
	92	0	0	67	113										
1000	96	0	0	42	149	141	0	0	92	177	98	0	0	53	172
	91	0	0	53	136										
1100	70	0	0	28	129	91	0	0	64	139	70	0	0	29	110
	102	0	0	77	122										
1200	74	0	0	40	136	111	0	0	67	165	75	0	0	41	138
	70	0	0	62	78										
1300	81	0	0	40	138	117	0	0	74	166	76	0	0	37	128
	30	0	0	24	35										
1400	73	0	0	38	125	109	0	0	77	146	58	0	0	24	111
	49	0	0	32	58										
1500	67	0	0	31	108	87	0	0	47	124	72	0	0	32	108
	60	0	0	41	74										
1600	82	0	0	23	121	101	0	0	61	140	83	0	0	37	134
	83	0	0	66	101										
1700	69	0	0	30	114	105	0	0	51	145	92	0	0	48	136
	80	0	0	70	95										
1800	56	0	0	27	94	89	0	0	51	114	68	0	0	30	107
	80	0	0	67	100										
1900	36	0	0	18	57	55	0	0	26	80	38	0	0	20	68
	47	0	0	34	62										
2000	21	0	0	10	35	45	0	0	18	73	12	0	0	4	28
	23	0	0	8	47										
2100	18	0	0	13	23	28	0	0	4	41	13	0	0	4	24
	21	0	0	12	28										
2200	21	0	0	10	32	38	0	0	23	47	24	0	0	13	39
	46	0	0	27	63										
2300	42	0	0	28	64	57	0	0	39	68	38	0	0	15	56
	52	0	0	32	85										
2400	48	0	0	34	60	156	0	0	142	167	53	0	0	30	72
	85	0	0	54	107										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 25, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	146	0	7	124	173	166	0	3	156	175	140	0	8	118	170
	129	0	10	96	176										
200	172	0	7	145	192	180	0	3	171	190	176	0	10	143	213
	142	0	21	96	249										
300	181	0	5	160	208	185	0	2	176	197	183	0	10	144	216
	137	0	17	102	211										
400	202	0	8	178	228	205	0	6	187	223	209	0	13	156	257
	193	0	17	131	237										
500	215	0	10	188	249	215	0	6	193	232	221	0	11	170	253
	192	0	18	123	318										
600	226	0	10	198	259	227	0	5	214	250	234	0	11	201	271
	201	0	10	130	247										
700	234	0	10	192	259	233	0	5	220	248	244	0	9	218	283
	205	0	7	169	224										
800	245	0	10	214	273	242	0	5	227	259	255	0	8	228	284
	210	0	4	197	224										
900	259	0	12	198	288	258	0	5	242	272	266	0	11	232	300
	220	0	5	199	231										
1000	263	0	11	224	300	260	0	5	244	282	267	0	9	233	293
	211	0	7	183	238										
1100	275	0	20	236	336	282	0	12	250	316	277	0	17	229	334
	214	0	2	204	222										
1200	309	0	19	254	360	312	0	10	278	341	311	0	11	281	340
	258	0	13	232	277										
1300	346	0	15	298	383	345	0	8	320	374	346	0	11	316	373
	309	0	16	262	359										
1400	332	0	15	274	409	343	0	6	327	362	340	0	14	278	383
	339	0	5	319	350										
1500	318	0	18	269	370	321	0	11	292	346	290	0	17	240	347
	272	0	15	245	302										
1600	283	0	20	174	330	285	0	7	263	300	281	0	19	249	333
	257	0	5	246	269										
1700	294	0	14	252	331	292	0	8	260	314	292	0	10	261	334
	285	0	3	272	296										
1800	287	0	21	232	385	288	0	10	259	338	289	0	16	245	327
	294	0	10	269	312										
1900	289	0	22	227	342	292	0	10	243	312	291	0	16	225	330
	302	0	9	280	321										
2000	324	0	32	245	406	345	0	12	311	378	341	0	22	264	417
	359	0	37	278	447										
2100	102	0	26	52	161	5	0	3	350	372	97	0	21	62	155
	94	0	12	421	482										
2200	120	0	25	37	168	54	0	13	396	441	116	0	18	68	148
	123	0	8	464	502										
2300	133	0	6	116	151	131	0	3	481	502	133	0	9	94	159
	121	0	10	92	148										
2400	105	0	8	81	136	92	0	4	444	460	122	0	8	96	135
	108	0	4	94	117										

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METEOROLOGICAL DATA--CK--FOR MARCH 25, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	507	0	337	0	527	0	527	0	35	0	14	0	14	0	14	0	14	0	0	0
200	505	0	339	0	529	0	527	0	37	0	15	0	14	0	14	0	14	0	0	0
300	509	0	348	0	519	0	518	0	37	0	3	0	14	0	14	0	14	0	0	0
400	528	0	391	0	527	0	528	0	54	0	0	0	14	0	14	0	14	0	0	0
500	529	0	416	0	498	0	499	0	41	0	-6	0	14	0	14	0	14	0	0	0
600	511	0	420	0	479	0	476	0	33	0	-3	0	14	0	14	0	14	0	0	0
700	500	0	418	0	465	0	460	0	25	0	-4	0	14	0	14	0	14	0	0	0
800	484	0	408	0	437	0	432	0	11	0	-9	0	14	0	14	0	14	0	0	0
900	472	0	395	0	410	0	414	0	-5	0	-13	0	14	0	14	0	14	0	0	0
1000	478	0	382	0	421	0	424	0	1	0	-17	0	14	0	14	0	14	0	0	0
1100	476	0	370	0	425	0	436	0	2	0	-18	0	14	0	14	0	14	0	0	0
1200	456	0	350	0	399	0	409	0	-17	0	-27	0	14	0	14	0	14	0	0	0
1300	441	0	341	0	389	0	396	0	-24	0	-25	0	14	0	14	0	14	0	0	0
1400	443	0	346	0	380	0	392	0	-25	0	-27	0	14	0	14	0	14	0	0	0
1500	434	0	342	0	385	0	394	0	-22	0	-23	0	14	0	14	0	14	0	0	0
1600	414	0	337	0	380	0	389	0	-24	0	-22	0	14	0	14	0	14	0	0	0
1700	407	0	336	0	373	0	377	0	-28	0	-23	0	14	0	14	0	14	0	0	0
1800	369	0	318	0	354	0	351	0	-47	0	-21	0	14	0	14	0	14	0	0	0
1900	346	0	297	0	334	0	326	0	-63	0	-22	0	14	0	14	0	14	0	0	0
2000	345	0	297	0	333	0	325	0	-65	0	-17	0	14	0	14	0	14	0	0	0
2100	340	0	290	0	339	0	322	0	-62	0	-6	0	14	0	14	0	14	0	0	0
2200	335	0	282	0	331	0	317	0	-67	0	4	0	14	0	14	0	14	0	0	0
2300	341	0	282	0	335	0	323	0	-63	0	-20	0	14	0	14	0	14	0	0	0
2400	332	0	268	0	332	0	317	0	-64	0	97	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 26, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	63	0	0	47	76	172	0	0	153	188	58	0	0	37	75
	84	0	0	67	107										
200	45	0	0	28	57	140	0	0	94	168	49	0	0	21	66
	91	0	0	64	114										
300	63	0	0	43	104	162	0	0	124	200	76	0	0	43	114
	110	0	0	77	152										
400	54	0	0	35	88	141	0	0	107	170	72	0	0	45	101
	102	0	0	71	131										
500	67	0	0	41	110	144	0	0	106	180	74	0	0	45	106
	118	0	0	76	181										
600	77	0	0	54	122	192	0	0	143	222	63	0	0	34	95
	112	0	0	59	161										
700	79	0	0	43	121	171	0	0	115	207	57	0	0	29	85
	117	0	0	78	155										
800	81	0	0	48	128	145	0	0	110	175	78	0	0	53	117
	120	0	0	85	160										
900	82	0	0	41	121	117	0	0	58	164	79	0	0	50	138
	113	0	0	72	166										
1000	102	0	0	50	168	147	0	0	86	200	88	0	0	44	164
	109	0	0	53	156										
1100	121	0	0	66	175	178	0	0	119	214	99	0	0	45	181
	65	0	0	14	124										
1200	140	0	0	71	209	199	0	0	104	247	114	0	0	54	187
	83	0	0	29	149										
1300	133	0	0	65	200	195	0	0	135	242	103	0	0	39	183
	72	0	0	31	130										
1400	144	0	0	67	210	212	0	0	143	287	101	0	0	38	208
	74	0	0	30	141										
1500	156	0	0	83	253	223	0	0	109	306	126	0	0	50	212
	71	0	0	23	169										
1600	163	0	0	82	251	220	0	0	139	309	126	0	0	52	233
	74	0	0	28	144										
1700	134	0	0	78	220	189	0	0	121	263	117	0	0	45	199
	75	0	0	27	155										
1800	132	0	0	78	213	208	0	0	125	273	113	0	0	34	203
	59	0	0	27	122										
1900	108	0	0	62	176	179	0	0	127	245	84	0	0	24	150
	61	0	0	28	133										
2000	58	0	0	42	77	119	0	0	99	147	43	0	0	17	72
	47	0	0	23	75										
2100	57	0	0	41	82	139	0	0	106	182	48	0	0	16	76
	47	0	0	18	87										
2200	75	0	0	40	104	155	0	0	130	190	57	0	0	27	92
	46	0	0	23	95										
2300	76	0	0	53	102	156	0	0	123	186	49	0	0	14	92
	56	0	0	30	98										
2400	87	0	0	57	113	156	0	0	120	187	66	0	0	22	104
	71	0	0	37	145										

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METEOROLOGICAL DATA--CK--FOR MARCH 26, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	86	0	4	72	103	95	0	3	449	463	87	0	5	77	112
	102	0	3	89	110										
200	120	0	21	94	159	119	0	5	471	491	129	0	17	102	169
	114	0	5	102	130										
300	133	0	6	117	148	137	0	3	488	505	135	0	5	118	153
	116	0	5	101	134										
400	121	0	7	96	152	130	0	1	485	497	126	0	5	108	141
	115	0	4	101	127										
500	132	0	4	117	151	137	0	2	491	505	136	0	4	115	149
	117	0	5	102	132										
600	142	0	4	126	159	146	0	1	501	510	140	0	4	129	163
	124	0	5	107	141										
700	142	0	5	118	158	145	0	2	498	512	143	0	6	119	165
	121	0	5	104	136										
800	140	0	5	126	156	140	0	2	492	509	140	0	5	124	158
	118	0	5	105	136										
900	138	0	6	121	165	139	0	4	481	514	136	0	7	107	165
	116	0	4	103	130										
1000	155	0	9	128	188	157	0	5	140	173	159	0	11	124	197
	137	0	11	114	195										
1100	166	0	10	142	190	163	0	5	149	177	164	0	12	134	199
	145	0	26	64	466										
1200	169	0	9	142	192	166	0	5	152	179	165	0	10	121	194
	139	0	21	80	504										
1300	164	0	10	136	189	164	0	5	146	180	172	0	13	141	215
	148	0	28	103	499										
1400	170	0	9	136	192	168	0	6	148	182	166	0	17	132	482
	140	0	22	99	303										
1500	175	0	11	141	212	176	0	10	162	215	185	0	15	147	228
	150	0	26	94	416										
1600	183	0	7	158	210	181	0	5	165	198	175	0	13	136	231
	166	0	33	87	487										
1700	180	0	10	157	209	177	0	9	161	210	187	0	11	158	219
	153	0	31	103	507										
1800	179	0	7	158	198	178	0	4	163	193	183	0	11	150	221
	163	0	33	79	503										
1900	181	0	6	161	205	181	0	4	169	194	184	0	11	142	221
	155	0	32	105	507										
2000	185	0	4	169	195	184	0	3	174	190	187	0	11	139	217
	134	0	11	106	177										
2100	173	0	5	154	189	179	0	2	166	189	177	0	9	140	207
	137	0	14	91	202										
2200	179	0	4	162	190	184	0	2	178	194	180	0	8	157	208
	139	0	27	105	487										
2300	180	0	5	164	196	185	0	2	178	194	186	0	12	151	226
	143	0	23	110	514										
2400	187	0	6	168	205	192	0	4	182	204	189	0	10	157	227
	174	0	27	108	494										

DATA CODES
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2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 26, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	348	0	290	0	337	0	323	0	-61	0	138	0	14	0	14	0	14	0	0	0
200	376	0	327	0	384	0	355	0	-28	0	74	0	14	0	14	0	14	0	0	0
300	424	0	373	0	427	0	415	0	-2	0	16	0	14	0	14	0	14	0	0	0
400	437	0	381	0	441	0	430	0	8	0	11	0	14	0	14	0	14	0	0	0
500	445	0	386	0	446	0	437	0	12	0	0	0	14	0	14	0	14	0	0	0
600	442	0	382	0	447	0	438	0	13	0	3	0	14	0	14	0	14	0	0	0
700	441	0	384	0	440	0	432	0	9	0	-2	0	14	0	14	0	14	0	0	0
800	457	0	393	0	454	0	449	0	17	0	-7	0	14	0	14	0	14	0	0	0
900	497	0	417	0	496	0	502	0	42	0	-13	0	14	0	14	0	14	0	0	0
1000	568	0	459	0	570	0	573	0	93	0	-17	0	14	0	14	0	14	0	0	0
1100	620	0	493	0	622	0	627	0	127	0	-21	0	14	0	14	0	14	0	0	0
1200	661	0	505	0	665	0	670	0	148	0	-21	0	14	0	14	0	14	0	0	0
1300	675	0	506	0	679	0	684	0	154	0	-19	0	14	0	14	0	14	0	0	0
1400	707	0	503	0	715	0	724	0	174	0	-17	0	14	0	14	0	14	0	0	0
1500	737	0	491	0	748	0	755	0	196	0	-17	0	14	0	14	0	14	0	0	0
1600	746	0	476	0	756	0	766	0	200	0	-15	0	14	0	13	0	14	0	0	0
1700	746	0	482	0	752	0	759	0	198	0	-12	0	14	0	12	0	14	0	0	0
1800	726	0	480	0	735	0	739	0	181	0	-3	0	14	0	12	0	14	0	0	0
1900	706	0	467	0	717	0	718	0	164	0	4	0	14	0	12	0	14	0	0	0
2000	669	0	463	0	689	0	688	0	146	0	17	0	14	0	13	0	14	0	0	0
2100	643	0	460	0	667	0	666	0	133	0	22	0	14	0	14	0	14	0	0	0
2200	625	0	461	0	647	0	646	0	123	0	20	0	14	0	14	0	14	0	0	0
2300	607	0	464	0	632	0	630	0	116	0	15	0	14	0	14	0	14	0	0	0
2400	611	0	465	0	642	0	641	0	120	0	7	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 27, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	97	0	0	64	134	192	0	0	146	230	71	0	0	26	131
	57	0	0	37	86										
200	114	0	0	77	161	201	0	0	151	248	87	0	0	32	157
	59	0	0	30	109										
300	95	0	0	65	132	170	0	0	131	228	75	0	0	30	128
	72	0	0	33	130										
400	94	0	0	66	130	167	0	0	119	213	73	0	0	29	132
	78	0	0	37	139										
500	86	0	0	53	119	154	0	0	126	207	66	0	0	32	118
	63	0	0	30	119										
600	85	0	0	55	118	155	0	0	106	205	63	0	0	21	117
	74	0	0	37	141										
700	92	0	0	47	126	165	0	0	123	201	72	0	0	27	113
	65	0	0	23	118										
800	104	0	0	55	153	164	0	0	110	203	79	0	0	32	135
	64	0	0	28	121										
900	112	0	0	59	171	143	0	0	84	200	78	0	0	36	144
	72	0	0	33	144										
1000	119	0	0	60	185	157	0	0	99	202	75	0	0	19	144
	65	0	0	21	119										
1100	120	0	0	66	171	148	0	0	100	200	94	0	0	32	160
	80	0	0	41	125										
1200	147	0	0	86	214	188	0	0	107	242	104	0	0	48	183
	78	0	0	45	104										
1300	145	0	0	79	214	186	0	0	101	278	107	0	0	42	191
	80	0	0	43	117										
1400	126	0	0	69	239	173	0	0	78	286	113	0	0	53	212
	83	0	0	46	145										
1500	111	0	0	57	214	155	0	0	69	284	101	0	0	32	225
	84	0	0	38	125										
1600	110	0	0	63	156	141	0	0	83	179	83	0	0	27	142
	57	0	0	28	102										
1700	131	0	0	37	216	176	0	0	96	261	93	0	0	29	187
	77	0	0	38	127										
1800	131	0	0	74	201	177	0	0	119	261	104	0	0	43	178
	56	0	0	24	108										
1900	124	0	0	49	183	172	0	0	109	234	92	0	0	32	165
	72	0	0	33	152										
2000	116	0	0	69	173	170	0	0	112	222	81	0	0	31	144
	58	0	0	29	118										
2100	95	0	0	61	136	154	0	0	99	211	63	0	0	25	117
	50	0	0	26	111										
2200	95	0	0	59	134	151	0	0	104	195	76	0	0	32	135
	63	0	0	24	146										
2300	111	0	0	75	172	165	0	0	97	267	81	0	0	36	141
	78	0	0	33	153										
2400	107	0	0	60	190	168	0	0	92	226	91	0	0	28	168
	79	0	0	42	145										

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METEOROLOGICAL DATA--CK--FOR MARCH 27, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	175	0	6	150	191	181	0	3	172	191	178	0	10	144	219
	140	0	22	107	506										
200	179	0	6	160	197	184	0	3	174	192	182	0	10	138	220
	155	0	26	66	475										
300	187	0	5	169	211	190	0	3	177	200	192	0	11	158	238
	170	0	26	115	403										
400	187	0	6	165	202	191	0	3	179	202	190	0	10	153	220
	176	0	25	120	476										
500	180	0	4	159	197	186	0	3	176	195	183	0	9	151	216
	157	0	27	114	427										
600	191	0	8	167	217	193	0	5	182	207	196	0	12	158	233
	177	0	22	118	243										
700	188	0	5	169	209	192	0	3	183	201	192	0	10	162	260
	174	0	25	119	506										
800	183	0	6	163	202	189	0	4	176	207	185	0	10	155	218
	175	0	27	103	519										
900	189	0	9	171	213	192	0	6	171	218	195	0	13	149	239
	186	0	27	94	500										
1000	185	0	8	159	213	188	0	5	174	211	193	0	15	147	299
	189	0	27	85	254										
1100	188	0	10	158	221	188	0	6	167	206	191	0	12	151	224
	205	0	9	161	229										
1200	200	0	11	168	244	201	0	9	175	232	211	0	20	150	266
	207	0	7	167	228										
1300	198	0	10	174	238	199	0	11	175	243	214	0	18	159	259
	209	0	7	176	222										
1400	205	0	13	177	269	210	0	13	181	244	221	0	17	163	271
	204	0	10	140	231										
1500	212	0	13	180	248	210	0	11	183	248	224	0	14	174	265
	202	0	13	148	233										
1600	203	0	10	169	235	203	0	7	181	229	206	0	15	151	260
	193	0	18	125	364										
1700	202	0	10	170	276	203	0	8	182	248	208	0	15	152	257
	202	0	12	148	229										
1800	186	0	8	165	216	186	0	5	172	205	189	0	11	158	229
	162	0	33	102	479										
1900	192	0	8	154	216	191	0	5	178	212	196	0	11	151	241
	176	0	29	99	508										
2000	182	0	7	153	206	184	0	4	173	196	188	0	11	150	223
	163	0	29	90	240										
2100	189	0	7	163	210	188	0	4	173	201	192	0	12	148	245
	168	0	29	93	489										
2200	191	0	7	169	216	191	0	5	176	207	194	0	10	157	234
	171	0	25	102	457										
2300	196	0	9	170	226	197	0	5	178	210	200	0	13	161	242
	180	0	24	108	409										
2400	195	0	7	176	219	198	0	5	178	215	203	0	13	168	297
	180	0	23	117	248										

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METEOROLOGICAL DATA--CK--FOR MARCH 27, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	606	0	473	0	621	0	620	0	114	0	8	0	14	0	14	0	14	0	0	0
200	614	0	473	0	630	0	629	0	117	0	7	0	14	0	14	0	14	0	0	0
300	605	0	471	0	632	0	631	0	119	0	5	0	14	0	14	0	14	0	0	0
400	602	0	478	0	633	0	632	0	124	0	4	0	14	0	14	0	14	0	0	0
500	595	0	485	0	625	0	623	0	124	0	7	0	14	0	14	0	14	0	0	0
600	589	0	486	0	616	0	614	0	120	0	6	0	14	0	14	0	14	0	0	0
700	596	0	499	0	620	0	619	0	127	0	1	0	14	0	14	0	14	0	0	0
800	597	0	504	0	621	0	621	0	130	0	-2	0	14	0	14	0	14	0	0	0
900	638	0	531	0	639	0	641	0	142	0	-11	0	14	0	14	0	14	0	0	0
1000	659	0	539	0	658	0	654	0	151	0	-10	0	14	0	14	0	14	0	0	0
1100	701	0	554	0	652	0	634	0	152	0	-13	0	14	0	13	0	14	0	0	0
1200	739	0	560	0	621	0	620	0	124	0	-14	0	14	0	12	0	14	0	0	0
1300	746	0	550	0	619	0	615	0	125	0	-14	0	14	0	12	0	14	0	0	0
1400	753	0	535	0	632	0	637	0	130	0	-15	0	14	0	12	0	14	0	0	0
1500	726	0	518	0	617	0	622	0	117	0	-10	0	14	0	12	0	14	0	0	0
1600	697	0	532	0	637	0	612	0	134	0	-6	0	14	0	13	0	14	0	0	0
1700	711	0	530	0	609	0	605	0	116	0	-8	0	14	0	14	0	14	0	0	0
1800	668	0	552	0	680	0	683	0	172	0	-8	0	14	0	14	0	14	0	0	0
1900	644	0	546	0	650	0	651	0	153	0	-6	0	14	0	14	0	14	0	0	0
2000	631	0	551	0	639	0	639	0	152	0	-6	0	14	0	14	0	14	0	0	0
2100	625	0	554	0	630	0	629	0	150	0	-6	0	14	0	14	0	14	0	0	0
2200	622	0	554	0	630	0	628	0	151	0	-6	0	14	0	14	0	14	0	0	0
2300	619	0	555	0	629	0	627	0	151	0	-7	0	14	0	14	0	14	0	0	0
2400	630	0	554	0	629	0	626	0	147	0	-6	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 28, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	126	0	0	73	200	187	0	0	125	272	93	0	0	27	208
	82	0	0	38	129										
200	118	0	0	64	186	180	0	0	90	274	107	0	0	41	212
	95	0	0	36	150										
300	123	0	0	57	193	187	0	0	110	317	109	0	0	38	192
	85	0	0	25	149										
400	136	0	0	69	207	210	0	0	120	277	114	0	0	41	209
	91	0	0	43	138										
500	119	0	0	65	202	190	0	0	107	266	100	0	0	45	178
	91	0	0	47	152										
600	102	0	0	67	136	148	0	0	107	192	73	0	0	29	125
	74	0	0	38	140										
700	82	0	0	47	124	141	0	0	101	188	64	0	0	32	109
	61	0	0	26	116										
800	108	0	0	59	173	171	0	0	113	266	96	0	0	32	144
	83	0	0	27	147										
900	123	0	0	65	233	190	0	0	118	342	93	0	0	27	251
	84	0	0	38	159										
1000	109	0	0	59	194	176	0	0	88	271	93	0	0	37	188
	134	0	0	48	250										
1100	125	0	0	72	201	188	0	0	113	283	101	0	0	39	174
	77	0	0	35	136										
1200	152	0	0	72	252	221	0	0	119	354	129	0	0	51	214
	99	0	0	52	164										
1300	149	0	0	69	250	219	0	0	100	333	124	0	0	58	242
	119	0	0	66	172										
1400	154	0	0	84	266	283	0	0	181	366	157	0	0	61	245
	130	0	0	62	174										
1500	138	0	0	76	205	254	0	0	151	323	145	0	0	76	238
	150	0	0	121	201										
1600	125	0	0	63	215	237	0	0	133	313	126	0	0	44	216
	121	0	0	63	156										
1700	119	0	0	57	199	225	0	0	154	280	122	0	0	65	187
	112	0	0	52	155										
1800	96	0	0	47	177	177	0	0	128	227	103	0	0	58	180
	99	0	0	50	132										
1900	91	0	0	42	183	193	0	0	119	271	108	0	0	42	176
	73	0	0	43	108										
2000	61	0	0	26	112	145	0	0	89	226	68	0	0	34	123
	54	0	0	35	99										
2100	32	0	0	19	43	82	0	0	58	99	33	0	0	21	51
	41	0	0	19	63										
2200	21	0	0	11	33	64	0	0	43	84	28	0	0	12	62
	43	0	0	25	64										
2300	41	0	0	23	81	127	0	0	87	176	60	0	0	36	90
	36	0	0	22	52										
2400	72	0	0	34	107	128	0	0	80	185	60	0	0	23	111
	84	0	0	25	130										

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METEOROLOGICAL DATA--CK--FOR MARCH 28, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	209	0	8	187	234	210	0	6	189	229	214	0	13	163	248
	191	0	18	117	248										
200	212	0	11	186	245	215	0	8	190	240	222	0	12	177	258
	192	0	14	128	236										
300	215	0	10	188	256	217	0	7	200	248	227	0	11	178	256
	193	0	17	137	288										
400	217	0	8	192	248	219	0	5	202	237	226	0	11	174	258
	197	0	14	117	232										
500	218	0	9	198	249	218	0	5	196	238	227	0	12	179	271
	194	0	15	115	317										
600	187	0	5	173	204	193	0	3	182	206	191	0	10	154	242
	176	0	23	120	398										
700	180	0	6	157	196	186	0	4	175	199	184	0	11	155	216
	166	0	30	103	509										
800	195	0	8	173	224	199	0	6	181	227	200	0	13	135	243
	186	0	23	90	408										
900	194	0	9	173	222	196	0	6	178	218	198	0	14	153	271
	176	0	22	113	255										
1000	209	0	11	178	241	212	0	10	183	239	217	0	14	169	265
	212	0	11	142	234										
1100	186	0	6	164	210	188	0	4	172	202	191	0	10	156	234
	157	0	28	101	468										
1200	211	0	9	185	240	210	0	6	195	230	216	0	11	169	242
	197	0	17	142	465										
1300	216	0	9	183	247	218	0	7	189	238	227	0	13	187	263
	205	0	11	145	225										
1400	229	0	11	196	258	229	0	5	209	250	239	0	8	214	268
	208	0	7	152	221										
1500	243	0	11	200	275	244	0	6	229	263	251	0	8	226	284
	229	0	2	223	236										
1600	252	0	12	217	293	251	0	8	226	268	256	0	12	221	289
	217	0	5	192	230										
1700	248	0	9	215	281	246	0	4	232	264	254	0	7	228	274
	207	0	6	164	223										
1800	245	0	12	202	272	250	0	5	234	268	256	0	9	228	284
	205	0	6	175	231										
1900	269	0	14	221	330	269	0	7	246	292	275	0	11	243	308
	237	0	18	171	274										
2000	303	0	20	242	366	309	0	4	297	327	306	0	12	272	346
	279	0	18	234	303										
2100	243	0	15	204	284	278	0	5	262	289	248	0	10	221	277
	201	0	12	154	246										
2200	192	0	23	140	288	239	0	4	229	255	241	0	14	168	273
	213	0	6	193	233										
2300	286	0	13	232	341	298	0	3	282	308	295	0	8	273	316
	240	0	12	211	310										
2400	9	0	10	341	416	7	0	6	351	389	12	0	12	292	417
	17	0	10	296	427										

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METEOROLOGICAL DATA--CK--FOR MARCH 28, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAIN	C
100	632	0	557	0	596	0	594	0	127	0	-6	0	14	0	14	0	14	0	0	0
200	628	0	555	0	568	0	564	0	110	0	-8	0	14	0	14	0	14	0	0	0
300	629	0	556	0	562	0	555	0	107	0	-7	0	14	0	14	0	14	0	0	0
400	635	0	559	0	561	0	556	0	105	0	-8	0	14	0	14	0	14	0	0	0
500	629	0	552	0	574	0	568	0	116	0	-5	0	14	0	14	0	14	0	0	0
600	609	0	541	0	627	0	624	0	146	0	-7	0	14	0	14	0	14	0	0	0
700	607	0	538	0	623	0	620	0	145	0	-6	0	14	0	14	0	14	0	0	0
800	634	0	553	0	635	0	635	0	151	0	-6	0	14	0	14	0	14	0	0	0
900	627	0	558	0	629	0	625	0	154	0	-10	0	14	0	14	0	14	0	5	0
1000	619	0	549	0	561	0	552	0	163	0	-18	0	14	0	14	0	14	0	25	0
1100	611	0	545	0	543	0	541	0	169	0	-26	0	14	0	14	0	13	0	23	0
1200	624	0	568	0	561	0	555	0	138	0	-22	0	14	0	14	0	14	0	15	0
1300	649	0	575	0	573	0	575	0	147	0	-12	0	14	0	14	0	14	0	3	0
1400	635	0	549	0	529	0	532	0	138	0	-8	0	14	0	14	0	14	0	0	0
1500	555	0	504	0	466	0	464	0	82	0	-27	0	14	0	14	0	14	0	18	0
1600	540	0	486	0	463	0	451	0	60	0	-11	0	14	0	14	0	14	0	1	0
1700	586	0	522	0	488	0	481	0	79	0	-7	0	14	0	14	0	14	0	0	0
1800	609	0	539	0	515	0	505	0	91	0	-8	0	14	0	14	0	14	0	0	0
1900	566	0	511	0	486	0	480	0	72	0	-10	0	14	0	14	0	14	0	2	0
2000	553	0	495	0	480	0	465	0	82	0	-19	0	14	0	14	0	14	0	8	0
2100	525	0	455	0	495	0	487	0	92	0	21	0	14	0	14	0	14	0	1	0
2200	525	0	464	0	512	0	480	0	94	0	-12	0	14	0	14	0	14	0	1	0
2300	515	0	456	0	482	0	462	0	70	0	-4	0	14	0	14	0	14	0	0	0
2400	473	0	406	0	442	0	424	0	42	0	-17	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
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4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 29, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	94	0	0	53	147	150	0	0	83	210	60	0	0	20	122
	104	0	0	67	134										
200	59	0	0	28	110	95	0	0	56	141	39	0	0	18	80
	91	0	0	76	110										
300	77	0	0	42	129	110	0	0	55	153	58	0	0	21	101
	96	0	0	70	121										
400	93	0	0	48	149	138	0	0	81	187	62	0	0	15	119
	133	0	0	90	159										
500	89	0	0	51	146	140	0	0	96	188	71	0	0	32	121
	135	0	0	80	182										
600	65	0	0	34	108	102	0	0	61	148	40	0	0	10	80
	93	0	0	33	153										
700	55	0	0	34	84	93	0	0	57	151	31	0	0	8	60
	54	0	0	16	118										
800	67	0	0	43	113	87	0	0	53	128	61	0	0	19	123
	120	0	0	49	181										
900	40	0	0	25	64	49	0	0	18	76	29	0	0	11	48
	108	0	0	33	166										
1000	76	0	0	46	110	101	0	0	58	131	61	0	0	33	109
	175	0	0	122	203										
1100	86	0	0	37	153	112	0	0	56	164	70	0	0	26	137
	177	0	0	136	210										
1200	98	0	0	51	160	146	0	0	83	194	83	0	0	30	151
	186	0	0	158	209										
1300	60	0	0	36	94	70	0	0	30	95	51	0	0	24	81
	134	0	0	115	153										
1400	97	0	0	49	153	133	0	0	79	176	75	0	0	24	141
	157	0	0	131	179										
1500	110	0	0	57	169	155	0	0	71	223	78	0	0	32	159
	208	0	0	176	231										
1600	84	0	0	48	142	109	0	0	61	156	60	0	0	25	109
	190	0	0	96	233										
1700	112	0	0	54	164	152	0	0	99	195	69	0	0	20	128
	216	0	0	113	265										
1800	65	0	0	26	117	89	0	0	44	124	44	0	0	21	75
	123	0	0	71	194										
1900	59	0	0	42	86	90	0	0	70	107	32	0	0	8	55
	24	0	0	13	49										
2000	37	0	0	20	72	94	0	0	73	125	37	0	0	16	62
	133	0	0	66	171										
2100	67	0	0	47	89	137	0	0	113	171	39	0	0	17	64
	33	0	0	16	54										
2200	92	0	0	58	138	131	0	0	79	172	77	0	0	25	116
	42	0	0	22	81										
2300	90	0	0	43	127	144	0	0	103	177	88	0	0	54	133
	50	0	0	14	90										
2400	90	0	0	57	127	131	0	0	100	162	75	0	0	32	133
	47	0	0	19	93										

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METEOROLOGICAL DATA--CK--FOR MARCH 29, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	3	0	9	320	386	3	0	5	346	381	4	0	12	321	400
	9	0	4	360	388										
200	352	0	10	311	383	357	0	7	331	375	356	0	15	250	405
	2	0	1	358	369										
300	358	0	9	324	384	353	0	7	321	376	356	0	14	297	388
	2	0	3	352	375										
400	0	0	9	322	379	359	0	5	344	377	0	0	11	324	392
	8	0	3	362	381										
500	0	0	9	331	388	0	0	6	339	377	3	0	12	314	415
	15	0	6	362	412										
600	18	0	11	338	404	18	0	8	345	397	20	0	21	286	490
	17	0	9	361	414										
700	1	0	11	330	402	3	0	7	343	394	359	0	22	212	496
	30	0	24	281	501										
800	10	0	13	327	407	13	0	8	352	399	13	0	12	303	403
	15	0	7	356	404										
900	10	0	19	323	434	18	0	19	332	414	349	0	19	291	426
	10	0	5	359	394										
1000	346	0	11	312	379	350	0	5	334	363	348	0	12	311	380
	9	0	2	363	385										
1100	352	0	12	319	396	352	0	6	332	375	349	0	15	265	416
	7	0	3	360	384										
1200	345	0	12	292	377	348	0	5	325	360	353	0	12	306	391
	6	0	2	359	375										
1300	333	0	13	292	373	343	0	7	323	366	339	0	12	284	375
	5	0	2	360	377										
1400	345	0	9	316	371	345	0	5	327	358	349	0	11	309	377
	5	0	2	359	373										
1500	353	0	10	322	378	354	0	5	333	376	354	0	13	306	408
	5	0	1	361	370										
1600	358	0	10	305	388	356	0	7	319	383	350	0	12	310	376
	11	0	3	364	384										
1700	1	0	9	322	396	359	0	5	340	383	357	0	12	322	389
	11	0	3	362	389										
1800	18	0	10	348	404	13	0	8	347	396	9	0	11	334	430
	16	0	7	362	406										
1900	41	0	5	387	423	38	0	3	383	408	39	0	17	348	491
	37	0	22	336	487										
2000	356	0	16	316	406	19	0	7	362	402	4	0	13	329	430
	11	0	4	355	392										
2100	49	0	5	393	423	64	0	3	415	432	53	0	14	368	464
	31	0	22	349	490										
2200	68	0	6	406	447	69	0	4	417	440	75	0	10	390	462
	81	0	29	323	506										
2300	85	0	7	422	479	85	0	3	433	456	88	0	6	424	470
	107	0	18	140	495										
2400	74	0	6	414	451	76	0	4	423	445	81	0	7	409	462
	80	0	25	80	500										

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METEOROLOGICAL DATA--CK--FOR MARCH 29, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAIN	C
100	464	0	375	0	439	0	429	0	35	0	-11	0	14	0	14	0	14	0	0	0
200	434	0	354	0	407	0	404	0	6	0	-14	0	14	0	14	0	14	0	0	0
300	400	0	318	0	383	0	381	0	-13	0	-17	0	14	0	14	0	14	0	0	0
400	389	0	306	0	378	0	376	0	-18	0	-16	0	14	0	14	0	14	0	0	0
500	386	0	297	0	378	0	375	0	-22	0	-14	0	14	0	14	0	14	0	0	0
600	375	0	279	0	368	0	366	0	-35	0	-13	0	14	0	14	0	14	0	0	0
700	362	0	276	0	357	0	352	0	-39	0	-14	0	14	0	14	0	14	0	0	0
800	371	0	274	0	363	0	363	0	-30	0	-18	0	14	0	14	0	14	0	0	0
900	387	0	286	0	363	0	366	0	-34	0	-17	0	14	0	14	0	14	0	0	0
1000	390	0	298	0	359	0	367	0	-34	0	-20	0	14	0	14	0	14	0	0	0
1100	393	0	291	0	356	0	370	0	-52	0	-21	0	14	0	14	0	14	0	0	0
1200	380	0	286	0	348	0	366	0	-59	0	-27	0	14	0	14	0	14	0	0	0
1300	415	0	307	0	362	0	376	0	-50	0	-20	0	14	0	14	0	14	0	0	0
1400	388	0	294	0	354	0	371	0	-54	0	-22	0	14	0	14	0	14	0	0	0
1500	387	0	291	0	354	0	371	0	-52	0	-24	0	14	0	14	0	14	0	0	0
1600	397	0	296	0	360	0	374	0	-52	0	-19	0	14	0	14	0	14	0	0	0
1700	367	0	281	0	353	0	360	0	-59	0	-19	0	14	0	14	0	14	0	0	0
1800	378	0	283	0	360	0	362	0	-57	0	-15	0	14	0	14	0	14	0	0	0
1900	389	0	292	0	382	0	382	0	-48	0	-10	0	14	0	14	0	14	0	0	0
2000	398	0	300	0	381	0	377	0	-37	0	0	0	14	0	14	0	14	0	0	0
2100	416	0	319	0	407	0	402	0	-29	0	9	0	14	0	14	0	14	0	0	0
2200	440	0	332	0	439	0	440	0	-12	0	-11	0	14	0	14	0	14	0	0	0
2300	433	0	330	0	432	0	433	0	-15	0	-10	0	14	0	14	0	14	0	0	0
2400	436	0	331	0	435	0	436	0	-13	0	-12	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MARCH 30, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	86	0	0	56	125	130	0	0	93	166	79	0	0	31	123
	46	0	0	21	81										
200	89	0	0	52	142	125	0	0	81	169	81	0	0	40	146
	45	0	0	23	68										
300	94	0	0	56	133	124	0	0	91	148	64	0	0	19	123
	38	0	0	13	82										
400	84	0	0	48	126	121	0	0	83	155	70	0	0	29	113
	46	0	0	18	81										
500	70	0	0	49	96	88	0	0	63	109	44	0	0	12	96
	41	0	0	18	89										
600	51	0	0	23	85	73	0	0	51	116	29	0	0	10	58
	23	0	0	5	44										
700	45	0	0	24	68	72	0	0	49	92	35	0	0	4	60
	35	0	0	18	67										
800	50	0	0	32	72	74	0	0	53	86	32	0	0	16	54
	45	0	0	24	91										
900	53	0	0	36	72	58	0	0	38	84	35	0	0	18	54
	118	0	0	63	142										
1000	77	0	0	40	115	97	0	0	47	134	55	0	0	15	106
	139	0	0	75	164										
1100	95	0	0	45	165	116	0	0	53	191	77	0	0	35	122
	129	0	0	103	151										
1200	70	0	0	39	116	107	0	0	60	183	62	0	0	25	100
	110	0	0	98	122										
1300	94	0	0	34	149	125	0	0	82	170	65	0	0	23	117
	118	0	0	97	138										
1400	78	0	0	34	139	118	0	0	58	164	77	0	0	28	136
	131	0	0	109	150										
1500	86	0	0	43	131	122	0	0	67	168	61	0	0	24	107
	119	0	0	93	145										
1600	88	0	0	39	150	127	0	0	74	184	71	0	0	34	129
	137	0	0	113	162										
1700	75	0	0	36	159	130	0	0	67	177	65	0	0	30	127
	125	0	0	98	149										
1800	76	0	0	38	146	118	0	0	65	188	67	0	0	21	123
	129	0	0	97	149										
1900	78	0	0	44	137	116	0	0	61	181	59	0	0	26	114
	127	0	0	105	151										
2000	86	0	0	50	153	145	0	0	95	206	72	0	0	24	131
	136	0	0	66	190										
2100	102	0	0	36	171	158	0	0	78	211	60	0	0	24	106
	170	0	0	105	214										
2200	89	0	0	48	148	140	0	0	83	211	62	0	0	26	140
	178	0	0	145	206										
2300	80	0	0	32	149	143	0	0	78	223	70	0	0	28	128
	176	0	0	148	204										
2400	81	0	0	36	175	127	0	0	54	206	54	0	0	24	107
	164	0	0	139	191										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 30, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	75	0	7	416	453	78	0	4	421	448	82	0	8	394	463
	79	0	35	356	501										
200	78	0	7	414	458	79	0	5	419	453	83	0	7	411	469
	96	0	22	381	502										
300	63	0	6	404	451	65	0	4	412	441	71	0	12	386	479
	71	0	37	33	485										
400	72	0	7	411	456	71	0	4	414	446	79	0	8	411	473
	89	0	23	358	497										
500	59	0	9	400	445	61	0	6	407	442	65	0	17	347	479
	73	0	30	362	490										
600	47	0	10	381	428	51	0	6	398	426	51	0	22	366	494
	36	0	32	230	480										
700	8	0	10	338	401	12	0	6	352	389	15	0	11	341	412
	30	0	14	359	453										
800	24	0	8	356	406	17	0	5	361	393	29	0	14	333	427
	28	0	16	353	471										
900	13	0	14	335	405	11	0	10	343	399	353	0	17	305	389
	9	0	3	361	391										
1000	344	0	11	312	385	351	0	6	332	366	345	0	11	272	391
	8	0	3	360	390										
1100	6	0	13	319	405	1	0	9	328	384	2	0	12	321	394
	7	0	2	362	376										
1200	349	0	12	303	380	350	0	9	319	379	347	0	12	306	397
	356	0	3	347	364										
1300	351	0	12	315	386	346	0	5	321	362	340	0	11	306	382
	354	0	4	341	362										
1400	349	0	12	291	381	344	0	7	321	370	344	0	10	312	371
	350	0	3	343	359										
1500	357	0	12	299	395	356	0	5	334	374	345	0	14	255	382
	3	0	3	353	371										
1600	355	0	13	292	386	353	0	7	326	380	351	0	11	322	396
	0	0	2	349	367										
1700	340	0	14	299	378	343	0	8	312	363	342	0	13	302	378
	351	0	5	336	360										
1800	355	0	13	311	383	349	0	9	323	374	350	0	11	305	390
	356	0	3	347	364										
1900	1	0	10	315	391	357	0	7	328	380	0	0	16	280	401
	7	0	3	360	379										
2000	0	0	13	315	391	359	0	7	338	392	0	0	11	326	398
	11	0	5	361	398										
2100	358	0	11	316	386	358	0	7	340	385	3	0	14	305	393
	8	0	3	362	380										
2200	359	0	11	324	399	352	0	7	329	379	356	0	14	286	393
	359	0	2	353	365										
2300	345	0	14	219	377	341	0	7	321	361	341	0	11	300	370
	347	0	3	337	356										
2400	353	0	13	296	396	349	0	8	236	369	350	0	14	312	396
	351	0	2	344	357										

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METEOROLOGICAL DATA--CK--FOR MARCH 30, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	427	0	329	0	428	0	429	0	-16	0	-12	0	14	0	14	0	14	0	0	0
200	419	0	319	0	420	0	421	0	-23	0	-12	0	14	0	14	0	14	0	0	0
300	400	0	302	0	408	0	409	0	-32	0	-14	0	14	0	14	0	14	0	0	0
400	383	0	286	0	383	0	384	0	-49	0	-13	0	14	0	14	0	14	0	0	0
500	377	0	280	0	379	0	381	0	-52	0	-15	0	14	0	14	0	14	0	0	0
600	369	0	275	0	370	0	369	0	-59	0	-12	0	14	0	14	0	14	0	0	0
700	357	0	267	0	357	0	355	0	-67	0	-13	0	14	0	14	0	14	0	0	0
800	356	0	263	0	356	0	355	0	-62	0	-14	0	14	0	14	0	14	0	0	0
900	381	0	282	0	359	0	362	0	-57	0	-18	0	14	0	14	0	14	0	0	0
1000	379	0	295	0	349	0	354	0	-55	0	-20	0	14	0	14	0	14	0	0	0
1100	389	0	308	0	357	0	363	0	-48	0	-22	0	14	0	14	0	14	0	0	0
1200	378	0	298	0	346	0	350	0	-56	0	-23	0	14	0	14	0	14	0	0	0
1300	363	0	281	0	342	0	349	0	-60	0	-23	0	14	0	14	0	14	0	0	0
1400	362	0	283	0	342	0	345	0	-60	0	-24	0	14	0	14	0	14	0	0	0
1500	357	0	272	0	345	0	352	0	-63	0	-22	0	14	0	14	0	14	0	0	0
1600	361	0	273	0	349	0	355	0	-61	0	-21	0	14	0	14	0	14	0	0	0
1700	358	0	278	0	352	0	354	0	-59	0	-22	0	14	0	14	0	14	0	0	0
1800	365	0	276	0	358	0	361	0	-59	0	-18	0	14	0	14	0	14	0	0	0
1900	362	0	275	0	359	0	360	0	-57	0	-16	0	14	0	14	0	14	0	0	0
2000	367	0	277	0	366	0	365	0	-55	0	-15	0	14	0	14	0	14	0	0	0
2100	368	0	281	0	368	0	367	0	-51	0	-15	0	14	0	14	0	14	0	0	0
2200	364	0	282	0	366	0	364	0	-50	0	-17	0	14	0	14	0	14	0	0	0
2300	367	0	282	0	367	0	366	0	-53	0	-16	0	14	0	14	0	14	0	0	0
2400	366	0	274	0	366	0	367	0	-54	0	-16	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MARCH 31, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	78	0	0	40	143	134	0	0	75	199	59	0	0	27	111
	167	0	0	136	202										
200	80	0	0	40	132	134	0	0	67	188	62	0	0	25	132
	154	0	0	132	179										
300	76	0	0	39	124	129	0	0	68	193	62	0	0	19	138
	168	0	0	140	198										
400	101	0	0	45	182	170	0	0	102	252	81	0	0	26	164
	227	0	0	184	267										
500	118	0	0	59	192	194	0	0	95	311	91	0	0	47	173
	245	0	0	195	300										
600	121	0	0	60	209	199	0	0	100	283	86	0	0	38	168
	230	0	0	189	283										
700	99	0	0	43	169	157	0	0	77	243	82	0	0	31	165
	214	0	0	177	242										
800	81	0	0	40	173	160	0	0	105	238	83	0	0	34	174
	205	0	0	171	259										
900	115	0	0	53	204	201	0	0	114	270	93	0	0	34	208
	224	0	0	176	261										
1000	102	0	0	44	189	161	0	0	85	245	82	0	0	35	143
	208	0	0	170	248										
1100	122	0	0	53	192	193	0	0	114	259	85	0	0	34	171
	192	0	0	157	227										
1200	94	0	0	26	174	176	0	0	88	239	82	0	0	34	155
	183	0	0	147	216										
1300	97	0	0	34	177	191	0	0	121	256	83	0	0	44	166
	196	0	0	160	241										
1400	88	0	0	22	185	164	0	0	97	241	98	0	0	48	167
	193	0	0	160	223										
1500	99	0	0	46	161	143	0	0	96	189	67	0	0	20	125
	150	0	0	118	190										
1600	97	0	0	32	189	146	0	0	88	212	74	0	0	30	154
	151	0	0	122	182										
1700	73	0	0	39	119	123	0	0	81	189	67	0	0	27	111
	147	0	0	120	175										
1800	72	0	0	28	134	142	0	0	94	203	77	0	0	30	135
	161	0	0	134	193										
1900	66	0	0	27	133	116	0	0	80	153	47	0	0	19	96
	132	0	0	106	154										
2000	53	0	0	26	104	104	0	0	73	142	43	0	0	20	91
	119	0	0	100	146										
2100	57	0	0	18	117	133	0	0	83	171	52	0	0	30	94
	133	0	0	108	152										
2200	47	0	0	20	81	92	0	0	45	136	43	0	0	17	73
	110	0	0	96	129										
2300	47	0	0	20	89	81	0	0	47	106	37	0	0	13	75
	100	0	0	80	116										
2400	39	0	0	18	85	75	0	0	52	104	36	0	0	13	77
	87	0	0	75	106										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 31, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	350	0	12	315	391	347	0	7	322	366	350	0	15	303	395
	352	0	2	344	357										
200	349	0	13	298	387	345	0	6	327	360	345	0	13	291	381
	346	0	2	339	356										
300	346	0	13	293	401	343	0	7	318	362	342	0	11	274	379
	346	0	2	338	352										
400	359	0	11	321	397	355	0	7	334	382	359	0	13	301	394
	0	0	2	352	372										
500	357	0	11	304	386	353	0	6	331	372	355	0	12	307	395
	358	0	2	348	364										
600	358	0	10	328	381	353	0	6	337	379	352	0	11	306	381
	358	0	3	349	366										
700	353	0	11	305	388	347	0	8	319	378	350	0	10	306	382
	355	0	4	346	363										
800	342	0	13	286	399	337	0	7	319	357	341	0	13	254	459
	346	0	3	336	357										
900	347	0	10	315	379	343	0	5	324	358	342	0	10	277	365
	348	0	4	336	358										
1000	349	0	13	283	382	346	0	8	320	371	342	0	10	299	369
	352	0	4	341	361										
1100	345	0	10	305	384	344	0	5	327	362	348	0	13	302	416
	348	0	4	338	360										
1200	325	0	17	188	400	322	0	8	292	341	324	0	12	283	357
	328	0	4	314	342										
1300	322	0	16	270	367	319	0	6	304	342	323	0	12	287	363
	327	0	4	315	338										
1400	333	0	18	136	390	330	0	9	309	352	327	0	11	292	369
	334	0	4	325	345										
1500	340	0	14	298	386	339	0	7	320	358	342	0	14	286	390
	350	0	4	333	359										
1600	346	0	18	276	400	335	0	9	309	353	326	0	13	282	360
	339	0	4	329	350										
1700	342	0	15	277	396	335	0	7	307	359	334	0	10	298	369
	343	0	7	325	359										
1800	316	0	18	251	358	316	0	5	302	337	318	0	12	287	349
	322	0	4	310	331										
1900	336	0	16	265	381	333	0	5	318	354	340	0	13	273	376
	342	0	4	329	353										
2000	325	0	20	201	379	324	0	6	300	342	325	0	11	279	368
	330	0	5	318	342										
2100	319	0	19	219	398	317	0	5	295	332	319	0	14	276	358
	325	0	4	314	336										
2200	332	0	17	268	385	329	0	7	313	350	335	0	13	292	369
	332	0	6	316	349										
2300	329	0	18	258	381	326	0	9	302	348	328	0	12	281	375
	336	0	6	322	349										
2400	326	0	17	266	434	325	0	7	304	352	328	0	11	290	369
	334	0	5	320	346										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MARCH 31, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	366	0	272	0	366	0	368	0	-57	0	-15	0	14	0	14	0	14	0	0	0
200	366	0	274	0	365	0	366	0	-56	0	-15	0	14	0	14	0	14	0	0	0
300	363	0	269	0	363	0	365	0	-58	0	-15	0	14	0	14	0	14	0	0	0
400	358	0	263	0	362	0	364	0	-59	0	-15	0	14	0	14	0	14	0	0	0
500	354	0	246	0	359	0	363	0	-64	0	-14	0	14	0	14	0	14	0	0	0
600	346	0	234	0	351	0	356	0	-72	0	-13	0	14	0	14	0	14	0	0	0
700	344	0	217	0	349	0	356	0	-83	0	-13	0	14	0	14	0	14	0	0	0
800	344	0	203	0	349	0	356	0	-87	0	-12	0	14	0	14	0	14	0	0	0
900	341	0	208	0	347	0	354	0	-85	0	-13	0	14	0	14	0	14	0	0	0
1000	341	0	200	0	341	0	349	0	-91	0	-15	0	14	0	14	0	14	0	0	0
1100	342	0	195	0	341	0	349	0	-89	0	-16	0	14	0	14	0	14	0	0	0
1200	348	0	206	0	335	0	343	0	-89	0	-21	0	14	0	14	0	14	0	0	0
1300	337	0	224	0	327	0	333	0	-82	0	-21	0	14	0	14	0	14	0	0	0
1400	368	0	224	0	344	0	355	0	-83	0	-30	0	14	0	14	0	14	0	0	0
1500	346	0	239	0	332	0	343	0	-77	0	-24	0	14	0	14	0	14	0	0	0
1600	360	0	233	0	340	0	350	0	-77	0	-25	0	14	0	14	0	14	0	0	0
1700	335	0	232	0	331	0	337	0	-85	0	-17	0	14	0	14	0	14	0	0	0
1800	320	0	228	0	322	0	326	0	-87	0	-18	0	14	0	14	0	14	0	0	0
1900	316	0	235	0	314	0	318	0	-86	0	-18	0	14	0	14	0	14	0	0	0
2000	322	0	236	0	320	0	323	0	-86	0	-16	0	14	0	14	0	14	0	0	0
2100	328	0	233	0	330	0	334	0	-84	0	-14	0	14	0	14	0	14	0	0	0
2200	334	0	238	0	338	0	342	0	-81	0	-14	0	14	0	14	0	14	0	0	0
2300	331	0	243	0	334	0	337	0	-81	0	-16	0	14	0	14	0	14	0	0	0
2400	332	0	243	0	335	0	337	0	-81	0	-15	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR APRIL 1, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	38	0	0	16	81	102	0	0	57	146	51	0	0	25	112
	140	0	0	112	168										
200	57	0	0	25	126	122	0	0	63	166	59	0	0	31	109
	139	0	0	116	161										
300	61	0	0	23	142	147	0	0	90	206	83	0	0	39	138
	162	0	0	133	190										
400	54	0	0	14	105	128	0	0	80	165	55	0	0	35	108
	141	0	0	120	166										
500	55	0	0	20	106	125	0	0	88	164	55	0	0	33	94
	137	0	0	114	160										
600	58	0	0	20	109	119	0	0	67	157	54	0	0	24	95
	129	0	0	107	152										
700	29	0	0	16	49	73	0	0	51	103	32	0	0	16	58
	89	0	0	69	103										
800	28	0	0	13	53	52	0	0	31	76	32	0	0	12	57
	67	0	0	49	81										
900	56	0	0	20	101	93	0	0	47	125	64	0	0	35	111
	88	0	0	73	113										
1000	78	0	0	32	126	94	0	0	59	139	76	0	0	42	122
	88	0	0	72	105										
1100	67	0	0	25	95	75	0	0	42	118	66	0	0	30	111
	71	0	0	55	95										
1200	61	0	0	28	97	73	0	0	32	102	57	0	0	28	100
	57	0	0	40	76										
1300	53	0	0	32	87	64	0	0	31	93	52	0	0	22	93
	34	0	0	22	49										
1400	53	0	0	26	89	61	0	0	34	100	51	0	0	27	79
	30	0	0	16	44										
1500	23	0	0	8	42	21	0	0	4	45	19	0	0	4	37
	33	0	0	21	44										
1600	42	0	0	25	65	49	0	0	26	92	33	0	0	9	55
	30	0	0	24	37										
1700	55	0	0	28	120	73	0	0	37	139	49	0	0	22	75
	21	0	0	12	33										
1800	81	0	0	42	134	130	0	0	81	174	58	0	0	26	120
	44	0	0	17	81										
1900	85	0	0	40	129	134	0	0	101	171	70	0	0	36	123
	41	0	0	13	74										
2000	48	0	0	30	73	93	0	0	70	122	41	0	0	12	77
	43	0	0	23	65										
2100	62	0	0	33	101	116	0	0	69	168	45	0	0	22	91
	53	0	0	12	76										
2200	44	0	0	27	64	131	0	0	95	162	56	0	0	32	91
	58	0	0	38	85										
2300	81	0	0	48	114	159	0	0	112	199	62	0	0	27	114
	85	0	0	50	121										
2400	93	0	0	60	152	150	0	0	110	197	68	0	0	24	123
	56	0	0	29	94										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 1, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	324	0	24	256	394	317	0	6	301	332	325	0	12	286	371
	323	0	4	308	336										
200	306	0	17	244	450	306	0	7	282	326	310	0	12	265	346
	310	0	3	299	325										
300	305	0	21	223	446	308	0	6	288	332	312	0	10	282	335
	316	0	3	307	328										
400	310	0	20	197	449	313	0	4	296	327	315	0	12	269	345
	314	0	3	305	321										
500	310	0	21	218	394	313	0	5	294	329	315	0	10	284	360
	316	0	3	308	324										
600	315	0	19	261	407	312	0	6	289	329	316	0	9	288	343
	312	0	3	305	322										
700	332	0	22	82	399	323	0	6	305	348	327	0	12	275	364
	322	0	8	303	338										
800	334	0	27	242	427	323	0	11	298	353	332	0	13	282	371
	325	0	8	305	344										
900	300	0	22	244	389	294	0	9	263	317	288	0	21	229	344
	290	0	6	271	301										
1000	259	0	15	219	307	267	0	12	223	308	282	0	16	239	328
	268	0	5	253	289										
1100	268	0	15	210	315	271	0	6	238	286	286	0	14	236	333
	263	0	5	252	284										
1200	273	0	21	212	343	272	0	12	241	316	273	0	21	226	326
	273	0	8	254	289										
1300	270	0	21	221	315	274	0	11	237	322	269	0	24	201	334
	298	0	8	273	321										
1400	277	0	15	224	373	261	0	10	229	289	274	0	17	227	319
	327	0	12	299	374										
1500	4	0	63	117	513	225	0	53	39	350	348	0	78	68	503
	348	0	8	323	374										
1600	246	0	26	143	285	216	0	19	185	267	247	0	28	117	318
	351	0	13	316	381										
1700	213	0	20	98	257	209	0	18	150	257	237	0	17	172	290
	304	0	27	172	339										
1800	178	0	7	151	194	173	0	5	160	192	178	0	12	148	227
	154	0	33	109	513										
1900	175	0	6	149	191	174	0	4	157	183	177	0	12	142	229
	143	0	23	102	340										
2000	163	0	7	141	189	169	0	3	157	182	168	0	11	131	200
	133	0	11	107	182										
2100	159	0	16	128	214	163	0	9	147	198	154	0	13	125	195
	133	0	16	85	245										
2200	132	0	5	113	151	145	0	2	137	153	133	0	5	114	146
	128	0	7	108	150										
2300	169	0	5	148	192	168	0	3	159	181	173	0	10	131	197
	137	0	10	104	196										
2400	183	0	6	155	200	182	0	4	170	194	185	0	11	142	223
	141	0	23	82	508										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR APRIL 1, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	339	0	231	0	354	0	360	0	-81	0	-10	0	14	0	14	0	14	0	0	0
200	348	0	231	0	353	0	359	0	-78	0	-11	0	14	0	14	0	14	0	0	0
300	349	0	227	0	356	0	363	0	-78	0	-10	0	14	0	14	0	14	0	0	0
400	344	0	228	0	355	0	361	0	-79	0	-7	0	14	0	14	0	14	0	0	0
500	343	0	228	0	354	0	358	0	-78	0	-7	0	14	0	14	0	14	0	0	0
600	345	0	224	0	355	0	360	0	-77	0	-9	0	14	0	14	0	14	0	0	0
700	340	0	207	0	350	0	354	0	-86	0	-7	0	14	0	14	0	14	0	0	0
800	352	0	216	0	349	0	353	0	-83	0	-16	0	14	0	14	0	14	0	0	0
900	361	0	225	0	350	0	357	0	-84	0	-17	0	14	0	14	0	14	0	0	0
1000	366	0	229	0	355	0	361	0	-73	0	-17	0	14	0	14	0	14	0	0	0
1100	359	0	231	0	348	0	355	0	-79	0	-17	0	14	0	14	0	14	0	0	0
1200	373	0	226	0	350	0	356	0	-79	0	-20	0	14	0	14	0	14	0	0	0
1300	383	0	210	0	351	0	356	0	-78	0	-20	0	14	0	14	0	14	0	0	0
1400	397	0	210	0	355	0	362	0	-80	0	-17	0	14	0	14	0	14	0	0	0
1500	413	0	223	0	367	0	374	0	-76	0	-10	0	14	0	14	0	14	0	0	0
1600	436	0	238	0	379	0	384	0	-69	0	-11	0	14	0	14	0	14	0	0	0
1700	451	0	246	0	391	0	397	0	-62	0	-13	0	14	0	14	0	14	0	0	0
1800	453	0	254	0	460	0	463	0	-30	0	-11	0	14	0	14	0	14	0	0	0
1900	452	0	252	0	461	0	463	0	-30	0	-7	0	14	0	14	0	14	0	0	0
2000	449	0	256	0	457	0	458	0	-32	0	-4	0	14	0	14	0	14	0	0	0
2100	427	0	286	0	433	0	432	0	-31	0	-1	0	14	0	14	0	14	0	0	0
2200	423	0	306	0	427	0	427	0	-29	0	4	0	14	0	14	0	14	0	1	0
2300	435	0	296	0	445	0	446	0	-22	0	-2	0	14	0	14	0	14	0	0	0
2400	442	0	298	0	452	0	453	0	-20	0	-4	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 2, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	151	0	0	76	213	215	0	0	134	315	108	0	0	23	198
	67	0	0	31	141										
200	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0
	0	2	0	0	0										
300	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0
	0	2	0	0	0										
400	131	0	0	76	204	201	0	0	126	295	105	0	0	38	183
	88	0	0	40	178										
500	139	0	0	68	218	220	0	0	150	337	108	0	0	28	192
	76	0	0	33	150										
600	129	0	0	72	202	195	0	0	122	258	93	0	0	40	166
	67	0	0	22	160										
700	113	0	0	56	173	179	0	0	127	225	82	0	0	40	145
	61	0	0	32	129										
800	86	0	0	54	120	128	0	0	74	176	65	0	0	17	133
	60	0	0	26	150										
900	91	0	0	50	135	133	0	0	87	196	59	0	0	25	116
	69	0	0	21	117										
1000	88	0	0	57	126	129	0	0	71	179	69	0	0	24	124
	59	0	0	25	101										
1100	100	0	0	58	149	124	0	0	81	163	80	0	0	28	141
	66	0	0	32	122										
1200	128	0	0	68	200	161	0	0	82	233	87	0	0	31	168
	49	0	0	18	123										
1300	105	0	0	53	151	144	0	0	100	184	73	0	0	34	138
	63	0	0	28	113										
1400	105	0	0	48	152	138	0	0	97	179	66	0	0	26	117
	46	0	0	25	80										
1500	78	0	0	40	119	112	0	0	86	135	63	0	0	27	128
	51	0	0	18	91										
1600	78	0	0	40	109	115	0	0	71	154	58	0	0	22	107
	58	0	0	23	114										
1700	63	0	0	26	101	96	0	0	55	129	50	0	0	16	100
	46	0	0	22	70										
1800	57	0	0	30	91	78	0	0	43	109	56	0	0	32	93
	52	0	0	22	95										
1900	47	0	0	25	77	84	0	0	46	111	64	0	0	32	99
	53	0	0	32	77										
2000	59	0	0	27	92	116	0	0	83	143	77	0	0	39	103
	51	0	0	31	81										
2100	53	0	0	26	97	110	0	0	84	131	67	0	0	40	93
	41	0	0	21	63										
2200	68	0	0	45	103	127	0	0	99	152	75	0	0	48	106
	47	0	0	28	83										
2300	59	0	0	37	82	103	0	0	88	119	64	0	0	39	88
	40	0	0	19	61										
2400	53	0	0	35	89	96	0	0	76	109	55	0	0	28	79
	37	0	0	14	68										

DATA CODES
0=GOOD DATA
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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 2, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	187	0	8	163	215	185	0	5	165	198	189	0	11	156	244
	158	0	28	97	466										
200	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0
	0	2	0	0	0										
300	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0
	0	2	0	0	0										
400	173	0	6	152	194	173	0	4	161	189	176	0	11	138	217
	138	0	21	84	505										
500	175	0	8	144	194	177	0	5	160	191	178	0	13	137	209
	149	0	24	95	235										
600	181	0	8	155	203	181	0	5	164	195	183	0	12	139	223
	142	0	28	98	498										
700	179	0	6	158	202	180	0	4	169	192	179	0	9	147	209
	153	0	33	81	515										
800	191	0	9	168	227	196	0	5	184	212	198	0	14	162	233
	175	0	23	117	258										
900	194	0	9	168	223	195	0	5	182	215	199	0	12	139	240
	185	0	23	93	349										
1000	202	0	8	181	236	201	0	6	183	218	206	0	14	168	256
	182	0	22	125	245										
1100	192	0	9	168	223	192	0	5	175	209	196	0	11	159	235
	196	0	17	106	243										
1200	188	0	7	168	208	188	0	6	171	217	195	0	14	161	246
	167	0	32	72	500										
1300	173	0	11	148	203	172	0	6	159	201	176	0	15	135	214
	141	0	25	101	499										
1400	183	0	8	157	205	179	0	5	158	191	179	0	14	130	230
	143	0	25	96	517										
1500	165	0	8	133	185	166	0	5	150	183	165	0	10	124	193
	135	0	15	92	219										
1600	166	0	9	128	199	164	0	5	147	180	165	0	11	127	189
	136	0	12	105	194										
1700	155	0	10	125	189	155	0	6	132	174	160	0	12	118	189
	133	0	15	99	232										
1800	139	0	8	118	163	137	0	5	112	152	134	0	9	95	161
	124	0	11	88	149										
1900	120	0	11	82	155	123	0	2	114	132	126	0	7	96	146
	122	0	7	96	146										
2000	103	0	9	68	136	108	0	3	99	119	108	0	8	84	133
	109	0	8	64	131										
2100	106	0	9	76	132	109	0	3	99	121	109	0	7	90	133
	108	0	8	436	496										
2200	91	0	7	71	115	94	0	3	84	104	94	0	6	70	119
	105	0	12	405	484										
2300	87	0	7	57	116	93	0	4	83	103	90	0	4	75	110
	104	0	13	396	492										
2400	78	0	7	56	101	85	0	3	70	95	81	0	7	52	99
	106	0	13	383	496										

DATA CODES. 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 2, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	457	0	317	0	464	0	465	0	-9	0	-8	0	14	0	14	0	14	0	0	0
200	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
300	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2
400	457	0	326	0	463	0	464	0	-4	0	-7	0	14	0	14	0	14	0	0	0
500	460	0	318	0	465	0	466	0	-9	0	-6	0	14	0	14	0	14	0	0	0
600	460	0	312	0	469	0	470	0	-8	0	-7	0	14	0	14	0	14	0	0	0
700	462	0	310	0	474	0	475	0	-8	0	-5	0	14	0	14	0	14	0	0	0
800	467	0	312	0	479	0	480	0	-6	0	-7	0	14	0	14	0	14	0	0	0
900	475	0	321	0	487	0	489	0	0	0	-8	0	14	0	14	0	14	0	0	0
1000	475	0	339	0	480	0	481	0	5	0	-10	0	14	0	14	0	14	0	0	0
1100	480	0	347	0	485	0	487	0	10	0	-12	0	14	0	14	0	14	0	0	0
1200	471	0	353	0	480	0	482	0	11	0	-13	0	14	0	14	0	14	0	0	0
1300	474	0	363	0	483	0	486	0	18	0	-17	0	14	0	14	0	14	0	0	0
1400	464	0	367	0	471	0	473	0	16	0	-15	0	14	0	14	0	14	0	0	0
1500	455	0	375	0	455	0	451	0	16	0	-18	0	14	0	14	0	14	0	2	0
1600	453	0	377	0	452	0	447	0	16	0	-19	0	14	0	14	0	14	0	2	0
1700	453	0	379	0	451	0	446	0	17	0	-20	0	14	0	14	0	14	0	3	0
1800	456	0	380	0	451	0	446	0	17	0	-22	0	14	0	14	0	14	0	3	0
1900	453	0	379	0	448	0	439	0	16	0	-21	0	14	0	14	0	14	0	2	0
2000	451	0	381	0	444	0	433	0	16	0	-21	0	14	0	14	0	14	0	5	0
2100	451	0	380	0	444	0	431	0	15	0	-21	0	14	0	14	0	14	0	3	0
2200	450	0	382	0	441	0	428	0	15	0	-23	0	14	0	14	0	14	0	4	0
2300	451	0	382	0	442	0	428	0	16	0	-23	0	14	0	14	0	14	0	4	0
2400	452	0	383	0	442	0	428	0	17	0	-24	0	14	0	14	0	14	0	8	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR APRIL 3, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	61	0	0	42	86	98	0	0	81	114	46	0	0	18	82
	25	0	0	8	43										
200	60	0	0	35	88	97	0	0	68	109	48	0	0	11	85
	24	0	0	11	48										
300	57	0	0	41	89	85	0	0	64	107	31	0	0	14	65
	23	0	0	11	42										
400	49	0	0	29	83	94	0	0	79	115	32	0	0	16	54
	101	0	0	85	115										
500	45	0	0	20	73	87	0	0	57	119	29	0	0	16	54
	65	0	0	55	73										
600	53	0	0	28	87	98	0	0	82	124	35	0	0	16	67
	90	0	0	74	104										
700	27	0	0	14	45	51	0	0	26	73	15	0	0	4	33
	56	0	0	46	71										
800	22	0	0	7	58	28	0	0	3	67	16	0	0	4	61
	49	0	0	29	63										
900	42	0	0	23	63	51	0	0	30	65	43	0	0	24	71
	45	0	0	33	60										
1000	48	0	0	26	78	59	0	0	16	99	41	0	0	9	71
	61	0	0	28	105										
1100	54	0	0	28	81	66	0	0	36	86	52	0	0	22	86
	112	0	0	99	127										
1200	68	0	0	34	103	83	0	0	44	124	54	0	0	15	94
	93	0	0	77	106										
1300	80	0	0	40	124	116	0	0	57	177	55	0	0	10	129
	42	0	0	22	73										
1400	91	0	0	51	166	115	0	0	67	171	71	0	0	17	148
	75	0	0	35	105										
1500	80	0	0	37	140	110	0	0	67	161	64	0	0	25	127
	55	0	0	30	85										
1600	91	0	0	42	162	106	0	0	56	193	60	0	0	14	115
	48	0	0	15	85										
1700	65	0	0	16	134	93	0	0	37	175	57	0	0	5	112
	81	0	0	28	141										
1800	77	0	0	48	146	102	0	0	64	161	53	0	0	22	111
	37	0	0	15	60										
1900	77	0	0	47	117	125	0	0	92	165	63	0	0	27	114
	60	0	0	33	121										
2000	115	0	0	60	181	204	0	0	147	253	90	0	0	37	152
	115	0	0	45	200										
2100	132	0	0	69	234	248	0	0	195	306	109	0	0	54	189
	122	0	0	57	191										
2200	82	0	0	27	152	124	0	0	23	220	57	0	0	10	136
	99	0	0	34	147										
2300	28	0	0	15	58	73	0	0	51	101	26	0	0	4	64
	44	0	0	27	74										
2400	22	0	0	9	45	65	0	0	55	76	8	0	0	4	21
	42	0	0	22	67										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 3, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	63	0	4	40	77	70	0	3	61	79	69	0	11	39	107
	51	0	36	49	504										
200	11	0	11	339	407	24	0	7	367	401	14	0	14	327	420
	43	0	29	348	503										
300	47	0	7	391	431	46	0	5	394	418	55	0	19	367	470
	53	0	33	348	489										
400	334	0	9	293	361	353	0	3	343	360	342	0	12	305	384
	4	0	2	360	370										
500	344	0	12	292	393	356	0	7	330	370	349	0	19	282	393
	2	0	5	349	374										
600	329	0	11	284	367	347	0	5	326	357	333	0	16	281	371
	0	0	4	349	373										
700	335	0	16	274	382	352	0	11	299	374	340	0	17	282	376
	1	0	4	353	373										
800	252	0	24	204	349	305	0	41	249	367	249	0	25	142	304
	316	0	20	272	367										
900	257	0	14	228	306	265	0	8	238	296	265	0	12	240	297
	245	0	10	225	276										
1000	220	0	17	183	261	227	0	8	192	251	238	0	19	110	291
	206	0	15	141	345										
1100	239	0	15	200	283	229	0	5	213	248	249	0	9	226	285
	222	0	2	214	230										
1200	227	0	15	193	268	226	0	8	204	254	236	0	16	189	281
	224	0	4	213	234										
1300	183	0	14	146	236	177	0	8	158	205	180	0	15	137	266
	176	0	31	104	235										
1400	206	0	15	174	271	203	0	9	177	235	214	0	15	155	251
	214	0	9	153	229										
1500	206	0	16	171	268	202	0	13	170	233	209	0	28	146	309
	212	0	8	178	232										
1600	182	0	8	159	209	182	0	8	163	214	187	0	14	148	230
	183	0	35	98	489										
1700	144	0	22	88	273	145	0	12	114	195	139	0	16	95	209
	133	0	14	82	180										
1800	184	0	7	164	205	188	0	7	172	206	189	0	13	149	225
	141	0	23	103	507										
1900	172	0	8	139	191	171	0	5	151	185	171	0	11	133	208
	134	0	13	108	201										
2000	158	0	5	143	179	159	0	3	151	169	161	0	8	135	183
	140	0	11	97	195										
2100	156	0	5	143	171	156	0	2	148	165	157	0	7	134	178
	142	0	12	105	218										
2200	350	0	62	105	368	3	0	69	80	366	26	0	66	55	469
	357	0	37	26	378										
2300	322	0	17	275	380	316	0	6	301	331	329	0	13	300	373
	354	0	20	301	435										
2400	336	0	24	227	376	329	0	3	322	339	1	0	14	318	393
	27	0	20	355	476										

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METEOROLOGICAL DATA--CK--FOR APRIL 3, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	453	0	383	0	444	0	430	0	16	0	-23	0	14	0	14	0	14	0	6	0
200	452	0	383	0	442	0	426	0	15	0	-25	0	14	0	14	0	14	0	6	0
300	451	0	380	0	432	0	413	0	8	0	-24	0	14	0	14	0	14	0	3	0
400	430	0	363	0	405	0	387	0	-12	0	-12	0	14	0	14	0	14	0	0	0
500	432	0	362	0	395	0	386	0	-15	0	-16	0	14	0	14	0	14	0	0	0
600	393	0	323	0	369	0	358	0	-33	0	-18	0	14	0	14	0	14	0	0	0
700	387	0	315	0	373	0	359	0	-32	0	-17	0	14	0	14	0	14	0	0	0
800	394	0	321	0	371	0	361	0	-33	0	-12	0	14	0	14	0	14	0	0	0
900	387	0	318	0	373	0	365	0	-34	0	-22	0	14	0	14	0	14	0	0	0
1000	395	0	325	0	377	0	374	0	-30	0	-22	0	14	0	14	0	14	0	0	0
1100	409	0	342	0	380	0	382	0	-26	0	-20	0	14	0	14	0	14	0	0	0
1200	418	0	351	0	388	0	392	0	-21	0	-20	0	14	0	14	0	14	0	0	0
1300	444	0	366	0	426	0	423	0	4	0	-21	0	14	0	14	0	14	0	0	0
1400	475	0	372	0	466	0	469	0	22	0	-20	0	14	0	14	0	14	0	0	0
1500	478	0	374	0	447	0	449	0	10	0	-17	0	14	0	14	0	14	0	0	0
1600	488	0	382	0	491	0	495	0	36	0	-17	0	14	0	14	0	14	0	0	0
1700	485	0	386	0	485	0	486	0	34	0	-16	0	14	0	14	0	14	0	0	0
1800	481	0	402	0	479	0	472	0	41	0	-19	0	14	0	14	0	14	0	4	0
1900	479	0	403	0	474	0	465	0	41	0	-21	0	14	0	14	0	14	0	3	0
2000	476	0	400	0	467	0	454	0	40	0	-22	0	14	0	14	0	14	0	2	0
2100	476	0	402	0	469	0	453	0	41	0	-22	0	14	0	14	0	14	0	0	0
2200	472	0	398	0	453	0	444	0	26	0	-20	0	14	0	14	0	14	0	1	0
2300	456	0	378	0	435	0	428	0	10	0	-13	0	14	0	14	0	14	0	0	0
2400	453	0	376	0	451	0	442	0	20	0	-4	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 4, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	28	0	0	11	40	11	0	0	3	19	31	0	0	4	43
	49	0	0	37	63										
200	13	0	0	7	20	65	0	0	47	85	6	0	0	4	17
	16	0	0	7	29										
300	18	0	0	8	37	11	0	0	3	26	15	0	0	4	31
	39	0	0	30	51										
400	13	0	0	7	22	10	0	0	3	16	15	0	0	4	24
	27	0	0	19	37										
500	36	0	0	18	51	89	0	0	79	105	44	0	0	29	67
	49	0	0	39	56										
600	55	0	0	30	86	115	0	0	80	147	56	0	0	38	88
	66	0	0	40	115										
700	90	0	0	31	134	165	0	0	118	203	87	0	0	52	135
	75	0	0	41	103										
800	47	0	0	28	87	93	0	0	55	133	45	0	0	20	76
	47	0	0	26	71										
900	51	0	0	28	83	82	0	0	52	106	52	0	0	22	83
	71	0	0	44	100										
1000	76	0	0	40	124	102	0	0	54	148	84	0	0	51	114
	67	0	0	33	96										
1100	84	0	0	50	134	116	0	0	72	163	71	0	0	31	129
	41	0	0	26	51										
1200	97	0	0	60	145	117	0	0	63	163	75	0	0	22	126
	33	0	0	11	53										
1300	129	0	0	75	189	151	0	0	96	198	95	0	0	36	165
	62	0	0	26	121										
1400	171	0	0	91	250	222	0	0	156	282	127	0	0	52	216
	74	0	0	23	152										
1500	176	0	0	85	272	241	0	0	140	334	127	0	0	21	211
	77	0	0	27	151										
1600	140	0	0	78	217	199	0	0	112	281	121	0	0	40	193
	93	0	0	34	176										
1700	171	0	0	88	301	294	0	0	174	378	156	0	0	63	274
	182	0	0	152	225										
1800	131	0	0	59	216	229	0	0	118	320	133	0	0	55	230
	149	0	0	119	181										
1900	136	0	0	70	222	222	0	0	138	306	127	0	0	71	213
	146	0	0	128	169										
2000	123	0	0	67	222	216	0	0	138	326	108	0	0	51	228
	160	0	0	132	200										
2100	121	0	0	61	208	217	0	0	135	289	127	0	0	46	214
	172	0	0	143	205										
2200	112	0	0	48	178	203	0	0	123	288	102	0	0	43	189
	144	0	0	118	170										
2300	105	0	0	51	178	189	0	0	137	274	96	0	0	48	175
	151	0	0	132	179										
2400	104	0	0	52	183	195	0	0	123	266	104	0	0	42	171
	143	0	0	119	166										

DATA CODES

0=GOOD DATA
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2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 4, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	114	0	7	454	501	166	0	9	132	180	125	0	8	464	509
	118	0	3	471	487										
200	296	0	26	232	347	296	0	4	286	308	311	0	37	251	358
	328	0	29	296	461										
300	113	0	44	62	233	61	0	9	407	432	106	0	28	76	244
	119	0	4	109	130										
400	137	0	13	115	158	291	0	11	268	316	134	0	15	108	166
	121	0	3	107	139										
500	256	0	13	203	286	257	0	3	248	265	258	0	7	236	275
	218	0	6	201	232										
600	254	0	11	211	300	263	0	5	247	286	261	0	8	239	286
	217	0	13	184	279										
700	262	0	11	225	303	269	0	5	256	284	271	0	9	244	295
	216	0	9	191	243										
800	264	0	13	215	295	275	0	4	256	290	271	0	10	231	308
	210	0	31	116	255										
900	236	0	14	196	281	238	0	6	212	257	242	0	9	201	294
	208	0	10	165	242										
1000	222	0	11	194	263	230	0	9	198	278	236	0	7	205	259
	210	0	8	178	233										
1100	226	0	12	197	262	226	0	7	211	262	237	0	11	190	272
	234	0	7	215	259										
1200	179	0	13	135	214	174	0	10	126	195	183	0	17	135	230
	207	0	25	73	296										
1300	184	0	10	160	229	186	0	7	157	210	190	0	17	143	254
	192	0	33	69	522										
1400	185	0	7	153	210	182	0	5	165	197	179	0	10	145	222
	185	0	28	79	268										
1500	185	0	9	154	211	183	0	7	165	203	189	0	12	136	220
	164	0	31	103	489										
1600	203	0	12	172	236	199	0	11	170	243	207	0	16	164	249
	191	0	21	114	312										
1700	247	0	10	198	273	245	0	5	221	267	254	0	9	217	280
	239	0	2	233	247										
1800	247	0	12	208	277	247	0	7	225	269	253	0	9	229	279
	235	0	6	220	246										
1900	245	0	10	215	286	245	0	6	227	265	253	0	10	212	284
	231	0	2	225	237										
2000	250	0	11	213	287	255	0	7	236	273	260	0	11	225	291
	252	0	2	245	260										
2100	250	0	12	204	294	252	0	7	228	271	258	0	11	219	289
	246	0	5	236	257										
2200	236	0	11	198	272	238	0	5	218	255	245	0	10	214	279
	223	0	2	217	233										
2300	239	0	11	203	268	241	0	6	211	258	244	0	9	220	275
	232	0	2	225	238										
2400	237	0	13	198	279	238	0	5	217	258	245	0	11	215	330
	222	0	2	215	228										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 4, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	457	0	377	0	454	0	446	0	23	0	20	0	14	0	14	0	14	0	0	0
200	458	0	380	0	445	0	432	0	17	0	16	0	14	0	14	0	14	0	1	0
300	455	0	376	0	449	0	431	0	23	0	2	0	14	0	14	0	14	0	1	0
400	456	0	378	0	452	0	427	0	24	0	9	0	14	0	14	0	14	0	0	0
500	452	0	380	0	417	0	410	0	-1	0	-8	0	14	0	14	0	14	0	0	0
600	438	0	366	0	404	0	395	0	-11	0	-12	0	14	0	14	0	14	0	0	0
700	433	0	364	0	401	0	391	0	-13	0	-12	0	14	0	14	0	14	0	0	0
800	419	0	348	0	396	0	387	0	-16	0	-17	0	14	0	14	0	14	0	0	0
900	417	0	349	0	394	0	387	0	-18	0	-17	0	14	0	14	0	14	0	0	0
1000	451	0	383	0	416	0	410	0	0	0	-17	0	14	0	14	0	14	0	0	0
1100	505	0	399	0	368	0	371	0	-32	0	-17	0	14	0	14	0	14	0	0	0
1200	561	0	397	0	475	0	422	0	30	0	-16	0	14	0	14	0	14	0	0	0
1300	568	0	370	0	572	0	579	0	67	0	-17	0	14	0	13	0	14	0	0	0
1400	585	0	386	0	588	0	597	0	73	0	-23	0	14	0	12	0	14	0	0	0
1500	579	0	386	0	588	0	593	0	73	0	-12	0	14	0	12	0	14	0	0	0
1600	548	0	384	0	546	0	556	0	56	0	-11	0	14	0	14	0	14	0	4	0
1700	511	0	323	0	455	0	470	0	1	0	-13	0	14	0	14	0	14	0	0	0
1800	480	0	320	0	439	0	450	0	-7	0	-15	0	14	0	14	0	14	0	0	0
1900	457	0	321	0	426	0	434	0	-11	0	-14	0	14	0	14	0	14	0	0	0
2000	426	0	301	0	415	0	421	0	-23	0	-8	0	14	0	14	0	14	0	0	0
2100	419	0	282	0	410	0	414	0	-33	0	-7	0	14	0	14	0	14	0	0	0
2200	409	0	286	0	400	0	402	0	-36	0	-7	0	14	0	14	0	14	0	0	0
2300	406	0	291	0	397	0	400	0	-34	0	-10	0	14	0	14	0	14	0	0	0
2400	408	0	291	0	397	0	400	0	-34	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 5, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	83	0	0	47	152	147	0	0	70	206	83	0	0	39	156
	120	0	0	90	146										
200	81	0	0	48	121	144	0	0	99	181	78	0	0	44	127
	106	0	0	93	121										
300	76	0	0	43	140	128	0	0	93	168	69	0	0	37	111
	101	0	0	79	126										
400	82	0	0	42	150	150	0	0	88	202	94	0	0	58	135
	102	0	0	74	134										
500	74	0	0	39	143	132	0	0	99	178	102	0	0	50	151
	99	0	0	79	114										
600	70	0	0	34	107	125	0	0	90	169	83	0	0	55	112
	91	0	0	78	109										
700	52	0	0	31	111	97	0	0	61	141	60	0	0	36	87
	72	0	0	61	88										
800	76	0	0	27	133	139	0	0	90	196	88	0	0	57	141
	110	0	0	88	131										
900	67	0	0	26	126	145	0	0	98	193	94	0	0	35	148
	118	0	0	87	157										
1000	79	0	0	32	139	147	0	0	101	198	96	0	0	53	165
	114	0	0	101	133										
1100	87	0	0	44	145	166	0	0	95	210	93	0	0	42	155
	128	0	0	101	164										
1200	71	0	0	33	145	136	0	0	78	208	93	0	0	47	167
	99	0	0	86	117										
1300	74	0	0	29	137	129	0	0	80	181	80	0	0	37	139
	88	0	0	73	104										
1400	77	0	0	33	123	136	0	0	85	175	91	0	0	38	138
	99	0	0	81	116										
1500	70	0	0	44	108	104	0	0	57	147	70	0	0	29	117
	80	0	0	63	95										
1600	69	0	0	36	99	88	0	0	58	106	62	0	0	30	105
	64	0	0	54	73										
1700	50	0	0	26	74	59	0	0	39	83	40	0	0	15	68
	53	0	0	42	63										
1800	34	0	0	19	59	42	0	0	27	57	32	0	0	16	52
	28	0	0	17	37										
1900	33	0	0	20	53	41	0	0	21	56	27	0	0	15	40
	30	0	0	22	38										
2000	25	0	0	11	41	34	0	0	18	44	24	0	0	14	35
	36	0	0	28	44										
2100	23	0	0	19	29	55	0	0	50	62	21	0	0	16	27
	22	0	0	11	31										
2200	11	0	0	6	20	65	0	0	58	76	4	0	0	4	4
	29	0	0	22	37										
2300	19	0	0	15	23	73	0	0	65	80	11	0	0	4	23
	34	0	0	21	45										
2400	35	0	0	28	46	63	0	0	53	73	29	0	0	19	36
	46	0	0	33	57										

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METEOROLOGICAL DATA--CK--FOR APRIL 5, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	240	0	12	212	276	240	0	7	218	266	245	0	11	204	286
	220	0	3	209	230										
200	253	0	10	224	285	257	0	6	239	272	263	0	8	235	293
	225	0	3	217	237										
300	250	0	9	213	280	257	0	6	241	278	259	0	9	233	282
	221	0	3	212	229										
400	272	0	14	224	308	281	0	7	258	298	282	0	9	257	307
	272	0	4	261	283										
500	268	0	12	226	309	273	0	6	251	290	275	0	9	248	303
	260	0	4	248	274										
600	270	0	11	240	309	274	0	5	261	290	276	0	8	254	302
	260	0	5	247	272										
700	269	0	16	220	316	277	0	7	255	293	274	0	8	240	298
	256	0	7	237	272										
800	276	0	13	234	333	283	0	6	265	301	285	0	10	258	319
	278	0	4	265	290										
900	293	0	14	253	358	297	0	6	279	313	299	0	9	273	334
	296	0	4	285	310										
1000	289	0	13	253	342	295	0	6	278	316	296	0	10	271	340
	293	0	3	284	300										
1100	296	0	15	250	350	296	0	6	278	314	298	0	11	268	339
	299	0	4	284	309										
1200	288	0	16	245	337	292	0	6	274	311	294	0	10	271	329
	291	0	4	281	304										
1300	287	0	14	241	327	291	0	7	268	306	294	0	11	264	325
	279	0	3	268	288										
1400	302	0	14	258	343	301	0	7	279	322	303	0	11	264	341
	295	0	2	288	302										
1500	291	0	17	239	334	292	0	8	260	323	296	0	14	262	334
	270	0	4	259	283										
1600	300	0	19	235	352	295	0	7	278	316	300	0	13	272	355
	258	0	5	245	272										
1700	293	0	20	247	371	300	0	10	251	328	308	0	19	257	357
	254	0	3	244	265										
1800	322	0	26	264	384	312	0	13	269	342	306	0	17	247	359
	277	0	6	250	292										
1900	337	0	23	268	408	329	0	11	294	353	337	0	14	300	386
	319	0	17	288	348										
2000	309	0	18	235	369	312	0	13	250	329	308	0	19	265	353
	290	0	6	273	308										
2100	247	0	24	205	285	282	0	7	270	294	270	0	16	241	317
	259	0	28	154	319										
2200	263	0	27	213	322	279	0	3	270	286	192	0	21	169	242
	214	0	6	195	228										
2300	256	0	30	191	315	270	0	6	259	280	259	0	26	219	331
	230	0	6	216	252										
2400	219	0	4	203	230	249	0	6	235	262	215	0	6	194	234
	213	0	4	199	232										

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METEOROLOGICAL DATA--CK--FOR APRIL 5, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAIN	C
100	403	0	291	0	395	0	399	0	-34	0	-12	0	14	0	14	0	14	0	0	0
200	401	0	295	0	391	0	394	0	-35	0	-11	0	14	0	14	0	14	0	0	0
300	396	0	292	0	388	0	392	0	-37	0	-12	0	14	0	14	0	14	0	0	0
400	398	0	282	0	394	0	397	0	-40	0	-11	0	14	0	14	0	14	0	0	0
500	390	0	277	0	388	0	392	0	-42	0	-12	0	14	0	14	0	14	0	0	0
600	382	0	271	0	380	0	382	0	-47	0	-12	0	14	0	14	0	14	0	0	0
700	383	0	267	0	379	0	382	0	-48	0	-11	0	14	0	14	0	14	0	0	0
800	383	0	269	0	380	0	382	0	-48	0	-11	0	14	0	14	0	14	0	0	0
900	392	0	255	0	388	0	392	0	-50	0	-11	0	14	0	14	0	14	0	0	0
1000	386	0	263	0	382	0	385	0	-49	0	-11	0	14	0	14	0	14	0	0	0
1100	392	0	258	0	386	0	390	0	-50	0	-14	0	14	0	14	0	14	0	0	0
1200	395	0	264	0	385	0	388	0	-48	0	-16	0	14	0	14	0	14	0	0	0
1300	391	0	267	0	379	0	381	0	-48	0	-15	0	14	0	14	0	14	0	0	0
1400	404	0	271	0	383	0	388	0	-45	0	-20	0	14	0	14	0	14	0	0	0
1500	401	0	270	0	383	0	387	0	-43	0	-20	0	14	0	14	0	14	0	0	0
1600	410	0	264	0	388	0	395	0	-40	0	-19	0	14	0	14	0	14	0	0	0
1700	407	0	261	0	386	0	394	0	-44	0	-17	0	14	0	14	0	14	0	0	0
1800	405	0	254	0	386	0	390	0	-51	0	-15	0	14	0	14	0	14	0	0	0
1900	401	0	253	0	386	0	390	0	-51	0	-14	0	14	0	14	0	14	0	0	0
2000	395	0	255	0	382	0	385	0	-53	0	-13	0	14	0	14	0	14	0	0	0
2100	371	0	256	0	380	0	381	0	-59	0	12	0	14	0	14	0	14	0	0	0
2200	362	0	248	0	377	0	377	0	-58	0	20	0	14	0	14	0	14	0	0	0
2300	369	0	254	0	379	0	380	0	-51	0	11	0	14	0	14	0	14	0	0	0
2400	373	0	258	0	382	0	384	0	-58	0	-1	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 6, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	19	0	0	11	31	82	0	0	70	99	22	0	0	10	38
	46	0	0	32	61										
200	37	0	0	24	60	103	0	0	87	116	39	0	0	23	64
	55	0	0	30	85										
300	36	0	0	20	55	99	0	0	81	115	39	0	0	25	58
	59	0	0	30	81										
400	33	0	0	20	51	105	0	0	83	123	33	0	0	23	46
	36	0	0	25	57										
500	31	0	0	8	86	101	0	0	63	212	38	0	0	14	136
	80	0	0	40	185										
600	37	0	0	22	51	65	0	0	50	88	29	0	0	3	47
	33	0	0	14	68										
700	75	0	0	28	119	138	0	0	97	185	55	0	0	20	101
	81	0	0	20	131										
800	39	0	0	31	47	33	0	0	20	48	40	0	0	15	60
	42	0	0	24	67										
900	59	0	0	41	86	94	0	0	65	117	46	0	0	21	83
	66	0	0	36	93										
1000	53	0	0	20	84	56	0	0	27	86	42	0	0	12	77
	37	0	0	13	71										
1100	69	0	0	33	102	82	0	0	31	111	65	0	0	21	104
	51	0	0	41	59										
1200	79	0	0	38	118	103	0	0	58	133	84	0	0	36	122
	48	0	0	37	59										
1300	71	0	0	29	126	90	0	0	50	146	96	0	0	56	131
	60	0	0	43	74										
1400	75	0	0	24	124	119	0	0	77	155	77	0	0	35	123
	75	0	0	60	93										
1500	65	0	0	23	119	105	0	0	65	146	62	0	0	36	106
	78	0	0	66	93										
1600	51	0	0	16	94	72	0	0	35	105	51	0	0	26	84
	43	0	0	22	63										
1700	54	0	0	29	81	66	0	0	43	86	41	0	0	11	67
	34	0	0	24	47										
1800	56	0	0	26	80	67	0	0	31	90	45	0	0	21	81
	29	0	0	22	40										
1900	45	0	0	25	67	45	0	0	24	72	32	0	0	7	69
	38	0	0	29	48										
2000	31	0	0	19	51	46	0	0	32	66	39	0	0	11	83
	39	0	0	20	86										
2100	29	0	0	22	36	44	0	0	36	51	25	0	0	13	35
	31	0	0	21	44										
2200	24	0	0	17	30	48	0	0	39	54	10	0	0	4	27
	13	0	0	4	26										
2300	21	0	0	16	26	54	0	0	44	60	4	0	0	4	15
	24	0	0	17	39										
2400	21	0	0	12	28	67	0	0	57	83	14	0	0	4	30
	42	0	0	10	85										

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METEOROLOGICAL DATA--CK--FOR APRIL 6, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	249	0	16	202	285	264	0	3	254	275	261	0	10	231	291
	221	0	5	204	240										
200	231	0	10	207	266	245	0	3	238	254	245	0	8	228	284
	208	0	8	165	230										
300	234	0	14	193	267	245	0	2	239	252	251	0	8	225	271
	218	0	8	169	234										
400	236	0	11	208	263	242	0	2	235	251	249	0	7	227	270
	222	0	7	204	241										
500	256	0	47	127	317	262	0	17	227	298	277	0	28	187	330
	271	0	29	186	312										
600	211	0	7	196	251	232	0	7	222	250	215	0	15	187	324
	197	0	20	125	265										
700	4	0	32	231	419	348	0	24	314	402	3	0	31	311	456
	16	0	37	183	485										
800	188	0	4	174	202	158	0	15	161	534	186	0	8	159	222
	131	0	14	100	512										
900	169	0	7	144	189	171	0	3	163	183	174	0	10	125	206
	131	0	6	114	150										
1000	180	0	13	151	230	189	0	11	164	240	189	0	15	147	238
	148	0	41	41	521										
1100	265	0	17	221	324	264	0	10	223	310	280	0	17	231	323
	304	0	4	288	313										
1200	261	0	13	222	296	267	0	6	246	305	286	0	12	260	328
	268	0	7	249	287										
1300	289	0	25	214	431	286	0	14	248	328	278	0	12	247	323
	259	0	10	237	284										
1400	318	0	19	252	386	318	0	9	280	342	312	0	14	281	356
	321	0	5	307	337										
1500	334	0	19	166	390	327	0	11	302	353	333	0	14	286	366
	331	0	7	317	348										
1600	304	0	21	228	369	316	0	15	273	355	311	0	13	282	342
	302	0	8	278	324										
1700	331	0	21	273	394	329	0	10	294	359	320	0	18	262	372
	338	0	9	312	360										
1800	350	0	14	284	390	345	0	8	321	372	347	0	17	304	395
	334	0	10	297	352										
1900	4	0	19	312	406	6	0	10	334	403	357	0	19	303	400
	3	0	6	343	375										
2000	299	0	24	240	351	316	0	21	264	359	288	0	20	256	358
	275	0	13	218	319										
2100	266	0	5	253	281	303	0	6	296	320	255	0	11	225	271
	236	0	9	215	262										
2200	293	0	13	265	322	287	0	5	276	296	287	0	20	250	341
	227	0	15	199	279										
2300	316	0	12	285	346	302	0	3	298	319	300	0	28	266	372
	339	0	25	286	399										
2400	290	0	22	260	346	342	0	4	334	351	321	0	33	273	370
	355	0	19	328	403										

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METEOROLOGICAL DATA--CK--FOR APRIL 6, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	364	0	254	0	379	0	379	0	-55	0	13	0	14	0	14	0	14	0	0	0
200	361	0	268	0	371	0	368	0	-51	0	4	0	14	0	14	0	14	0	0	0
300	364	0	270	0	372	0	366	0	-50	0	0	0	14	0	14	0	14	0	0	0
400	366	0	277	0	367	0	360	0	-50	0	6	0	14	0	14	0	14	0	0	0
500	352	0	264	0	377	0	374	0	-44	0	12	0	14	0	14	0	14	0	0	0
600	368	0	251	0	379	0	367	0	-61	0	20	0	14	0	14	0	14	0	2	0
700	363	0	258	0	362	0	359	0	-63	0	-9	0	14	0	14	0	14	0	1	0
800	352	0	254	0	363	0	356	0	-62	0	2	0	14	0	14	0	14	0	0	0
900	360	0	267	0	362	0	359	0	-57	0	-15	0	14	0	14	0	14	0	0	0
1000	404	0	287	0	406	0	411	0	-37	0	-16	0	14	0	14	0	14	0	0	0
1100	428	0	287	0	384	0	387	0	-34	0	-17	0	14	0	14	0	14	0	0	0
1200	418	0	294	0	383	0	386	0	-36	0	-21	0	14	0	14	0	14	0	0	0
1300	421	0	298	0	383	0	390	0	-39	0	-23	0	14	0	14	0	14	0	0	0
1400	406	0	288	0	370	0	378	0	-47	0	-30	0	14	0	14	0	14	0	0	0
1500	421	0	286	0	369	0	381	0	-43	0	-33	0	14	0	14	0	14	0	0	0
1600	409	0	278	0	337	0	344	0	-57	0	-26	0	14	0	14	0	14	0	0	0
1700	418	0	275	0	330	0	336	0	-59	0	-19	0	14	0	14	0	14	0	0	0
1800	419	0	275	0	332	0	338	0	-60	0	-16	0	14	0	14	0	14	0	0	0
1900	430	0	241	0	367	0	375	0	-37	0	-12	0	14	0	14	0	14	0	0	0
2000	425	0	215	0	370	0	373	0	-52	0	-5	0	14	0	14	0	14	0	0	0
2100	359	0	264	0	360	0	358	0	-59	0	48	0	14	0	14	0	14	0	0	0
2200	352	0	265	0	365	0	358	0	-55	0	53	0	14	0	14	0	14	0	0	0
2300	353	0	266	0	362	0	352	0	-54	0	40	0	14	0	14	0	14	0	0	0
2400	330	0	255	0	352	0	335	0	-63	0	33	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 7, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	43	0	0	23	70	102	0	0	75	128	48	0	0	27	68
	54	0	0	40	77										
200	38	0	0	20	72	102	0	0	78	122	25	0	0	14	48
	57	0	0	28	97										
300	62	0	0	32	123	111	0	0	68	151	41	0	0	21	84
	84	0	0	57	115										
400	69	0	0	36	105	104	0	0	72	130	39	0	0	14	75
	50	0	0	20	117										
500	33	0	0	13	73	68	0	0	45	108	40	0	0	22	66
	54	0	0	41	76										
600	42	0	0	24	62	76	0	0	47	93	25	0	0	7	51
	71	0	0	32	97										
700	55	0	0	32	96	92	0	0	51	130	44	0	0	15	93
	119	0	0	99	138										
800	44	0	0	29	66	71	0	0	53	86	39	0	0	20	67
	40	0	0	21	66										
900	41	0	0	25	61	60	0	0	44	79	32	0	0	4	54
	63	0	0	52	80										
1000	42	0	0	22	62	49	0	0	22	61	32	0	0	15	60
	61	0	0	41	81										
1100	46	0	0	20	74	66	0	0	47	93	46	0	0	16	81
	64	0	0	54	82										
1200	51	0	0	24	84	69	0	0	39	100	45	0	0	12	74
	67	0	0	51	84										
1300	73	0	0	31	113	96	0	0	63	126	51	0	0	21	83
	92	0	0	78	108										
1400	66	0	0	32	106	94	0	0	58	129	57	0	0	29	90
	98	0	0	83	112										
1500	92	0	0	45	142	122	0	0	84	158	66	0	0	20	119
	122	0	0	106	139										
1600	86	0	0	38	137	112	0	0	66	162	71	0	0	37	115
	111	0	0	93	133										
1700	75	0	0	34	118	95	0	0	56	123	57	0	0	24	95
	93	0	0	76	104										
1800	85	0	0	39	138	113	0	0	66	142	60	0	0	17	95
	111	0	0	96	127										
1900	52	0	0	23	111	68	0	0	38	119	51	0	0	16	89
	105	0	0	84	124										
2000	51	0	0	22	97	73	0	0	34	115	33	0	0	15	60
	99	0	0	76	113										
2100	29	0	0	12	55	49	0	0	23	79	12	0	0	4	23
	66	0	0	52	83										
2200	18	0	0	14	24	28	0	0	24	31	4	0	0	4	13
	21	0	0	13	33										
2300	17	0	0	13	24	36	0	0	33	40	4	0	0	4	5
	22	0	0	14	31										
2400	26	0	0	20	32	61	0	0	57	66	22	0	0	4	32
	31	0	0	24	38										

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METEOROLOGICAL DATA--CK--FOR APRIL 7, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	304	0	18	256	362	317	0	6	300	333	305	0	13	273	341
	340	0	6	327	357										
200	339	0	12	291	368	332	0	4	323	345	339	0	12	282	362
	6	0	14	335	416										
300	342	0	11	311	380	344	0	7	326	365	345	0	10	322	375
	3	0	6	348	383										
400	23	0	13	346	419	19	0	10	360	402	24	0	18	333	445
	41	0	29	330	489										
500	270	0	22	219	336	272	0	16	243	317	274	0	16	240	315
	276	0	28	243	353										
600	352	0	13	309	392	354	0	4	338	365	349	0	18	301	387
	10	0	10	356	420										
700	350	0	13	321	394	351	0	7	332	376	348	0	15	298	397
	358	0	3	348	368										
800	4	0	8	337	389	0	0	3	348	375	13	0	9	347	403
	27	0	17	338	477										
900	324	0	18	266	366	329	0	8	299	351	323	0	10	287	350
	343	0	8	324	363										
1000	356	0	17	285	398	354	0	7	333	376	0	0	25	281	416
	4	0	7	347	383										
1100	310	0	19	231	363	312	0	10	289	344	314	0	24	260	380
	345	0	4	335	359										
1200	341	0	19	284	416	340	0	8	321	365	355	0	20	283	395
	350	0	5	335	362										
1300	344	0	13	301	372	344	0	8	325	368	344	0	17	301	395
	346	0	5	335	359										
1400	345	0	17	291	390	338	0	11	308	371	353	0	10	317	377
	358	0	5	347	371										
1500	351	0	14	294	392	344	0	7	324	362	346	0	13	266	383
	354	0	4	342	362										
1600	358	0	13	314	411	351	0	7	333	377	341	0	13	292	386
	357	0	4	347	368										
1700	349	0	16	276	388	342	0	9	302	372	347	0	12	303	394
	355	0	4	342	364										
1800	356	0	18	268	405	346	0	12	319	374	331	0	15	256	422
	354	0	4	342	365										
1900	353	0	17	297	405	355	0	10	330	388	354	0	14	304	387
	2	0	4	352	371										
2000	355	0	12	311	394	352	0	8	323	378	350	0	18	294	405
	1	0	5	350	372										
2100	346	0	19	255	393	355	0	8	322	392	332	0	17	264	367
	1	0	4	346	371										
2200	323	0	10	306	347	355	0	8	335	375	349	0	15	310	380
	32	0	23	310	459										
2300	26	0	24	340	424	13	0	5	362	384	46	0	29	348	442
	63	0	35	370	484										
2400	80	0	3	429	449	61	0	2	416	424	84	0	4	426	449
	111	0	3	463	483										

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METEOROLOGICAL DATA--CK--FOR APRIL 7, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	346	0	269	0	348	0	342	0	-61	0	-11	0	14	0	14	0	14	0	0	0
200	350	0	267	0	356	0	352	0	-61	0	4	0	14	0	14	0	14	0	0	0
300	364	0	273	0	368	0	367	0	-55	0	-10	0	14	0	14	0	14	0	0	0
400	371	0	270	0	375	0	374	0	-56	0	-10	0	14	0	14	0	14	0	0	0
500	371	0	271	0	378	0	381	0	-55	0	-9	0	14	0	14	0	14	0	0	0
600	361	0	269	0	363	0	362	0	-60	0	-13	0	14	0	14	0	14	0	0	0
700	353	0	249	0	357	0	358	0	-66	0	-11	0	14	0	14	0	14	0	0	0
800	355	0	255	0	352	0	351	0	-69	0	-13	0	14	0	14	0	14	0	0	0
900	354	0	263	0	351	0	353	0	-67	0	-16	0	14	0	14	0	14	0	0	0
1000	356	0	263	0	349	0	351	0	-65	0	-17	0	14	0	14	0	14	0	0	0
1100	372	0	262	0	354	0	360	0	-56	0	-18	0	14	0	14	0	14	0	0	0
1200	368	0	264	0	353	0	361	0	-58	0	-21	0	14	0	14	0	14	0	0	0
1300	365	0	269	0	349	0	357	0	-59	0	-21	0	14	0	14	0	14	0	0	0
1400	372	0	265	0	349	0	358	0	-62	0	-24	0	14	0	14	0	14	0	0	0
1500	377	0	263	0	345	0	357	0	-65	0	-27	0	14	0	14	0	14	0	0	0
1600	373	0	243	0	352	0	367	0	-61	0	-24	0	14	0	14	0	14	0	0	0
1700	378	0	244	0	355	0	368	0	-59	0	-22	0	14	0	14	0	14	0	0	0
1800	367	0	259	0	354	0	365	0	-59	0	-19	0	14	0	14	0	14	0	0	0
1900	370	0	245	0	357	0	366	0	-64	0	-15	0	14	0	14	0	14	0	0	0
2000	356	0	239	0	354	0	360	0	-71	0	-13	0	14	0	14	0	14	0	0	0
2100	349	0	234	0	352	0	355	0	-75	0	-10	0	14	0	14	0	14	0	0	0
2200	341	0	239	0	345	0	343	0	-80	0	-6	0	14	0	14	0	14	0	0	0
2300	337	0	239	0	342	0	336	0	-80	0	0	0	14	0	14	0	14	0	0	0
2400	329	0	232	0	322	0	316	0	-90	0	5	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 8, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	30	0	0	21	38	81	0	0	70	95	31	0	0	18	43
	33	0	0	24	44										
200	28	0	0	19	38	85	0	0	78	93	35	0	0	25	42
	48	0	0	35	63										
300	36	0	0	26	48	87	0	0	81	95	49	0	0	40	56
	56	0	0	40	77										
400	43	0	0	36	51	105	0	0	95	115	47	0	0	37	57
	33	0	0	24	43										
500	40	0	0	28	47	96	0	0	86	109	46	0	0	35	61
	37	0	0	27	49										
600	44	0	0	35	53	100	0	0	90	107	40	0	0	25	53
	35	0	0	25	48										
700	49	0	0	34	55	106	0	0	99	116	38	0	0	21	56
	41	0	0	25	52										
800	45	0	0	39	55	90	0	0	85	96	23	0	0	9	44
	54	0	0	40	71										
900	45	0	0	32	65	67	0	0	47	94	35	0	0	15	56
	57	0	0	40	86										
1000	32	0	0	18	45	30	0	0	14	43	25	0	0	10	40
	23	0	0	5	37										
1100	40	0	0	15	71	46	0	0	15	92	36	0	0	14	64
	30	0	0	20	37										
1200	64	0	0	32	102	97	0	0	68	128	52	0	0	18	111
	91	0	0	63	129										
1300	85	0	0	42	150	115	0	0	57	161	67	0	0	17	123
	116	0	0	103	134										
1400	115	0	0	55	175	170	0	0	111	207	84	0	0	28	148
	143	0	0	122	163										
1500	90	0	0	35	139	130	0	0	85	174	66	0	0	18	124
	111	0	0	92	129										
1600	84	0	0	32	130	111	0	0	69	136	60	0	0	26	95
	78	0	0	67	92										
1700	81	0	0	33	144	129	0	0	83	190	80	0	0	38	126
	120	0	0	103	144										
1800	128	0	0	49	241	222	0	0	135	316	96	0	0	40	193
	231	0	0	186	281										
1900	113	0	0	42	200	182	0	0	51	266	80	0	0	30	163
	215	0	0	174	266										
2000	78	0	0	35	135	122	0	0	79	171	63	0	0	24	120
	144	0	0	123	166										
2100	62	0	0	27	109	99	0	0	50	152	49	0	0	18	99
	146	0	0	107	171										
2200	43	0	0	25	91	89	0	0	52	129	35	0	0	11	75
	108	0	0	89	126										
2300	32	0	0	16	64	85	0	0	54	110	30	0	0	12	53
	97	0	0	75	121										
2400	42	0	0	20	79	102	0	0	66	136	51	0	0	29	81
	101	0	0	83	124										

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METEOROLOGICAL DATA--CK--FOR APRIL 8, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	89	0	8	436	468	75	0	2	432	441	87	0	5	434	465
	107	0	5	446	482										
200	108	0	8	92	132	85	0	2	439	448	106	0	6	454	487
	112	0	5	454	485										
300	115	0	4	104	129	107	0	3	459	474	118	0	5	465	495
	107	0	3	454	479										
400	82	0	4	68	92	94	0	2	450	458	84	0	2	436	451
	108	0	3	452	478										
500	81	0	6	67	96	92	0	2	448	458	83	0	4	433	455
	103	0	5	444	475										
600	72	0	4	62	90	81	0	1	437	443	80	0	4	419	456
	110	0	6	449	487										
700	66	0	4	57	96	79	0	1	435	441	74	0	6	413	449
	109	0	4	452	482										
800	65	0	1	59	69	78	0	2	434	441	73	0	8	396	457
	110	0	4	448	479										
900	69	0	6	48	85	75	0	4	417	446	75	0	13	403	476
	111	0	5	446	486										
1000	42	0	28	16	444	29	0	22	320	421	50	0	35	290	494
	11	0	70	125	519										
1100	350	0	24	266	389	320	0	18	276	372	316	0	19	270	364
	343	0	10	317	370										
1200	339	0	17	261	382	329	0	8	307	353	329	0	17	249	391
	350	0	8	334	371										
1300	344	0	14	280	383	334	0	8	305	360	332	0	13	289	384
	347	0	5	334	358										
1400	349	0	12	300	389	341	0	5	321	360	336	0	13	282	370
	342	0	3	331	351										
1500	342	0	11	304	377	339	0	6	324	371	329	0	13	284	371
	348	0	4	335	359										
1600	351	0	12	269	379	340	0	7	311	366	323	0	14	284	368
	337	0	4	326	348										
1700	311	0	21	251	416	304	0	10	278	328	311	0	11	284	348
	312	0	3	304	324										
1800	339	0	11	286	371	333	0	6	308	349	334	0	12	262	361
	340	0	4	329	349										
1900	348	0	12	318	375	346	0	6	325	372	348	0	12	296	397
	351	0	5	337	362										
2000	351	0	13	291	378	351	0	7	331	374	359	0	16	314	398
	357	0	4	345	368										
2100	359	0	14	314	416	353	0	10	326	393	353	0	14	306	403
	2	0	4	349	377										
2200	342	0	14	294	377	341	0	6	316	359	344	0	12	311	383
	351	0	6	334	365										
2300	318	0	22	250	389	326	0	5	311	346	323	0	12	287	372
	336	0	6	322	350										
2400	296	0	18	233	345	302	0	5	285	317	306	0	10	279	333
	312	0	4	301	325										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 8, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	320	0	234	0	317	0	313	0	-92	0	6	0	14	0	14	0	14	0	0	0
200	321	0	225	0	323	0	323	0	-92	0	7	0	14	0	14	0	14	0	0	0
300	324	0	215	0	329	0	329	0	-96	0	4	0	14	0	14	0	14	0	0	0
400	321	0	209	0	318	0	316	0	-99	0	10	0	14	0	14	0	14	0	0	0
500	320	0	212	0	320	0	320	0	-100	0	5	0	14	0	14	0	14	0	0	0
600	323	0	207	0	322	0	320	0	-101	0	4	0	14	0	14	0	14	0	0	0
700	319	0	205	0	321	0	320	0	-102	0	6	0	14	0	14	0	14	0	0	0
800	316	0	202	0	321	0	323	0	-102	0	6	0	14	0	14	0	14	0	0	0
900	336	0	227	0	341	0	344	0	-87	0	-12	0	14	0	14	0	14	0	0	0
1000	363	0	251	0	367	0	371	0	-67	0	-15	0	14	0	14	0	14	0	0	0
1100	409	0	260	0	376	0	380	0	-49	0	-15	0	14	0	14	0	14	0	0	0
1200	389	0	265	0	360	0	369	0	-62	0	-23	0	14	0	14	0	14	0	0	0
1300	395	0	256	0	365	0	376	0	-64	0	-24	0	14	0	14	0	14	0	0	0
1400	388	0	261	0	366	0	378	0	-57	0	-27	0	14	0	14	0	14	0	0	0
1500	395	0	250	0	365	0	380	0	-62	0	-27	0	14	0	14	0	14	0	0	0
1600	405	0	203	0	369	0	382	0	-55	0	-23	0	14	0	14	0	14	0	0	0
1700	390	0	259	0	366	0	378	0	-55	0	-24	0	14	0	14	0	14	0	0	0
1800	357	0	269	0	353	0	361	0	-53	0	-20	0	14	0	14	0	14	0	0	0
1900	346	0	250	0	345	0	352	0	-66	0	-17	0	14	0	14	0	14	0	0	0
2000	348	0	241	0	348	0	356	0	-70	0	-14	0	14	0	14	0	14	0	0	0
2100	341	0	233	0	346	0	350	0	-79	0	-12	0	14	0	14	0	14	0	0	0
2200	332	0	227	0	342	0	346	0	-82	0	-10	0	14	0	14	0	14	0	0	0
2300	326	0	221	0	339	0	344	0	-87	0	-7	0	14	0	14	0	14	0	0	0
2400	326	0	223	0	339	0	343	0	-84	0	-8	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR APRIL 9, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	57	0	0	16	104	130	0	0	79	197	58	0	0	23	104
	135	0	0	107	164										
200	65	0	0	23	113	148	0	0	101	210	67	0	0	34	124
	165	0	0	116	192										
300	73	0	0	27	139	160	0	0	99	221	64	0	0	28	139
	176	0	0	137	206										
400	65	0	0	23	108	145	0	0	96	198	63	0	0	27	130
	162	0	0	131	198										
500	89	0	0	34	144	182	0	0	109	247	102	0	0	48	195
	193	0	0	153	247										
600	85	0	0	31	177	155	0	0	79	221	108	0	0	58	195
	178	0	0	146	218										
700	136	0	0	52	228	258	0	0	156	363	152	0	0	79	237
	240	0	0	176	305										
800	108	0	0	42	201	204	0	0	122	286	141	0	0	70	220
	220	0	0	165	273										
900	96	0	0	41	163	206	0	0	105	285	108	0	0	46	222
	202	0	0	150	260										
1000	116	0	0	52	196	199	0	0	113	280	127	0	0	67	209
	204	0	0	157	269										
1100	99	0	0	36	198	146	0	0	75	252	129	0	0	37	219
	174	0	0	129	223										
1200	117	0	0	35	196	179	0	0	96	246	135	0	0	70	206
	186	0	0	137	243										
1300	127	0	0	50	237	189	0	0	76	275	125	0	0	48	214
	183	0	0	122	242										
1400	121	0	0	56	215	173	0	0	84	262	118	0	0	42	228
	217	0	0	109	288										
1500	89	0	0	38	183	173	0	0	76	260	128	0	0	59	216
	198	0	0	155	238										
1600	113	0	0	39	192	211	0	0	136	297	135	0	0	69	229
	227	0	0	177	271										
1700	120	0	0	53	235	209	0	0	145	274	133	0	0	63	238
	205	0	0	165	240										
1800	100	0	0	31	189	200	0	0	101	276	148	0	0	64	237
	220	0	0	160	274										
1900	108	0	0	49	208	213	0	0	119	289	101	0	0	37	211
	245	0	0	208	308										
2000	115	0	0	42	235	265	0	0	173	351	116	0	0	59	193
	265	0	0	207	319										
2100	130	0	0	55	233	231	0	0	106	332	92	0	0	32	191
	263	0	0	191	317										
2200	107	0	0	31	224	241	0	0	134	355	121	0	0	60	216
	279	0	0	211	358										
2300	106	0	0	38	201	243	0	0	140	330	104	0	0	41	202
	259	0	0	203	316										
2400	110	0	0	36	241	246	0	0	140	341	108	0	0	43	196
	261	0	0	208	316										

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METEOROLOGICAL DATA--CK--FOR APRIL 9, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	307	0	21	177	469	308	0	7	288	326	313	0	12	281	344
	321	0	5	311	339										
200	319	0	19	237	366	319	0	7	300	340	321	0	10	292	364
	326	0	8	307	342										
300	322	0	16	244	387	322	0	6	303	339	325	0	10	294	360
	330	0	5	314	341										
400	325	0	20	103	381	320	0	6	295	337	324	0	10	268	351
	327	0	6	313	340										
500	299	0	16	251	388	301	0	6	276	318	305	0	12	264	344
	304	0	6	290	320										
600	285	0	15	176	327	287	0	7	266	309	289	0	16	243	329
	291	0	6	267	305										
700	284	0	14	235	319	287	0	7	266	308	296	0	9	272	327
	297	0	5	279	311										
800	280	0	14	234	319	282	0	7	267	309	289	0	12	262	327
	289	0	5	275	304										
900	296	0	15	253	369	297	0	6	275	316	303	0	12	278	343
	306	0	4	296	319										
1000	284	0	18	243	348	286	0	10	256	310	284	0	14	245	342
	291	0	10	263	314										
1100	274	0	18	220	346	279	0	13	245	316	278	0	12	250	324
	279	0	6	265	299										
1200	261	0	16	210	313	263	0	11	235	287	270	0	13	237	305
	258	0	11	234	280										
1300	242	0	15	206	297	238	0	12	192	268	255	0	15	188	293
	240	0	8	222	264										
1400	223	0	14	193	273	225	0	10	193	259	233	0	14	172	278
	220	0	4	197	229										
1500	292	0	19	241	354	292	0	10	255	321	294	0	12	261	330
	296	0	6	280	314										
1600	289	0	16	230	363	292	0	8	272	314	300	0	12	264	334
	296	0	5	279	309										
1700	287	0	19	237	342	288	0	8	261	313	293	0	12	258	336
	293	0	6	282	311										
1800	289	0	16	207	351	292	0	8	261	317	290	0	13	255	333
	298	0	6	274	312										
1900	333	0	16	210	372	328	0	7	311	349	331	0	9	284	368
	334	0	5	320	348										
2000	310	0	15	251	359	307	0	6	289	324	312	0	10	287	344
	311	0	6	294	326										
2100	341	0	12	254	378	336	0	6	317	362	338	0	12	280	368
	340	0	5	327	352										
2200	317	0	17	243	397	316	0	7	274	335	322	0	10	289	352
	326	0	4	315	337										
2300	324	0	16	261	390	320	0	6	302	343	325	0	11	277	366
	329	0	8	307	348										
2400	328	0	17	262	416	323	0	5	307	341	329	0	10	297	376
	329	0	4	318	340										

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METEOROLOGICAL DATA--CK--FOR APRIL 9, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	335	0	205	0	347	0	354	0	-88	0	-7	0	14	0	14	0	14	0	0	0
200	337	0	168	0	350	0	357	0	-104	0	-7	0	14	0	14	0	14	0	0	0
300	325	0	123	0	339	0	347	0	-116	0	-7	0	14	0	14	0	14	0	0	0
400	316	0	124	0	330	0	338	0	-120	0	-7	0	14	0	14	0	14	0	0	0
500	318	0	113	0	327	0	337	0	-120	0	-10	0	14	0	14	0	14	0	0	0
600	309	0	112	0	317	0	326	0	-126	0	-12	0	14	0	14	0	14	0	0	0
700	289	0	117	0	298	0	309	0	-131	0	-13	0	14	0	14	0	14	0	0	0
800	286	0	87	0	294	0	305	0	-139	0	-12	0	14	0	14	0	14	0	0	0
900	262	0	154	0	272	0	282	0	-130	0	-13	0	14	0	14	0	14	0	0	0
1000	297	0	82	0	287	0	297	0	-149	0	-22	0	14	0	14	0	14	0	0	0
1100	294	0	103	0	285	0	294	0	-143	0	-23	0	14	0	14	0	14	0	0	0
1200	290	0	83	0	282	0	295	0	-147	0	-22	0	14	0	14	0	14	0	0	0
1300	286	0	122	0	286	0	300	0	-133	0	-19	0	14	0	14	0	14	0	0	0
1400	318	0	186	0	311	0	329	0	-100	0	-24	0	14	0	14	0	14	0	0	0
1500	291	0	196	0	286	0	285	0	-107	0	-21	0	14	0	14	0	14	0	0	0
1600	321	0	161	0	307	0	315	0	-113	0	-26	0	14	0	14	0	14	0	0	0
1700	324	0	133	0	313	0	324	0	-117	0	-25	0	14	0	14	0	14	0	0	0
1800	317	0	132	0	311	0	323	0	-119	0	-19	0	14	0	14	0	14	0	0	0
1900	282	0	166	0	285	0	296	0	-114	0	-17	0	14	0	14	0	14	0	0	0
2000	272	0	113	0	277	0	279	0	-128	0	-12	0	14	0	14	0	14	0	0	0
2100	266	0	120	0	277	0	286	0	-132	0	-13	0	14	0	14	0	14	0	0	0
2200	273	0	55	0	284	0	295	0	-152	0	-9	0	14	0	14	0	14	0	0	0
2300	267	0	38	0	283	0	294	0	-155	0	-9	0	14	0	14	0	14	0	0	0
2400	260	0	58	0	278	0	288	0	-154	0	-8	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 10, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	98	0	0	34	208	215	0	0	126	288	108	0	0	49	211
	249	0	0	190	296										
200	93	0	0	32	211	183	0	0	96	292	83	0	0	34	160
	219	0	0	173	279										
300	77	0	0	30	152	161	0	0	115	216	70	0	0	25	160
	194	0	0	151	251										
400	79	0	0	27	140	161	0	0	117	204	80	0	0	25	161
	171	0	0	123	225										
500	60	0	0	20	137	129	0	0	92	200	75	0	0	38	158
	160	0	0	113	235										
600	65	0	0	20	120	136	0	0	63	214	77	0	0	36	151
	151	0	0	111	200										
700	84	0	0	23	162	170	0	0	106	216	91	0	0	47	170
	155	0	0	111	198										
800	67	0	0	23	128	140	0	0	69	211	77	0	0	46	128
	142	0	0	107	186										
900	71	0	0	31	137	140	0	0	94	186	57	0	0	27	102
	145	0	0	112	193										
1000	75	0	0	33	135	140	0	0	93	177	71	0	0	35	120
	144	0	0	108	190										
1100	91	0	0	42	147	151	0	0	83	213	89	0	0	37	154
	148	0	0	100	189										
1200	69	0	0	28	124	118	0	0	59	172	88	0	0	31	160
	120	0	0	95	150										
1300	85	0	0	27	144	139	0	0	55	196	107	0	0	59	161
	138	0	0	100	197										
1400	84	0	0	26	136	139	0	0	58	204	100	0	0	33	157
	134	0	0	99	168										
1500	67	0	0	22	119	95	0	0	38	143	64	0	0	27	116
	82	0	0	58	103										
1600	61	0	0	21	129	88	0	0	39	149	70	0	0	12	107
	70	0	0	49	91										
1700	52	0	0	26	94	70	0	0	12	108	57	0	0	10	92
	58	0	0	34	87										
1800	38	0	0	11	82	44	0	0	12	80	32	0	0	9	55
	37	0	0	17	53										
1900	43	0	0	16	75	54	0	0	30	85	42	0	0	16	88
	32	0	0	15	49										
2000	30	0	0	16	45	41	0	0	25	54	23	0	0	5	44
	35	0	0	19	52										
2100	33	0	0	19	53	58	0	0	42	73	33	0	0	20	57
	60	0	0	40	82										
2200	25	0	0	14	37	43	0	0	27	67	20	0	0	11	34
	49	0	0	27	72										
2300	27	0	0	22	34	46	0	0	33	55	21	0	0	8	33
	43	0	0	29	71										
2400	28	0	0	24	33	42	0	0	37	47	26	0	0	13	36
	28	0	0	10	45										

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METEOROLOGICAL DATA--CK--FOR APRIL 10, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	316	0	19	253	367	318	0	6	302	334	319	0	10	292	347
	323	0	6	305	338										
200	332	0	16	216	381	329	0	7	301	347	332	0	12	300	373
	327	0	6	312	344										
300	330	0	19	224	382	324	0	7	302	349	326	0	10	287	360
	322	0	7	306	345										
400	309	0	24	209	390	310	0	10	277	337	311	0	17	276	382
	317	0	6	302	332										
500	307	0	28	172	436	309	0	13	279	347	308	0	11	280	344
	306	0	9	276	323										
600	299	0	20	215	366	306	0	11	269	344	305	0	11	277	339
	303	0	8	281	323										
700	285	0	16	232	402	292	0	5	277	305	304	0	13	266	339
	310	0	7	291	324										
800	295	0	16	238	338	297	0	6	266	314	304	0	13	268	342
	296	0	8	273	318										
900	310	0	17	230	352	309	0	7	287	330	317	0	13	284	346
	309	0	6	292	325										
1000	303	0	19	241	382	306	0	9	278	328	317	0	12	285	354
	311	0	4	301	324										
1100	289	0	18	244	354	292	0	9	266	322	295	0	11	266	324
	299	0	7	282	316										
1200	300	0	22	216	369	293	0	9	253	330	293	0	18	259	353
	295	0	6	276	314										
1300	279	0	22	228	328	280	0	9	239	308	282	0	15	249	328
	282	0	7	262	308										
1400	296	0	17	215	353	291	0	13	259	321	285	0	18	238	333
	288	0	6	271	303										
1500	294	0	28	204	362	290	0	17	249	328	307	0	22	251	362
	303	0	6	287	319										
1600	278	0	33	217	373	280	0	21	230	331	275	0	27	172	337
	276	0	11	244	301										
1700	281	0	31	193	350	284	0	21	227	347	300	0	22	233	377
	290	0	14	254	324										
1800	294	0	35	168	452	302	0	22	218	337	305	0	30	184	378
	328	0	11	303	365										
1900	290	0	25	224	392	283	0	14	238	333	286	0	23	240	345
	264	0	16	211	288										
2000	270	0	19	228	348	282	0	9	244	302	300	0	23	252	391
	287	0	15	245	315										
2100	273	0	14	232	319	273	0	5	257	291	276	0	14	237	319
	264	0	6	248	281										
2200	252	0	15	208	289	260	0	9	227	281	269	0	18	191	314
	256	0	13	223	285										
2300	226	0	17	202	267	234	0	8	212	250	231	0	20	193	326
	231	0	11	197	259										
2400	166	0	3	157	174	187	0	2	180	195	163	0	5	140	174
	131	0	10	105	186										

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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 10, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	261	0	34	0	277	0	289	0	-159	0	-8	0	14	0	14	0	14	0	0	0
200	262	0	40	0	280	0	290	0	-156	0	-9	0	14	0	14	0	14	0	0	0
300	262	0	19	0	277	0	288	0	-162	0	-7	0	14	0	14	0	14	0	0	0
400	262	0	30	0	276	0	286	0	-166	0	-8	0	14	0	14	0	14	0	0	0
500	262	0	40	0	274	0	283	0	-165	0	-9	0	14	0	14	0	14	0	0	0
600	259	0	25	0	276	0	286	0	-165	0	-5	0	14	0	14	0	14	0	0	0
700	261	0	42	0	273	0	283	0	-166	0	-9	0	14	0	14	0	14	0	0	0
800	267	0	55	0	275	0	284	0	-161	0	-11	0	14	0	14	0	14	0	0	0
900	275	0	78	0	280	0	289	0	-150	0	-14	0	14	0	14	0	14	0	0	0
1000	293	0	100	0	285	0	294	0	-148	0	-20	0	14	0	14	0	14	0	0	0
1100	294	0	125	0	283	0	293	0	-139	0	-20	0	14	0	14	0	14	0	0	0
1200	313	0	127	0	291	0	300	0	-137	0	-26	0	14	0	14	0	14	0	0	0
1300	316	0	124	0	301	0	309	0	-131	0	-25	0	14	0	14	0	14	0	0	0
1400	322	0	135	0	305	0	313	0	-128	0	-25	0	14	0	14	0	14	0	0	0
1500	327	0	129	0	306	0	316	0	-127	0	-22	0	14	0	14	0	14	0	0	0
1600	334	0	136	0	320	0	327	0	-111	0	-24	0	14	0	14	0	14	0	0	0
1700	333	0	143	0	320	0	327	0	-111	0	-21	0	14	0	14	0	14	0	0	0
1800	329	0	140	0	317	0	324	0	-118	0	-15	0	14	0	14	0	14	0	0	0
1900	337	0	129	0	324	0	330	0	-115	0	-16	0	14	0	14	0	14	0	0	0
2000	325	0	131	0	325	0	331	0	-124	0	-13	0	14	0	14	0	14	0	0	0
2100	325	0	142	0	329	0	335	0	-120	0	-11	0	14	0	14	0	14	0	0	0
2200	318	0	155	0	324	0	330	0	-118	0	-9	0	14	0	14	0	14	0	0	0
2300	315	0	161	0	326	0	330	0	-114	0	-6	0	14	0	14	0	14	0	0	0
2400	314	0	168	0	318	0	321	0	-119	0	-4	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 11, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	33	0	0	23	46	66	0	0	56	71	19	0	0	4	33
	28	0	0	15	49										
200	40	0	0	22	56	52	0	0	26	66	40	0	0	24	57
	36	0	0	21	55										
300	37	0	0	31	43	80	0	0	69	90	29	0	0	14	48
	44	0	0	24	66										
400	51	0	0	34	75	106	0	0	95	119	41	0	0	20	63
	38	0	0	22	64										
500	57	0	0	39	77	102	0	0	71	122	36	0	0	11	65
	35	0	0	19	55										
600	58	0	0	41	76	104	0	0	87	121	36	0	0	17	63
	44	0	0	25	77										
700	36	0	0	20	61	90	0	0	54	109	32	0	0	12	61
	45	0	0	20	83										
800	47	0	0	35	63	103	0	0	93	117	34	0	0	18	54
	51	0	0	24	89										
900	59	0	0	31	84	84	0	0	56	106	44	0	0	11	70
	69	0	0	31	120										
1000	70	0	0	35	114	97	0	0	43	130	73	0	0	32	126
	114	0	0	71	150										
1100	85	0	0	43	137	117	0	0	68	167	82	0	0	30	135
	125	0	0	102	146										
1200	109	0	0	48	173	157	0	0	92	196	101	0	0	45	157
	138	0	0	118	165										
1300	90	0	0	41	180	113	0	0	64	188	87	0	0	26	148
	93	0	0	77	118										
1400	109	0	0	49	160	142	0	0	91	204	94	0	0	30	152
	88	0	0	68	107										
1500	104	0	0	58	159	139	0	0	77	198	102	0	0	48	168
	78	0	0	58	97										
1600	88	0	0	49	157	113	0	0	61	168	84	0	0	37	124
	82	0	0	60	95										
1700	80	0	0	37	132	97	0	0	36	158	79	0	0	24	152
	77	0	0	52	104										
1800	91	0	0	49	152	114	0	0	61	171	96	0	0	40	166
	89	0	0	63	111										
1900	95	0	0	50	179	146	0	0	82	214	86	0	0	32	156
	125	0	0	105	154										
2000	102	0	0	57	164	138	0	0	80	192	67	0	0	21	130
	69	0	0	23	125										
2100	96	0	0	51	138	152	0	0	111	204	75	0	0	26	125
	52	0	0	21	104										
2200	86	0	0	45	144	133	0	0	86	179	77	0	0	22	150
	81	0	0	34	205										
2300	102	0	0	51	160	149	0	0	84	240	87	0	0	35	158
	145	0	0	53	296										
2400	120	0	0	59	214	200	0	0	103	280	119	0	0	51	220
	231	0	0	150	326										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 11, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	165	0	7	148	194	183	0	2	176	188	162	0	14	114	197
	147	0	25	98	510										
200	93	0	20	60	143	124	0	16	85	151	101	0	20	72	145
	115	0	7	91	136										
300	162	0	3	148	171	171	0	2	165	176	161	0	6	140	177
	130	0	7	109	163										
400	175	0	4	153	191	191	0	3	184	198	178	0	8	145	204
	139	0	20	110	229										
500	183	0	4	166	197	192	0	2	186	201	184	0	12	139	237
	141	0	24	99	528										
600	181	0	4	168	194	195	0	2	188	202	186	0	11	158	233
	165	0	27	113	231										
700	184	0	10	159	221	198	0	3	190	209	192	0	20	120	271
	172	0	27	115	276										
800	187	0	4	170	200	209	0	4	197	220	190	0	9	167	219
	188	0	21	112	241										
900	200	0	9	171	224	211	0	6	191	234	198	0	14	153	251
	201	0	16	126	275										
1000	224	0	15	196	263	226	0	9	202	254	232	0	16	176	277
	218	0	5	183	230										
1100	244	0	15	175	286	239	0	10	202	276	254	0	15	203	293
	230	0	3	221	239										
1200	242	0	13	201	273	239	0	7	209	260	254	0	9	212	276
	231	0	4	218	242										
1300	239	0	21	198	305	239	0	12	206	285	247	0	16	151	292
	237	0	4	227	247										
1400	240	0	16	204	290	237	0	9	210	261	249	0	15	184	286
	236	0	4	225	246										
1500	236	0	17	195	282	234	0	10	215	268	247	0	14	209	300
	220	0	4	206	232										
1600	231	0	20	193	288	235	0	12	192	262	249	0	16	190	290
	217	0	4	201	227										
1700	218	0	15	184	287	224	0	12	190	260	233	0	16	161	279
	212	0	5	189	233										
1800	236	0	18	195	285	236	0	12	214	281	242	0	13	182	285
	219	0	3	210	235										
1900	229	0	14	192	266	232	0	8	208	257	240	0	13	179	275
	225	0	4	214	236										
2000	202	0	10	175	229	201	0	7	181	219	207	0	16	163	257
	190	0	20	97	251										
2100	182	0	6	167	200	183	0	4	172	194	185	0	10	151	232
	158	0	34	97	505										
2200	207	0	11	169	241	202	0	9	182	228	214	0	16	163	267
	184	0	26	107	465										
2300	205	0	11	180	243	210	0	10	186	246	217	0	15	176	258
	211	0	12	133	241										
2400	232	0	13	198	272	234	0	7	217	254	243	0	11	204	282
	238	0	5	219	253										

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METEOROLOGICAL DATA--CK--FOR APRIL 11, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	309	0	177	0	320	0	320	0	-119	0	0	0	14	0	14	0	14	0	0	0
200	306	0	175	0	308	0	309	0	-121	0	-5	0	14	0	14	0	14	0	0	0
300	296	0	160	0	301	0	296	0	-125	0	0	0	14	0	14	0	14	0	0	0
400	288	0	157	0	306	0	305	0	-123	0	5	0	14	0	14	0	14	0	0	0
500	291	0	171	0	302	0	303	0	-121	0	0	0	14	0	14	0	14	0	0	0
600	285	0	173	0	302	0	300	0	-120	0	5	0	14	0	14	0	14	0	0	0
700	283	0	170	0	308	0	305	0	-118	0	1	0	14	0	14	0	14	0	0	0
800	281	0	167	0	308	0	306	0	-117	0	8	0	14	0	14	0	14	0	0	0
900	327	0	186	0	334	0	337	0	-100	0	-12	0	14	0	14	0	14	0	0	0
1000	361	0	185	0	349	0	356	0	-93	0	-19	0	14	0	14	0	14	0	0	0
1100	377	0	183	0	360	0	369	0	-83	0	-20	0	14	0	14	0	14	0	0	0
1200	386	0	180	0	371	0	384	0	-79	0	-23	0	14	0	14	0	14	0	0	0
1300	401	0	156	0	378	0	392	0	-81	0	-20	0	14	0	14	0	14	0	0	0
1400	416	0	169	0	389	0	404	0	-72	0	-23	0	14	0	14	0	14	0	0	0
1500	436	0	167	0	408	0	423	0	-60	0	-23	0	14	0	14	0	14	0	0	0
1600	452	0	179	0	421	0	433	0	-49	0	-23	0	14	0	14	0	14	0	0	0
1700	458	0	163	0	446	0	460	0	-41	0	-18	0	14	0	14	0	14	0	0	0
1800	465	0	148	0	440	0	450	0	-38	0	-19	0	14	0	14	0	14	0	0	0
1900	446	0	216	0	429	0	439	0	-40	0	-15	0	14	0	14	0	14	0	0	0
2000	432	0	222	0	435	0	440	0	-44	0	-8	0	14	0	14	0	14	0	0	0
2100	428	0	227	0	439	0	442	0	-49	0	-8	0	14	0	14	0	14	0	0	0
2200	426	0	233	0	440	0	443	0	-48	0	-7	0	14	0	14	0	14	0	0	0
2300	441	0	229	0	437	0	440	0	-39	0	-9	0	14	0	14	0	14	0	0	0
2400	427	0	257	0	426	0	427	0	-38	0	-9	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR APRIL 12, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	168	0	0	86	250	254	0	0	135	380	136	0	0	41	259
	194	0	0	82	342										
200	141	0	0	59	243	209	0	0	109	331	106	0	0	24	219
	102	0	0	44	193										
300	95	0	0	55	167	139	0	0	75	236	72	0	0	25	166
	84	0	0	39	133										
400	77	0	0	48	125	117	0	0	69	165	67	0	0	26	116
	66	0	0	38	118										
500	129	0	0	56	219	206	0	0	134	300	117	0	0	61	213
	166	0	0	93	251										
600	89	0	0	47	162	155	0	0	88	220	84	0	0	38	144
	150	0	0	126	173										
700	147	0	0	83	232	222	0	0	139	316	127	0	0	56	204
	190	0	0	111	273										
800	107	0	0	52	177	159	0	0	78	250	96	0	0	43	157
	117	0	0	48	196										
900	58	0	0	31	95	110	0	0	67	142	61	0	0	29	114
	92	0	0	78	110										
1000	44	0	0	18	72	71	0	0	39	109	45	0	0	24	79
	78	0	0	50	118										
1100	48	0	0	27	79	73	0	0	37	110	49	0	0	27	79
	31	0	0	19	47										
1200	37	0	0	13	73	55	0	0	22	79	44	0	0	8	81
	35	0	0	22	47										
1300	70	0	0	37	135	101	0	0	40	145	67	0	0	28	117
	52	0	0	36	66										
1400	76	0	0	24	130	109	0	0	31	156	60	0	0	26	127
	60	0	0	45	75										
1500	72	0	0	34	121	107	0	0	53	151	73	0	0	35	128
	95	0	0	76	116										
1600	97	0	0	52	155	131	0	0	71	173	62	0	0	27	129
	117	0	0	101	141										
1700	94	0	0	41	148	125	0	0	52	171	71	0	0	38	118
	134	0	0	108	166										
1800	115	0	0	60	206	140	0	0	88	205	92	0	0	35	152
	176	0	0	126	213										
1900	92	0	0	32	154	121	0	0	71	207	86	0	0	29	144
	135	0	0	82	166										
2000	73	0	0	32	109	98	0	0	54	142	59	0	0	18	106
	113	0	0	57	151										
2100	47	0	0	24	81	79	0	0	50	101	39	0	0	20	64
	41	0	0	17	79										
2200	25	0	0	15	37	64	0	0	54	79	13	0	0	4	35
	34	0	0	19	63										
2300	31	0	0	26	37	25	0	0	18	37	9	0	0	3	23
	26	0	0	19	32										
2400	24	0	0	15	50	63	0	0	44	97	24	0	0	10	48
	49	0	0	14	66										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 12, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	218	0	11	193	262	218	0	7	191	238	228	0	13	183	264
	211	0	7	173	261										
200	207	0	10	146	247	207	0	8	186	235	215	0	13	168	262
	189	0	19	122	273										
300	203	0	9	173	236	205	0	8	183	231	214	0	15	156	263
	192	0	19	138	306										
400	194	0	11	162	231	199	0	7	177	222	199	0	14	154	245
	182	0	20	121	241										
500	220	0	10	190	251	222	0	7	203	242	229	0	12	182	279
	216	0	4	187	227										
600	225	0	14	187	268	229	0	6	213	251	238	0	12	192	283
	230	0	4	217	237										
700	219	0	10	194	258	221	0	6	202	239	228	0	11	184	266
	215	0	4	188	224										
800	211	0	12	179	249	215	0	9	186	235	223	0	14	176	263
	209	0	9	157	228										
900	250	0	13	199	287	242	0	8	219	275	258	0	12	220	293
	254	0	4	241	263										
1000	294	0	22	246	361	285	0	16	241	321	302	0	20	239	353
	295	0	26	252	354										
1100	261	0	11	225	312	263	0	12	226	299	278	0	14	234	326
	301	0	20	262	359										
1200	284	0	18	232	334	276	0	12	245	318	292	0	16	255	346
	310	0	8	291	335										
1300	295	0	21	200	365	296	0	10	250	345	291	0	26	230	368
	323	0	6	307	337										
1400	295	0	21	241	353	298	0	12	249	362	318	0	18	265	368
	298	0	6	279	316										
1500	322	0	23	229	387	308	0	13	263	345	315	0	12	282	358
	316	0	6	298	330										
1600	354	0	15	299	398	349	0	9	325	372	352	0	14	310	399
	356	0	4	342	364										
1700	3	0	18	291	401	355	0	10	325	385	351	0	16	295	399
	5	0	3	353	374										
1800	2	0	15	306	398	358	0	8	326	388	359	0	13	295	393
	7	0	3	361	380										
1900	1	0	14	329	397	1	0	9	340	393	5	0	13	277	403
	10	0	4	363	391										
2000	8	0	13	330	404	6	0	8	340	394	13	0	15	280	430
	9	0	5	360	398										
2100	15	0	7	353	397	10	0	4	358	384	20	0	10	349	412
	43	0	22	37	476										
2200	17	0	6	358	395	6	0	2	360	375	18	0	15	343	416
	49	0	23	295	471										
2300	175	0	7	162	185	24	0	9	357	407	167	0	19	99	193
	106	0	10	420	484										
2400	313	0	20	261	389	330	0	7	310	349	319	0	37	22	373
	312	0	10	263	363										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR APRIL 12, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	415	0	262	0	411	0	413	0	-43	0	-9	0	14	0	14	0	14	0	0	0
200	413	0	249	0	417	0	419	0	-50	0	-9	0	14	0	14	0	14	0	0	0
300	419	0	221	0	425	0	427	0	-52	0	-8	0	14	0	14	0	14	0	0	0
400	412	0	225	0	420	0	422	0	-54	0	-7	0	14	0	14	0	14	0	0	0
500	427	0	228	0	423	0	424	0	-47	0	-8	0	14	0	14	0	14	0	0	0
600	408	0	258	0	405	0	407	0	-45	0	-8	0	14	0	14	0	14	0	0	0
700	413	0	261	0	411	0	413	0	-44	0	-10	0	14	0	14	0	14	0	0	0
800	413	0	265	0	412	0	415	0	-44	0	-10	0	14	0	14	0	14	0	0	0
900	408	0	276	0	397	0	400	0	-42	0	-11	0	14	0	14	0	14	0	0	0
1000	383	0	281	0	379	0	382	0	-53	0	-15	0	14	0	14	0	14	0	0	0
1100	390	0	279	0	377	0	380	0	-51	0	-15	0	14	0	14	0	14	0	0	0
1200	392	0	284	0	375	0	380	0	-51	0	-16	0	14	0	14	0	14	0	0	0
1300	413	0	290	0	378	0	385	0	-41	0	-25	0	14	0	14	0	14	0	0	0
1400	414	0	276	0	383	0	389	0	-45	0	-24	0	14	0	14	0	14	0	0	0
1500	406	0	285	0	379	0	389	0	-45	0	-24	0	14	0	14	0	14	0	0	0
1600	399	0	268	0	375	0	392	0	-43	0	-25	0	14	0	14	0	14	0	0	0
1700	396	0	243	0	371	0	386	0	-54	0	-22	0	14	0	14	0	14	0	0	0
1800	386	0	219	0	370	0	386	0	-67	0	-18	0	14	0	14	0	14	0	0	0
1900	388	0	185	0	379	0	388	0	-73	0	-15	0	14	0	14	0	14	0	0	0
2000	374	0	172	0	375	0	381	0	-86	0	-12	0	14	0	14	0	14	0	0	0
2100	363	0	171	0	366	0	366	0	-99	0	-5	0	14	0	14	0	14	0	0	0
2200	357	0	169	0	366	0	362	0	-100	0	0	0	14	0	14	0	14	0	0	0
2300	337	0	169	0	355	0	326	0	-106	0	19	0	14	0	14	0	14	0	0	0
2400	344	0	172	0	370	0	370	0	-92	0	15	0	14	0	14	0	14	0	0	0

DATA CODES
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METEOROLOGICAL DATA--CK--FOR APRIL 13, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	25	0	0	18	38	62	0	0	51	73	25	0	0	18	35
	62	0	0	49	74										
200	26	0	0	15	43	90	0	0	72	110	33	0	0	20	54
	91	0	0	80	105										
300	24	0	0	13	44	83	0	0	67	106	32	0	0	19	68
	87	0	0	72	105										
400	38	0	0	26	63	81	0	0	55	104	21	0	0	12	53
	97	0	0	80	116										
500	9	0	0	6	14	58	0	0	45	68	6	0	0	3	22
	33	0	0	17	60										
600	13	0	0	9	14	41	0	0	37	48	4	0	0	3	13
	33	0	0	20	48										
700	23	0	0	17	29	41	0	0	36	49	4	0	0	3	4
	25	0	0	14	42										
800	26	0	0	20	31	37	0	0	34	42	21	0	0	14	27
	10	0	0	5	19										
900	27	0	0	16	43	41	0	0	30	54	20	0	0	10	37
	44	0	0	32	57										
1000	29	0	0	9	57	32	0	0	5	53	28	0	0	4	59
	34	0	0	23	45										
1100	37	0	0	10	68	44	0	0	19	82	39	0	0	14	64
	39	0	0	27	52										
1200	67	0	0	26	109	79	0	0	54	117	66	0	0	31	100
	58	0	0	46	68										
1300	72	0	0	37	107	97	0	0	58	132	81	0	0	47	109
	54	0	0	44	62										
1400	91	0	0	49	135	111	0	0	76	137	92	0	0	55	129
	53	0	0	44	63										
1500	83	0	0	42	124	96	0	0	50	131	85	0	0	41	131
	55	0	0	45	68										
1600	59	0	0	29	95	75	0	0	47	103	53	0	0	18	87
	41	0	0	28	51										
1700	45	0	0	15	81	56	0	0	8	86	50	0	0	26	84
	49	0	0	40	60										
1800	52	0	0	16	91	53	0	0	8	93	47	0	0	4	95
	23	0	0	13	35										
1900	36	0	0	21	56	37	0	0	14	53	28	0	0	4	49
	36	0	0	29	43										
2000	35	0	0	24	46	50	0	0	41	60	24	0	0	12	46
	39	0	0	25	56										
2100	37	0	0	25	49	83	0	0	72	100	41	0	0	20	69
	52	0	0	30	73										
2200	48	0	0	35	71	132	0	0	114	150	40	0	0	20	70
	47	0	0	23	73										
2300	70	0	0	51	92	147	0	0	117	167	47	0	0	18	82
	53	0	0	25	89										
2400	71	0	0	49	95	163	0	0	141	190	59	0	0	30	101
	63	0	0	36	96										

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METEOROLOGICAL DATA--CK--FOR APRIL 13, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	288	0	6	269	304	297	0	3	289	308	289	0	10	261	307
	294	0	5	282	310										
200	293	0	16	253	358	305	0	3	296	314	301	0	7	288	326
	304	0	4	295	316										
300	304	0	24	211	376	316	0	4	304	330	308	0	13	272	349
	313	0	4	304	324										
400	355	0	8	329	378	351	0	6	338	364	358	0	11	319	379
	349	0	4	337	361										
500	49	0	76	48	345	0	0	3	352	367	82	0	31	362	506
	46	0	21	367	465										
600	227	0	18	187	249	352	0	2	347	361	219	0	14	183	241
	43	0	15	374	475										
700	189	0	6	179	203	342	0	3	334	349	203	0	11	175	220
	55	0	29	346	481										
800	215	0	2	209	219	320	0	7	311	333	214	0	4	203	228
	76	0	35	335	487										
900	313	0	20	247	358	300	0	6	274	311	316	0	15	279	341
	304	0	9	286	326										
1000	263	0	31	54	443	285	0	37	186	379	329	0	36	251	397
	297	0	8	276	318										
1100	320	0	28	226	400	298	0	18	159	356	282	0	31	221	371
	273	0	9	254	297										
1200	267	0	18	226	312	269	0	10	241	305	286	0	15	243	334
	268	0	6	248	283										
1300	276	0	19	213	341	273	0	8	249	296	276	0	14	228	318
	278	0	4	263	288										
1400	273	0	13	238	316	268	0	7	245	303	282	0	14	233	325
	286	0	5	272	300										
1500	259	0	19	216	314	265	0	12	219	298	288	0	16	243	332
	296	0	4	286	308										
1600	314	0	20	245	354	306	0	12	270	343	311	0	24	246	365
	347	0	6	325	364										
1700	292	0	39	120	451	296	0	18	259	423	307	0	25	240	361
	1	0	4	346	377										
1800	252	0	29	167	322	250	0	21	187	316	269	0	24	82	399
	319	0	16	262	355										
1900	214	0	16	171	250	214	0	21	162	258	227	0	38	131	293
	231	0	4	217	246										
2000	152	0	7	137	170	155	0	4	146	168	151	0	10	126	172
	128	0	7	106	148										
2100	133	0	5	116	146	137	0	2	133	143	138	0	4	125	161
	127	0	5	108	147										
2200	168	0	4	156	181	175	0	2	168	181	174	0	8	145	199
	135	0	14	109	216										
2300	182	0	4	169	196	187	0	2	181	194	185	0	10	156	213
	138	0	21	100	518										
2400	174	0	4	158	189	181	0	1	176	185	174	0	9	139	199
	134	0	15	102	214										

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METEOROLOGICAL DATA--CK--FOR APRIL 13, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	343	0	187	0	367	0	371	0	-85	0	6	0	14	0	14	0	14	0	0	0
200	334	0	213	0	362	0	367	0	-78	0	10	0	14	0	14	0	14	0	0	0
300	338	0	229	0	359	0	364	0	-72	0	3	0	14	0	14	0	14	0	0	0
400	345	0	235	0	363	0	366	0	-73	0	-1	0	14	0	14	0	14	0	0	0
500	329	0	221	0	349	0	341	0	-89	0	11	0	14	0	14	0	14	0	0	0
600	320	0	212	0	347	0	303	0	-97	0	17	0	14	0	14	0	14	0	0	0
700	305	0	209	0	337	0	288	0	-100	0	33	0	14	0	14	0	14	0	0	0
800	314	0	214	0	337	0	294	0	-101	0	27	0	14	0	14	0	14	0	0	0
900	361	0	235	0	359	0	361	0	-77	0	-13	0	14	0	14	0	14	0	0	0
1000	384	0	205	0	362	0	365	0	-87	0	-17	0	14	0	14	0	14	0	0	0
1100	398	0	189	0	370	0	374	0	-73	0	-16	0	14	0	14	0	14	0	0	0
1200	410	0	202	0	378	0	385	0	-72	0	-17	0	14	0	14	0	14	0	0	0
1300	422	0	204	0	383	0	389	0	-71	0	-25	0	14	0	14	0	14	0	0	0
1400	419	0	197	0	387	0	394	0	-69	0	-22	0	14	0	14	0	14	0	0	0
1500	435	0	177	0	395	0	406	0	-63	0	-24	0	14	0	14	0	14	0	0	0
1600	447	0	99	0	413	0	423	0	-44	0	-22	0	14	0	14	0	14	0	0	0
1700	461	0	144	0	424	0	436	0	-45	0	-19	0	14	0	14	0	14	0	0	0
1800	471	0	175	0	438	0	447	0	-35	0	-16	0	14	0	14	0	14	0	0	0
1900	469	0	165	0	453	0	459	0	-41	0	-13	0	14	0	14	0	14	0	0	0
2000	462	0	183	0	467	0	470	0	-39	0	-7	0	14	0	14	0	14	0	0	0
2100	448	0	186	0	454	0	455	0	-49	0	7	0	14	0	14	0	14	0	0	0
2200	432	0	197	0	450	0	446	0	-49	0	16	0	14	0	14	0	14	0	0	0
2300	431	0	204	0	447	0	446	0	-49	0	8	0	14	0	14	0	14	0	0	0
2400	418	0	197	0	437	0	437	0	-55	0	11	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 14, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	81	0	0	54	111	166	0	0	126	205	63	0	0	32	105
	73	0	0	45	116										
200	88	0	0	49	136	164	0	0	120	203	75	0	0	33	133
	84	0	0	44	126										
300	81	0	0	53	111	167	0	0	142	194	65	0	0	27	120
	99	0	0	58	148										
400	81	0	0	49	122	173	0	0	150	199	58	0	0	27	111
	87	0	0	41	139										
500	78	0	0	48	119	159	0	0	123	188	51	0	0	19	102
	79	0	0	38	138										
600	115	0	0	63	170	210	0	0	159	265	86	0	0	43	146
	54	0	0	23	91										
700	111	0	0	63	169	213	0	0	138	280	85	0	0	13	172
	68	0	0	31	123										
800	105	0	0	54	168	151	0	0	97	226	78	0	0	36	144
	60	0	0	25	115										
900	121	0	0	66	173	170	0	0	126	232	90	0	0	32	144
	58	0	0	22	114										
1000	140	0	0	73	205	187	0	0	124	254	107	0	0	47	174
	70	0	0	31	155										
1100	146	0	0	81	227	206	0	0	118	290	102	0	0	39	199
	89	0	0	39	168										
1200	136	0	0	75	229	180	0	0	106	276	102	0	0	38	188
	88	0	0	40	194										
1300	126	0	0	69	216	166	0	0	74	271	89	0	0	22	150
	86	0	0	37	148										
1400	100	0	0	44	182	159	0	0	82	213	97	0	0	40	156
	87	0	0	65	108										
1500	132	0	0	56	247	243	0	0	148	355	142	0	0	79	215
	158	0	0	119	206										
1600	112	0	0	67	173	162	0	0	76	252	87	0	0	35	178
	76	0	0	35	126										
1700	97	0	0	48	154	176	0	0	125	237	97	0	0	42	181
	78	0	0	64	93										
1800	80	0	0	46	126	153	0	0	87	224	79	0	0	44	138
	85	0	0	52	112										
1900	101	0	0	50	174	181	0	0	128	231	100	0	0	42	164
	91	0	0	42	139										
2000	86	0	0	47	139	161	0	0	83	226	92	0	0	34	159
	85	0	0	40	128										
2100	76	0	0	35	172	154	0	0	66	303	95	0	0	42	168
	114	0	0	76	169										
2200	72	0	0	34	111	156	0	0	121	189	74	0	0	46	117
	89	0	0	51	115										
2300	59	0	0	27	115	110	0	0	60	156	42	0	0	22	77
	43	0	0	18	98										
2400	49	0	0	36	66	118	0	0	96	144	34	0	0	18	59
	46	0	0	27	64										

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METEOROLOGICAL DATA--CK--FOR APRIL 14, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	169	0	5	155	187	174	0	2	167	181	170	0	7	144	194
	134	0	12	83	199										
200	171	0	6	150	194	174	0	3	163	185	176	0	10	137	204
	135	0	15	106	516										
300	165	0	5	147	188	172	0	2	165	181	168	0	10	136	206
	134	0	8	109	170										
400	165	0	5	145	181	169	0	2	163	175	166	0	10	139	192
	136	0	11	112	193										
500	165	0	6	145	192	168	0	2	159	177	165	0	12	133	199
	136	0	12	104	201										
600	168	0	5	145	182	173	0	2	162	183	171	0	10	140	200
	160	0	26	104	231										
700	172	0	7	145	190	173	0	3	164	192	178	0	14	82	265
	149	0	26	75	470										
800	192	0	8	165	220	194	0	5	178	214	198	0	12	159	229
	175	0	27	95	257										
900	187	0	7	165	215	187	0	5	172	210	190	0	13	154	245
	160	0	28	105	320										
1000	188	0	7	169	210	190	0	6	177	210	194	0	12	158	236
	166	0	28	98	476										
1100	196	0	9	170	223	194	0	7	172	218	199	0	14	142	240
	183	0	24	110	337										
1200	196	0	9	166	221	197	0	5	183	223	202	0	13	160	247
	183	0	22	124	272										
1300	202	0	11	172	229	202	0	8	177	227	208	0	16	160	251
	202	0	13	143	297										
1400	228	0	16	194	293	227	0	10	201	264	238	0	14	183	286
	222	0	10	194	243										
1500	259	0	10	225	284	259	0	6	241	278	264	0	9	238	297
	258	0	6	238	271										
1600	205	0	8	181	231	206	0	6	183	231	214	0	12	175	243
	195	0	19	105	234										
1700	227	0	12	200	258	227	0	5	209	243	236	0	9	206	271
	216	0	3	205	228										
1800	236	0	12	202	269	232	0	6	211	254	244	0	9	206	276
	212	0	10	169	233										
1900	232	0	12	194	262	232	0	5	215	251	241	0	10	211	283
	200	0	11	145	231										
2000	236	0	13	195	264	235	0	5	219	256	245	0	8	225	280
	202	0	8	163	229										
2100	296	0	20	247	378	297	0	8	265	330	305	0	11	273	343
	307	0	13	284	346										
2200	241	0	13	201	275	245	0	3	229	253	252	0	8	217	273
	226	0	6	202	241										
2300	324	0	17	265	374	334	0	12	312	366	331	0	15	282	376
	333	0	48	221	388										
2400	15	0	8	358	402	31	0	2	381	397	19	0	10	341	451
	10	0	5	361	403										

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METEOROLOGICAL DATA--CK--FOR APRIL 14, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	411	0	205	0	427	0	427	0	-58	0	6	0	14	0	14	0	14	0	0	0
200	414	0	208	0	421	0	421	0	-60	0	0	0	14	0	14	0	14	0	0	0
300	398	0	211	0	419	0	420	0	-61	0	4	0	14	0	14	0	14	0	0	0
400	394	0	209	0	415	0	416	0	-62	0	2	0	14	0	14	0	14	0	0	0
500	403	0	211	0	423	0	425	0	-60	0	-2	0	14	0	14	0	14	0	0	0
600	409	0	214	0	426	0	427	0	-59	0	0	0	14	0	14	0	14	0	0	0
700	408	0	219	0	422	0	423	0	-59	0	-3	0	14	0	14	0	14	0	0	0
800	420	0	223	0	432	0	434	0	-54	0	-9	0	14	0	14	0	14	0	0	0
900	444	0	235	0	460	0	463	0	-33	0	-13	0	14	0	14	0	14	0	0	0
1000	473	0	252	0	490	0	493	0	-16	0	-12	0	14	0	14	0	14	0	0	0
1100	525	0	280	0	533	0	537	0	15	0	-13	0	14	0	14	0	14	0	0	0
1200	551	0	299	0	556	0	561	0	31	0	-13	0	14	0	14	0	14	0	0	0
1300	586	0	306	0	537	0	542	0	28	0	-14	0	14	0	14	0	14	0	0	0
1400	586	0	315	0	487	0	491	0	8	0	-12	0	14	0	14	0	14	0	0	0
1500	478	0	372	0	453	0	452	0	0	0	0	0	14	0	14	0	14	0	1	0
1600	527	0	391	0	507	0	511	0	32	0	-7	0	14	0	14	0	14	0	1	0
1700	538	0	388	0	468	0	473	0	8	0	-9	0	14	0	14	0	14	0	0	0
1800	535	0	389	0	474	0	477	0	10	0	-10	0	14	0	14	0	14	0	0	0
1900	552	0	387	0	502	0	505	0	23	0	-7	0	14	0	14	0	14	0	0	0
2000	550	0	379	0	499	0	500	0	18	0	-3	0	14	0	14	0	14	0	0	0
2100	505	0	366	0	496	0	490	0	17	0	-4	0	14	0	14	0	14	0	0	0
2200	519	0	391	0	485	0	488	0	13	0	13	0	14	0	14	0	14	0	9	0
2300	487	0	346	0	469	0	468	0	0	0	-5	0	14	0	14	0	14	0	0	0
2400	467	0	327	0	438	0	436	0	-12	0	9	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 15, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	28	0	0	20	36	106	0	0	99	120	19	0	0	4	37
	47	0	0	34	58										
200	30	0	0	26	34	105	0	0	100	113	14	0	0	4	35
	41	0	0	29	57										
300	16	0	0	14	20	96	0	0	88	102	4	0	0	4	10
	30	0	0	14	41										
400	27	0	0	19	40	53	0	0	45	66	20	0	0	12	31
	14	0	0	5	24										
500	20	0	0	14	25	49	0	0	43	59	4	0	0	4	14
	5	0	0	4	12										
600	21	0	0	17	25	62	0	0	58	66	12	0	0	3	19
	6	0	0	5	28										
700	9	0	0	6	34	61	0	0	55	69	4	0	0	3	5
	36	0	0	25	49										
800	10	0	0	6	76	44	0	0	40	51	4	0	0	4	4
	6	0	0	4	13										
900	19	0	0	8	44	56	0	0	41	66	15	0	0	4	28
	25	0	0	17	35										
1000	18	0	0	9	27	10	0	0	3	25	13	0	0	4	38
	18	0	0	10	25										
1100	49	0	0	24	67	53	0	0	40	76	34	0	0	7	54
	41	0	0	33	51										
1200	50	0	0	29	80	62	0	0	46	88	47	0	0	26	69
	39	0	0	32	45										
1300	60	0	0	31	86	75	0	0	51	104	55	0	0	30	82
	28	0	0	21	35										
1400	62	0	0	33	86	90	0	0	64	107	54	0	0	12	86
	31	0	0	23	39										
1500	64	0	0	28	96	94	0	0	70	110	58	0	0	31	87
	37	0	0	24	51										
1600	60	0	0	26	86	67	0	0	40	97	59	0	0	29	105
	50	0	0	41	58										
1700	64	0	0	30	97	72	0	0	47	94	48	0	0	21	78
	70	0	0	59	82										
1800	53	0	0	32	85	71	0	0	45	99	50	0	0	17	84
	92	0	0	76	105										
1900	46	0	0	23	72	56	0	0	33	76	34	0	0	11	73
	83	0	0	69	93										
2000	23	0	0	13	34	15	0	0	3	37	14	0	0	4	32
	61	0	0	44	73										
2100	25	0	0	19	33	41	0	0	37	47	20	0	0	11	26
	23	0	0	5	35										
2200	47	0	0	41	52	59	0	0	54	65	26	0	0	19	37
	50	0	0	35	64										
2300	32	0	0	25	40	64	0	0	55	75	36	0	0	30	43
	56	0	0	45	66										
2400	26	0	0	19	35	66	0	0	55	72	18	0	0	6	34
	55	0	0	36	68										

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METEOROLOGICAL DATA--CK--FOR APRIL 15, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	75	0	8	416	450	63	0	1	419	426	85	0	8	411	454
	109	0	2	458	477										
200	44	0	9	393	432	61	0	2	417	427	59	0	10	386	442
	104	0	4	444	471										
300	86	0	10	421	468	70	0	1	426	433	101	0	14	428	498
	134	0	7	478	513										
400	331	0	7	310	352	29	0	5	377	397	338	0	7	313	367
	89	0	40	228	499										
500	318	0	6	303	334	28	0	5	378	398	317	0	21	234	352
	324	0	26	221	370										
600	340	0	10	317	364	47	0	3	400	412	356	0	7	342	388
	11	0	7	353	401										
700	73	0	29	388	462	57	0	4	409	422	39	0	46	359	495
	115	0	5	453	485										
800	276	0	69	11	355	71	0	2	427	436	102	0	1	462	468
	53	0	68	133	484										
900	107	0	24	409	524	106	0	3	449	470	113	0	12	424	515
	218	0	31	158	317										
1000	168	0	25	64	237	109	0	54	57	415	120	0	43	28	267
	277	0	9	245	301										
1100	334	0	19	279	377	329	0	6	310	348	322	0	17	278	361
	353	0	3	339	361										
1200	292	0	21	246	371	296	0	9	266	324	308	0	18	270	360
	353	0	3	342	363										
1300	314	0	22	262	380	307	0	12	279	332	329	0	11	288	356
	336	0	7	305	350										
1400	316	0	15	252	375	313	0	5	295	326	313	0	13	281	360
	315	0	6	302	330										
1500	316	0	16	263	375	312	0	4	302	325	313	0	13	279	370
	332	0	11	299	355										
1600	308	0	15	265	353	314	0	6	297	334	318	0	8	286	347
	337	0	5	320	351										
1700	343	0	15	303	390	331	0	6	311	355	330	0	14	282	365
	2	0	3	352	371										
1800	344	0	13	304	380	349	0	8	325	369	356	0	16	244	404
	7	0	2	361	374										
1900	345	0	16	295	383	354	0	10	321	374	348	0	19	264	411
	5	0	3	357	377										
2000	57	0	38	332	486	9	0	13	339	409	339	0	50	81	368
	14	0	2	368	384										
2100	59	0	7	400	431	63	0	2	413	428	65	0	6	406	441
	112	0	2	434	477										
2200	59	0	2	414	425	76	0	2	431	440	70	0	6	413	447
	107	0	6	452	477										
2300	79	0	3	432	449	72	0	3	427	438	87	0	3	441	458
	112	0	1	469	477										
2400	151	0	5	497	526	99	0	3	453	467	142	0	11	477	529
	112	0	2	463	478										

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METEOROLOGICAL DATA--CK--FOR APRIL 15, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	456	0	320	0	444	0	432	0	-17	0	25	0	14	0	14	0	14	0	0	0
200	449	0	316	0	451	0	409	0	-17	0	34	0	14	0	14	0	14	0	0	0
300	448	0	311	0	443	0	392	0	-23	0	43	0	14	0	14	0	14	0	0	0
400	410	0	312	0	413	0	391	0	-34	0	49	0	14	0	14	0	14	0	0	0
500	424	0	300	0	388	0	377	0	-41	0	30	0	14	0	14	0	14	0	0	0
600	414	0	301	0	388	0	354	0	-38	0	43	0	14	0	14	0	14	0	0	0
700	372	0	284	0	368	0	330	0	-52	0	66	0	14	0	14	0	14	0	0	0
800	377	0	294	0	383	0	341	0	-45	0	66	0	14	0	14	0	14	0	0	0
900	418	0	318	0	398	0	392	0	-29	0	31	0	14	0	14	0	14	0	0	0
1000	479	0	333	0	393	0	395	0	-34	0	-15	0	14	0	14	0	14	0	0	0
1100	489	0	354	0	402	0	407	0	-14	0	-18	0	14	0	14	0	14	0	0	0
1200	523	0	326	0	422	0	428	0	-5	0	-19	0	14	0	14	0	14	0	0	0
1300	526	0	321	0	432	0	438	0	-7	0	-20	0	14	0	14	0	14	0	0	0
1400	526	0	302	0	440	0	448	0	-7	0	-24	0	14	0	14	0	14	0	0	0
1500	528	0	297	0	441	0	451	0	-2	0	-24	0	14	0	14	0	14	0	0	0
1600	481	0	318	0	402	0	415	0	-16	0	-21	0	14	0	14	0	14	0	0	0
1700	491	0	315	0	414	0	426	0	-13	0	-19	0	14	0	14	0	14	0	0	0
1800	484	0	312	0	435	0	447	0	-12	0	-16	0	14	0	14	0	14	0	0	0
1900	488	0	305	0	440	0	449	0	-8	0	-11	0	14	0	14	0	14	0	0	0
2000	490	0	293	0	451	0	454	0	-5	0	-6	0	14	0	14	0	14	0	0	0
2100	470	0	279	0	462	0	456	0	-25	0	5	0	14	0	14	0	14	0	0	0
2200	459	0	273	0	462	0	432	0	-27	0	21	0	14	0	14	0	14	0	0	0
2300	439	0	275	0	448	0	419	0	-35	0	56	0	14	0	14	0	14	0	0	0
2400	419	0	274	0	435	0	406	0	-41	0	67	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 16, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	37	0	0	26	51	69	0	0	47	89	29	0	0	17	47
	65	0	0	47	82										
200	39	0	0	34	50	137	0	0	126	147	31	0	0	19	50
	75	0	0	50	99										
300	47	0	0	36	62	151	0	0	132	168	36	0	0	20	66
	72	0	0	53	99										
400	45	0	0	36	56	156	0	0	149	167	42	0	0	23	68
	76	0	0	44	103										
500	53	0	0	41	66	167	0	0	151	184	39	0	0	16	77
	78	0	0	52	111										
600	49	0	0	38	66	171	0	0	159	184	45	0	0	20	80
	74	0	0	37	105										
700	50	0	0	36	68	172	0	0	159	183	51	0	0	27	79
	64	0	0	43	96										
800	53	0	0	34	69	142	0	0	120	160	42	0	0	19	73
	58	0	0	35	95										
900	71	0	0	40	98	111	0	0	81	145	51	0	0	20	91
	56	0	0	33	103										
1000	83	0	0	41	127	107	0	0	73	136	63	0	0	27	114
	43	0	0	16	97										
1100	87	0	0	51	158	123	0	0	69	193	94	0	0	46	148
	80	0	0	45	111										
1200	124	0	0	67	177	147	0	0	80	215	107	0	0	40	165
	73	0	0	40	103										
1300	110	0	0	49	166	153	0	0	62	212	102	0	0	24	176
	75	0	0	50	112										
1400	102	0	0	33	190	133	0	0	54	212	82	0	0	24	149
	82	0	0	52	111										
1500	113	0	0	53	196	140	0	0	73	247	82	0	0	29	179
	57	0	0	30	83										
1600	98	0	0	51	170	131	0	0	68	201	86	0	0	40	129
	88	0	0	50	134										
1700	88	0	0	47	146	126	0	0	69	186	89	0	0	46	157
	82	0	0	39	121										
1800	79	0	0	37	167	130	0	0	61	219	73	0	0	29	143
	73	0	0	31	131										
1900	130	0	0	71	233	232	0	0	140	332	117	0	0	52	223
	142	0	0	113	167										
2000	79	0	0	48	135	159	0	0	100	223	75	0	0	22	141
	58	0	0	21	99										
2100	51	0	0	34	72	127	0	0	109	150	69	0	0	47	85
	91	0	0	62	126										
2200	58	0	0	38	79	160	0	0	128	174	32	0	0	16	55
	76	0	0	47	112										
2300	91	0	0	49	132	213	0	0	181	241	58	0	0	29	103
	90	0	0	53	152										
2400	69	0	0	47	108	149	0	0	112	184	57	0	0	26	108
	88	0	0	53	127										

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METEOROLOGICAL DATA--CK--FOR APRIL 16, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	148	0	5	121	173	124	0	3	478	493	154	0	5	137	172
	117	0	3	468	487										
200	154	0	2	149	161	144	0	0	502	506	159	0	3	147	166
	120	0	3	468	490										
300	155	0	6	140	169	158	0	2	514	522	161	0	7	138	179
	118	0	5	461	498										
400	175	0	4	159	186	165	0	1	523	527	172	0	8	149	202
	128	0	6	112	161										
500	167	0	3	155	178	173	0	1	171	177	171	0	8	142	195
	130	0	6	112	170										
600	170	0	4	159	184	184	0	1	180	190	176	0	8	154	209
	137	0	13	102	221										
700	171	0	3	160	182	186	0	1	182	188	172	0	7	134	209
	140	0	12	112	187										
800	162	0	5	147	177	182	0	2	173	190	169	0	10	122	193
	138	0	15	103	223										
900	175	0	7	150	199	185	0	4	171	202	179	0	10	140	220
	142	0	22	104	481										
1000	185	0	8	157	218	189	0	8	164	214	192	0	12	152	239
	168	0	34	81	494										
1100	222	0	19	180	270	222	0	12	180	250	232	0	16	174	271
	207	0	7	170	229										
1200	186	0	11	161	225	190	0	8	167	212	191	0	18	145	241
	208	0	6	177	225										
1300	231	0	16	178	274	229	0	11	185	264	245	0	15	194	281
	214	0	6	195	231										
1400	214	0	20	157	255	210	0	20	150	243	238	0	18	184	304
	214	0	5	198	235										
1500	207	0	22	167	265	203	0	17	166	259	227	0	24	152	283
	218	0	7	185	239										
1600	224	0	18	175	275	223	0	14	186	259	243	0	15	191	284
	212	0	6	181	225										
1700	224	0	15	190	270	227	0	11	191	260	241	0	16	193	288
	210	0	7	175	229										
1800	221	0	15	184	264	220	0	10	168	250	234	0	13	196	273
	195	0	19	102	432										
1900	233	0	12	206	269	231	0	6	214	249	243	0	11	205	274
	226	0	7	207	239										
2000	240	0	15	199	277	241	0	9	219	258	248	0	12	195	279
	204	0	24	118	264										
2100	118	0	6	97	143	137	0	2	132	142	125	0	6	105	138
	114	0	4	102	126										
2200	148	0	4	137	164	147	0	0	144	150	148	0	10	124	185
	125	0	5	109	142										
2300	151	0	4	139	168	156	0	2	150	162	152	0	8	133	175
	134	0	8	115	172										
2400	170	0	6	142	188	171	0	2	163	183	177	0	10	148	205
	137	0	11	110	209										

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METEOROLOGICAL DATA--CK--FOR APRIL 16, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	413	0	261	0	429	0	417	0	-46	0	57	0	14	0	14	0	14	0	0	0
200	402	0	254	0	428	0	423	0	-48	0	77	0	14	0	14	0	14	0	0	0
300	406	0	249	0	421	0	417	0	-53	0	49	0	14	0	14	0	14	0	0	0
400	411	0	241	0	429	0	424	0	-51	0	66	0	14	0	14	0	14	0	0	0
500	420	0	231	0	435	0	432	0	-50	0	45	0	14	0	14	0	14	0	0	0
600	414	0	228	0	449	0	443	0	-42	0	41	0	14	0	14	0	14	0	0	0
700	413	0	242	0	444	0	438	0	-44	0	38	0	14	0	14	0	14	0	0	0
800	418	0	245	0	456	0	453	0	-37	0	28	0	14	0	14	0	14	0	0	0
900	479	0	278	0	496	0	492	0	-5	0	-6	0	14	0	14	0	14	0	0	0
1000	537	0	287	0	547	0	551	0	20	0	-15	0	14	0	14	0	14	0	0	0
1100	599	0	240	0	537	0	537	0	27	0	-17	0	14	0	14	0	14	0	0	0
1200	610	0	281	0	550	0	555	0	39	0	-17	0	14	0	14	0	14	0	0	0
1300	640	0	312	0	556	0	567	0	43	0	-22	0	14	0	14	0	14	0	0	0
1400	669	0	330	0	569	0	581	0	50	0	-21	0	14	0	14	0	14	0	0	0
1500	688	0	331	0	591	0	604	0	69	0	-18	0	14	0	14	0	14	0	0	0
1600	701	0	307	0	619	0	632	0	89	0	-18	0	14	0	14	0	14	0	0	0
1700	700	0	316	0	612	0	622	0	84	0	-16	0	14	0	13	0	14	0	0	0
1800	678	0	341	0	610	0	616	0	74	0	-7	0	14	0	12	0	14	0	0	0
1900	623	0	394	0	528	0	532	0	34	0	-1	0	14	0	12	0	14	0	0	0
2000	499	0	419	0	468	0	464	0	18	0	-2	0	14	0	14	0	14	0	10	0
2100	519	0	442	0	519	0	511	0	64	0	24	0	14	0	14	0	14	0	3	0
2200	538	0	446	0	543	0	541	0	69	0	19	0	14	0	14	0	14	0	0	0
2300	551	0	429	0	564	0	562	0	69	0	24	0	14	0	14	0	14	0	0	0
2400	572	0	410	0	582	0	582	0	73	0	9	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 17, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	79	0	0	52	113	166	0	0	123	197	69	0	0	30	121
	76	0	0	29	125										
200	116	0	0	70	201	190	0	0	134	268	87	0	0	32	168
	65	0	0	21	115										
300	139	0	0	83	195	199	0	0	118	283	105	0	0	32	189
	91	0	0	42	174										
400	124	0	0	72	185	190	0	0	117	245	89	0	0	34	179
	88	0	0	48	151										
500	99	0	0	54	145	159	0	0	107	211	72	0	0	32	133
	70	0	0	31	146										
600	106	0	0	62	169	171	0	0	108	233	79	0	0	26	144
	74	0	0	34	159										
700	105	0	0	61	183	163	0	0	108	226	85	0	0	28	160
	83	0	0	38	138										
800	111	0	0	57	177	180	0	0	89	256	93	0	0	20	177
	87	0	0	42	129										
900	88	0	0	42	154	171	0	0	84	228	102	0	0	40	168
	54	0	0	38	74										
1000	96	0	0	42	155	172	0	0	108	229	98	0	0	67	152
	86	0	0	56	108										
1100	86	0	0	24	159	170	0	0	94	257	75	0	0	33	136
	90	0	0	70	114										
1200	133	0	0	70	216	185	0	0	113	272	98	0	0	40	186
	214	0	0	169	263										
1300	134	0	0	59	216	199	0	0	130	292	102	0	0	37	207
	207	0	0	163	243										
1400	122	0	0	63	203	182	0	0	96	291	87	0	0	30	188
	197	0	0	149	245										
1500	134	0	0	59	240	200	0	0	99	293	103	0	0	34	211
	218	0	0	169	268										
1600	120	0	0	57	208	178	0	0	89	285	95	0	0	39	193
	195	0	0	136	232										
1700	106	0	0	43	185	176	0	0	88	276	87	0	0	39	162
	205	0	0	167	241										
1800	119	0	0	54	192	164	0	0	99	235	69	0	0	31	122
	176	0	0	120	210										
1900	75	0	0	29	137	109	0	0	55	151	63	0	0	28	117
	141	0	0	108	164										
2000	67	0	0	36	115	103	0	0	55	137	46	0	0	11	95
	129	0	0	105	144										
2100	46	0	0	27	75	80	0	0	42	114	32	0	0	14	63
	52	0	0	16	108										
2200	46	0	0	28	81	83	0	0	57	105	29	0	0	10	72
	77	0	0	23	115										
2300	26	0	0	13	47	87	0	0	61	110	17	0	0	4	27
	30	0	0	15	52										
2400	24	0	0	15	37	70	0	0	55	79	18	0	0	13	38
	69	0	0	57	84										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 17, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	169	0	6	148	193	173	0	3	160	183	172	0	9	145	198
	138	0	18	104	478										
200	177	0	7	153	197	178	0	5	162	196	180	0	14	147	235
	143	0	26	82	469										
300	192	0	7	170	219	192	0	5	170	209	194	0	10	163	236
	174	0	22	116	359										
400	186	0	6	170	207	193	0	4	178	210	190	0	14	145	254
	171	0	19	119	230										
500	187	0	7	165	204	191	0	4	176	208	194	0	12	161	232
	169	0	24	103	411										
600	194	0	7	176	222	198	0	5	179	210	198	0	11	168	260
	187	0	21	123	440										
700	200	0	8	178	225	204	0	5	188	235	210	0	11	169	243
	187	0	19	117	259										
800	214	0	9	185	247	216	0	7	198	236	221	0	12	186	254
	201	0	11	153	242										
900	244	0	11	212	283	239	0	7	203	260	250	0	8	225	279
	221	0	9	197	254										
1000	256	0	10	226	291	253	0	5	232	273	261	0	8	238	287
	222	0	8	206	253										
1100	338	0	17	244	407	333	0	8	307	358	331	0	11	296	380
	338	0	8	321	356										
1200	4	0	9	332	395	356	0	6	334	379	359	0	12	309	396
	4	0	2	358	372										
1300	354	0	10	326	388	355	0	6	331	384	358	0	13	314	405
	5	0	2	360	373										
1400	358	0	11	315	402	351	0	8	325	378	355	0	16	282	433
	2	0	2	352	372										
1500	357	0	10	319	383	354	0	7	332	384	356	0	13	308	391
	2	0	2	354	368										
1600	7	0	11	331	396	2	0	6	340	383	6	0	12	326	399
	9	0	2	362	380										
1700	352	0	12	292	384	350	0	7	327	370	353	0	14	297	401
	358	0	4	346	371										
1800	3	0	9	330	396	2	0	5	345	381	3	0	13	323	398
	7	0	2	361	374										
1900	348	0	12	268	377	351	0	8	315	374	352	0	13	316	388
	3	0	3	354	373										
2000	349	0	13	309	388	352	0	5	331	373	349	0	15	311	400
	5	0	3	356	377										
2100	0	0	9	334	390	2	0	4	347	377	3	0	12	324	424
	24	0	19	361	501										
2200	5	0	8	341	384	0	0	3	349	371	10	0	11	335	396
	14	0	16	297	460										
2300	330	0	13	296	365	5	0	2	357	372	301	0	31	241	353
	41	0	18	368	450										
2400	310	0	15	269	347	339	0	2	331	347	303	0	12	277	332
	341	0	5	328	354										

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METEOROLOGICAL DATA--CK--FOR APRIL 17, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	577	0	399	0	590	0	590	0	71	0	5	0	14	0	14	0	14	0	0	0
200	588	0	392	0	599	0	599	0	72	0	0	0	14	0	14	0	14	0	0	0
300	595	0	394	0	611	0	611	0	77	0	-3	0	14	0	14	0	14	0	0	0
400	578	0	398	0	598	0	596	0	74	0	1	0	14	0	14	0	14	0	1	0
500	569	0	407	0	593	0	591	0	73	0	0	0	14	0	14	0	14	0	0	0
600	583	0	408	0	597	0	598	0	75	0	-1	0	14	0	14	0	14	0	0	0
700	591	0	412	0	586	0	587	0	69	0	-2	0	14	0	14	0	14	0	0	0
800	607	0	425	0	555	0	555	0	56	0	-5	0	14	0	14	0	14	0	0	0
900	575	0	418	0	483	0	487	0	17	0	-3	0	14	0	14	0	14	0	0	0
1000	572	0	420	0	501	0	504	0	28	0	-10	0	14	0	14	0	14	0	0	0
1100	485	0	399	0	446	0	449	0	9	0	-18	0	14	0	14	0	14	0	0	0
1200	408	0	335	0	399	0	400	0	-21	0	-22	0	14	0	14	0	14	0	0	0
1300	422	0	328	0	408	0	417	0	-20	0	-20	0	14	0	14	0	14	0	0	0
1400	415	0	326	0	405	0	412	0	-21	0	-21	0	14	0	14	0	14	0	0	0
1500	418	0	336	0	404	0	409	0	-18	0	-22	0	14	0	14	0	14	0	0	0
1600	414	0	313	0	400	0	409	0	-29	0	-20	0	14	0	14	0	14	0	0	0
1700	395	0	297	0	390	0	393	0	-41	0	-17	0	14	0	14	0	14	0	1	0
1800	409	0	307	0	396	0	403	0	-36	0	-15	0	14	0	14	0	14	0	2	0
1900	396	0	289	0	382	0	388	0	-45	0	-16	0	14	0	14	0	14	0	0	0
2000	385	0	282	0	378	0	383	0	-50	0	-14	0	14	0	14	0	14	0	0	0
2100	369	0	268	0	372	0	369	0	-61	0	-11	0	14	0	14	0	14	0	0	0
2200	369	0	271	0	376	0	373	0	-58	0	-9	0	14	0	14	0	14	0	0	0
2300	364	0	262	0	375	0	367	0	-66	0	8	0	14	0	14	0	14	0	0	0
2400	364	0	267	0	383	0	384	0	-55	0	2	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 18, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	40	0	0	26	64	78	0	0	52	97	23	0	0	11	44
	22	0	0	5	47										
200	38	0	0	27	52	73	0	0	60	85	23	0	0	10	43
	30	0	0	16	53										
300	36	0	0	25	45	86	0	0	78	92	40	0	0	32	50
	37	0	0	23	53										
400	46	0	0	36	55	103	0	0	91	117	34	0	0	22	48
	29	0	0	18	42										
500	42	0	0	26	58	101	0	0	90	112	45	0	0	31	58
	43	0	0	28	64										
600	38	0	0	30	46	89	0	0	82	97	40	0	0	27	52
	34	0	0	23	47										
700	46	0	0	25	68	102	0	0	73	121	52	0	0	29	73
	46	0	0	21	84										
800	42	0	0	17	77	79	0	0	40	109	38	0	0	12	76
	28	0	0	12	57										
900	56	0	0	34	83	62	0	0	43	90	41	0	0	14	65
	38	0	0	17	65										
1000	59	0	0	32	84	74	0	0	55	88	61	0	0	34	96
	47	0	0	26	84										
1100	50	0	0	30	66	59	0	0	46	73	36	0	0	12	63
	40	0	0	23	65										
1200	30	0	0	16	56	33	0	0	12	53	22	0	0	4	42
	20	0	0	10	32										
1300	19	0	0	7	32	15	0	0	3	25	11	0	0	4	31
	18	0	0	6	27										
1400	33	0	0	17	47	30	0	0	16	43	27	0	0	7	45
	35	0	0	23	49										
1500	46	0	0	32	65	50	0	0	36	64	33	0	0	13	58
	63	0	0	15	97										
1600	37	0	0	17	64	34	0	0	10	59	30	0	0	10	61
	64	0	0	47	76										
1700	54	0	0	33	78	60	0	0	42	74	39	0	0	22	66
	71	0	0	53	87										
1800	48	0	0	28	68	59	0	0	45	82	40	0	0	24	64
	63	0	0	54	72										
1900	45	0	0	25	73	62	0	0	46	83	35	0	0	12	60
	58	0	0	48	68										
2000	34	0	0	16	58	51	0	0	29	76	34	0	0	16	58
	51	0	0	43	62										
2100	30	0	0	19	43	54	0	0	40	68	28	0	0	15	42
	49	0	0	38	59										
2200	25	0	0	21	29	38	0	0	26	45	21	0	0	13	33
	32	0	0	18	46										
2300	26	0	0	22	32	41	0	0	35	47	21	0	0	12	30
	31	0	0	23	40										
2400	30	0	0	26	35	58	0	0	54	65	25	0	0	16	37
	43	0	0	29	54										

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METEOROLOGICAL DATA--CK--FOR APRIL 18, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	20	0	11	341	403	32	0	8	373	411	16	0	16	326	426
	39	0	17	356	457										
200	59	0	5	403	435	58	0	2	410	426	69	0	11	384	464
	83	0	15	387	478										
300	92	0	5	433	468	85	0	1	442	447	95	0	3	445	469
	109	0	6	442	485										
400	61	0	3	414	434	80	0	2	436	445	71	0	7	407	452
	105	0	11	403	496										
500	90	0	9	424	478	87	0	1	443	452	94	0	5	439	482
	111	0	6	444	486										
600	86	0	3	436	457	85	0	1	442	448	88	0	2	441	460
	110	0	7	447	493										
700	88	0	11	420	481	87	0	4	436	460	93	0	8	428	483
	115	0	7	432	490										
800	67	0	12	380	455	71	0	5	407	443	75	0	14	380	466
	90	0	24	357	512										
900	69	0	10	407	481	70	0	9	402	464	79	0	17	377	505
	102	0	17	380	504										
1000	84	0	9	418	484	86	0	5	430	469	89	0	7	418	484
	106	0	12	417	493										
1100	79	0	7	412	469	76	0	4	421	446	75	0	11	388	466
	109	0	10	407	496										
1200	65	0	12	394	467	69	0	12	366	449	70	0	29	229	504
	39	0	23	351	469										
1300	31	0	28	328	460	41	0	17	347	443	55	0	25	364	487
	41	0	50	317	506										
1400	48	0	16	365	442	55	0	13	376	451	66	0	20	360	481
	354	0	10	326	375										
1500	18	0	11	349	405	21	0	11	344	402	15	0	17	320	419
	13	0	16	341	472										
1600	34	0	19	338	435	31	0	18	325	441	36	0	32	25	462
	347	0	5	330	360										
1700	350	0	10	311	375	337	0	5	320	349	329	0	14	293	362
	348	0	5	336	362										
1800	320	0	19	266	367	314	0	7	290	331	329	0	12	285	366
	337	0	6	321	348										
1900	299	0	14	264	362	314	0	7	299	340	315	0	13	278	361
	339	0	4	327	350										
2000	297	0	22	193	348	298	0	11	250	316	297	0	18	241	346
	302	0	7	285	319										
2100	290	0	11	254	321	297	0	5	276	315	299	0	14	246	337
	295	0	7	267	312										
2200	165	0	4	154	175	230	0	3	225	240	175	0	5	162	208
	214	0	32	123	262										
2300	164	0	6	147	173	211	0	3	203	216	168	0	8	150	188
	136	0	9	115	172										
2400	164	0	3	155	171	193	0	1	189	196	172	0	5	159	186
	125	0	4	109	138										

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METEOROLOGICAL DATA--CK--FOR APRIL 18, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	383	0	265	0	381	0	378	0	-57	0	-1	0	14	0	14	0	14	0	0	0
200	371	0	246	0	374	0	371	0	-71	0	-3	0	14	0	14	0	14	0	0	0
300	361	0	246	0	365	0	365	0	-72	0	0	0	14	0	14	0	14	0	0	0
400	359	0	245	0	365	0	364	0	-71	0	6	0	14	0	14	0	14	0	0	0
500	360	0	249	0	365	0	365	0	-71	0	0	0	14	0	14	0	14	0	0	0
600	359	0	248	0	362	0	362	0	-71	0	0	0	14	0	14	0	14	0	0	0
700	363	0	258	0	367	0	368	0	-67	0	-5	0	14	0	14	0	14	0	0	0
800	371	0	259	0	375	0	376	0	-63	0	-9	0	14	0	14	0	14	0	0	0
900	380	0	257	0	384	0	388	0	-60	0	-15	0	14	0	14	0	14	0	0	0
1000	387	0	256	0	391	0	395	0	-59	0	-15	0	14	0	14	0	14	0	0	0
1100	393	0	247	0	397	0	400	0	-58	0	-13	0	14	0	14	0	14	0	0	0
1200	366	0	253	0	365	0	365	0	-65	0	-13	0	14	0	14	0	14	0	4	0
1300	340	0	254	0	343	0	342	0	-70	0	-16	0	14	0	14	0	14	0	8	0
1400	357	0	268	0	353	0	352	0	-63	0	-19	0	14	0	14	0	14	0	0	0
1500	365	0	276	0	357	0	355	0	-59	0	-16	0	14	0	14	0	14	0	1	0
1600	389	0	289	0	374	0	380	0	-44	0	-17	0	14	0	14	0	14	0	0	0
1700	386	0	287	0	369	0	374	0	-52	0	-17	0	14	0	14	0	14	0	0	0
1800	391	0	275	0	370	0	374	0	-54	0	-18	0	14	0	14	0	14	0	0	0
1900	379	0	262	0	369	0	373	0	-62	0	-16	0	14	0	14	0	14	0	0	0
2000	373	0	260	0	369	0	373	0	-64	0	-14	0	14	0	14	0	14	0	0	0
2100	357	0	252	0	362	0	364	0	-68	0	-11	0	14	0	14	0	14	0	0	0
2200	344	0	252	0	360	0	355	0	-65	0	0	0	14	0	14	0	14	0	0	0
2300	339	0	247	0	343	0	330	0	-75	0	7	0	14	0	14	0	14	0	0	0
2400	331	0	242	0	338	0	332	0	-76	0	16	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 19, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	32	0	0	23	46	68	0	0	53	94	44	0	0	30	64
	51	0	0	32	70										
200	34	0	0	27	44	102	0	0	97	107	39	0	0	24	54
	50	0	0	34	75										
300	41	0	0	33	47	127	0	0	118	134	33	0	0	23	43
	46	0	0	26	74										
400	28	0	0	15	37	105	0	0	89	117	23	0	0	7	41
	48	0	0	26	85										
500	38	0	0	31	50	122	0	0	112	138	41	0	0	26	63
	54	0	0	23	81										
600	37	0	0	33	44	104	0	0	87	120	34	0	0	21	48
	64	0	0	32	88										
700	35	0	0	26	51	100	0	0	74	126	41	0	0	22	70
	109	0	0	52	144										
800	39	0	0	25	67	97	0	0	52	136	43	0	0	21	73
	98	0	0	53	124										
900	49	0	0	26	96	86	0	0	48	124	63	0	0	32	94
	81	0	0	63	104										
1000	86	0	0	41	123	107	0	0	49	137	75	0	0	36	111
	86	0	0	74	104										
1100	75	0	0	46	115	93	0	0	57	117	76	0	0	41	114
	79	0	0	64	102										
1200	69	0	0	36	98	90	0	0	57	126	55	0	0	15	100
	72	0	0	63	86										
1300	60	0	0	19	107	75	0	0	33	105	57	0	0	15	88
	72	0	0	60	89										
1400	66	0	0	32	96	89	0	0	65	112	51	0	0	27	90
	87	0	0	75	101										
1500	101	0	0	43	152	139	0	0	90	172	69	0	0	34	118
	132	0	0	112	153										
1600	77	0	0	33	124	114	0	0	61	140	63	0	0	30	103
	111	0	0	91	126										
1700	76	0	0	36	109	98	0	0	51	126	64	0	0	19	103
	75	0	0	66	91										
1800	58	0	0	20	94	75	0	0	37	122	40	0	0	16	71
	50	0	0	42	61										
1900	54	0	0	26	84	70	0	0	40	99	41	0	0	9	77
	42	0	0	33	54										
2000	39	0	0	18	67	45	0	0	27	72	25	0	0	4	52
	54	0	0	44	66										
2100	21	0	0	17	27	44	0	0	39	48	8	0	0	4	20
	23	0	0	13	33										
2200	14	0	0	7	21	36	0	0	32	42	7	0	0	4	20
	25	0	0	17	32										
2300	26	0	0	15	37	41	0	0	27	53	19	0	0	10	30
	41	0	0	29	51										
2400	43	0	0	32	58	87	0	0	68	99	45	0	0	25	61
	48	0	0	35	60										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 19, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	170	0	6	151	186	201	0	2	195	208	177	0	7	146	198
	126	0	5	110	144										
200	196	0	4	184	211	215	0	0	214	216	193	0	6	173	218
	162	0	15	120	232										
300	189	0	4	172	203	218	0	1	215	220	191	0	5	180	224
	195	0	21	74	248										
400	176	0	5	157	190	237	0	1	231	242	211	0	10	170	233
	205	0	13	148	244										
500	204	0	6	187	221	227	0	1	224	232	218	0	7	196	238
	203	0	17	118	264										
600	190	0	5	176	205	229	0	1	224	235	202	0	7	184	221
	205	0	12	135	226										
700	206	0	7	185	245	234	0	4	219	245	218	0	9	188	246
	219	0	4	198	233										
800	204	0	13	161	240	236	0	5	214	253	232	0	11	197	261
	216	0	5	177	226										
900	232	0	17	183	291	236	0	9	200	279	248	0	9	220	286
	215	0	4	197	226										
1000	259	0	11	229	293	254	0	7	217	272	260	0	12	221	291
	232	0	5	210	248										
1100	263	0	14	214	310	263	0	9	226	299	270	0	16	231	323
	235	0	4	223	246										
1200	288	0	19	236	338	293	0	11	253	325	308	0	17	253	365
	278	0	5	260	295										
1300	324	0	21	241	380	311	0	11	256	341	313	0	13	286	413
	308	0	5	293	322										
1400	332	0	14	274	373	320	0	6	300	334	329	0	14	283	361
	337	0	4	326	348										
1500	344	0	12	314	380	344	0	4	327	356	338	0	13	301	381
	357	0	3	350	364										
1600	340	0	16	285	389	343	0	5	317	358	0	0	13	312	398
	3	0	2	356	370										
1700	354	0	11	306	392	346	0	7	316	360	357	0	11	315	388
	1	0	3	351	372										
1800	355	0	16	145	386	342	0	8	317	371	346	0	21	297	392
	354	0	4	340	366										
1900	0	0	13	310	398	353	0	10	320	380	12	0	16	310	422
	0	0	3	351	368										
2000	16	0	13	328	407	12	0	11	338	395	1	0	13	317	404
	7	0	4	355	390										
2100	337	0	11	313	361	20	0	4	370	394	342	0	9	307	359
	32	0	14	349	447										
2200	154	0	39	181	534	101	0	2	459	467	90	0	13	427	472
	131	0	16	107	535										
2300	164	0	19	142	193	129	0	4	481	495	168	0	28	135	228
	124	0	6	105	140										
2400	173	0	6	153	180	174	0	2	167	179	171	0	6	156	190
	122	0	6	106	151										

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METEOROLOGICAL DATA--CK--FOR APRIL 19, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	325	0	238	0	337	0	329	0	-75	0	42	0	14	0	14	0	14	0	0	0
200	324	0	237	0	353	0	327	0	-72	0	64	0	14	0	14	0	14	0	0	0
300	336	0	245	0	383	0	378	0	-63	0	58	0	14	0	14	0	14	0	0	0
400	329	0	234	0	389	0	376	0	-57	0	60	0	14	0	14	0	14	0	0	0
500	346	0	244	0	390	0	389	0	-55	0	37	0	14	0	14	0	14	0	0	0
600	340	0	239	0	383	0	382	0	-55	0	30	0	14	0	14	0	14	0	0	0
700	355	0	263	0	386	0	380	0	-44	0	7	0	14	0	14	0	14	0	0	0
800	372	0	281	0	389	0	383	0	-39	0	0	0	14	0	14	0	14	0	0	0
900	412	0	310	0	396	0	394	0	-30	0	-15	0	14	0	14	0	14	0	0	0
1000	423	0	314	0	404	0	406	0	-30	0	-16	0	14	0	14	0	14	0	0	0
1100	435	0	304	0	410	0	417	0	-23	0	-20	0	14	0	14	0	14	0	0	0
1200	432	0	289	0	409	0	412	0	-30	0	-18	0	14	0	14	0	14	0	0	0
1300	439	0	288	0	399	0	407	0	-40	0	-21	0	14	0	14	0	14	0	0	0
1400	445	0	280	0	394	0	407	0	-44	0	-26	0	14	0	14	0	14	0	0	0
1500	420	0	276	0	392	0	408	0	-45	0	-23	0	14	0	14	0	14	0	0	0
1600	432	0	237	0	394	0	409	0	-46	0	-24	0	14	0	14	0	14	0	0	0
1700	450	0	142	0	400	0	413	0	-43	0	-20	0	14	0	14	0	14	0	0	0
1800	467	0	102	0	412	0	421	0	-43	0	-16	0	14	0	14	0	14	0	0	0
1900	474	0	114	0	427	0	433	0	-33	0	-14	0	14	0	14	0	14	0	0	0
2000	467	0	104	0	450	0	449	0	-39	0	-9	0	14	0	14	0	14	0	0	0
2100	443	0	141	0	451	0	449	0	-60	0	7	0	14	0	14	0	14	0	0	0
2200	426	0	111	0	424	0	403	0	-73	0	22	0	14	0	14	0	14	0	0	0
2300	420	0	108	0	409	0	386	0	-85	0	30	0	14	0	14	0	14	0	0	0
2400	409	0	110	0	418	0	395	0	-79	0	45	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 20, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	44	0	0	35	57	96	0	0	89	102	40	0	0	23	60
	51	0	0	35	68										
200	35	0	0	26	45	141	0	0	133	151	31	0	0	16	53
	59	0	0	40	79										
300	54	0	0	47	65	160	0	0	134	170	36	0	0	20	57
	46	0	0	26	70										
400	49	0	0	35	73	193	0	0	169	210	57	0	0	16	95
	36	0	0	19	75										
500	59	0	0	45	77	188	0	0	170	203	59	0	0	29	98
	67	0	0	35	108										
600	72	0	0	55	100	171	0	0	144	193	60	0	0	31	109
	69	0	0	32	107										
700	80	0	0	51	115	164	0	0	134	197	68	0	0	20	119
	62	0	0	32	107										
800	79	0	0	55	105	146	0	0	115	174	53	0	0	14	87
	52	0	0	35	72										
900	91	0	0	48	135	135	0	0	90	187	68	0	0	31	118
	51	0	0	24	87										
1000	91	0	0	49	141	107	0	0	60	151	72	0	0	38	123
	63	0	0	30	110										
1100	86	0	0	44	145	94	0	0	56	152	64	0	0	23	103
	71	0	0	46	96										
1200	88	0	0	49	146	109	0	0	68	160	73	0	0	28	122
	34	0	0	21	46										
1300	92	0	0	45	139	120	0	0	47	191	83	0	0	42	137
	39	0	0	27	55										
1400	85	0	0	41	125	94	0	0	43	138	76	0	0	40	125
	32	0	0	21	50										
1500	96	0	0	47	147	123	0	0	73	166	92	0	0	52	138
	24	0	0	5	41										
1600	71	0	0	33	112	102	0	0	55	136	69	0	0	31	115
	20	0	0	13	26										
1700	68	0	0	27	102	89	0	0	41	119	59	0	0	28	87
	19	0	0	8	32										
1800	59	0	0	27	93	83	0	0	51	110	48	0	0	21	79
	42	0	0	29	60										
1900	56	0	0	34	92	73	0	0	40	103	46	0	0	5	90
	52	0	0	34	68										
2000	41	0	0	24	60	78	0	0	57	98	40	0	0	16	70
	51	0	0	34	65										
2100	62	0	0	37	112	112	0	0	59	165	69	0	0	34	120
	75	0	0	46	99										
2200	67	0	0	29	105	119	0	0	83	149	75	0	0	42	117
	69	0	0	37	114										
2300	80	0	0	38	128	135	0	0	91	173	54	0	0	23	93
	92	0	0	45	127										
2400	62	0	0	30	87	83	0	0	46	123	48	0	0	4	91
	37	0	0	16	81										

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METEOROLOGICAL DATA--CK--FOR APRIL 20, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	182	0	3	172	190	170	0	1	167	171	181	0	5	168	198
	122	0	6	110	145										
200	176	0	4	166	187	172	0	1	169	174	180	0	9	150	207
	131	0	7	104	173										
300	183	0	3	174	191	180	0	0	178	182	184	0	6	169	209
	133	0	13	98	229										
400	172	0	5	157	196	184	0	0	181	187	177	0	7	153	203
	148	0	28	108	461										
500	171	0	5	153	184	183	0	1	179	187	175	0	8	138	196
	137	0	15	85	231										
600	168	0	4	155	181	180	0	2	171	187	170	0	8	138	193
	139	0	18	106	515										
700	178	0	6	157	207	181	0	3	171	191	177	0	10	135	213
	136	0	15	90	205										
800	182	0	5	168	196	189	0	2	180	195	187	0	11	143	232
	133	0	10	98	175										
900	185	0	6	169	204	187	0	5	170	202	185	0	12	152	223
	137	0	19	104	470										
1000	189	0	9	163	221	196	0	7	176	219	197	0	13	161	235
	205	0	14	146	248										
1100	192	0	12	162	234	192	0	10	170	228	198	0	20	128	268
	216	0	5	197	231										
1200	232	0	18	190	276	229	0	10	200	259	244	0	15	184	284
	227	0	10	169	251										
1300	244	0	16	208	289	244	0	10	215	285	255	0	17	206	302
	235	0	10	206	265										
1400	244	0	17	195	291	253	0	12	203	303	260	0	12	229	295
	236	0	11	195	260										
1500	277	0	13	247	322	275	0	8	245	293	283	0	12	244	311
	292	0	13	246	347										
1600	270	0	14	229	328	265	0	8	232	292	268	0	18	221	310
	270	0	11	254	302										
1700	243	0	15	198	280	248	0	7	226	277	267	0	16	209	304
	267	0	9	246	297										
1800	242	0	13	192	273	233	0	9	206	264	252	0	16	213	295
	211	0	6	187	229										
1900	217	0	10	184	246	219	0	7	202	243	223	0	14	171	265
	209	0	5	190	226										
2000	222	0	12	191	269	228	0	5	207	245	232	0	12	183	275
	211	0	5	184	228										
2100	244	0	16	202	289	242	0	8	216	276	251	0	12	199	286
	224	0	11	189	246										
2200	264	0	12	227	309	274	0	7	252	294	283	0	11	253	317
	244	0	14	214	298										
2300	358	0	11	308	402	356	0	5	336	370	357	0	13	314	393
	12	0	6	358	404										
2400	77	0	25	397	492	46	0	12	385	443	69	0	27	77	521
	71	0	44	338	506										

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METEOROLOGICAL DATA--CK--FOR APRIL 20, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	390	0	123	0	412	0	390	0	-83	0	75	0	14	0	14	0	14	0	0	0
200	386	0	135	0	426	0	417	0	-73	0	80	0	14	0	14	0	14	0	0	0
300	400	0	116	0	431	0	426	0	-70	0	60	0	14	0	14	0	14	0	0	0
400	398	0	119	0	427	0	426	0	-72	0	59	0	14	0	14	0	14	0	0	0
500	399	0	127	0	442	0	438	0	-61	0	48	0	14	0	14	0	14	0	0	0
600	418	0	131	0	446	0	445	0	-57	0	17	0	14	0	14	0	14	0	0	0
700	421	0	135	0	448	0	448	0	-56	0	3	0	14	0	14	0	14	0	0	0
800	430	0	150	0	463	0	463	0	-45	0	2	0	14	0	14	0	14	0	0	0
900	465	0	164	0	489	0	489	0	-24	0	-8	0	14	0	14	0	14	0	0	0
1000	526	0	220	0	525	0	525	0	4	0	-15	0	14	0	14	0	14	0	0	0
1100	579	0	269	0	510	0	513	0	14	0	-17	0	14	0	14	0	14	0	0	0
1200	600	0	270	0	517	0	519	0	21	0	-15	0	14	0	13	0	14	0	0	0
1300	618	0	277	0	533	0	538	0	27	0	-20	0	14	0	12	0	14	0	0	0
1400	629	0	281	0	536	0	540	0	33	0	-17	0	14	0	12	0	14	0	0	0
1500	619	0	283	0	545	0	551	0	42	0	-16	0	14	0	12	0	14	0	0	0
1600	628	0	291	0	574	0	574	0	63	0	-17	0	14	0	12	0	14	0	0	0
1700	640	0	304	0	601	0	604	0	74	0	-15	0	14	0	12	0	14	0	0	0
1800	646	0	312	0	627	0	632	0	83	0	-12	0	14	0	12	0	14	0	0	0
1900	646	0	315	0	629	0	632	0	81	0	-9	0	14	0	12	0	14	0	0	0
2000	633	0	309	0	616	0	612	0	70	0	-5	0	14	0	13	0	14	0	0	0
2100	625	0	317	0	583	0	578	0	55	0	-3	0	14	0	14	0	14	0	0	0
2200	568	0	346	0	525	0	527	0	24	0	-1	0	14	0	14	0	14	0	0	0
2300	518	0	357	0	503	0	503	0	14	0	-6	0	14	0	14	0	14	0	0	0
2400	508	0	366	0	519	0	517	0	29	0	0	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 21, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	63	0	0	43	86	113	0	0	96	131	62	0	0	34	96
	66	0	0	50	86										
200	54	0	0	29	92	113	0	0	78	158	62	0	0	37	88
	51	0	0	18	77										
300	90	0	0	42	150	165	0	0	117	211	105	0	0	66	154
	77	0	0	45	132										
400	65	0	0	37	97	120	0	0	94	151	75	0	0	54	96
	78	0	0	46	122										
500	65	0	0	31	122	126	0	0	88	163	86	0	0	47	133
	84	0	0	58	119										
600	59	0	0	30	89	103	0	0	55	123	44	0	0	11	75
	78	0	0	36	140										
700	52	0	0	31	75	84	0	0	61	106	54	0	0	34	75
	69	0	0	49	95										
800	87	0	0	51	132	132	0	0	105	160	72	0	0	26	126
	56	0	0	26	105										
900	99	0	0	58	135	134	0	0	95	162	95	0	0	58	138
	82	0	0	51	127										
1000	95	0	0	49	139	131	0	0	93	157	99	0	0	40	159
	82	0	0	51	139										
1100	96	0	0	42	155	135	0	0	95	179	104	0	0	43	168
	87	0	0	44	142										
1200	75	0	0	39	120	99	0	0	39	147	93	0	0	51	143
	74	0	0	24	119										
1300	85	0	0	36	141	106	0	0	58	152	107	0	0	57	161
	80	0	0	39	121										
1400	74	0	0	41	108	89	0	0	58	121	73	0	0	38	116
	67	0	0	31	113										
1500	77	0	0	36	126	94	0	0	64	121	81	0	0	43	133
	77	0	0	30	133										
1600	72	0	0	28	108	92	0	0	41	122	82	0	0	38	126
	66	0	0	24	106										
1700	127	0	0	77	171	151	0	0	115	177	81	0	0	19	152
	59	0	0	20	112										
1800	101	0	0	66	147	129	0	0	93	161	70	0	0	13	137
	51	0	0	15	105										
1900	88	0	0	51	127	121	0	0	86	156	64	0	0	29	124
	47	0	0	22	86										
2000	84	0	0	55	121	127	0	0	96	158	68	0	0	26	121
	45	0	0	20	86										
2100	60	0	0	31	97	124	0	0	95	143	63	0	0	42	91
	36	0	0	11	65										
2200	47	0	0	29	65	119	0	0	102	139	53	0	0	34	69
	37	0	0	20	60										
2300	63	0	0	28	91	139	0	0	112	168	70	0	0	49	107
	51	0	0	24	84										
2400	56	0	0	32	84	128	0	0	111	145	67	0	0	42	93
	48	0	0	24	73										

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METEOROLOGICAL DATA--CK--FOR APRIL 21, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	75	0	5	420	451	70	0	2	421	438	82	0	6	417	455
	112	0	3	97	124										
200	83	0	7	420	468	77	0	3	428	446	85	0	6	424	470
	105	0	13	47	443										
300	86	0	8	416	479	85	0	3	436	456	91	0	6	430	475
	112	0	8	432	488										
400	97	0	7	431	487	102	0	3	454	472	102	0	5	449	481
	108	0	7	446	486										
500	106	0	12	412	503	109	0	4	459	481	112	0	7	450	488
	107	0	7	427	483										
600	99	0	31	416	515	106	0	20	435	494	107	0	33	103	518
	118	0	18	54	169										
700	89	0	14	421	491	107	0	10	449	485	95	0	12	62	128
	109	0	4	93	120										
800	70	0	6	414	451	68	0	4	418	445	79	0	7	404	463
	98	0	12	412	486										
900	81	0	5	422	465	84	0	3	435	455	90	0	7	426	482
	111	0	8	433	489										
1000	90	0	8	427	486	89	0	4	432	467	95	0	10	419	485
	110	0	9	422	488										
1100	94	0	13	420	487	93	0	9	430	479	96	0	13	420	500
	110	0	10	406	490										
1200	117	0	13	55	155	113	0	11	440	501	112	0	12	443	500
	108	0	16	53	497										
1300	119	0	16	76	158	116	0	11	448	498	116	0	13	73	142
	116	0	9	449	504										
1400	87	0	11	47	117	93	0	10	431	481	101	0	11	71	134
	110	0	13	51	498										
1500	88	0	11	62	130	93	0	12	425	486	109	0	18	64	141
	133	0	15	65	193										
1600	96	0	15	59	140	98	0	13	430	485	101	0	12	73	136
	112	0	17	51	468										
1700	57	0	6	401	433	60	0	5	409	437	63	0	16	366	476
	84	0	40	49	484										
1800	67	0	7	409	445	67	0	5	414	442	71	0	13	27	506
	78	0	28	88	487										
1900	72	0	8	408	460	72	0	7	411	452	80	0	10	390	472
	91	0	23	375	509										
2000	68	0	7	406	453	72	0	4	421	447	74	0	8	407	454
	83	0	26	52	505										
2100	88	0	8	418	481	91	0	3	442	462	93	0	6	431	481
	104	0	15	392	521										
2200	94	0	9	430	483	97	0	3	449	463	98	0	8	436	482
	106	0	11	419	492										
2300	100	0	7	432	490	104	0	2	456	471	102	0	7	442	482
	106	0	12	418	490										
2400	101	0	7	436	480	110	0	2	463	478	108	0	8	449	490
	108	0	12	408	496										

DATA CODES
0=GOOD DATA
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3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 21, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	503	0	376	0	505	0	506	0	28	0	-2	0	14	0	14	0	14	0	0	0
200	505	0	377	0	505	0	505	0	28	0	0	0	14	0	14	0	14	0	0	0
300	497	0	382	0	500	0	500	0	28	0	-7	0	14	0	14	0	14	0	0	0
400	493	0	382	0	498	0	498	0	27	0	-6	0	14	0	14	0	14	0	0	0
500	490	0	380	0	493	0	493	0	25	0	-7	0	14	0	14	0	14	0	0	0
600	484	0	380	0	491	0	491	0	24	0	-4	0	14	0	14	0	14	0	0	0
700	485	0	380	0	489	0	490	0	24	0	-5	0	14	0	14	0	14	0	0	0
800	479	0	383	0	484	0	485	0	23	0	-11	0	14	0	14	0	14	0	0	0
900	483	0	386	0	486	0	488	0	26	0	-14	0	14	0	14	0	14	0	0	0
1000	508	0	396	0	510	0	515	0	39	0	-19	0	14	0	14	0	14	0	0	0
1100	539	0	406	0	539	0	545	0	53	0	-23	0	14	0	14	0	14	0	0	0
1200	567	0	403	0	572	0	580	0	71	0	-18	0	14	0	14	0	14	0	0	0
1300	602	0	409	0	593	0	604	0	78	0	-24	0	14	0	14	0	14	0	0	0
1400	596	0	398	0	602	0	609	0	78	0	-13	0	14	0	14	0	14	0	0	0
1500	610	0	413	0	616	0	624	0	91	0	-17	0	14	0	14	0	14	0	0	0
1600	619	0	404	0	621	0	628	0	91	0	-16	0	14	0	14	0	14	0	0	0
1700	613	0	439	0	630	0	639	0	110	0	-18	0	14	0	14	0	14	0	0	0
1800	606	0	429	0	614	0	621	0	92	0	-13	0	14	0	14	0	14	0	0	0
1900	602	0	422	0	609	0	614	0	86	0	-10	0	14	0	14	0	14	0	0	0
2000	589	0	415	0	595	0	597	0	75	0	-7	0	14	0	14	0	14	0	0	0
2100	576	0	406	0	581	0	583	0	66	0	-2	0	14	0	14	0	14	0	0	0
2200	560	0	408	0	568	0	569	0	60	0	5	0	14	0	14	0	14	0	0	0
2300	556	0	399	0	562	0	563	0	55	0	1	0	14	0	14	0	14	0	0	0
2400	541	0	390	0	549	0	549	0	47	0	6	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR APRIL 22, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	50	0	0	32	66	140	0	0	125	155	56	0	0	41	75
	37	0	0	11	80										
200	55	0	0	25	73	127	0	0	111	145	61	0	0	35	89
	46	0	0	15	74										
300	44	0	0	27	74	105	0	0	73	137	68	0	0	42	102
	65	0	0	37	96										
400	50	0	0	28	77	108	0	0	76	137	79	0	0	52	123
	78	0	0	43	117										
500	58	0	0	34	85	123	0	0	93	145	83	0	0	47	108
	84	0	0	59	111										
600	56	0	0	32	100	129	0	0	82	156	88	0	0	60	110
	79	0	0	53	114										
700	63	0	0	29	102	129	0	0	85	155	93	0	0	64	123
	83	0	0	57	124										
800	70	0	0	43	114	130	0	0	91	167	99	0	0	58	138
	94	0	0	60	139										
900	89	0	0	46	134	131	0	0	72	179	103	0	0	57	157
	103	0	0	63	148										
1000	98	0	0	45	166	146	0	0	70	182	121	0	0	72	164
	103	0	0	59	164										
1100	94	0	0	52	151	139	0	0	71	186	121	0	0	64	197
	82	0	0	47	132										
1200	95	0	0	43	148	148	0	0	96	193	107	0	0	66	159
	80	0	0	35	159										
1300	109	0	0	34	171	154	0	0	66	201	133	0	0	66	186
	111	0	0	61	195										
1400	134	0	0	69	202	204	0	0	153	258	135	0	0	65	217
	99	0	0	39	163										
1500	130	0	0	53	216	189	0	0	90	240	147	0	0	77	217
	80	0	0	31	168										
1600	124	0	0	54	195	180	0	0	110	232	133	0	0	70	235
	83	0	0	45	155										
1700	118	0	0	58	190	181	0	0	115	222	130	0	0	39	205
	96	0	0	41	198										
1800	111	0	0	40	180	171	0	0	90	219	120	0	0	68	183
	103	0	0	53	191										
1900	115	0	0	48	171	183	0	0	131	215	127	0	0	76	186
	68	0	0	36	130										
2000	78	0	0	33	123	155	0	0	94	188	101	0	0	54	142
	76	0	0	35	130										
2100	47	0	0	28	64	115	0	0	96	129	54	0	0	37	81
	37	0	0	21	53										
2200	60	0	0	37	84	150	0	0	134	162	60	0	0	41	85
	44	0	0	31	74										
2300	51	0	0	32	77	140	0	0	105	167	68	0	0	43	95
	49	0	0	31	74										
2400	62	0	0	30	94	140	0	0	110	170	74	0	0	49	111
	56	0	0	33	98										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 22, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	99	0	8	433	483	103	0	1	459	466	102	0	7	444	486
	96	0	24	24	516										
200	91	0	11	426	483	99	0	4	447	467	95	0	10	425	482
	109	0	13	397	498										
300	119	0	7	458	499	126	0	3	477	500	127	0	4	468	501
	125	0	13	98	521										
400	120	0	7	93	139	126	0	3	478	493	126	0	6	459	501
	120	0	6	100	138										
500	114	0	7	85	135	120	0	2	474	487	123	0	6	465	496
	117	0	5	100	138										
600	118	0	8	87	141	121	0	2	473	488	125	0	5	466	496
	116	0	6	96	136										
700	113	0	6	96	136	121	0	2	474	488	115	0	5	460	491
	113	0	5	95	129										
800	108	0	7	77	132	113	0	3	461	486	116	0	9	448	500
	111	0	6	86	127										
900	117	0	10	81	143	119	0	6	462	494	124	0	9	458	505
	113	0	8	81	137										
1000	111	0	9	85	144	113	0	4	462	490	115	0	12	442	498
	113	0	7	78	139										
1100	108	0	10	68	135	112	0	5	456	490	111	0	8	441	503
	113	0	10	57	138										
1200	96	0	9	69	123	98	0	5	447	477	95	0	8	435	483
	111	0	12	55	140										
1300	100	0	15	68	192	101	0	9	447	488	122	0	9	86	142
	112	0	10	59	137										
1400	95	0	11	66	121	97	0	6	439	476	100	0	10	64	127
	113	0	11	46	157										
1500	92	0	9	70	124	95	0	7	441	487	97	0	15	59	131
	99	0	27	49	484										
1600	89	0	12	74	483	90	0	6	433	477	96	0	10	67	127
	108	0	13	418	495										
1700	94	0	12	427	496	98	0	8	433	476	97	0	8	43	122
	110	0	8	68	132										
1800	101	0	12	428	502	100	0	7	443	486	113	0	13	76	139
	118	0	13	94	504										
1900	94	0	8	427	485	97	0	4	443	476	93	0	6	73	116
	105	0	12	52	133										
2000	112	0	8	85	140	112	0	4	458	486	117	0	7	96	134
	116	0	7	446	493										
2100	101	0	7	84	131	112	0	2	467	479	107	0	6	95	127
	107	0	10	429	495										
2200	99	0	6	77	120	106	0	1	463	475	103	0	5	86	125
	111	0	9	425	489										
2300	106	0	7	83	135	113	0	1	467	479	114	0	6	97	133
	113	0	8	422	498										
2400	98	0	7	74	122	107	0	3	455	476	102	0	7	83	127
	117	0	6	90	135										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 22, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	521	0	381	0	529	0	529	0	37	0	16	0	14	0	14	0	14	0	0	0
200	513	0	368	0	519	0	519	0	30	0	7	0	14	0	14	0	14	0	0	0
300	508	0	365	0	516	0	517	0	28	0	7	0	14	0	14	0	14	0	0	0
400	508	0	369	0	518	0	519	0	23	0	1	0	14	0	14	0	14	0	0	0
500	495	0	332	0	506	0	507	0	7	0	5	0	14	0	14	0	14	0	0	0
600	480	0	321	0	489	0	490	0	0	0	3	0	14	0	14	0	14	0	0	0
700	473	0	312	0	480	0	481	0	-6	0	0	0	14	0	14	0	14	0	0	0
800	476	0	299	0	481	0	483	0	-11	0	-7	0	14	0	14	0	14	0	0	0
900	495	0	297	0	496	0	500	0	-2	0	-14	0	14	0	14	0	14	0	0	0
1000	525	0	295	0	523	0	530	0	13	0	-17	0	14	0	14	0	14	0	0	0
1100	547	0	305	0	551	0	558	0	33	0	-19	0	14	0	14	0	14	0	0	0
1200	559	0	312	0	565	0	573	0	42	0	-20	0	14	0	14	0	14	0	0	0
1300	595	0	341	0	597	0	607	0	68	0	-24	0	14	0	14	0	14	0	0	0
1400	601	0	319	0	611	0	621	0	75	0	-22	0	14	0	14	0	14	0	0	0
1500	602	0	318	0	613	0	624	0	78	0	-21	0	14	0	14	0	14	0	0	0
1600	601	0	323	0	609	0	618	0	75	0	-20	0	14	0	14	0	14	0	0	0
1700	599	0	324	0	604	0	614	0	71	0	-19	0	14	0	14	0	14	0	0	0
1800	598	0	310	0	604	0	613	0	70	0	-20	0	14	0	14	0	14	0	0	0
1900	583	0	291	0	593	0	602	0	64	0	-15	0	14	0	14	0	14	0	0	0
2000	556	0	275	0	563	0	567	0	32	0	-4	0	14	0	14	0	14	0	0	0
2100	531	0	281	0	537	0	535	0	12	0	9	0	14	0	14	0	14	0	0	0
2200	508	0	286	0	516	0	515	0	0	0	15	0	14	0	14	0	14	0	0	0
2300	494	0	289	0	503	0	502	0	-5	0	11	0	14	0	14	0	14	0	0	0
2400	482	0	282	0	489	0	490	0	-14	0	5	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 23, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	62	0	0	37	110	139	0	0	109	183	87	0	0	58	124
	61	0	0	27	105										
200	67	0	0	37	110	151	0	0	118	186	94	0	0	56	130
	79	0	0	51	105										
300	79	0	0	45	143	161	0	0	105	216	110	0	0	67	154
	103	0	0	74	145										
400	76	0	0	41	131	159	0	0	91	200	104	0	0	65	142
	114	0	0	79	156										
500	77	0	0	45	129	140	0	0	99	170	107	0	0	72	165
	119	0	0	81	168										
600	80	0	0	44	123	150	0	0	109	187	100	0	0	59	155
	101	0	0	67	139										
700	67	0	0	35	102	142	0	0	96	175	97	0	0	49	130
	90	0	0	55	129										
800	70	0	0	34	102	125	0	0	60	170	103	0	0	52	150
	97	0	0	61	157										
900	98	0	0	55	163	149	0	0	86	195	128	0	0	53	190
	101	0	0	58	149										
1000	109	0	0	56	168	162	0	0	72	209	136	0	0	76	182
	98	0	0	52	167										
1100	91	0	0	36	158	125	0	0	47	174	90	0	0	41	141
	86	0	0	45	129										
1200	99	0	0	46	171	142	0	0	51	192	126	0	0	64	182
	81	0	0	29	148										
1300	105	0	0	48	161	162	0	0	97	206	128	0	0	74	197
	83	0	0	42	154										
1400	105	0	0	54	185	158	0	0	91	208	134	0	0	83	211
	76	0	0	27	165										
1500	119	0	0	56	208	156	0	0	88	241	119	0	0	44	185
	75	0	0	32	150										
1600	100	0	0	49	158	132	0	0	66	194	126	0	0	69	182
	88	0	0	27	169										
1700	81	0	0	43	134	112	0	0	63	185	96	0	0	46	161
	69	0	0	22	142										
1800	73	0	0	34	130	103	0	0	50	157	95	0	0	50	164
	64	0	0	26	113										
1900	73	0	0	39	135	109	0	0	58	161	96	0	0	46	157
	69	0	0	34	119										
2000	54	0	0	29	88	97	0	0	63	127	76	0	0	40	115
	67	0	0	31	116										
2100	41	0	0	32	53	111	0	0	97	135	48	0	0	38	61
	22	0	0	7	39										
2200	38	0	0	26	51	124	0	0	111	141	51	0	0	36	72
	35	0	0	20	51										
2300	58	0	0	36	106	171	0	0	149	199	73	0	0	52	105
	38	0	0	21	72										
2400	69	0	0	34	106	161	0	0	128	194	93	0	0	59	139
	60	0	0	31	112										

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METEOROLOGICAL DATA--CK--FOR APRIL 23, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M					DIR60M					DIR10B				
	DIR10S														
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	99	0	9	78	139	104	0	5	451	478	107	0	9	86	127
	109	0	12	45	133										
200	109	0	8	74	138	112	0	2	463	481	114	0	6	96	137
	117	0	5	103	136										
300	119	0	8	84	145	120	0	2	469	489	124	0	6	103	138
	116	0	5	100	138										
400	110	0	8	76	147	112	0	3	462	482	113	0	7	91	137
	115	0	6	98	134										
500	109	0	6	88	136	113	0	3	465	482	115	0	7	93	133
	115	0	4	103	132										
600	109	0	7	84	134	112	0	2	465	482	117	0	8	93	138
	114	0	5	100	137										
700	115	0	7	93	142	119	0	2	471	487	124	0	6	102	136
	113	0	5	95	129										
800	116	0	10	78	141	119	0	5	461	492	125	0	6	101	140
	116	0	7	93	140										
900	120	0	9	98	145	121	0	3	470	491	129	0	6	107	144
	117	0	7	95	148										
1000	106	0	10	81	147	108	0	5	447	494	112	0	13	87	147
	113	0	10	65	142										
1100	111	0	10	72	148	111	0	6	454	500	117	0	14	86	153
	118	0	10	78	148										
1200	100	0	12	69	141	102	0	8	443	499	111	0	14	87	141
	112	0	17	31	492										
1300	103	0	13	69	134	100	0	9	439	479	105	0	16	68	137
	103	0	20	38	493										
1400	103	0	13	69	136	104	0	8	442	483	102	0	14	47	138
	101	0	22	51	498										
1500	91	0	11	58	122	92	0	7	434	477	100	0	18	57	136
	98	0	25	49	500										
1600	102	0	16	68	150	101	0	12	432	495	102	0	16	414	503
	113	0	15	44	139										
1700	100	0	17	51	146	102	0	12	432	491	113	0	13	443	506
	108	0	36	47	465										
1800	109	0	14	65	154	111	0	8	442	494	108	0	13	75	140
	111	0	24	57	505										
1900	105	0	10	75	138	103	0	7	439	486	115	0	13	87	149
	110	0	14	58	496										
2000	108	0	10	80	157	112	0	6	453	488	122	0	8	88	143
	111	0	8	452	501										
2100	92	0	4	76	108	107	0	1	463	472	93	0	2	82	102
	96	0	16	393	497										
2200	101	0	6	85	124	107	0	1	463	472	107	0	6	92	124
	105	0	11	400	480										
2300	96	0	6	78	117	105	0	1	459	471	97	0	3	88	120
	104	0	14	408	495										
2400	108	0	7	88	141	112	0	2	464	479	111	0	7	92	131
	111	0	8	434	491										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 23, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	467	0	271	0	476	0	477	0	-22	0	4	0	14	0	14	0	14	0	0	0
200	448	0	268	0	456	0	457	0	-33	0	0	0	14	0	14	0	14	0	0	0
300	433	0	237	0	439	0	441	0	-48	0	-3	0	14	0	14	0	14	0	0	0
400	417	0	224	0	425	0	427	0	-60	0	-3	0	14	0	14	0	14	0	0	0
500	408	0	211	0	416	0	418	0	-68	0	-3	0	14	0	14	0	14	0	0	0
600	398	0	204	0	406	0	408	0	-75	0	-3	0	14	0	14	0	14	0	0	0
700	389	0	186	0	397	0	399	0	-83	0	-2	0	14	0	14	0	14	0	0	0
800	398	0	182	0	400	0	403	0	-81	0	-12	0	14	0	14	0	14	0	0	0
900	418	0	197	0	417	0	422	0	-65	0	-16	0	14	0	14	0	14	0	0	0
1000	452	0	207	0	453	0	459	0	-45	0	-23	0	14	0	14	0	14	0	0	0
1100	495	0	225	0	499	0	508	0	-5	0	-22	0	14	0	14	0	14	0	0	0
1200	534	0	252	0	540	0	549	0	24	0	-23	0	14	0	14	0	14	0	0	0
1300	561	0	276	0	569	0	581	0	40	0	-27	0	14	0	14	0	14	0	0	0
1400	581	0	276	0	589	0	601	0	57	0	-27	0	14	0	14	0	14	0	0	0
1500	593	0	271	0	606	0	620	0	69	0	-23	0	14	0	14	0	14	0	0	0
1600	610	0	279	0	616	0	629	0	84	0	-25	0	14	0	14	0	14	0	0	0
1700	619	0	281	0	626	0	639	0	93	0	-23	0	14	0	14	0	14	0	0	0
1800	625	0	277	0	631	0	642	0	89	0	-20	0	14	0	14	0	14	0	0	0
1900	620	0	286	0	625	0	633	0	89	0	-16	0	14	0	14	0	14	0	0	0
2000	600	0	287	0	610	0	616	0	72	0	-6	0	14	0	14	0	14	0	0	0
2100	565	0	287	0	571	0	572	0	33	0	10	0	14	0	14	0	14	0	0	0
2200	537	0	288	0	539	0	535	0	14	0	21	0	14	0	14	0	14	0	0	0
2300	512	0	288	0	519	0	518	0	1	0	21	0	14	0	14	0	14	0	0	0
2400	499	0	280	0	507	0	507	0	-5	0	5	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 24, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	71	0	0	41	105	147	0	0	94	190	93	0	0	55	139
	75	0	0	39	120										
200	52	0	0	36	76	134	0	0	99	157	61	0	0	37	87
	64	0	0	33	102										
300	51	0	0	35	69	117	0	0	93	131	58	0	0	45	75
	37	0	0	23	59										
400	56	0	0	32	78	124	0	0	91	150	49	0	0	21	78
	67	0	0	36	97										
500	47	0	0	33	66	106	0	0	66	129	68	0	0	44	93
	78	0	0	52	108										
600	55	0	0	30	81	121	0	0	86	165	81	0	0	42	105
	78	0	0	51	126										
700	62	0	0	36	95	138	0	0	104	168	84	0	0	54	113
	98	0	0	69	130										
800	76	0	0	41	115	151	0	0	106	183	103	0	0	53	157
	123	0	0	85	164										
900	80	0	0	41	143	132	0	0	58	196	110	0	0	59	153
	125	0	0	84	189										
1000	98	0	0	50	171	141	0	0	63	182	120	0	0	68	165
	136	0	0	75	205										
1100	95	0	0	35	176	119	0	0	63	177	117	0	0	57	173
	105	0	0	47	176										
1200	93	0	0	41	145	120	0	0	60	169	105	0	0	62	160
	98	0	0	44	163										
1300	75	0	0	34	129	99	0	0	44	158	108	0	0	45	182
	84	0	0	46	134										
1400	81	0	0	44	142	108	0	0	45	159	107	0	0	49	184
	91	0	0	42	159										
1500	72	0	0	36	121	99	0	0	42	140	77	0	0	37	138
	71	0	0	25	124										
1600	82	0	0	49	138	112	0	0	64	149	91	0	0	44	146
	76	0	0	32	148										
1700	84	0	0	45	147	109	0	0	57	153	90	0	0	44	158
	92	0	0	38	149										
1800	67	0	0	23	115	98	0	0	46	150	88	0	0	38	151
	80	0	0	34	144										
1900	82	0	0	47	138	140	0	0	91	194	93	0	0	51	135
	82	0	0	48	153										
2000	62	0	0	25	109	105	0	0	55	166	56	0	0	24	120
	67	0	0	28	150										
2100	46	0	0	35	67	133	0	0	113	147	69	0	0	48	90
	54	0	0	30	81										
2200	53	0	0	30	77	122	0	0	93	145	72	0	0	44	98
	34	0	0	12	74										
2300	66	0	0	35	104	129	0	0	74	166	86	0	0	56	115
	89	0	0	58	151										
2400	67	0	0	45	99	155	0	0	124	178	93	0	0	54	127
	87	0	0	59	120										

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METEOROLOGICAL DATA--CK--FOR APRIL 24, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	125	0	7	97	145	127	0	2	480	495	129	0	5	109	140
	120	0	7	101	151										
200	136	0	7	117	168	132	0	2	486	499	137	0	3	123	150
	130	0	11	100	178										
300	101	0	7	73	119	117	0	3	467	485	99	0	5	88	124
	107	0	11	42	133										
400	141	0	5	127	157	136	0	2	490	504	139	0	6	127	159
	121	0	8	101	147										
500	118	0	7	97	137	129	0	2	481	496	122	0	7	102	139
	113	0	4	100	125										
600	121	0	7	95	146	126	0	1	479	491	124	0	5	106	142
	115	0	5	102	133										
700	126	0	8	98	149	130	0	3	481	496	128	0	6	110	145
	117	0	7	101	146										
800	116	0	7	95	146	120	0	2	472	486	121	0	6	103	138
	111	0	4	91	124										
900	121	0	7	92	142	123	0	4	466	495	127	0	6	105	142
	117	0	6	102	140										
1000	131	0	11	96	176	131	0	4	481	506	130	0	7	106	155
	124	0	8	100	145										
1100	135	0	12	93	165	129	0	9	464	507	131	0	8	101	164
	128	0	11	97	171										
1200	120	0	15	84	158	121	0	8	462	507	132	0	10	100	166
	124	0	15	101	511										
1300	122	0	20	71	180	124	0	17	95	522	130	0	10	100	158
	121	0	13	63	181										
1400	127	0	15	71	169	126	0	8	96	149	122	0	17	75	159
	121	0	14	72	164										
1500	119	0	17	69	171	123	0	12	89	148	131	0	15	84	162
	128	0	18	59	514										
1600	128	0	9	103	150	130	0	6	110	157	127	0	11	84	150
	120	0	19	57	202										
1700	130	0	12	98	158	130	0	8	106	159	130	0	14	92	182
	127	0	17	72	202										
1800	132	0	16	87	190	127	0	11	97	162	133	0	14	98	173
	131	0	17	85	516										
1900	131	0	7	103	152	130	0	4	120	143	132	0	6	99	146
	129	0	10	91	163										
2000	138	0	14	87	177	139	0	7	107	157	136	0	9	106	177
	129	0	10	89	169										
2100	127	0	5	98	142	132	0	1	129	135	129	0	4	110	139
	130	0	11	102	174										
2200	112	0	9	87	134	120	0	3	111	129	114	0	10	93	135
	110	0	26	349	513										
2300	105	0	10	71	136	119	0	7	107	134	113	0	13	88	138
	112	0	7	85	132										
2400	131	0	5	110	146	136	0	1	130	141	132	0	3	118	144
	120	0	7	103	148										

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METEOROLOGICAL DATA--CK--FOR APRIL 24, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	482	0	254	0	489	0	491	0	-19	0	1	0	14	0	14	0	14	0	0	0
200	460	0	238	0	473	0	474	0	-32	0	7	0	14	0	14	0	14	0	0	0
300	449	0	218	0	454	0	452	0	-45	0	7	0	14	0	14	0	14	0	0	0
400	442	0	191	0	448	0	449	0	-53	0	5	0	14	0	14	0	14	0	0	0
500	424	0	180	0	434	0	434	0	-63	0	6	0	14	0	14	0	14	0	0	0
600	412	0	179	0	421	0	422	0	-71	0	5	0	14	0	14	0	14	0	0	0
700	407	0	186	0	416	0	418	0	-73	0	3	0	14	0	14	0	14	0	0	0
800	419	0	199	0	422	0	425	0	-66	0	-5	0	14	0	14	0	14	0	0	0
900	455	0	220	0	458	0	462	0	-40	0	-14	0	14	0	14	0	14	0	0	0
1000	501	0	237	0	501	0	507	0	-12	0	-18	0	14	0	14	0	14	0	0	0
1100	551	0	258	0	553	0	562	0	32	0	-18	0	14	0	14	0	14	0	0	0
1200	592	0	275	0	596	0	604	0	63	0	-20	0	14	0	14	0	14	0	0	0
1300	638	0	276	0	636	0	646	0	86	0	-22	0	14	0	14	0	14	0	0	0
1400	660	0	295	0	658	0	668	0	103	0	-24	0	14	0	14	0	14	0	0	0
1500	669	0	308	0	670	0	681	0	114	0	-20	0	14	0	14	0	14	0	0	0
1600	680	0	323	0	686	0	698	0	133	0	-20	0	14	0	14	0	14	0	0	0
1700	694	0	336	0	699	0	709	0	143	0	-18	0	14	0	14	0	14	0	0	0
1800	706	0	352	0	713	0	721	0	147	0	-15	0	14	0	14	0	14	0	0	0
1900	688	0	363	0	696	0	700	0	130	0	-3	0	14	0	14	0	14	0	0	0
2000	681	0	367	0	690	0	694	0	127	0	-5	0	14	0	14	0	14	0	0	0
2100	642	0	359	0	657	0	658	0	99	0	18	0	14	0	14	0	14	0	0	0
2200	626	0	356	0	633	0	632	0	82	0	12	0	14	0	14	0	14	0	0	0
2300	616	0	356	0	627	0	628	0	80	0	4	0	14	0	14	0	14	0	0	0
2400	600	0	348	0	610	0	611	0	67	0	8	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 25, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	99	0	0	58	149	201	0	0	145	232	70	0	0	45	107
	113	0	0	75	162										
200	70	0	0	49	95	145	0	0	112	169	94	0	0	57	125
	106	0	0	70	157										
300	76	0	0	48	104	136	0	0	115	164	93	0	0	62	129
	120	0	0	74	155										
400	63	0	0	39	94	136	0	0	84	174	76	0	0	38	110
	125	0	0	85	172										
500	79	0	0	43	127	174	0	0	124	217	67	0	0	26	127
	117	0	0	73	165										
600	66	0	0	38	88	42	0	0	7	74	57	0	0	23	84
	71	0	0	36	126										
700	44	0	0	18	109	96	0	0	59	139	46	0	0	20	104
	59	0	0	30	91										
800	63	0	0	37	108	139	0	0	101	165	47	0	0	17	85
	67	0	0	43	108										
900	56	0	0	34	83	94	0	0	60	124	73	0	0	43	111
	91	0	0	54	124										
1000	59	0	0	31	105	79	0	0	40	105	72	0	0	35	113
	85	0	0	48	121										
1100	72	0	0	41	106	81	0	0	52	103	65	0	0	27	95
	48	0	0	23	86										
1200	58	0	0	24	95	78	0	0	45	105	68	0	0	24	106
	63	0	0	34	100										
1300	53	0	0	34	84	55	0	0	21	101	51	0	0	15	102
	121	0	0	65	157										
1400	62	0	0	27	97	66	0	0	30	112	48	0	0	13	84
	77	0	0	24	122										
1500	60	0	0	25	95	57	0	0	22	96	51	0	0	19	85
	87	0	0	68	109										
1600	82	0	0	43	123	108	0	0	72	148	60	0	0	31	94
	112	0	0	90	129										
1700	82	0	0	40	126	126	0	0	82	152	61	0	0	30	110
	118	0	0	93	147										
1800	61	0	0	36	92	74	0	0	44	103	52	0	0	22	95
	121	0	0	98	139										
1900	48	0	0	18	80	55	0	0	30	82	41	0	0	18	75
	177	0	0	148	210										
2000	39	0	0	22	67	83	0	0	63	110	23	0	0	4	40
	111	0	0	73	147										
2100	29	0	0	18	51	105	0	0	78	135	24	0	0	10	39
	121	0	0	80	148										
2200	45	0	0	25	67	126	0	0	109	151	28	0	0	13	50
	87	0	0	8	146										
2300	82	0	0	47	142	157	0	0	108	204	61	0	0	23	124
	142	0	0	94	180										
2400	41	0	0	25	63	126	0	0	100	153	32	0	0	14	56
	97	0	0	38	130										

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METEOROLOGICAL DATA--CK--FOR APRIL 25, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	145	0	5	131	165	148	0	2	140	154	143	0	5	128	162
	128	0	6	108	146										
200	130	0	5	113	146	136	0	2	127	143	132	0	3	112	145
	120	0	5	103	141										
300	108	0	7	86	132	124	0	1	120	128	112	0	7	92	131
	111	0	4	98	121										
400	128	0	7	106	153	139	0	3	129	148	132	0	6	106	164
	117	0	4	106	135										
500	153	0	7	137	178	159	0	3	150	167	155	0	9	123	178
	134	0	7	114	170										
600	100	0	37	393	521	38	0	70	12	446	108	0	36	405	524
	117	0	23	45	509										
700	141	0	11	100	169	144	0	4	134	161	148	0	14	99	176
	125	0	8	104	146										
800	149	0	9	126	180	147	0	3	138	156	150	0	14	124	219
	130	0	11	102	164										
900	113	0	16	73	152	122	0	8	88	140	112	0	16	67	143
	112	0	5	85	126										
1000	122	0	12	83	145	124	0	10	96	148	123	0	9	91	145
	110	0	6	86	125										
1100	83	0	9	54	113	87	0	7	65	113	87	0	10	403	485
	108	0	19	42	494										
1200	111	0	19	68	153	109	0	12	83	137	120	0	14	425	517
	111	0	10	432	500										
1300	89	0	24	41	149	100	0	21	65	164	119	0	37	102	503
	11	0	3	364	386										
1400	13	0	19	325	424	35	0	24	346	447	10	0	17	319	430
	358	0	10	311	371										
1500	348	0	14	288	462	351	0	14	327	439	356	0	14	316	386
	12	0	4	365	386										
1600	340	0	11	283	373	338	0	5	328	354	351	0	9	304	383
	6	0	1	363	371										
1700	333	0	9	306	361	342	0	4	323	354	348	0	12	293	396
	10	0	2	362	383										
1800	345	0	14	307	392	357	0	8	323	384	350	0	13	297	388
	11	0	1	368	375										
1900	348	0	16	301	407	10	0	11	335	396	354	0	13	307	390
	10	0	1	366	375										
2000	7	0	21	311	413	39	0	4	386	413	359	0	13	314	401
	11	0	2	364	380										
2100	354	0	19	306	396	26	0	3	376	396	0	0	12	317	394
	11	0	2	364	380										
2200	19	0	14	333	401	32	0	1	386	397	8	0	14	335	409
	14	0	8	360	456										
2300	8	0	10	337	394	17	0	5	360	393	15	0	9	346	404
	11	0	2	366	386										
2400	350	0	24	285	395	28	0	3	378	395	352	0	22	311	408
	9	0	5	359	397										

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METEOROLOGICAL DATA--CK--FOR APRIL 25, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	593	0	354	0	604	0	606	0	65	0	4	0	14	0	14	0	14	0	0	0
200	596	0	369	0	601	0	602	0	66	0	0	0	14	0	14	0	14	0	0	0
300	590	0	381	0	597	0	598	0	67	0	7	0	14	0	14	0	14	0	0	0
400	597	0	394	0	604	0	606	0	74	0	-2	0	14	0	14	0	14	0	0	0
500	594	0	433	0	608	0	609	0	87	0	7	0	14	0	14	0	14	0	0	0
600	547	0	469	0	530	0	529	0	89	0	46	0	14	0	14	0	14	0	55	0
700	561	0	484	0	551	0	542	0	104	0	49	0	14	0	14	0	14	0	3	0
800	572	0	495	0	557	0	550	0	105	0	-7	0	14	0	14	0	14	0	0	0
900	585	0	508	0	573	0	569	0	114	0	-17	0	14	0	14	0	14	0	0	0
1000	619	0	523	0	611	0	614	0	133	0	-16	0	14	0	14	0	14	0	0	0
1100	640	0	532	0	650	0	656	0	153	0	-17	0	14	0	14	0	14	0	0	0
1200	676	0	550	0	675	0	682	0	168	0	-21	0	14	0	14	0	14	0	0	0
1300	701	0	555	0	498	0	503	0	52	0	-16	0	14	0	14	0	14	0	0	0
1400	700	0	548	0	485	0	493	0	43	0	-8	0	14	0	13	0	14	0	0	0
1500	696	0	547	0	575	0	527	0	102	0	-9	0	14	0	12	0	14	0	0	0
1600	687	0	535	0	516	0	525	0	67	0	-19	0	14	0	12	0	14	0	0	0
1700	672	0	527	0	583	0	548	0	106	0	-15	0	14	0	12	0	14	0	0	0
1800	680	0	529	0	555	0	546	0	87	0	-13	0	14	0	12	0	14	0	0	0
1900	682	0	525	0	536	0	540	0	78	0	-3	0	14	0	12	0	14	0	0	0
2000	611	0	473	0	480	0	482	0	37	0	14	0	14	0	12	0	14	0	0	0
2100	593	0	465	0	485	0	482	0	43	0	16	0	14	0	14	0	14	0	0	0
2200	580	0	457	0	509	0	496	0	52	0	32	0	14	0	14	0	14	0	0	0
2300	596	0	468	0	500	0	492	0	48	0	5	0	14	0	14	0	14	0	0	0
2400	556	0	436	0	480	0	477	0	29	0	52	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 26, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	57	0	0	26	94	113	0	0	76	138	54	0	0	30	94
	82	0	0	37	101										
200	34	0	0	18	47	92	0	0	54	131	26	0	0	13	44
	73	0	0	44	91										
300	28	0	0	13	45	87	0	0	69	103	18	0	0	4	38
	30	0	0	10	69										
400	20	0	0	7	33	62	0	0	42	85	13	0	0	4	29
	46	0	0	21	67										
500	33	0	0	7	53	130	0	0	85	159	30	0	0	4	55
	47	0	0	21	78										
600	40	0	0	18	80	137	0	0	118	177	29	0	0	4	75
	42	0	0	15	88										
700	51	0	0	33	82	93	0	0	55	148	36	0	0	12	73
	29	0	0	13	56										
800	40	0	0	22	66	81	0	0	42	117	46	0	0	26	72
	29	0	0	13	49										
900	68	0	0	46	94	90	0	0	53	126	80	0	0	46	113
	66	0	0	34	97										
1000	83	0	0	42	120	99	0	0	59	135	73	0	0	37	118
	60	0	0	24	116										
1100	79	0	0	41	115	89	0	0	42	119	79	0	0	35	120
	74	0	0	44	127										
1200	92	0	0	48	145	109	0	0	72	145	85	0	0	39	134
	77	0	0	28	143										
1300	87	0	0	42	156	118	0	0	62	177	97	0	0	48	170
	66	0	0	33	112										
1400	82	0	0	34	127	102	0	0	51	145	81	0	0	18	129
	58	0	0	20	98										
1500	60	0	0	20	107	77	0	0	25	130	67	0	0	29	118
	118	0	0	77	147										
1600	100	0	0	47	150	105	0	0	68	139	68	0	0	32	114
	88	0	0	74	109										
1700	79	0	0	45	133	128	0	0	74	172	67	0	0	33	110
	147	0	0	123	169										
1800	95	0	0	38	167	141	0	0	70	183	55	0	0	14	131
	178	0	0	94	225										
1900	92	0	0	56	139	110	0	0	76	154	61	0	0	24	115
	144	0	0	81	185										
2000	86	0	0	48	124	110	0	0	76	133	57	0	0	19	106
	90	0	0	53	133										
2100	67	0	0	41	91	122	0	0	91	149	47	0	0	11	84
	72	0	0	29	115										
2200	36	0	0	30	42	75	0	0	66	83	25	0	0	4	47
	25	0	0	14	54										
2300	26	0	0	16	40	101	0	0	88	114	39	0	0	31	46
	54	0	0	36	76										
2400	37	0	0	26	49	109	0	0	86	132	51	0	0	31	64
	54	0	0	35	74										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 26, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	332	0	14	287	376	4	0	10	341	380	344	0	8	323	372
	7	0	9	346	406										
200	360	0	24	301	404	29	0	6	373	399	3	0	28	306	441
	9	0	5	355	390										
300	172	0	23	113	198	70	0	4	421	438	174	0	17	105	200
	219	0	22	176	333										
400	167	0	60	183	531	75	0	9	418	457	184	0	53	191	535
	218	0	28	126	246										
500	93	0	10	397	471	77	0	2	430	440	100	0	14	303	482
	120	0	64	18	377										
600	72	0	6	411	462	85	0	4	434	455	72	0	15	370	455
	200	0	39	93	241										
700	54	0	43	117	510	70	0	28	386	481	58	0	51	121	509
	294	0	64	166	522										
800	105	0	17	428	507	99	0	9	435	483	113	0	17	77	147
	203	0	10	167	234										
900	99	0	11	428	484	102	0	7	438	475	107	0	10	81	144
	109	0	10	41	132										
1000	81	0	11	406	481	82	0	6	423	459	93	0	11	418	489
	108	0	23	32	492										
1100	85	0	12	417	481	89	0	12	418	486	94	0	12	421	496
	110	0	13	43	142										
1200	79	0	17	405	482	85	0	14	418	479	90	0	15	400	493
	114	0	17	74	510										
1300	95	0	14	58	137	93	0	9	432	484	87	0	12	56	127
	110	0	20	72	515										
1400	85	0	17	43	132	89	0	11	422	481	91	0	21	36	238
	107	0	25	87	505										
1500	94	0	19	33	136	90	0	14	409	482	80	0	17	369	491
	8	0	3	361	383										
1600	336	0	7	293	363	346	0	5	334	362	347	0	10	317	373
	357	0	6	344	365										
1700	354	0	13	300	386	358	0	5	340	379	350	0	13	302	381
	8	0	2	362	378										
1800	359	0	10	333	402	3	0	6	339	382	356	0	16	276	396
	9	0	4	361	393										
1900	25	0	9	361	407	18	0	5	360	391	18	0	13	313	444
	12	0	4	363	391										
2000	34	0	7	370	411	29	0	5	374	404	31	0	14	362	465
	15	0	4	357	396										
2100	25	0	10	360	412	27	0	4	376	399	29	0	16	332	454
	16	0	9	354	474										
2200	68	0	11	409	454	61	0	6	412	436	80	0	16	376	458
	59	0	32	367	486										
2300	118	0	6	454	495	104	0	3	456	473	127	0	6	459	499
	110	0	4	457	481										
2400	113	0	5	94	128	123	0	3	476	489	126	0	3	473	496
	107	0	4	447	479										

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METEOROLOGICAL DATA--CK--FOR APRIL 26, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	487	0	376	0	447	0	447	0	4	0	82	0	14	0	14	0	14	0	0	0
200	491	0	381	0	460	0	462	0	13	0	38	0	14	0	14	0	14	0	0	0
300	504	0	390	0	474	0	468	0	22	0	98	0	14	0	14	0	14	0	0	0
400	512	0	396	0	454	0	455	0	8	0	57	0	14	0	14	0	14	0	0	0
500	517	0	409	0	474	0	471	0	20	0	56	0	14	0	14	0	14	0	0	0
600	547	0	446	0	469	0	465	0	16	0	28	0	14	0	14	0	14	0	0	0
700	586	0	463	0	441	0	441	0	-4	0	-5	0	14	0	14	0	14	0	0	0
800	580	0	411	0	463	0	460	0	7	0	-7	0	14	0	14	0	14	0	0	0
900	600	0	382	0	602	0	603	0	75	0	-14	0	14	0	14	0	14	0	0	0
1000	615	0	382	0	621	0	626	0	84	0	-17	0	14	0	14	0	14	0	0	0
1100	639	0	389	0	644	0	652	0	106	0	-17	0	14	0	14	0	14	0	0	0
1200	668	0	387	0	675	0	684	0	127	0	-19	0	14	0	14	0	14	0	0	0
1300	695	0	399	0	703	0	714	0	141	0	-24	0	14	0	14	0	14	0	0	0
1400	711	0	434	0	723	0	735	0	158	0	-19	0	14	0	14	0	14	0	0	0
1500	725	0	467	0	547	0	548	0	63	0	-19	0	14	0	12	0	14	0	0	0
1600	628	0	425	0	505	0	503	0	51	0	27	0	14	0	12	0	14	0	0	0
1700	604	0	424	0	500	0	506	0	38	0	-13	0	14	0	12	0	14	0	0	0
1800	592	0	419	0	517	0	527	0	42	0	-15	0	14	0	12	0	14	0	0	0
1900	607	0	433	0	551	0	549	0	64	0	-14	0	14	0	12	0	14	0	0	0
2000	564	0	417	0	528	0	518	0	50	0	-10	0	14	0	13	0	14	0	0	0
2100	563	0	409	0	514	0	506	0	38	0	-2	0	14	0	14	0	14	0	0	0
2200	561	0	412	0	539	0	522	0	49	0	5	0	14	0	14	0	14	0	0	0
2300	559	0	417	0	568	0	567	0	70	0	18	0	14	0	14	0	14	0	0	0
2400	578	0	435	0	580	0	578	0	81	0	30	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 27, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	40	0	0	28	56	129	0	0	111	144	30	0	0	16	46
	45	0	0	29	73										
200	32	0	0	25	51	99	0	0	80	117	37	0	0	20	61
	15	0	0	5	47										
300	52	0	0	26	101	51	0	0	20	90	40	0	0	17	82
	22	0	0	5	47										
400	17	0	0	6	28	92	0	0	79	104	13	0	0	4	24
	28	0	0	7	44										
500	18	0	0	8	29	55	0	0	44	68	9	0	0	4	26
	21	0	0	9	37										
600	37	0	0	27	51	77	0	0	49	96	37	0	0	21	57
	27	0	0	13	46										
700	17	0	0	9	30	42	0	0	33	51	13	0	0	4	30
	29	0	0	11	49										
800	31	0	0	21	40	51	0	0	45	64	15	0	0	4	37
	13	0	0	5	26										
900	54	0	0	38	75	55	0	0	38	74	34	0	0	10	73
	48	0	0	14	76										
1000	41	0	0	25	70	45	0	0	24	71	32	0	0	6	64
	31	0	0	18	51										
1100	34	0	0	14	59	33	0	0	10	54	29	0	0	4	64
	70	0	0	35	95										
1200	46	0	0	22	70	39	0	0	18	63	37	0	0	4	63
	103	0	0	83	117										
1300	73	0	0	32	119	113	0	0	77	134	54	0	0	30	93
	120	0	0	89	150										
1400	66	0	0	33	109	80	0	0	56	115	58	0	0	29	90
	90	0	0	72	115										
1500	86	0	0	52	132	109	0	0	59	144	53	0	0	26	95
	61	0	0	50	77										
1600	81	0	0	42	137	121	0	0	56	161	68	0	0	34	106
	94	0	0	77	108										
1700	91	0	0	51	159	139	0	0	64	190	85	0	0	43	151
	134	0	0	111	169										
1800	70	0	0	27	119	94	0	0	48	131	57	0	0	27	106
	89	0	0	69	121										
1900	25	0	0	9	51	60	0	0	33	106	19	0	0	4	45
	70	0	0	40	101										
2000	92	0	0	53	130	133	0	0	102	168	81	0	0	30	179
	46	0	0	21	100										
2100	124	0	0	80	181	197	0	0	151	259	122	0	0	64	184
	67	0	0	27	130										
2200	108	0	0	65	163	168	0	0	119	208	109	0	0	61	154
	67	0	0	41	105										
2300	100	0	0	51	157	170	0	0	122	219	99	0	0	62	152
	64	0	0	32	111										
2400	99	0	0	47	143	154	0	0	114	192	117	0	0	62	183
	75	0	0	31	142										

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METEOROLOGICAL DATA--CK--FOR APRIL 27, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	152	0	7	136	170	150	0	3	502	515	147	0	11	137	530
	130	0	9	465	521										
200	106	0	11	77	142	151	0	3	142	161	129	0	8	103	150
	215	0	39	33	405										
300	276	0	9	249	321	257	0	24	194	293	285	0	12	233	328
	286	0	52	65	376										
400	136	0	33	30	171	134	0	4	125	139	133	0	25	87	183
	153	0	44	82	516										
500	27	0	9	370	408	126	0	1	120	129	41	0	20	340	443
	22	0	27	345	466										
600	98	0	5	441	473	127	0	1	122	133	94	0	6	437	477
	98	0	14	393	500										
700	279	0	8	243	297	150	0	3	140	158	270	0	15	207	310
	22	0	39	362	497										
800	69	0	10	414	453	126	0	4	111	135	79	0	29	47	385
	108	0	20	49	150										
900	57	0	10	387	444	63	0	13	38	108	65	0	17	344	469
	17	0	10	362	483										
1000	67	0	19	384	479	70	0	13	376	473	77	0	23	80	505
	24	0	26	346	494										
1100	76	0	24	370	512	97	0	25	63	528	127	0	24	41	499
	13	0	3	364	387										
1200	6	0	30	322	475	6	0	26	325	449	27	0	36	57	452
	10	0	1	366	380										
1300	329	0	10	276	351	345	0	3	332	357	341	0	12	302	378
	8	0	2	363	377										
1400	346	0	15	304	390	341	0	9	317	363	3	0	10	323	393
	11	0	2	365	381										
1500	359	0	8	338	382	349	0	6	320	363	353	0	15	310	399
	4	0	2	357	374										
1600	348	0	14	281	386	353	0	6	324	372	353	0	11	301	390
	1	0	1	356	366										
1700	348	0	13	311	388	354	0	7	328	379	349	0	11	305	379
	5	0	1	359	375										
1800	354	0	17	300	394	354	0	10	328	382	349	0	14	298	391
	1	0	3	355	373										
1900	313	0	35	33	398	50	0	15	360	454	314	0	38	61	360
	10	0	5	358	396										
2000	64	0	6	408	442	65	0	4	414	441	74	0	13	382	465
	71	0	33	33	495										
2100	76	0	6	416	452	77	0	4	426	447	81	0	7	403	461
	90	0	31	38	487										
2200	81	0	6	421	469	85	0	4	436	460	88	0	6	426	475
	106	0	13	72	489										
2300	89	0	7	415	484	91	0	4	439	464	93	0	7	433	485
	107	0	15	51	488										
2400	86	0	7	425	480	86	0	4	435	463	93	0	6	426	483
	105	0	16	47	482										

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METEOROLOGICAL DATA--CK--FOR APRIL 27, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	599	0	447	0	601	0	599	0	94	0	15	0	14	0	14	0	14	0	0	0
200	597	0	450	0	541	0	517	0	57	0	9	0	14	0	14	0	14	0	0	0
300	531	0	403	0	472	0	472	0	15	0	38	0	14	0	14	0	14	0	0	0
400	498	0	373	0	482	0	482	0	17	0	97	0	14	0	14	0	14	0	0	0
500	522	0	394	0	459	0	455	0	8	0	62	0	14	0	14	0	14	0	0	0
600	552	0	421	0	514	0	458	0	43	0	18	0	14	0	14	0	14	0	0	0
700	534	0	415	0	466	0	452	0	17	0	26	0	14	0	14	0	14	0	0	0
800	540	0	420	0	518	0	488	0	48	0	19	0	14	0	14	0	14	0	0	0
900	575	0	437	0	549	0	526	0	73	0	-13	0	14	0	14	0	14	0	0	0
1000	591	0	432	0	570	0	537	0	80	0	-15	0	14	0	14	0	14	0	0	0
1100	618	0	441	0	521	0	512	0	60	0	-11	0	14	0	14	0	14	0	0	0
1200	650	0	464	0	554	0	536	0	74	0	-15	0	14	0	14	0	14	0	0	0
1300	607	0	440	0	548	0	547	0	71	0	-14	0	14	0	14	0	14	0	0	0
1400	639	0	447	0	583	0	571	0	87	0	-19	0	14	0	14	0	14	0	0	0
1500	632	0	438	0	509	0	517	0	56	0	-14	0	14	0	14	0	14	0	0	0
1600	585	0	424	0	478	0	497	0	37	0	-21	0	14	0	14	0	14	0	0	0
1700	589	0	430	0	494	0	510	0	47	0	-21	0	14	0	14	0	14	0	0	0
1800	576	0	430	0	478	0	490	0	37	0	-18	0	14	0	14	0	14	0	0	0
1900	526	0	387	0	462	0	467	0	17	0	24	0	14	0	14	0	14	0	0	0
2000	640	0	438	0	647	0	650	0	116	0	-8	0	14	0	14	0	14	0	0	0
2100	606	0	421	0	610	0	611	0	88	0	-6	0	14	0	14	0	14	0	0	0
2200	584	0	416	0	589	0	591	0	77	0	-7	0	14	0	14	0	14	0	0	0
2300	579	0	410	0	583	0	586	0	72	0	-8	0	14	0	14	0	14	0	0	0
2400	573	0	403	0	578	0	581	0	67	0	-9	0	14	0	14	0	14	0	0	0

DATA CODES
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4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 28, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	101	0	0	58	154	159	0	0	115	206	100	0	0	59	147
	52	0	0	19	102										
200	110	0	0	61	167	171	0	0	120	217	115	0	0	64	159
	64	0	0	36	129										
300	109	0	0	58	166	173	0	0	129	210	112	0	0	64	158
	61	0	0	23	113										
400	81	0	0	43	151	153	0	0	102	207	112	0	0	53	160
	70	0	0	23	126										
500	87	0	0	53	134	159	0	0	117	188	90	0	0	47	139
	53	0	0	28	86										
600	84	0	0	45	132	157	0	0	82	209	71	0	0	34	120
	55	0	0	18	126										
700	114	0	0	56	182	213	0	0	134	287	158	0	0	86	250
	146	0	0	94	218										
800	119	0	0	45	219	212	0	0	142	262	146	0	0	91	226
	152	0	0	82	220										
900	51	0	0	22	102	85	0	0	32	129	56	0	0	27	97
	40	0	0	16	67										
1000	151	0	0	87	239	228	0	0	162	292	160	0	0	81	247
	94	0	0	62	137										
1100	81	0	0	47	145	134	0	0	56	180	75	0	0	32	136
	63	0	0	22	121										
1200	144	0	0	81	257	251	0	0	146	359	196	0	0	105	316
	152	0	0	91	268										
1300	125	0	0	55	215	197	0	0	79	300	164	0	0	83	261
	121	0	0	56	207										
1400	94	0	0	45	170	137	0	0	60	193	123	0	0	63	191
	79	0	0	42	138										
1500	91	0	0	47	133	129	0	0	69	167	108	0	0	61	153
	69	0	0	25	121										
1600	103	0	0	61	165	157	0	0	108	193	129	0	0	67	203
	75	0	0	43	135										
1700	90	0	0	39	142	134	0	0	94	182	107	0	0	59	174
	58	0	0	26	115										
1800	72	0	0	28	135	117	0	0	72	163	95	0	0	58	156
	62	0	0	23	119										
1900	89	0	0	43	160	159	0	0	107	208	100	0	0	53	161
	85	0	0	52	138										
2000	92	0	0	44	149	163	0	0	89	218	104	0	0	64	162
	86	0	0	44	154										
2100	122	0	0	55	219	219	0	0	122	291	165	0	0	107	250
	117	0	0	65	194										
2200	104	0	0	42	179	184	0	0	127	246	139	0	0	69	226
	116	0	0	68	181										
2300	92	0	0	44	152	168	0	0	95	225	123	0	0	72	208
	118	0	0	71	188										
2400	95	0	0	49	164	176	0	0	100	239	134	0	0	77	195
	112	0	0	63	182										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR APRIL 28, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	86	0	7	421	467	89	0	5	435	465	92	0	6	434	476
	101	0	22	307	501										
200	86	0	7	423	478	85	0	3	433	455	90	0	5	429	468
	106	0	15	41	494										
300	85	0	7	422	465	87	0	4	436	458	90	0	6	432	480
	100	0	24	53	499										
400	105	0	8	433	492	106	0	4	452	477	108	0	7	448	488
	119	0	15	72	330										
500	85	0	9	426	472	85	0	4	434	458	90	0	7	431	476
	109	0	13	404	496										
600	150	0	14	132	521	146	0	9	482	528	154	0	17	134	523
	152	0	25	86	515										
700	120	0	8	95	138	121	0	3	109	131	127	0	6	103	139
	120	0	7	97	138										
800	107	0	9	81	132	109	0	5	91	123	112	0	7	87	130
	113	0	5	92	129										
900	103	0	18	433	518	100	0	12	78	137	108	0	16	432	509
	105	0	24	61	491										
1000	87	0	5	430	473	89	0	3	81	103	92	0	6	425	481
	88	0	11	398	470										
1100	144	0	7	116	169	141	0	4	129	155	142	0	9	107	172
	139	0	15	105	215										
1200	110	0	9	80	136	109	0	6	89	125	114	0	7	85	135
	109	0	6	92	127										
1300	122	0	11	75	149	120	0	6	96	140	124	0	7	103	142
	118	0	10	92	152										
1400	110	0	9	84	144	112	0	5	94	127	119	0	8	94	142
	114	0	9	69	138										
1500	95	0	10	67	129	92	0	7	72	109	96	0	10	67	125
	109	0	13	393	495										
1600	104	0	11	73	139	102	0	8	81	118	106	0	10	71	138
	108	0	14	389	495										
1700	89	0	11	57	115	92	0	8	69	108	98	0	11	70	133
	108	0	14	54	174										
1800	98	0	11	64	138	98	0	6	75	118	105	0	9	79	135
	105	0	18	56	508										
1900	103	0	9	66	129	104	0	4	88	116	112	0	9	88	135
	113	0	7	445	487										
2000	102	0	9	75	130	104	0	4	91	116	107	0	8	86	126
	113	0	8	437	494										
2100	112	0	8	82	137	110	0	4	92	122	113	0	7	95	138
	114	0	8	439	501										
2200	115	0	8	88	140	114	0	4	101	128	118	0	8	91	140
	115	0	6	452	495										
2300	114	0	9	87	148	114	0	4	102	128	121	0	7	97	140
	116	0	7	448	504										
2400	121	0	9	94	142	120	0	5	108	134	127	0	6	106	142
	122	0	10	93	158										

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METEOROLOGICAL DATA--CK--FOR APRIL 28, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	567	0	380	0	571	0	573	0	57	0	-9	0	14	0	14	0	14	0	0	0
200	558	0	370	0	562	0	564	0	49	0	-8	0	14	0	14	0	14	0	0	0
300	554	0	365	0	558	0	561	0	46	0	-9	0	14	0	14	0	14	0	0	0
400	535	0	367	0	535	0	536	0	36	0	-5	0	14	0	14	0	14	0	2	0
500	498	0	384	0	491	0	492	0	34	0	-4	0	14	0	14	0	14	0	11	0
600	505	0	363	0	505	0	507	0	28	0	-4	0	14	0	14	0	14	0	1	0
700	465	0	347	0	461	0	460	0	5	0	-9	0	14	0	14	0	14	0	10	0
800	454	0	335	0	454	0	454	0	0	0	-10	0	14	0	14	0	14	0	2	0
900	463	0	338	0	424	0	424	0	141	0	-12	0	14	0	14	0	14	0	0	0
1000	461	0	343	0	417	0	417	0	82	0	-13	0	14	0	14	0	13	0	1	0
1100	458	0	350	0	420	0	420	0	166	0	-15	0	14	0	14	0	14	0	6	0
1200	473	0	369	0	425	0	431	0	88	0	-18	0	14	0	14	0	13	0	2	0
1300	505	0	378	0	487	0	492	0	118	0	-20	0	14	0	14	0	14	0	0	0
1400	514	0	381	0	495	0	500	0	176	0	-17	0	14	0	14	0	14	0	0	0
1500	522	0	386	0	522	0	526	0	161	0	-17	0	14	0	14	0	14	0	0	0
1600	534	0	391	0	540	0	542	0	168	0	-16	0	14	0	14	0	14	0	0	0
1700	543	0	398	0	547	0	551	0	82	0	-16	0	14	0	14	0	14	0	0	0
1800	541	0	395	0	544	0	548	0	53	0	-14	0	14	0	14	0	14	0	0	0
1900	539	0	388	0	541	0	544	0	50	0	-12	0	14	0	14	0	14	0	0	0
2000	537	0	379	0	539	0	542	0	46	0	-10	0	14	0	14	0	14	0	0	0
2100	535	0	353	0	537	0	540	0	35	0	-9	0	14	0	14	0	14	0	0	0
2200	525	0	328	0	527	0	530	0	21	0	-9	0	14	0	14	0	14	0	0	0
2300	517	0	325	0	520	0	522	0	15	0	-9	0	14	0	14	0	14	0	0	0
2400	510	0	321	0	512	0	515	0	11	0	-9	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR APRIL 29, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	64	0	0	30	97	114	0	0	70	139	95	0	0	50	138
	97	0	0	50	157										
200	66	0	0	30	107	121	0	0	79	148	78	0	0	44	105
	71	0	0	30	122										
300	68	0	0	32	111	123	0	0	66	169	96	0	0	57	141
	79	0	0	42	135										
400	64	0	0	37	111	118	0	0	74	162	97	0	0	60	140
	73	0	0	36	110										
500	57	0	0	33	94	108	0	0	61	146	94	0	0	59	144
	76	0	0	44	115										
600	71	0	0	33	118	127	0	0	74	155	93	0	0	44	153
	101	0	0	63	141										
700	27	0	0	14	47	40	0	0	16	74	30	0	0	12	50
	48	0	0	21	78										
800	46	0	0	26	79	75	0	0	47	99	59	0	0	33	91
	40	0	0	17	64										
900	64	0	0	34	93	86	0	0	64	105	71	0	0	36	99
	46	0	0	19	82										
1000	52	0	0	29	88	56	0	0	31	83	59	0	0	34	92
	57	0	0	24	109										
1100	49	0	0	22	77	59	0	0	39	80	49	0	0	19	73
	53	0	0	30	76										
1200	61	0	0	37	95	77	0	0	50	98	65	0	0	34	95
	59	0	0	26	101										
1300	43	0	0	13	82	50	0	0	23	77	36	0	0	4	80
	31	0	0	7	60										
1400	40	0	0	11	78	42	0	0	10	66	45	0	0	23	78
	23	0	0	5	52										
1500	60	0	0	26	97	78	0	0	47	112	56	0	0	33	92
	20	0	0	10	29										
1600	25	0	0	10	41	23	0	0	10	40	19	0	0	4	30
	27	0	0	18	43										
1700	63	0	0	27	104	90	0	0	48	114	61	0	0	31	99
	42	0	0	19	63										
1800	22	0	0	9	47	20	0	0	4	38	19	0	0	4	40
	19	0	0	14	29										
1900	50	0	0	27	83	61	0	0	34	93	44	0	0	19	80
	31	0	0	10	65										
2000	36	0	0	23	55	70	0	0	49	96	41	0	0	16	68
	48	0	0	30	81										
2100	49	0	0	31	70	124	0	0	103	154	31	0	0	9	49
	54	0	0	31	91										
2200	101	0	0	51	192	179	0	0	111	254	89	0	0	29	181
	111	0	0	82	137										
2300	105	0	0	51	198	197	0	0	134	280	112	0	0	59	185
	116	0	0	100	140										
2400	96	0	0	53	145	167	0	0	108	223	123	0	0	64	178
	123	0	0	99	147										

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METEOROLOGICAL DATA--CK--FOR APRIL 29, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	114	0	8	85	141	116	0	4	103	132	127	0	6	95	144
	117	0	8	93	142										
200	104	0	9	79	131	107	0	5	90	123	110	0	9	86	135
	108	0	11	55	140										
300	128	0	8	99	152	125	0	3	111	134	131	0	5	106	144
	117	0	8	88	142										
400	115	0	10	80	143	119	0	5	100	132	122	0	6	103	139
	116	0	8	76	144										
500	115	0	9	89	141	120	0	3	105	131	123	0	7	102	150
	115	0	7	96	141										
600	109	0	8	84	134	113	0	3	102	124	116	0	8	92	144
	111	0	5	91	126										
700	130	0	18	70	186	132	0	6	114	151	137	0	9	101	164
	136	0	14	97	192										
800	108	0	11	65	140	108	0	6	88	120	112	0	10	80	140
	108	0	16	56	497										
900	98	0	9	71	124	96	0	4	80	109	96	0	10	65	124
	111	0	11	411	509										
1000	96	0	16	59	145	96	0	10	71	127	109	0	12	72	138
	111	0	12	402	505										
1100	95	0	14	65	156	95	0	7	72	128	98	0	13	60	135
	114	0	9	80	137										
1200	117	0	15	64	147	114	0	9	89	139	118	0	16	66	151
	110	0	12	60	144										
1300	153	0	39	85	503	159	0	27	82	228	154	0	28	69	508
	120	0	39	70	502										
1400	256	0	23	143	456	275	0	22	175	320	277	0	17	219	326
	326	0	33	263	418										
1500	280	0	14	240	334	273	0	7	253	297	278	0	11	251	314
	329	0	16	264	369										
1600	159	0	26	79	237	166	0	23	92	209	128	0	44	41	226
	341	0	29	278	371										
1700	300	0	16	253	347	298	0	6	283	328	304	0	14	269	347
	6	0	14	310	407										
1800	256	0	61	62	385	195	0	36	51	252	249	0	58	39	349
	332	0	15	307	362										
1900	148	0	17	96	192	153	0	13	122	185	156	0	15	89	189
	207	0	21	121	253										
2000	133	0	9	97	162	147	0	5	135	163	133	0	7	101	162
	121	0	11	83	151										
2100	137	0	6	114	150	146	0	2	142	152	144	0	10	124	178
	133	0	10	108	168										
2200	247	0	14	198	282	255	0	8	229	278	255	0	11	223	284
	234	0	6	219	247										
2300	260	0	12	220	304	264	0	6	244	282	266	0	8	229	286
	249	0	2	239	258										
2400	268	0	12	230	298	272	0	6	255	295	277	0	10	249	302
	269	0	3	261	280										

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METEOROLOGICAL DATA--CK--FOR APRIL 29, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	502	0	330	0	507	0	510	0	12	0	-9	0	14	0	14	0	14	0	0	0
200	499	0	333	0	502	0	504	0	11	0	-10	0	14	0	14	0	14	0	0	0
300	496	0	331	0	499	0	501	0	10	0	-10	0	14	0	14	0	14	0	0	0
400	492	0	334	0	495	0	497	0	10	0	-10	0	14	0	14	0	14	0	0	0
500	489	0	341	0	491	0	494	0	12	0	-10	0	14	0	14	0	14	0	0	0
600	490	0	346	0	491	0	493	0	14	0	-10	0	14	0	14	0	14	0	0	0
700	491	0	345	0	492	0	495	0	14	0	-12	0	14	0	14	0	14	0	0	0
800	492	0	346	0	494	0	497	0	16	0	-13	0	14	0	14	0	14	0	0	0
900	493	0	346	0	498	0	501	0	19	0	-14	0	14	0	14	0	14	0	0	0
1000	502	0	352	0	505	0	509	0	23	0	-14	0	14	0	14	0	14	0	0	0
1100	514	0	364	0	517	0	523	0	35	0	-17	0	14	0	14	0	14	0	0	0
1200	537	0	390	0	545	0	551	0	57	0	-17	0	14	0	14	0	14	0	0	0
1300	561	0	413	0	555	0	561	0	69	0	-18	0	14	0	14	0	14	0	0	0
1400	567	0	415	0	503	0	506	0	39	0	-18	0	14	0	14	0	14	0	0	0
1500	541	0	408	0	494	0	498	0	30	0	-17	0	14	0	14	0	14	0	0	0
1600	561	0	429	0	518	0	519	0	57	0	-14	0	14	0	14	0	14	0	0	0
1700	557	0	426	0	487	0	494	0	42	0	-20	0	14	0	14	0	14	0	0	0
1800	585	0	429	0	519	0	525	0	59	0	-10	0	14	0	14	0	14	0	0	0
1900	606	0	445	0	580	0	568	0	90	0	-15	0	14	0	14	0	14	0	0	0
2000	597	0	437	0	604	0	607	0	92	0	-5	0	14	0	14	0	14	0	0	0
2100	589	0	433	0	599	0	601	0	88	0	5	0	14	0	14	0	14	0	0	0
2200	528	0	393	0	494	0	497	0	31	0	-6	0	14	0	14	0	14	0	0	0
2300	506	0	359	0	480	0	482	0	16	0	-1	0	14	0	14	0	14	0	0	0
2400	463	0	340	0	455	0	456	0	0	0	-7	0	14	0	14	0	14	0	0	0

DATA CODES
0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 30, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	82	0	0	38	150	169	0	0	97	250	96	0	0	46	160
	141	0	0	119	173										
200	81	0	0	36	150	140	0	0	87	213	101	0	0	55	143
	108	0	0	82	139										
300	65	0	0	38	118	117	0	0	72	157	66	0	0	34	108
	91	0	0	76	106										
400	64	0	0	37	103	139	0	0	100	184	83	0	0	56	120
	92	0	0	75	110										
500	58	0	0	26	98	134	0	0	99	180	85	0	0	44	136
	116	0	0	99	137										
600	57	0	0	18	131	125	0	0	79	186	78	0	0	44	117
	115	0	0	95	138										
700	63	0	0	33	124	131	0	0	93	163	81	0	0	48	121
	113	0	0	90	139										
800	64	0	0	25	111	131	0	0	73	185	80	0	0	40	136
	126	0	0	106	141										
900	82	0	0	41	133	134	0	0	71	188	97	0	0	46	150
	137	0	0	112	158										
1000	69	0	0	29	129	102	0	0	50	142	80	0	0	38	135
	113	0	0	99	131										
1100	77	0	0	32	129	106	0	0	37	154	94	0	0	46	143
	116	0	0	97	134										
1200	74	0	0	29	118	120	0	0	77	152	82	0	0	38	127
	113	0	0	96	134										
1300	79	0	0	32	159	112	0	0	76	152	57	0	0	25	98
	82	0	0	67	94										
1400	57	0	0	30	94	64	0	0	39	95	51	0	0	26	89
	47	0	0	39	54										
1500	50	0	0	21	77	57	0	0	24	79	45	0	0	14	97
	33	0	0	23	45										
1600	49	0	0	14	81	54	0	0	9	97	47	0	0	10	75
	30	0	0	21	46										
1700	52	0	0	18	82	66	0	0	38	100	48	0	0	24	73
	57	0	0	51	64										
1800	66	0	0	23	95	75	0	0	41	110	50	0	0	21	77
	74	0	0	66	80										
1900	62	0	0	30	101	75	0	0	39	107	49	0	0	19	81
	96	0	0	83	111										
2000	79	0	0	46	123	99	0	0	74	130	30	0	0	6	69
	125	0	0	104	151										
2100	55	0	0	38	72	96	0	0	80	109	28	0	0	11	62
	29	0	0	15	50										
2200	60	0	0	47	75	126	0	0	107	138	34	0	0	16	60
	37	0	0	23	56										
2300	54	0	0	33	69	118	0	0	95	134	32	0	0	12	65
	45	0	0	25	70										
2400	41	0	0	30	53	105	0	0	94	116	38	0	0	28	50
	33	0	0	22	44										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 30, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	282	0	14	236	331	286	0	7	259	307	292	0	10	267	322
	285	0	3	272	294										
200	269	0	12	235	308	276	0	7	256	305	275	0	9	242	304
	273	0	4	259	285										
300	244	0	12	209	270	249	0	6	231	267	254	0	11	224	280
	229	0	4	217	240										
400	272	0	13	212	311	274	0	4	257	289	282	0	9	256	309
	265	0	4	254	278										
500	282	0	15	235	328	290	0	5	276	306	294	0	8	272	326
	294	0	4	284	305										
600	289	0	17	213	362	291	0	6	275	312	296	0	10	267	331
	295	0	5	282	309										
700	275	0	15	228	321	280	0	6	263	300	285	0	10	255	316
	282	0	4	268	295										
800	286	0	16	222	356	288	0	5	270	307	298	0	9	274	325
	294	0	3	286	305										
900	283	0	16	241	339	286	0	7	255	305	292	0	13	253	326
	289	0	3	281	299										
1000	287	0	20	223	347	288	0	10	252	312	288	0	15	254	341
	287	0	3	279	296										
1100	288	0	24	179	367	288	0	12	252	325	278	0	14	240	326
	282	0	3	274	292										
1200	298	0	19	234	352	297	0	6	273	318	302	0	13	271	344
	295	0	3	283	308										
1300	296	0	19	225	356	301	0	6	282	318	325	0	18	280	382
	300	0	5	286	312										
1400	282	0	24	221	344	290	0	12	257	343	328	0	18	271	394
	321	0	8	306	337										
1500	339	0	21	270	430	316	0	11	265	339	278	0	22	229	357
	330	0	7	309	352										
1600	268	0	31	207	492	296	0	20	195	345	326	0	17	254	406
	337	0	9	305	357										
1700	345	0	20	262	465	336	0	13	289	376	320	0	15	279	363
	0	0	2	351	366										
1800	2	0	14	271	416	352	0	9	322	374	15	0	12	337	413
	5	0	1	361	370										
1900	5	0	13	305	395	354	0	9	327	375	350	0	18	289	417
	8	0	1	364	373										
2000	11	0	9	331	392	6	0	4	349	383	6	0	22	293	493
	8	0	1	363	376										
2100	29	0	4	373	402	33	0	2	384	401	34	0	19	321	497
	73	0	22	369	489										
2200	28	0	3	371	397	41	0	2	396	406	31	0	12	356	447
	87	0	19	379	486										
2300	39	0	6	379	427	41	0	3	393	411	46	0	15	373	456
	93	0	13	414	488										
2400	73	0	4	423	446	67	0	1	424	430	79	0	5	421	452
	101	0	12	419	485										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR APRIL 30, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	457	0	323	0	451	0	452	0	-5	0	-8	0	14	0	14	0	14	0	0	0
200	452	0	314	0	447	0	449	0	-10	0	-8	0	14	0	14	0	14	0	0	0
300	447	0	312	0	441	0	444	0	-11	0	-9	0	14	0	14	0	14	0	0	0
400	436	0	303	0	441	0	442	0	-14	0	-3	0	14	0	14	0	14	0	0	0
500	428	0	295	0	439	0	441	0	-18	0	-6	0	14	0	14	0	14	0	0	0
600	427	0	285	0	431	0	433	0	-25	0	-7	0	14	0	14	0	14	0	0	0
700	425	0	285	0	430	0	432	0	-27	0	-7	0	14	0	14	0	14	0	0	0
800	420	0	287	0	423	0	425	0	-28	0	-11	0	14	0	14	0	14	0	0	0
900	437	0	288	0	425	0	427	0	-28	0	-18	0	14	0	14	0	14	0	0	0
1000	451	0	288	0	427	0	429	0	-30	0	-21	0	14	0	14	0	14	0	0	0
1100	450	0	288	0	426	0	428	0	-25	0	-20	0	14	0	14	0	14	0	0	0
1200	452	0	291	0	424	0	430	0	-24	0	-24	0	14	0	14	0	14	0	0	0
1300	457	0	284	0	425	0	432	0	-28	0	-27	0	14	0	14	0	14	0	0	0
1400	464	0	284	0	430	0	443	0	-25	0	-21	0	14	0	14	0	14	0	0	0
1500	470	0	283	0	436	0	447	0	-17	0	-20	0	14	0	14	0	14	0	0	0
1600	501	0	295	0	449	0	460	0	-4	0	-17	0	14	0	14	0	14	0	0	0
1700	511	0	298	0	461	0	473	0	-2	0	-21	0	14	0	14	0	14	0	0	0
1800	510	0	299	0	477	0	488	0	1	0	-17	0	14	0	14	0	14	0	0	0
1900	520	0	302	0	482	0	490	0	10	0	-15	0	14	0	14	0	14	0	0	0
2000	499	0	293	0	469	0	478	0	1	0	-12	0	14	0	14	0	14	0	0	0
2100	474	0	278	0	480	0	482	0	-17	0	-2	0	14	0	14	0	14	0	0	0
2200	461	0	268	0	468	0	469	0	-25	0	8	0	14	0	14	0	14	0	0	0
2300	452	0	269	0	463	0	463	0	-27	0	6	0	14	0	14	0	14	0	0	0
2400	443	0	270	0	447	0	448	0	-31	0	12	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 1, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	38	0	0	25	48	100	0	0	88	113	40	0	0	24	55
	36	0	0	24	53										
200	48	0	0	28	70	113	0	0	85	126	46	0	0	26	64
	38	0	0	25	62										
300	43	0	0	28	61	99	0	0	78	113	42	0	0	25	64
	41	0	0	25	70										
400	45	0	0	35	64	101	0	0	83	118	41	0	0	26	67
	28	0	0	14	48										
500	48	0	0	35	61	112	0	0	99	126	35	0	0	15	62
	37	0	0	18	70										
600	40	0	0	23	61	102	0	0	80	125	43	0	0	22	62
	40	0	0	26	60										
700	39	0	0	26	54	91	0	0	79	105	39	0	0	23	52
	33	0	0	20	47										
800	51	0	0	29	72	91	0	0	75	107	49	0	0	25	75
	41	0	0	25	69										
900	84	0	0	46	122	98	0	0	64	131	73	0	0	31	137
	50	0	0	17	104										
1000	80	0	0	30	120	93	0	0	51	132	73	0	0	22	124
	62	0	0	28	111										
1100	99	0	0	50	140	117	0	0	71	148	76	0	0	28	138
	60	0	0	22	131										
1200	89	0	0	30	139	105	0	0	36	149	67	0	0	24	136
	147	0	0	118	173										
1300	90	0	0	43	150	116	0	0	64	158	79	0	0	17	134
	150	0	0	122	176										
1400	108	0	0	47	173	146	0	0	93	186	81	0	0	45	154
	147	0	0	123	175										
1500	106	0	0	45	165	155	0	0	81	204	76	0	0	26	147
	144	0	0	112	167										
1600	100	0	0	47	173	153	0	0	87	210	73	0	0	31	134
	141	0	0	122	164										
1700	132	0	0	59	217	170	0	0	73	249	72	0	0	20	147
	190	0	0	135	215										
1800	137	0	0	71	214	202	0	0	120	283	85	0	0	20	153
	199	0	0	145	234										
1900	130	0	0	64	212	186	0	0	120	280	95	0	0	36	181
	195	0	0	110	254										
2000	108	0	0	46	196	164	0	0	82	245	95	0	0	26	200
	196	0	0	119	246										
2100	111	0	0	61	197	175	0	0	91	276	93	0	0	40	153
	201	0	0	133	253										
2200	110	0	0	61	183	168	0	0	107	243	73	0	0	27	140
	198	0	0	150	225										
2300	109	0	0	53	176	164	0	0	96	248	78	0	0	23	152
	150	0	0	88	243										
2400	123	0	0	65	198	178	0	0	120	252	90	0	0	36	185
	144	0	0	73	241										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 1, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	85	0	9	420	464	73	0	2	426	438	90	0	6	428	461
	104	0	11	411	486										
200	77	0	7	417	468	75	0	1	428	440	83	0	5	421	460
	102	0	12	411	484										
300	83	0	8	416	471	76	0	3	426	445	93	0	6	429	479
	109	0	9	430	492										
400	71	0	6	413	449	76	0	2	430	442	80	0	6	420	455
	81	0	22	368	503										
500	62	0	5	406	436	66	0	1	422	433	71	0	11	376	477
	86	0	17	381	484										
600	87	0	7	423	469	91	0	3	442	462	91	0	6	426	474
	108	0	7	439	488										
700	73	0	6	399	448	86	0	1	441	450	83	0	7	417	457
	110	0	10	46	142										
800	84	0	5	424	466	85	0	3	434	453	89	0	6	424	475
	110	0	9	430	504										
900	67	0	9	401	455	69	0	7	407	453	80	0	11	398	476
	98	0	25	36	502										
1000	70	0	13	394	467	78	0	10	414	466	81	0	14	379	482
	112	0	14	63	502										
1100	64	0	12	390	460	63	0	9	389	444	70	0	16	26	477
	39	0	41	310	503										
1200	21	0	41	283	453	21	0	38	326	447	28	0	41	313	467
	3	0	2	356	370										
1300	348	0	12	287	379	350	0	9	320	378	351	0	12	302	400
	6	0	2	362	374										
1400	346	0	13	302	377	348	0	7	330	371	354	0	15	309	392
	2	0	1	356	367										
1500	346	0	10	318	377	351	0	4	334	361	351	0	13	300	397
	8	0	2	362	375										
1600	350	0	10	318	391	353	0	6	329	374	350	0	12	304	378
	5	0	2	360	378										
1700	5	0	10	328	392	359	0	7	338	380	359	0	16	246	401
	9	0	3	364	385										
1800	3	0	9	337	395	1	0	5	343	382	0	0	13	303	395
	9	0	2	363	385										
1900	4	0	10	329	393	1	0	5	344	382	10	0	11	332	433
	10	0	3	364	400										
2000	5	0	12	324	401	1	0	6	341	381	4	0	13	302	413
	9	0	2	361	384										
2100	0	0	9	327	392	0	0	7	338	387	5	0	15	52	404
	10	0	3	364	386										
2200	358	0	10	322	386	357	0	6	340	380	1	0	12	321	405
	5	0	2	360	373										
2300	10	0	9	341	399	5	0	6	339	387	11	0	12	299	425
	18	0	6	365	406										
2400	10	0	8	341	395	9	0	6	348	387	12	0	9	328	394
	17	0	7	359	402										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 1, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	441	0	273	0	451	0	453	0	-29	0	5	0	14	0	14	0	14	0	0	0
200	443	0	277	0	450	0	453	0	-27	0	0	0	14	0	14	0	14	0	0	0
300	444	0	277	0	451	0	454	0	-28	0	-1	0	14	0	14	0	14	0	0	0
400	440	0	273	0	443	0	443	0	-32	0	0	0	14	0	14	0	14	0	0	0
500	433	0	265	0	442	0	443	0	-35	0	7	0	14	0	14	0	14	0	0	0
600	433	0	264	0	440	0	442	0	-36	0	0	0	14	0	14	0	14	0	0	0
700	426	0	265	0	434	0	436	0	-38	0	0	0	14	0	14	0	14	0	0	0
800	432	0	272	0	438	0	442	0	-34	0	-8	0	14	0	14	0	14	0	0	0
900	464	0	277	0	469	0	471	0	-18	0	-16	0	14	0	14	0	14	0	0	0
1000	490	0	277	0	497	0	502	0	-6	0	-18	0	14	0	14	0	14	0	0	0
1100	512	0	276	0	520	0	530	0	17	0	-21	0	14	0	14	0	14	0	0	0
1200	511	0	308	0	439	0	454	0	-7	0	-19	0	14	0	14	0	14	0	0	0
1300	502	0	322	0	449	0	464	0	-6	0	-26	0	14	0	14	0	14	0	0	0
1400	488	0	308	0	446	0	462	0	-7	0	-25	0	14	0	14	0	14	0	0	0
1500	478	0	302	0	448	0	464	0	-10	0	-19	0	14	0	14	0	14	0	0	0
1600	468	0	295	0	446	0	458	0	-14	0	-16	0	14	0	14	0	14	0	0	0
1700	470	0	283	0	443	0	459	0	-14	0	-18	0	14	0	14	0	14	0	0	0
1800	453	0	269	0	444	0	456	0	-23	0	-16	0	14	0	14	0	14	0	0	0
1900	444	0	268	0	437	0	447	0	-25	0	-15	0	14	0	14	0	14	0	0	0
2000	432	0	242	0	431	0	438	0	-37	0	-12	0	14	0	14	0	14	0	0	0
2100	421	0	248	0	426	0	430	0	-41	0	-11	0	14	0	14	0	14	0	0	0
2200	428	0	247	0	428	0	434	0	-40	0	-11	0	14	0	14	0	14	0	0	0
2300	424	0	249	0	425	0	427	0	-44	0	-10	0	14	0	14	0	14	0	0	0
2400	442	0	242	0	433	0	435	0	-41	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 2, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	109	0	0	56	164	157	0	0	86	256	77	0	0	18	174
	120	0	0	56	191										
200	61	0	0	32	113	116	0	0	42	196	64	0	0	22	106
	147	0	0	105	187										
300	110	0	0	46	227	180	0	0	87	270	83	0	0	42	150
	136	0	0	73	202										
400	101	0	0	44	169	159	0	0	84	228	66	0	0	16	135
	183	0	0	142	227										
500	97	0	0	45	157	167	0	0	98	255	73	0	0	27	146
	196	0	0	160	230										
600	104	0	0	61	156	155	0	0	75	220	60	0	0	11	136
	193	0	0	158	224										
700	74	0	0	33	139	130	0	0	71	184	52	0	0	21	106
	163	0	0	134	184										
800	59	0	0	29	115	129	0	0	79	196	60	0	0	22	104
	146	0	0	118	172										
900	72	0	0	33	124	115	0	0	74	163	45	0	0	18	92
	146	0	0	118	162										
1000	58	0	0	22	101	89	0	0	59	112	34	0	0	13	74
	110	0	0	76	154										
1100	54	0	0	28	103	88	0	0	56	131	45	0	0	15	87
	134	0	0	105	158										
1200	63	0	0	33	114	106	0	0	61	152	58	0	0	19	117
	140	0	0	116	167										
1300	76	0	0	37	120	148	0	0	109	169	71	0	0	35	128
	145	0	0	120	159										
1400	70	0	0	27	126	122	0	0	77	155	64	0	0	32	116
	126	0	0	108	139										
1500	71	0	0	26	134	113	0	0	69	177	66	0	0	33	102
	112	0	0	95	132										
1600	82	0	0	33	139	120	0	0	78	151	64	0	0	34	117
	123	0	0	107	142										
1700	57	0	0	22	100	93	0	0	53	132	53	0	0	19	105
	85	0	0	75	103										
1800	61	0	0	24	100	87	0	0	46	115	60	0	0	28	102
	65	0	0	50	76										
1900	59	0	0	24	91	72	0	0	41	96	64	0	0	32	88
	55	0	0	44	64										
2000	40	0	0	22	66	57	0	0	39	75	36	0	0	19	59
	60	0	0	41	81										
2100	38	0	0	24	59	68	0	0	50	81	40	0	0	19	67
	64	0	0	46	79										
2200	52	0	0	30	93	104	0	0	80	126	50	0	0	34	72
	88	0	0	72	108										
2300	49	0	0	29	75	90	0	0	69	125	47	0	0	24	71
	74	0	0	55	91										
2400	44	0	0	22	70	78	0	0	45	106	48	0	0	27	69
	93	0	0	69	111										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 2, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	14	0	9	345	403	13	0	6	356	391	16	0	12	324	443
	19	0	10	361	432										
200	309	0	28	232	369	320	0	15	274	346	324	0	19	252	366
	350	0	7	331	362										
300	5	0	9	334	404	5	0	6	348	385	10	0	13	329	413
	17	0	8	357	425										
400	359	0	12	315	399	355	0	7	334	377	0	0	16	305	425
	4	0	1	359	370										
500	356	0	12	306	391	354	0	7	334	381	356	0	12	306	391
	2	0	2	352	369										
600	356	0	11	328	391	356	0	6	335	376	356	0	14	291	403
	1	0	2	353	369										
700	355	0	12	315	388	349	0	7	321	367	350	0	12	310	389
	351	0	3	342	358										
800	335	0	18	230	410	334	0	6	318	357	334	0	13	289	387
	340	0	3	330	351										
900	352	0	12	306	395	349	0	6	327	365	346	0	16	288	410
	355	0	3	347	362										
1000	347	0	15	276	385	348	0	8	325	379	343	0	16	286	382
	342	0	8	325	379										
1100	338	0	13	279	378	336	0	8	314	362	336	0	14	293	397
	337	0	3	326	348										
1200	326	0	18	266	383	327	0	8	308	355	328	0	12	283	367
	329	0	3	321	337										
1300	314	0	17	262	372	315	0	4	296	330	308	0	12	269	356
	324	0	4	314	336										
1400	323	0	18	247	370	317	0	7	287	339	316	0	11	281	345
	318	0	3	309	333										
1500	328	0	18	274	414	318	0	9	285	342	328	0	14	278	362
	327	0	4	317	337										
1600	341	0	17	271	386	336	0	8	312	360	322	0	14	283	380
	339	0	3	330	348										
1700	322	0	21	244	382	320	0	13	288	357	314	0	17	240	391
	336	0	4	321	350										
1800	291	0	18	233	347	297	0	7	268	322	307	0	13	274	342
	293	0	8	279	317										
1900	287	0	17	243	340	285	0	11	247	321	277	0	12	252	331
	278	0	6	261	295										
2000	262	0	17	208	322	259	0	11	233	297	263	0	16	229	310
	250	0	8	232	273										
2100	261	0	11	228	290	254	0	3	241	264	265	0	10	228	291
	251	0	5	234	264										
2200	255	0	9	220	279	252	0	4	243	266	265	0	6	241	281
	245	0	5	224	260										
2300	253	0	10	220	283	252	0	4	239	262	255	0	9	232	277
	247	0	5	234	267										
2400	242	0	14	197	282	247	0	7	225	265	250	0	10	215	279
	250	0	5	238	261										

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METEOROLOGICAL DATA--CK--FOR MAY 2, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	419	0	259	0	415	0	416	0	-46	0	-11	0	14	0	14	0	14	0	0	0
200	423	0	266	0	425	0	428	0	-33	0	-12	0	14	0	14	0	14	0	0	0
300	410	0	272	0	416	0	415	0	-38	0	-10	0	14	0	14	0	14	0	0	0
400	422	0	288	0	427	0	429	0	-24	0	-12	0	14	0	14	0	14	0	0	0
500	417	0	288	0	423	0	424	0	-24	0	-12	0	14	0	14	0	14	0	0	0
600	417	0	290	0	422	0	423	0	-22	0	-14	0	14	0	14	0	14	0	0	0
700	422	0	300	0	416	0	415	0	-25	0	-14	0	14	0	14	0	14	0	0	0
800	409	0	302	0	404	0	401	0	-25	0	-17	0	14	0	14	0	14	0	0	0
900	402	0	293	0	395	0	393	0	-33	0	-19	0	14	0	14	0	14	0	0	0
1000	402	0	292	0	395	0	394	0	-34	0	-17	0	14	0	14	0	14	0	2	0
1100	401	0	290	0	393	0	394	0	-37	0	-19	0	14	0	14	0	14	0	1	0
1200	406	0	289	0	395	0	398	0	-36	0	-20	0	14	0	14	0	14	0	0	0
1300	406	0	277	0	394	0	399	0	-40	0	-23	0	14	0	14	0	14	0	0	0
1400	412	0	283	0	392	0	397	0	-38	0	-24	0	14	0	14	0	14	0	0	0
1500	423	0	295	0	395	0	403	0	-30	0	-25	0	14	0	14	0	14	0	0	0
1600	422	0	287	0	400	0	409	0	-33	0	-25	0	14	0	14	0	14	0	0	0
1700	444	0	275	0	412	0	420	0	-31	0	-28	0	14	0	14	0	14	0	0	0
1800	448	0	266	0	415	0	422	0	-29	0	-25	0	14	0	14	0	14	0	0	0
1900	437	0	259	0	417	0	423	0	-26	0	-16	0	14	0	14	0	14	0	0	0
2000	424	0	259	0	420	0	428	0	-42	0	-12	0	14	0	14	0	14	0	0	0
2100	415	0	256	0	418	0	424	0	-42	0	-8	0	14	0	14	0	14	0	0	0
2200	409	0	268	0	422	0	427	0	-35	0	-2	0	14	0	14	0	14	0	0	0
2300	418	0	277	0	427	0	431	0	-29	0	-5	0	14	0	14	0	14	0	0	0
2400	429	0	290	0	430	0	435	0	-24	0	-11	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 3, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	73	0	0	30	123	136	0	0	81	177	94	0	0	46	153
	120	0	0	92	162										
200	66	0	0	33	106	124	0	0	69	167	59	0	0	29	106
	109	0	0	95	132										
300	74	0	0	45	137	129	0	0	77	172	75	0	0	41	125
	119	0	0	97	137										
400	56	0	0	23	109	93	0	0	51	142	58	0	0	29	105
	81	0	0	62	96										
500	69	0	0	16	126	122	0	0	57	175	71	0	0	36	117
	120	0	0	90	147										
600	66	0	0	26	124	125	0	0	78	180	73	0	0	33	131
	118	0	0	98	141										
700	67	0	0	30	122	137	0	0	97	182	91	0	0	63	146
	123	0	0	105	148										
800	60	0	0	25	148	123	0	0	64	179	87	0	0	45	154
	126	0	0	104	147										
900	72	0	0	26	135	146	0	0	91	195	68	0	0	31	135
	142	0	0	121	174										
1000	77	0	0	37	126	117	0	0	75	164	61	0	0	21	115
	112	0	0	91	129										
1100	53	0	0	20	83	87	0	0	57	117	54	0	0	18	85
	77	0	0	63	94										
1200	62	0	0	20	91	69	0	0	39	101	51	0	0	31	77
	63	0	0	53	74										
1300	77	0	0	43	104	76	0	0	43	107	71	0	0	44	99
	63	0	0	53	74										
1400	77	0	0	40	125	87	0	0	51	118	79	0	0	37	124
	57	0	0	45	69										
1500	77	0	0	35	109	89	0	0	60	124	85	0	0	46	127
	49	0	0	37	61										
1600	52	0	0	24	85	62	0	0	26	98	69	0	0	41	98
	30	0	0	21	45										
1700	55	0	0	20	84	73	0	0	45	102	48	0	0	26	72
	42	0	0	36	49										
1800	50	0	0	23	80	61	0	0	39	79	59	0	0	36	87
	42	0	0	39	50										
1900	49	0	0	26	73	47	0	0	25	72	53	0	0	34	75
	34	0	0	6	54										
2000	29	0	0	16	45	34	0	0	14	47	29	0	0	4	46
	33	0	0	21	38										
2100	21	0	0	18	26	38	0	0	30	43	18	0	0	11	27
	29	0	0	21	39										
2200	34	0	0	27	43	73	0	0	63	79	21	0	0	8	36
	39	0	0	25	58										
2300	30	0	0	23	38	95	0	0	90	99	23	0	0	9	34
	44	0	0	30	58										
2400	48	0	0	40	65	139	0	0	126	159	26	0	0	4	50
	62	0	0	36	88										

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METEOROLOGICAL DATA--CK--FOR MAY 3, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	260	0	13	205	307	266	0	6	247	284	276	0	9	234	304
	266	0	4	255	275										
200	246	0	10	220	289	253	0	6	234	269	254	0	11	224	295
	244	0	4	232	258										
300	258	0	12	220	292	262	0	6	239	286	266	0	10	239	303
	260	0	4	248	270										
400	256	0	14	197	286	260	0	8	234	282	260	0	13	221	292
	266	0	5	250	280										
500	259	0	15	207	331	263	0	8	236	294	265	0	11	219	292
	259	0	3	248	270										
600	253	0	11	209	288	260	0	8	230	285	264	0	10	235	300
	255	0	3	243	265										
700	272	0	17	237	335	277	0	6	261	294	277	0	9	249	302
	275	0	5	262	286										
800	288	0	18	123	337	295	0	8	269	323	296	0	10	264	332
	291	0	4	276	305										
900	312	0	20	104	373	313	0	7	283	334	317	0	15	272	352
	313	0	4	304	325										
1000	335	0	19	269	386	335	0	9	309	371	352	0	14	287	418
	346	0	3	336	355										
1100	323	0	24	165	393	325	0	10	299	361	354	0	13	304	397
	340	0	7	322	356										
1200	286	0	21	239	363	302	0	9	266	332	310	0	15	267	357
	315	0	4	299	328										
1300	249	0	12	216	282	264	0	10	224	296	267	0	13	233	309
	276	0	5	263	289										
1400	260	0	17	210	310	263	0	10	243	314	285	0	15	230	326
	275	0	5	261	291										
1500	272	0	12	233	314	261	0	6	241	286	274	0	10	239	312
	243	0	5	231	257										
1600	275	0	23	217	385	284	0	16	237	339	264	0	10	226	297
	244	0	7	228	264										
1700	298	0	21	218	351	301	0	9	270	323	297	0	19	251	344
	228	0	3	220	237										
1800	316	0	15	257	363	299	0	9	251	324	269	0	10	242	305
	218	0	2	212	223										
1900	253	0	22	215	346	266	0	18	220	317	272	0	13	243	314
	221	0	11	206	270										
2000	238	0	18	192	290	247	0	13	218	293	263	0	15	183	300
	217	0	4	207	233										
2100	167	0	4	156	175	177	0	4	168	185	164	0	3	154	177
	124	0	5	110	149										
2200	165	0	5	149	182	169	0	1	165	173	158	0	6	139	176
	121	0	5	106	137										
2300	170	0	3	161	180	167	0	0	165	168	168	0	6	146	187
	120	0	5	104	141										
2400	177	0	3	167	185	172	0	0	170	174	174	0	11	132	231
	131	0	7	112	156										

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METEOROLOGICAL DATA--CK--FOR MAY 3, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	436	0	299	0	441	0	444	0	-14	0	-9	0	14	0	14	0	14	0	0	0
200	444	0	301	0	441	0	443	0	-11	0	-8	0	14	0	14	0	14	0	0	0
300	437	0	299	0	442	0	444	0	-12	0	-7	0	14	0	14	0	14	0	0	0
400	437	0	306	0	436	0	438	0	-14	0	-12	0	14	0	14	0	14	0	0	0
500	439	0	308	0	438	0	440	0	-10	0	-10	0	14	0	14	0	14	0	0	0
600	437	0	299	0	441	0	442	0	-11	0	-4	0	14	0	14	0	14	0	0	0
700	438	0	293	0	441	0	444	0	-16	0	-6	0	14	0	14	0	14	0	0	0
800	444	0	295	0	437	0	438	0	-16	0	-13	0	14	0	14	0	14	0	0	0
900	447	0	296	0	432	0	436	0	-20	0	-20	0	14	0	14	0	14	0	0	0
1000	450	0	302	0	431	0	439	0	-22	0	-22	0	14	0	14	0	14	0	0	0
1100	465	0	309	0	426	0	434	0	-16	0	-30	0	14	0	14	0	14	0	0	0
1200	471	0	316	0	425	0	435	0	-16	0	-20	0	14	0	14	0	14	0	0	0
1300	484	0	313	0	437	0	443	0	-16	0	-19	0	14	0	14	0	14	0	0	0
1400	490	0	314	0	442	0	451	0	-14	0	-21	0	14	0	14	0	14	0	0	0
1500	503	0	312	0	451	0	470	0	-6	0	-19	0	14	0	14	0	14	0	0	0
1600	550	0	298	0	473	0	483	0	13	0	-19	0	14	0	14	0	14	0	0	0
1700	591	0	290	0	516	0	518	0	25	0	-23	0	14	0	14	0	14	0	0	0
1800	592	0	301	0	543	0	541	0	37	0	-15	0	14	0	13	0	14	0	0	0
1900	599	0	301	0	553	0	551	0	46	0	-12	0	14	0	12	0	14	0	0	0
2000	596	0	282	0	575	0	564	0	53	0	-12	0	14	0	12	0	14	0	0	0
2100	572	0	270	0	572	0	563	0	34	0	3	0	14	0	12	0	14	0	0	0
2200	551	0	269	0	545	0	532	0	16	0	25	0	14	0	14	0	14	0	0	0
2300	525	0	277	0	541	0	526	0	13	0	51	0	14	0	14	0	14	0	0	0
2400	516	0	265	0	536	0	528	0	11	0	43	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 4, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	46	0	0	34	60	144	0	0	126	157	31	0	0	7	56
	64	0	0	40	91										
200	51	0	0	37	79	154	0	0	138	170	37	0	0	21	68
	75	0	0	47	108										
300	58	0	0	37	75	156	0	0	131	176	45	0	0	21	80
	78	0	0	31	131										
400	52	0	0	37	65	137	0	0	125	155	47	0	0	20	81
	56	0	0	31	84										
500	54	0	0	39	70	137	0	0	121	158	45	0	0	26	65
	63	0	0	33	112										
600	38	0	0	31	45	114	0	0	103	126	29	0	0	16	47
	49	0	0	32	67										
700	42	0	0	36	54	133	0	0	114	153	32	0	0	18	52
	61	0	0	33	93										
800	54	0	0	32	86	127	0	0	102	145	42	0	0	22	76
	72	0	0	33	113										
900	80	0	0	48	130	120	0	0	77	163	72	0	0	38	123
	93	0	0	46	158										
1000	93	0	0	50	135	129	0	0	93	167	84	0	0	40	164
	71	0	0	26	120										
1100	115	0	0	52	181	174	0	0	117	215	88	0	0	32	168
	71	0	0	26	154										
1200	143	0	0	66	225	203	0	0	115	287	118	0	0	52	218
	76	0	0	32	142										
1300	137	0	0	56	231	195	0	0	130	301	94	0	0	37	178
	85	0	0	43	181										
1400	144	0	0	61	241	191	0	0	115	302	111	0	0	42	204
	90	0	0	28	179										
1500	134	0	0	58	234	226	0	0	149	274	97	0	0	22	196
	68	0	0	27	144										
1600	149	0	0	77	237	216	0	0	135	346	107	0	0	25	225
	81	0	0	34	152										
1700	113	0	0	63	182	178	0	0	124	247	96	0	0	22	184
	61	0	0	29	128										
1800	95	0	0	42	151	160	0	0	108	207	79	0	0	40	152
	79	0	0	22	163										
1900	118	0	0	50	197	203	0	0	142	287	86	0	0	44	195
	67	0	0	31	123										
2000	128	0	0	69	232	237	0	0	153	318	108	0	0	42	186
	97	0	0	39	181										
2100	134	0	0	59	203	221	0	0	127	284	105	0	0	47	183
	89	0	0	31	161										
2200	98	0	0	51	174	178	0	0	129	231	77	0	0	38	138
	94	0	0	38	150										
2300	109	0	0	38	183	186	0	0	101	260	75	0	0	21	143
	89	0	0	49	150										
2400	105	0	0	61	160	153	0	0	91	225	64	0	0	14	137
	63	0	0	31	122										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 4, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	176	0	3	163	187	177	0	1	173	182	180	0	8	150	208
	135	0	9	111	172										
200	166	0	4	150	179	171	0	1	165	175	170	0	8	147	193
	136	0	9	109	170										
300	166	0	4	143	182	171	0	1	167	176	170	0	10	139	212
	133	0	11	103	355										
400	169	0	4	159	183	187	0	3	181	200	169	0	7	143	190
	142	0	15	100	262										
500	178	0	4	159	189	214	0	1	208	220	184	0	8	152	205
	175	0	21	106	508										
600	158	0	2	151	166	180	0	2	175	185	160	0	7	134	180
	127	0	7	106	150										
700	166	0	4	156	181	175	0	2	171	180	165	0	8	140	190
	134	0	10	111	184										
800	150	0	7	127	179	170	0	4	155	180	143	0	8	120	165
	132	0	14	99	431										
900	168	0	7	144	188	172	0	5	157	186	165	0	13	116	197
	135	0	9	110	170										
1000	171	0	9	144	196	171	0	6	155	190	172	0	14	129	222
	139	0	24	75	492										
1100	169	0	10	140	196	166	0	6	141	181	167	0	15	131	233
	149	0	29	98	378										
1200	170	0	11	140	204	169	0	7	152	188	163	0	13	129	205
	155	0	36	111	517										
1300	178	0	14	147	218	175	0	8	155	197	179	0	19	134	229
	150	0	30	83	484										
1400	176	0	17	122	213	174	0	16	133	209	183	0	16	129	237
	139	0	19	88	256										
1500	163	0	10	125	190	162	0	7	139	182	160	0	15	121	218
	158	0	33	104	517										
1600	182	0	9	154	210	180	0	8	155	202	187	0	17	133	242
	143	0	19	93	288										
1700	173	0	8	151	202	172	0	4	154	184	178	0	11	140	205
	144	0	29	108	506										
1800	150	0	7	126	178	149	0	5	133	165	149	0	10	123	181
	145	0	19	100	240										
1900	161	0	9	133	187	162	0	5	145	177	163	0	11	124	201
	144	0	24	96	487										
2000	153	0	6	134	174	152	0	4	142	169	151	0	10	109	186
	140	0	17	75	240										
2100	156	0	7	136	177	156	0	4	141	169	158	0	10	123	190
	145	0	21	115	490										
2200	157	0	8	122	179	159	0	3	147	169	159	0	10	134	185
	138	0	12	114	209										
2300	154	0	9	128	182	159	0	6	141	181	155	0	11	121	201
	138	0	11	108	191										
2400	193	0	9	165	216	191	0	6	165	210	199	0	15	142	243
	173	0	28	98	268										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 4, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	498	0	263	0	532	0	528	0	9	0	37	0	14	0	14	0	14	0	0	0
200	489	0	260	0	516	0	514	0	-1	0	28	0	14	0	14	0	14	0	0	0
300	483	0	254	0	509	0	509	0	-6	0	21	0	14	0	14	0	14	0	0	0
400	469	0	252	0	496	0	489	0	-13	0	24	0	14	0	14	0	14	0	0	0
500	467	0	250	0	518	0	513	0	0	0	59	0	14	0	14	0	14	0	0	0
600	455	0	248	0	460	0	451	0	-32	0	29	0	14	0	14	0	14	0	0	0
700	438	0	255	0	467	0	463	0	-25	0	30	0	14	0	14	0	14	0	0	0
800	466	0	287	0	488	0	484	0	-6	0	12	0	14	0	14	0	14	0	0	0
900	529	0	316	0	527	0	527	0	16	0	-16	0	14	0	14	0	14	0	0	0
1000	568	0	325	0	571	0	574	0	41	0	-21	0	14	0	14	0	14	0	0	0
1100	609	0	328	0	615	0	621	0	77	0	-23	0	14	0	14	0	14	0	0	0
1200	626	0	328	0	634	0	643	0	92	0	-24	0	14	0	13	0	14	0	0	0
1300	635	0	326	0	647	0	655	0	98	0	-23	0	14	0	12	0	14	0	0	0
1400	647	0	336	0	656	0	665	0	104	0	-23	0	14	0	12	0	14	0	0	0
1500	637	0	345	0	651	0	657	0	100	0	-17	0	14	0	12	0	14	0	0	0
1600	620	0	343	0	623	0	626	0	80	0	-11	0	14	0	12	0	14	0	0	0
1700	579	0	367	0	584	0	587	0	60	0	-10	0	14	0	14	0	14	0	0	0
1800	569	0	374	0	573	0	576	0	54	0	-8	0	14	0	14	0	14	0	0	0
1900	561	0	376	0	566	0	569	0	53	0	-11	0	14	0	14	0	14	0	0	0
2000	518	0	372	0	524	0	526	0	33	0	-5	0	14	0	14	0	14	0	0	0
2100	500	0	383	0	503	0	503	0	34	0	-13	0	14	0	14	0	14	0	0	0
2200	495	0	392	0	494	0	493	0	38	0	-16	0	14	0	14	0	14	0	0	0
2300	501	0	402	0	498	0	496	0	42	0	-16	0	14	0	14	0	14	0	0	0
2400	513	0	411	0	517	0	518	0	52	0	-15	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 5, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	110	0	0	71	180	154	0	0	101	227	68	0	0	21	122
	68	0	0	28	144										
200	100	0	0	66	171	138	0	0	91	192	77	0	0	30	139
	67	0	0	32	144										
300	76	0	0	39	130	124	0	0	83	169	66	0	0	26	117
	101	0	0	44	138										
400	104	0	0	59	162	154	0	0	102	209	71	0	0	21	160
	75	0	0	36	131										
500	112	0	0	76	198	170	0	0	112	258	84	0	0	24	178
	81	0	0	31	130										
600	94	0	0	62	143	147	0	0	86	193	61	0	0	18	98
	62	0	0	30	107										
700	100	0	0	59	144	155	0	0	88	219	73	0	0	30	144
	71	0	0	33	146										
800	124	0	0	55	209	197	0	0	126	257	106	0	0	50	189
	103	0	0	50	168										
900	121	0	0	58	204	202	0	0	110	281	120	0	0	39	231
	160	0	0	134	186										
1000	131	0	0	57	222	212	0	0	129	313	119	0	0	51	232
	174	0	0	144	204										
1100	118	0	0	57	224	181	0	0	85	269	128	0	0	63	197
	153	0	0	130	188										
1200	135	0	0	72	239	211	0	0	103	291	143	0	0	75	226
	144	0	0	126	165										
1300	173	0	0	77	269	266	0	0	162	344	179	0	0	91	262
	192	0	0	154	233										
1400	122	0	0	63	203	190	0	0	111	261	134	0	0	75	217
	156	0	0	123	196										
1500	113	0	0	61	175	148	0	0	66	220	104	0	0	52	190
	113	0	0	96	133										
1600	108	0	0	53	187	149	0	0	87	219	106	0	0	48	191
	117	0	0	98	137										
1700	90	0	0	28	148	127	0	0	38	210	116	0	0	63	173
	106	0	0	91	136										
1800	63	0	0	26	132	116	0	0	67	180	81	0	0	31	146
	73	0	0	60	88										
1900	61	0	0	18	136	111	0	0	52	192	49	0	0	18	85
	82	0	0	65	99										
2000	71	0	0	33	124	95	0	0	49	146	47	0	0	9	91
	125	0	0	68	159										
2100	68	0	0	31	111	96	0	0	53	139	52	0	0	18	120
	136	0	0	61	178										
2200	62	0	0	40	95	80	0	0	53	107	44	0	0	12	85
	88	0	0	28	150										
2300	61	0	0	34	96	95	0	0	62	125	40	0	0	14	80
	49	0	0	21	94										
2400	66	0	0	28	99	103	0	0	68	138	48	0	0	21	85
	56	0	0	23	124										

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METEOROLOGICAL DATA--CK--FOR MAY 5, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	191	0	8	166	212	193	0	5	174	211	200	0	14	156	254
	179	0	24	103	231										
200	191	0	9	167	216	191	0	6	168	212	197	0	14	116	230
	184	0	26	97	486										
300	215	0	16	174	266	216	0	13	185	255	228	0	20	176	279
	227	0	14	159	255										
400	194	0	8	172	220	195	0	6	180	213	201	0	13	155	251
	177	0	25	98	363										
500	203	0	9	180	227	208	0	7	189	230	211	0	14	168	275
	185	0	19	117	230										
600	188	0	7	171	215	192	0	4	177	208	196	0	12	159	228
	171	0	26	106	314										
700	189	0	6	174	210	193	0	4	181	211	197	0	11	159	231
	175	0	29	95	510										
800	218	0	11	187	253	219	0	6	201	244	224	0	12	181	266
	205	0	11	145	233										
900	227	0	13	194	264	228	0	7	205	254	238	0	11	194	285
	220	0	1	211	226										
1000	237	0	13	200	278	233	0	7	208	255	243	0	13	205	278
	223	0	2	217	228										
1100	233	0	14	201	277	235	0	9	207	265	243	0	11	212	291
	222	0	2	215	229										
1200	241	0	12	209	274	245	0	7	230	271	253	0	9	228	287
	237	0	2	230	245										
1300	265	0	10	234	301	265	0	4	247	278	270	0	8	241	294
	263	0	3	252	271										
1400	249	0	12	218	288	254	0	7	233	276	266	0	13	227	298
	244	0	3	235	254										
1500	247	0	15	216	283	245	0	8	208	268	255	0	14	199	294
	226	0	3	216	236										
1600	249	0	16	200	334	252	0	9	221	281	261	0	14	198	318
	230	0	2	223	239										
1700	274	0	18	222	331	280	0	11	245	308	275	0	12	245	309
	267	0	4	257	281										
1800	306	0	21	240	373	303	0	10	267	335	305	0	12	268	343
	289	0	11	262	307										
1900	311	0	18	251	379	309	0	7	281	327	320	0	15	282	356
	309	0	4	296	321										
2000	5	0	12	331	412	3	0	11	327	392	0	0	22	287	410
	7	0	4	358	393										
2100	5	0	21	296	409	5	0	15	333	396	5	0	22	288	413
	10	0	8	351	424										
2200	14	0	11	345	417	10	0	8	351	406	9	0	16	327	444
	17	0	11	351	463										
2300	17	0	8	356	396	14	0	7	347	392	20	0	13	318	432
	33	0	21	109	465										
2400	13	0	9	342	405	13	0	5	358	388	17	0	10	344	426
	34	0	20	331	488										

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METEOROLOGICAL DATA--CK--FOR MAY 5, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	520	0	410	0	526	0	527	0	55	0	-14	0	14	0	14	0	14	0	0	0
200	523	0	412	0	528	0	528	0	56	0	-14	0	14	0	14	0	14	0	0	0
300	525	0	413	0	514	0	514	0	52	0	-13	0	14	0	14	0	14	0	0	0
400	517	0	409	0	525	0	524	0	53	0	-12	0	14	0	14	0	14	0	3	0
500	531	0	417	0	526	0	527	0	57	0	-9	0	14	0	14	0	14	0	0	0
600	514	0	405	0	528	0	527	0	57	0	-14	0	14	0	14	0	14	0	0	0
700	515	0	413	0	530	0	528	0	60	0	-16	0	14	0	14	0	14	0	0	0
800	540	0	421	0	520	0	519	0	55	0	-12	0	14	0	14	0	14	0	0	0
900	543	0	415	0	506	0	508	0	48	0	-18	0	14	0	14	0	14	0	0	0
1000	537	0	401	0	500	0	505	0	42	0	-21	0	14	0	14	0	14	0	0	0
1100	537	0	393	0	498	0	508	0	39	0	-22	0	14	0	14	0	14	0	0	0
1200	549	0	390	0	506	0	522	0	42	0	-22	0	14	0	14	0	14	0	1	0
1300	516	0	361	0	490	0	496	0	23	0	-27	0	14	0	14	0	14	0	0	0
1400	514	0	344	0	472	0	490	0	9	0	-31	0	14	0	14	0	14	0	0	0
1500	530	0	336	0	489	0	509	0	19	0	-21	0	14	0	14	0	14	0	0	0
1600	556	0	332	0	510	0	531	0	37	0	-26	0	14	0	14	0	14	0	0	0
1700	535	0	294	0	493	0	499	0	14	0	-24	0	14	0	14	0	14	0	0	0
1800	514	0	269	0	475	0	480	0	2	0	-24	0	14	0	14	0	14	0	0	0
1900	495	0	254	0	473	0	480	0	-9	0	-15	0	14	0	14	0	14	0	0	0
2000	462	0	286	0	459	0	468	0	-12	0	-12	0	14	0	14	0	14	0	0	0
2100	439	0	261	0	443	0	450	0	-32	0	-10	0	14	0	14	0	14	0	0	0
2200	429	0	248	0	434	0	437	0	-41	0	-11	0	14	0	14	0	14	0	0	0
2300	415	0	238	0	418	0	419	0	-55	0	-8	0	14	0	14	0	14	0	0	0
2400	399	0	222	0	404	0	405	0	-67	0	-7	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 6, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	66	0	0	37	108	110	0	0	75	148	41	0	0	10	82
	65	0	0	23	130										
200	56	0	0	36	82	100	0	0	75	130	36	0	0	18	69
	78	0	0	29	162										
300	55	0	0	32	82	98	0	0	72	119	36	0	0	10	86
	66	0	0	22	136										
400	49	0	0	23	81	96	0	0	61	119	31	0	0	8	69
	80	0	0	31	147										
500	56	0	0	34	92	92	0	0	57	120	38	0	0	17	69
	20	0	0	5	37										
600	35	0	0	26	42	80	0	0	64	91	19	0	0	5	31
	21	0	0	6	37										
700	48	0	0	31	70	81	0	0	57	96	28	0	0	9	47
	33	0	0	16	55										
800	59	0	0	38	81	78	0	0	52	113	38	0	0	9	71
	33	0	0	15	71										
900	57	0	0	24	116	71	0	0	37	119	35	0	0	4	85
	34	0	0	12	76										
1000	56	0	0	22	96	72	0	0	38	101	56	0	0	16	105
	43	0	0	19	70										
1100	27	0	0	10	38	28	0	0	17	49	27	0	0	14	40
	34	0	0	11	59										
1200	47	0	0	28	63	40	0	0	10	61	37	0	0	4	61
	96	0	0	40	151										
1300	75	0	0	26	129	116	0	0	75	164	51	0	0	14	91
	134	0	0	97	182										
1400	103	0	0	45	174	161	0	0	102	210	61	0	0	13	146
	163	0	0	130	201										
1500	91	0	0	40	163	162	0	0	83	214	74	0	0	26	142
	146	0	0	109	192										
1600	104	0	0	43	171	154	0	0	83	216	72	0	0	30	129
	141	0	0	109	174										
1700	100	0	0	30	160	143	0	0	74	194	68	0	0	26	134
	135	0	0	103	165										
1800	57	0	0	25	110	121	0	0	77	171	55	0	0	20	103
	129	0	0	99	163										
1900	57	0	0	20	125	112	0	0	58	159	56	0	0	25	99
	125	0	0	90	162										
2000	65	0	0	27	119	115	0	0	69	151	49	0	0	19	115
	127	0	0	94	165										
2100	48	0	0	19	82	95	0	0	59	129	49	0	0	22	97
	101	0	0	79	126										
2200	64	0	0	28	105	113	0	0	74	145	54	0	0	25	115
	128	0	0	89	163										
2300	60	0	0	24	99	101	0	0	62	148	41	0	0	15	84
	116	0	0	83	151										
2400	60	0	0	24	117	98	0	0	49	140	44	0	0	14	83
	122	0	0	81	161										

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METEOROLOGICAL DATA--CK--FOR MAY 6, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	19	0	10	350	406	18	0	6	361	396	25	0	17	303	468
	26	0	16	349	445										
200	13	0	10	327	403	14	0	6	354	387	11	0	21	303	434
	21	0	16	346	467										
300	17	0	8	354	404	15	0	3	366	383	20	0	14	314	463
	28	0	20	347	478										
400	15	0	12	330	400	16	0	5	358	387	20	0	17	239	422
	21	0	14	360	448										
500	16	0	7	350	397	19	0	4	368	394	20	0	10	352	431
	16	0	31	81	465										
600	56	0	3	403	429	48	0	2	402	415	79	0	19	136	520
	122	0	26	95	528										
700	48	0	4	395	420	42	0	4	385	411	63	0	12	392	457
	91	0	16	392	485										
800	44	0	12	369	431	40	0	9	373	423	52	0	25	335	510
	94	0	24	377	509										
900	47	0	11	370	429	46	0	7	371	427	49	0	20	359	484
	81	0	32	36	525										
1000	87	0	14	397	482	83	0	9	415	470	90	0	13	44	145
	65	0	34	340	495										
1100	188	0	24	63	224	159	0	30	103	228	216	0	11	169	251
	145	0	29	30	238										
1200	180	0	21	115	211	189	0	12	139	218	183	0	23	100	398
	359	0	9	336	383										
1300	359	0	20	283	399	347	0	14	304	378	350	0	22	246	426
	351	0	6	335	364										
1400	346	0	10	311	381	341	0	5	316	352	339	0	19	256	405
	337	0	6	324	354										
1500	323	0	20	264	375	324	0	10	306	356	324	0	18	254	402
	338	0	7	323	360										
1600	345	0	18	279	386	344	0	10	321	364	349	0	20	291	417
	346	0	5	336	358										
1700	341	0	18	256	382	334	0	13	302	374	325	0	11	286	369
	336	0	6	318	352										
1800	328	0	25	50	377	320	0	10	295	366	322	0	12	278	355
	333	0	5	318	350										
1900	330	0	22	216	384	323	0	10	296	347	321	0	15	289	375
	328	0	6	315	351										
2000	333	0	15	280	374	326	0	8	305	352	327	0	13	297	364
	334	0	8	312	354										
2100	330	0	21	231	381	326	0	8	307	350	324	0	11	282	353
	330	0	8	316	353										
2200	331	0	18	282	395	333	0	9	307	356	332	0	15	284	375
	340	0	6	321	355										
2300	338	0	14	280	383	334	0	8	303	366	337	0	15	284	394
	340	0	7	319	360										
2400	337	0	14	246	379	335	0	9	309	356	338	0	14	264	381
	336	0	6	316	350										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR MAY 6, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	389	0	208	0	397	0	398	0	-73	0	-6	0	14	0	14	0	14	0	0	0
200	384	0	192	0	394	0	394	0	-79	0	-4	0	14	0	14	0	14	0	0	0
300	377	0	183	0	386	0	386	0	-85	0	-4	0	14	0	14	0	14	0	0	0
400	369	0	183	0	382	0	382	0	-82	0	-4	0	14	0	14	0	14	0	0	0
500	362	0	196	0	368	0	368	0	-91	0	-4	0	14	0	14	0	14	0	0	0
600	344	0	194	0	355	0	354	0	-90	0	1	0	14	0	14	0	14	0	0	0
700	343	0	183	0	352	0	353	0	-98	0	-3	0	14	0	14	0	14	0	0	0
800	354	0	191	0	361	0	365	0	-91	0	-12	0	14	0	14	0	14	0	0	0
900	366	0	186	0	371	0	376	0	-87	0	-15	0	14	0	14	0	14	0	0	0
1000	371	0	194	0	376	0	381	0	-83	0	-16	0	14	0	14	0	14	0	0	0
1100	350	0	204	0	351	0	354	0	-85	0	-11	0	14	0	14	0	14	0	0	0
1200	342	0	224	0	363	0	369	0	-89	0	-12	0	14	0	14	0	14	0	3	0
1300	371	0	189	0	365	0	374	0	-84	0	-18	0	14	0	14	0	14	0	0	0
1400	354	0	190	0	354	0	363	0	-88	0	-16	0	14	0	14	0	14	0	0	0
1500	376	0	175	0	365	0	374	0	-87	0	-25	0	14	0	14	0	14	0	0	0
1600	380	0	178	0	365	0	378	0	-81	0	-25	0	14	0	14	0	14	0	0	0
1700	377	0	187	0	363	0	375	0	-81	0	-23	0	14	0	14	0	14	0	0	0
1800	366	0	174	0	359	0	368	0	-92	0	-19	0	14	0	14	0	14	0	0	0
1900	361	0	159	0	357	0	365	0	-99	0	-17	0	14	0	14	0	14	0	0	0
2000	349	0	174	0	353	0	361	0	-94	0	-15	0	14	0	14	0	14	0	0	0
2100	345	0	173	0	347	0	353	0	-98	0	-12	0	14	0	14	0	14	0	0	0
2200	346	0	179	0	351	0	357	0	-96	0	-13	0	14	0	14	0	14	0	0	0
2300	343	0	179	0	349	0	355	0	-95	0	-12	0	14	0	14	0	14	0	0	0
2400	345	0	164	0	352	0	359	0	-99	0	-12	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 7, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	48	0	0	23	105	94	0	0	59	133	44	0	0	22	85
	122	0	0	73	155										
200	69	0	0	32	130	111	0	0	69	183	46	0	0	16	111
	122	0	0	68	195										
300	68	0	0	27	114	121	0	0	73	179	47	0	0	16	110
	141	0	0	112	179										
400	65	0	0	13	115	102	0	0	61	155	41	0	0	19	84
	143	0	0	108	183										
500	53	0	0	24	93	105	0	0	63	152	40	0	0	18	80
	134	0	0	105	164										
600	54	0	0	18	116	107	0	0	64	155	50	0	0	21	98
	137	0	0	110	175										
700	56	0	0	20	98	111	0	0	75	146	43	0	0	19	74
	119	0	0	95	151										
800	51	0	0	18	107	102	0	0	54	156	61	0	0	30	106
	137	0	0	112	178										
900	68	0	0	18	142	130	0	0	73	197	70	0	0	36	119
	141	0	0	107	186										
1000	74	0	0	31	127	127	0	0	69	173	55	0	0	16	103
	140	0	0	101	177										
1100	80	0	0	37	141	131	0	0	60	197	65	0	0	22	144
	125	0	0	96	153										
1200	96	0	0	50	170	138	0	0	79	187	69	0	0	34	127
	126	0	0	91	153										
1300	92	0	0	40	153	132	0	0	66	183	92	0	0	39	171
	116	0	0	83	150										
1400	85	0	0	27	156	125	0	0	72	185	94	0	0	32	169
	115	0	0	88	145										
1500	78	0	0	31	131	97	0	0	32	152	93	0	0	40	144
	79	0	0	56	107										
1600	86	0	0	44	136	107	0	0	64	156	72	0	0	30	132
	67	0	0	45	90										
1700	79	0	0	33	140	97	0	0	53	132	86	0	0	44	124
	72	0	0	49	94										
1800	63	0	0	26	95	73	0	0	37	107	56	0	0	16	89
	58	0	0	41	80										
1900	61	0	0	21	92	70	0	0	42	100	58	0	0	28	98
	64	0	0	48	80										
2000	37	0	0	14	63	51	0	0	33	76	48	0	0	27	72
	44	0	0	33	55										
2100	22	0	0	12	37	41	0	0	27	61	17	0	0	4	38
	57	0	0	35	82										
2200	28	0	0	20	40	41	0	0	29	53	12	0	0	4	27
	25	0	0	15	39										
2300	15	0	0	8	21	25	0	0	17	30	10	0	0	4	23
	31	0	0	21	40										
2400	24	0	0	16	34	21	0	0	10	36	15	0	0	4	39
	25	0	0	16	38										

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METEOROLOGICAL DATA--CK--FOR MAY 7, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	337	0	16	281	381	331	0	9	298	365	331	0	13	281	369
	337	0	7	318	353										
200	353	0	12	306	391	351	0	8	329	380	354	0	15	276	399
	4	0	8	342	392										
300	345	0	13	292	384	339	0	8	307	367	346	0	14	178	389
	341	0	7	325	359										
400	350	0	18	227	397	344	0	12	301	373	341	0	14	295	382
	347	0	8	325	362										
500	339	0	15	169	379	336	0	7	311	358	340	0	14	287	379
	342	0	8	324	362										
600	328	0	20	255	415	325	0	8	307	350	332	0	14	280	371
	332	0	6	317	347										
700	328	0	20	232	403	320	0	6	304	342	321	0	13	285	363
	321	0	7	304	339										
800	320	0	21	232	389	313	0	8	286	337	312	0	12	283	346
	316	0	8	297	336										
900	308	0	20	216	404	308	0	9	274	329	311	0	15	276	347
	314	0	4	301	325										
1000	331	0	18	273	382	324	0	9	299	351	330	0	17	278	377
	334	0	6	320	353										
1100	324	0	29	254	389	318	0	13	288	343	317	0	18	276	365
	328	0	5	313	342										
1200	302	0	22	178	351	298	0	9	275	326	317	0	15	265	361
	307	0	10	287	326										
1300	280	0	18	233	335	289	0	10	262	330	300	0	12	274	361
	288	0	8	273	310										
1400	289	0	24	236	354	288	0	12	256	345	298	0	14	262	337
	291	0	8	275	312										
1500	261	0	22	203	324	263	0	15	214	316	277	0	11	250	312
	272	0	7	253	287										
1600	263	0	9	231	292	268	0	10	241	317	259	0	23	217	327
	252	0	9	229	275										
1700	260	0	16	200	326	260	0	12	225	296	263	0	16	231	297
	243	0	8	221	262										
1800	262	0	21	200	470	274	0	16	235	342	280	0	21	207	337
	252	0	7	236	276										
1900	259	0	14	226	322	269	0	7	244	305	264	0	19	218	332
	241	0	7	225	269										
2000	305	0	24	162	383	296	0	10	260	327	292	0	13	254	321
	273	0	11	249	297										
2100	324	0	23	259	380	337	0	10	307	372	332	0	13	277	363
	348	0	6	333	362										
2200	58	0	4	410	430	0	0	2	354	370	46	0	24	349	443
	49	0	17	364	452										
2300	180	0	36	68	214	357	0	8	340	368	183	0	15	158	219
	126	0	5	468	498										
2400	210	0	9	187	223	260	0	12	244	284	212	0	11	182	239
	133	0	12	122	513										

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METEOROLOGICAL DATA--CK--FOR MAY 7, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	344	0	179	0	351	0	357	0	-95	0	-11	0	14	0	14	0	14	0	0	0
200	328	0	185	0	342	0	346	0	-97	0	-11	0	14	0	14	0	14	0	0	0
300	343	0	177	0	353	0	359	0	-94	0	-10	0	14	0	14	0	14	0	0	0
400	351	0	180	0	360	0	365	0	-94	0	-10	0	14	0	14	0	14	0	0	0
500	349	0	167	0	362	0	367	0	-94	0	-8	0	14	0	14	0	14	0	0	0
600	354	0	176	0	364	0	371	0	-89	0	-10	0	14	0	14	0	14	0	0	0
700	354	0	180	0	363	0	369	0	-90	0	-9	0	14	0	14	0	14	0	0	0
800	362	0	190	0	365	0	371	0	-85	0	-13	0	14	0	14	0	14	0	0	0
900	372	0	195	0	369	0	377	0	-80	0	-17	0	14	0	14	0	14	0	0	0
1000	376	0	190	0	370	0	379	0	-81	0	-19	0	14	0	14	0	14	0	0	0
1100	393	0	191	0	372	0	381	0	-78	0	-27	0	14	0	14	0	14	0	0	0
1200	393	0	189	0	374	0	385	0	-75	0	-23	0	14	0	14	0	14	0	0	0
1300	408	0	202	0	379	0	386	0	-77	0	-30	0	14	0	14	0	14	0	0	0
1400	406	0	202	0	379	0	388	0	-74	0	-28	0	14	0	14	0	14	0	0	0
1500	410	0	199	0	384	0	395	0	-73	0	-26	0	14	0	14	0	14	0	0	0
1600	414	0	196	0	400	0	413	0	-59	0	-21	0	14	0	14	0	14	0	0	0
1700	438	0	211	0	418	0	433	0	-45	0	-19	0	14	0	14	0	14	0	0	0
1800	456	0	225	0	435	0	444	0	-34	0	-20	0	14	0	14	0	14	0	0	0
1900	462	0	237	0	444	0	455	0	-27	0	-17	0	14	0	14	0	14	0	0	0
2000	458	0	245	0	451	0	457	0	-26	0	-13	0	14	0	14	0	14	0	0	0
2100	436	0	236	0	443	0	447	0	-43	0	-8	0	14	0	14	0	14	0	0	0
2200	413	0	235	0	434	0	432	0	-48	0	12	0	14	0	14	0	14	0	0	0
2300	402	0	227	0	417	0	409	0	-56	0	23	0	14	0	14	0	14	0	0	0
2400	402	0	228	0	419	0	403	0	-54	0	21	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 8, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	36	0	0	30	47	54	0	0	46	63	33	0	0	20	46
	40	0	0	22	56										
200	44	0	0	32	60	42	0	0	33	47	35	0	0	5	53
	41	0	0	29	57										
300	26	0	0	18	31	36	0	0	24	42	18	0	0	7	36
	59	0	0	43	76										
400	30	0	0	25	40	51	0	0	41	58	25	0	0	9	50
	58	0	0	42	71										
500	34	0	0	25	47	58	0	0	52	66	38	0	0	26	53
	55	0	0	47	64										
600	30	0	0	21	40	54	0	0	50	58	21	0	0	9	35
	60	0	0	45	77										
700	35	0	0	23	42	95	0	0	89	102	37	0	0	20	56
	56	0	0	42	75										
800	21	0	0	14	31	89	0	0	72	101	23	0	0	11	34
	39	0	0	24	63										
900	30	0	0	20	47	44	0	0	17	70	24	0	0	12	54
	51	0	0	33	67										
1000	66	0	0	32	103	82	0	0	43	131	67	0	0	33	126
	66	0	0	55	77										
1100	89	0	0	30	144	121	0	0	75	181	85	0	0	30	137
	70	0	0	57	110										
1200	76	0	0	37	127	95	0	0	44	139	87	0	0	53	129
	46	0	0	34	62										
1300	77	0	0	39	121	93	0	0	54	121	82	0	0	40	119
	49	0	0	36	61										
1400	54	0	0	28	89	72	0	0	40	102	66	0	0	31	99
	30	0	0	22	46										
1500	52	0	0	20	80	71	0	0	33	90	41	0	0	25	79
	31	0	0	24	39										
1600	43	0	0	20	66	56	0	0	25	77	34	0	0	15	56
	46	0	0	37	55										
1700	32	0	0	10	55	33	0	0	22	45	24	0	0	4	52
	56	0	0	16	78										
1800	37	0	0	16	61	51	0	0	22	73	25	0	0	16	39
	44	0	0	23	65										
1900	58	0	0	32	93	103	0	0	67	137	42	0	0	12	79
	91	0	0	60	120										
2000	103	0	0	52	160	159	0	0	96	217	72	0	0	20	127
	109	0	0	35	194										
2100	96	0	0	61	142	136	0	0	99	181	57	0	0	7	133
	51	0	0	19	97										
2200	83	0	0	47	118	130	0	0	92	172	58	0	0	16	106
	51	0	0	29	97										
2300	76	0	0	43	105	129	0	0	88	165	69	0	0	38	117
	52	0	0	28	89										
2400	64	0	0	38	95	113	0	0	89	132	65	0	0	37	94
	47	0	0	26	72										

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METEOROLOGICAL DATA--CK--FOR MAY 8, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	212	0	5	200	221	242	0	2	237	249	212	0	4	199	220
	181	0	14	137	216										
200	73	0	7	60	102	184	0	3	175	195	84	0	10	66	147
	125	0	20	88	215										
300	163	0	10	135	199	190	0	2	186	197	156	0	11	128	186
	124	0	4	108	137										
400	167	0	7	152	181	177	0	2	171	181	176	0	9	152	200
	125	0	4	113	139										
500	171	0	10	151	195	189	0	2	184	194	176	0	11	156	202
	126	0	4	116	141										
600	157	0	5	146	170	175	0	4	168	185	162	0	13	139	207
	126	0	4	112	139										
700	160	0	11	134	182	216	0	2	212	222	173	0	6	150	197
	138	0	8	114	191										
800	117	0	15	77	162	229	0	1	226	234	126	0	8	94	152
	148	0	13	109	213										
900	190	0	22	147	260	231	0	12	191	273	222	0	19	160	274
	214	0	4	197	227										
1000	262	0	19	206	318	254	0	12	214	293	261	0	15	214	303
	221	0	4	205	234										
1100	257	0	17	210	316	255	0	8	237	283	262	0	12	232	294
	231	0	5	214	249										
1200	251	0	16	206	299	257	0	12	214	291	259	0	11	226	295
	233	0	5	221	255										
1300	263	0	18	198	314	269	0	8	238	302	265	0	11	228	299
	227	0	5	213	241										
1400	293	0	32	203	357	293	0	18	235	336	277	0	17	228	350
	249	0	8	228	270										
1500	293	0	16	189	341	300	0	6	271	318	322	0	14	286	366
	333	0	7	317	354										
1600	347	0	21	258	387	338	0	12	313	368	326	0	15	279	377
	4	0	3	355	383										
1700	25	0	31	311	473	21	0	29	320	442	9	0	53	171	499
	9	0	5	335	395										
1800	345	0	17	243	389	352	0	6	309	360	345	0	25	270	377
	9	0	11	342	421										
1900	354	0	10	322	384	355	0	5	336	370	353	0	14	312	392
	11	0	5	358	403										
2000	12	0	7	348	401	9	0	6	349	389	14	0	11	323	420
	20	0	10	354	422										
2100	49	0	7	383	429	47	0	4	395	419	51	0	19	282	499
	82	0	17	394	476										
2200	61	0	6	400	442	57	0	4	403	430	69	0	15	348	484
	88	0	18	376	487										
2300	85	0	7	418	473	82	0	3	431	455	94	0	6	431	477
	109	0	11	393	489										
2400	83	0	5	420	461	85	0	3	435	456	86	0	6	410	471
	105	0	12	44	130										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 8, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	401	0	231	0	426	0	397	0	-49	0	27	0	14	0	14	0	14	0	0	0
200	357	0	223	0	405	0	382	0	-57	0	65	0	14	0	14	0	14	0	0	0
300	354	0	219	0	377	0	368	0	-73	0	72	0	14	0	14	0	14	0	0	0
400	363	0	217	0	374	0	362	0	-75	0	56	0	14	0	14	0	14	0	0	0
500	374	0	219	0	392	0	375	0	-66	0	51	0	14	0	14	0	14	0	0	0
600	350	0	212	0	374	0	359	0	-74	0	80	0	14	0	14	0	14	0	0	0
700	357	0	217	0	392	0	368	0	-66	0	90	0	14	0	14	0	14	0	0	0
800	367	0	235	0	419	0	406	0	-43	0	74	0	14	0	14	0	14	0	0	0
900	462	0	295	0	464	0	465	0	-14	0	-9	0	14	0	14	0	14	0	0	0
1000	518	0	319	0	480	0	484	0	5	0	-18	0	14	0	14	0	14	0	0	0
1100	526	0	325	0	492	0	501	0	18	0	-20	0	14	0	14	0	14	0	0	0
1200	546	0	327	0	502	0	511	0	26	0	-20	0	14	0	14	0	14	0	0	0
1300	560	0	328	0	519	0	530	0	31	0	-22	0	14	0	14	0	14	0	0	0
1400	577	0	333	0	528	0	534	0	41	0	-22	0	14	0	14	0	14	0	0	0
1500	559	0	325	0	519	0	527	0	36	0	-19	0	14	0	14	0	14	0	0	0
1600	553	0	320	0	519	0	526	0	32	0	-15	0	14	0	14	0	14	0	0	0
1700	548	0	320	0	532	0	536	0	24	0	-12	0	14	0	14	0	14	0	0	0
1800	533	0	347	0	519	0	522	0	19	0	-6	0	14	0	14	0	14	0	0	0
1900	518	0	334	0	515	0	517	0	16	0	-8	0	14	0	14	0	14	0	0	0
2000	481	0	341	0	477	0	478	0	5	0	-10	0	14	0	14	0	14	0	0	0
2100	461	0	334	0	467	0	469	0	1	0	-11	0	14	0	14	0	14	0	1	0
2200	458	0	337	0	459	0	460	0	1	0	-11	0	14	0	14	0	14	0	0	0
2300	461	0	339	0	460	0	461	0	3	0	-9	0	14	0	14	0	14	0	0	0
2400	466	0	340	0	467	0	467	0	5	0	-7	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 9, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	48	0	0	26	68	100	0	0	80	119	60	0	0	34	85
	62	0	0	36	93										
200	51	0	0	33	64	78	0	0	61	91	31	0	0	18	52
	30	0	0	18	75										
300	71	0	0	44	97	111	0	0	82	139	40	0	0	16	73
	36	0	0	15	84										
400	84	0	0	57	110	127	0	0	92	157	56	0	0	29	104
	49	0	0	24	80										
500	77	0	0	53	108	129	0	0	97	149	53	0	0	23	94
	35	0	0	16	83										
600	68	0	0	40	89	117	0	0	95	138	41	0	0	14	80
	31	0	0	15	62										
700	53	0	0	34	75	105	0	0	82	120	45	0	0	18	72
	34	0	0	13	64										
800	68	0	0	42	88	107	0	0	86	126	46	0	0	22	81
	37	0	0	16	74										
900	67	0	0	45	88	87	0	0	68	107	41	0	0	15	85
	36	0	0	17	74										
1000	64	0	0	40	89	83	0	0	61	103	41	0	0	14	88
	39	0	0	17	61										
1100	81	0	0	55	103	90	0	0	66	115	41	0	0	11	86
	51	0	0	27	86										
1200	80	0	0	46	105	87	0	0	65	119	49	0	0	13	92
	135	0	0	91	167										
1300	47	0	0	22	86	64	0	0	33	91	40	0	0	10	77
	148	0	0	123	169										
1400	78	0	0	34	117	102	0	0	61	134	55	0	0	20	104
	152	0	0	114	172										
1500	110	0	0	52	165	158	0	0	99	193	82	0	0	39	146
	154	0	0	131	168										
1600	102	0	0	53	177	156	0	0	93	223	85	0	0	29	148
	167	0	0	139	186										
1700	97	0	0	47	165	139	0	0	74	203	83	0	0	25	169
	177	0	0	146	204										
1800	125	0	0	55	210	185	0	0	97	247	71	0	0	22	150
	176	0	0	147	206										
1900	123	0	0	64	204	181	0	0	89	279	93	0	0	39	164
	186	0	0	144	217										
2000	82	0	0	40	140	115	0	0	65	200	59	0	0	16	116
	161	0	0	123	198										
2100	92	0	0	46	169	145	0	0	83	207	60	0	0	22	137
	152	0	0	105	183										
2200	90	0	0	51	144	154	0	0	80	218	68	0	0	20	134
	183	0	0	98	220										
2300	71	0	0	38	116	126	0	0	75	192	47	0	0	20	86
	114	0	0	56	155										
2400	38	0	0	28	55	83	0	0	66	99	27	0	0	15	44
	62	0	0	28	96										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 9, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	100	0	7	430	483	97	0	5	445	472	100	0	7	439	486
	112	0	7	62	130										
200	42	0	4	392	420	70	0	6	417	446	51	0	12	378	446
	82	0	24	362	492										
300	38	0	7	377	425	42	0	4	390	414	46	0	18	354	481
	72	0	30	37	501										
400	67	0	5	409	445	65	0	3	414	440	72	0	13	376	477
	92	0	18	59	493										
500	62	0	5	407	447	63	0	2	415	430	66	0	14	379	477
	71	0	29	44	491										
600	58	0	5	402	436	62	0	2	412	430	67	0	18	353	485
	76	0	25	353	502										
700	72	0	7	408	451	69	0	4	419	437	79	0	12	391	482
	80	0	28	334	511										
800	66	0	6	408	454	67	0	2	418	435	74	0	12	390	494
	75	0	33	34	487										
900	42	0	7	381	420	49	0	6	395	422	47	0	18	338	490
	52	0	31	335	495										
1000	46	0	9	375	426	46	0	6	388	424	54	0	20	344	487
	28	0	20	355	468										
1100	40	0	7	381	420	42	0	5	387	414	42	0	24	287	495
	20	0	15	353	459										
1200	42	0	9	376	424	38	0	7	377	415	44	0	19	347	462
	7	0	2	360	379										
1300	338	0	21	249	395	348	0	8	322	388	343	0	15	260	437
	6	0	2	361	375										
1400	345	0	13	304	382	352	0	5	332	372	344	0	13	304	390
	6	0	3	361	376										
1500	351	0	9	323	383	349	0	5	328	360	355	0	13	300	390
	4	0	2	359	370										
1600	345	0	12	276	377	348	0	6	325	365	351	0	14	243	390
	1	0	2	354	366										
1700	350	0	12	307	386	351	0	7	326	378	352	0	15	296	395
	4	0	2	358	373										
1800	355	0	10	323	386	354	0	5	337	374	351	0	15	306	397
	3	0	2	358	371										
1900	354	0	11	318	386	355	0	7	332	376	357	0	15	297	410
	6	0	2	359	374										
2000	4	0	12	322	402	0	0	10	311	389	3	0	16	262	437
	3	0	2	356	371										
2100	356	0	10	309	382	354	0	6	332	371	356	0	14	305	399
	4	0	2	358	377										
2200	359	0	12	322	398	356	0	7	335	378	359	0	15	295	395
	6	0	3	360	385										
2300	6	0	11	324	396	6	0	6	344	383	8	0	13	308	407
	14	0	6	357	404										
2400	16	0	6	357	399	19	0	2	371	386	14	0	10	343	403
	23	0	12	348	427										

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METEOROLOGICAL DATA--CK--FOR MAY 9, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	468	0	339	0	470	0	471	0	6	0	-6	0	14	0	14	0	14	0	0	0
200	470	0	336	0	474	0	474	0	5	0	0	0	14	0	14	0	14	0	0	0
300	464	0	341	0	466	0	467	0	4	0	-10	0	14	0	14	0	14	0	0	0
400	466	0	332	0	468	0	469	0	1	0	-9	0	14	0	14	0	14	0	0	0
500	466	0	311	0	469	0	470	0	-7	0	-6	0	14	0	14	0	14	0	0	0
600	466	0	314	0	469	0	471	0	-7	0	-5	0	14	0	14	0	14	0	0	0
700	465	0	319	0	471	0	472	0	-4	0	-4	0	14	0	14	0	14	0	0	0
800	472	0	321	0	478	0	480	0	0	0	-8	0	14	0	14	0	14	0	0	0
900	478	0	331	0	483	0	486	0	5	0	-13	0	14	0	14	0	14	0	0	0
1000	485	0	333	0	489	0	492	0	8	0	-14	0	14	0	14	0	14	0	0	0
1100	494	0	337	0	500	0	503	0	17	0	-14	0	14	0	14	0	14	0	0	0
1200	509	0	347	0	471	0	479	0	17	0	-15	0	14	0	14	0	14	0	0	0
1300	521	0	365	0	462	0	474	0	8	0	-20	0	14	0	14	0	14	0	0	0
1400	494	0	338	0	456	0	469	0	0	0	-19	0	14	0	14	0	14	0	0	0
1500	490	0	315	0	455	0	474	0	-3	0	-22	0	14	0	14	0	14	0	0	0
1600	476	0	305	0	451	0	467	0	-9	0	-24	0	14	0	14	0	14	0	0	0
1700	484	0	289	0	455	0	472	0	-8	0	-22	0	14	0	14	0	14	0	0	0
1800	473	0	285	0	457	0	472	0	-8	0	-18	0	14	0	14	0	14	0	0	0
1900	472	0	279	0	461	0	473	0	-10	0	-16	0	14	0	14	0	14	0	0	0
2000	474	0	273	0	468	0	476	0	-12	0	-12	0	14	0	14	0	14	0	0	0
2100	464	0	260	0	470	0	474	0	-19	0	-8	0	14	0	14	0	14	0	0	0
2200	459	0	249	0	467	0	471	0	-24	0	-8	0	14	0	14	0	14	0	0	0
2300	465	0	259	0	466	0	467	0	-20	0	-3	0	14	0	14	0	14	0	0	0
2400	463	0	273	0	465	0	465	0	-18	0	0	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 10, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	35	0	0	24	47	77	0	0	68	83	28	0	0	15	50
	33	0	0	14	54										
200	33	0	0	22	45	113	0	0	95	125	20	0	0	4	33
	26	0	0	14	48										
300	46	0	0	31	59	150	0	0	133	156	26	0	0	10	41
	37	0	0	17	65										
400	48	0	0	34	64	132	0	0	120	154	32	0	0	16	52
	33	0	0	17	54										
500	55	0	0	36	75	128	0	0	104	142	36	0	0	10	64
	43	0	0	22	74										
600	54	0	0	36	80	123	0	0	93	144	36	0	0	17	74
	58	0	0	29	96										
700	58	0	0	37	94	110	0	0	89	129	41	0	0	14	70
	70	0	0	37	103										
800	52	0	0	24	83	98	0	0	68	133	35	0	0	6	74
	96	0	0	54	132										
900	50	0	0	19	93	83	0	0	54	109	43	0	0	17	98
	131	0	0	104	148										
1000	79	0	0	43	117	104	0	0	62	139	53	0	0	19	108
	146	0	0	125	166										
1100	99	0	0	49	168	151	0	0	91	192	74	0	0	29	139
	158	0	0	136	178										
1200	119	0	0	60	179	175	0	0	118	215	73	0	0	29	127
	163	0	0	141	180										
1300	108	0	0	47	176	164	0	0	92	216	86	0	0	32	151
	165	0	0	140	189										
1400	97	0	0	41	178	144	0	0	91	199	78	0	0	36	152
	145	0	0	118	162										
1500	103	0	0	52	164	183	0	0	124	239	61	0	0	13	107
	150	0	0	125	194										
1600	122	0	0	56	215	167	0	0	97	262	86	0	0	34	183
	170	0	0	141	201										
1700	137	0	0	54	248	210	0	0	120	306	99	0	0	45	190
	187	0	0	156	222										
1800	133	0	0	51	220	193	0	0	92	283	95	0	0	35	170
	210	0	0	173	242										
1900	112	0	0	53	212	161	0	0	91	259	103	0	0	42	189
	187	0	0	116	236										
2000	82	0	0	27	156	124	0	0	64	177	70	0	0	23	170
	154	0	0	133	186										
2100	87	0	0	45	165	148	0	0	77	200	57	0	0	23	144
	150	0	0	90	180										
2200	58	0	0	28	102	103	0	0	51	168	42	0	0	12	93
	152	0	0	91	189										
2300	52	0	0	37	69	141	0	0	122	156	35	0	0	14	65
	36	0	0	18	66										
2400	50	0	0	35	63	161	0	0	148	172	33	0	0	17	48
	37	0	0	21	58										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 10, 1989

DIRECTIONS 1-4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	9	0	7	348	392	25	0	2	379	394	17	0	9	348	402
	36	0	24	353	487										
200	17	0	8	358	405	41	0	3	391	408	18	0	13	340	435
	74	0	23	382	483										
300	50	0	2	400	421	54	0	1	412	417	55	0	10	390	453
	88	0	18	393	479										
400	25	0	5	368	401	40	0	2	395	407	25	0	10	361	422
	33	0	16	365	468										
500	13	0	8	350	395	25	0	3	375	393	15	0	13	338	437
	38	0	16	360	458										
600	7	0	7	340	394	17	0	5	364	389	11	0	10	333	405
	27	0	11	359	436										
700	3	0	7	331	389	4	0	3	357	377	9	0	10	341	407
	26	0	11	348	437										
800	355	0	12	309	402	359	0	7	336	388	355	0	13	313	393
	14	0	5	363	405										
900	346	0	19	270	400	348	0	9	324	380	346	0	17	289	395
	4	0	2	359	371										
1000	346	0	14	303	383	349	0	8	323	381	345	0	16	169	392
	2	0	1	356	368										
1100	341	0	10	314	376	344	0	4	322	361	353	0	16	289	400
	358	0	3	350	364										
1200	345	0	11	301	407	345	0	4	329	355	348	0	14	305	394
	0	0	2	352	364										
1300	342	0	16	262	379	337	0	7	312	358	348	0	11	307	379
	352	0	4	341	362										
1400	341	0	15	295	379	341	0	7	317	367	342	0	13	269	389
	357	0	3	348	363										
1500	330	0	12	279	380	332	0	5	318	350	334	0	13	293	389
	350	0	5	335	361										
1600	357	0	13	309	389	350	0	9	325	372	358	0	17	285	402
	0	0	2	352	368										
1700	355	0	11	321	386	352	0	8	326	380	350	0	14	295	405
	5	0	2	359	375										
1800	359	0	14	324	397	357	0	6	335	380	357	0	16	216	404
	3	0	2	357	372										
1900	355	0	11	312	394	359	0	9	325	384	1	0	14	300	404
	9	0	3	358	381										
2000	357	0	13	324	386	354	0	8	325	377	356	0	19	280	416
	359	0	2	352	366										
2100	353	0	12	289	388	355	0	7	326	376	354	0	16	281	420
	6	0	3	358	379										
2200	5	0	11	331	417	7	0	7	341	394	8	0	16	298	420
	8	0	3	358	388										
2300	67	0	3	416	438	66	0	2	419	431	74	0	8	409	451
	70	0	16	373	473										
2400	69	0	5	416	441	63	0	1	420	426	77	0	7	394	450
	91	0	11	408	484										

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METEOROLOGICAL DATA--CK--FOR MAY 10, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	453	0	285	0	456	0	454	0	-17	0	0	0	14	0	14	0	14	0	0	0
200	440	0	290	0	449	0	438	0	-23	0	24	0	14	0	14	0	14	0	0	0
300	441	0	277	0	458	0	445	0	-23	0	39	0	14	0	14	0	14	0	0	0
400	441	0	271	0	457	0	450	0	-29	0	20	0	14	0	14	0	14	0	0	0
500	446	0	253	0	458	0	453	0	-36	0	7	0	14	0	14	0	14	0	0	0
600	446	0	213	0	459	0	455	0	-41	0	5	0	14	0	14	0	14	0	0	0
700	437	0	282	0	443	0	442	0	-30	0	-2	0	14	0	14	0	14	0	0	0
800	453	0	269	0	447	0	445	0	-23	0	-9	0	14	0	14	0	14	0	0	0
900	460	0	288	0	439	0	442	0	-28	0	-21	0	14	0	14	0	14	0	0	0
1000	462	0	280	0	436	0	445	0	-30	0	-21	0	14	0	14	0	14	0	0	0
1100	452	0	282	0	429	0	442	0	-30	0	-25	0	14	0	14	0	14	0	0	0
1200	446	0	282	0	427	0	442	0	-26	0	-25	0	14	0	14	0	14	0	0	0
1300	453	0	292	0	422	0	435	0	-30	0	-28	0	14	0	14	0	14	0	0	0
1400	467	0	289	0	432	0	450	0	-26	0	-29	0	14	0	14	0	14	0	0	0
1500	465	0	297	0	432	0	448	0	-20	0	-30	0	14	0	14	0	14	0	0	0
1600	466	0	294	0	444	0	462	0	-11	0	-23	0	14	0	14	0	14	0	0	0
1700	486	0	286	0	467	0	484	0	-3	0	-24	0	14	0	14	0	14	0	0	0
1800	481	0	276	0	464	0	478	0	-7	0	-20	0	14	0	14	0	14	0	0	0
1900	478	0	280	0	468	0	481	0	-4	0	-16	0	14	0	14	0	14	0	0	0
2000	471	0	281	0	463	0	471	0	-10	0	-13	0	14	0	14	0	14	0	0	0
2100	464	0	266	0	470	0	474	0	-15	0	-8	0	14	0	14	0	14	0	0	0
2200	458	0	273	0	466	0	468	0	-14	0	-6	0	14	0	14	0	14	0	0	0
2300	438	0	266	0	447	0	445	0	-34	0	30	0	14	0	14	0	14	0	0	0
2400	449	0	249	0	457	0	448	0	-38	0	45	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 11, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	58	0	0	46	85	133	0	0	110	167	35	0	0	15	74
	30	0	0	13	65										
200	35	0	0	27	45	113	0	0	102	125	22	0	0	10	41
	24	0	0	13	34										
300	60	0	0	44	89	138	0	0	110	159	40	0	0	13	75
	55	0	0	20	92										
400	66	0	0	48	96	138	0	0	113	158	48	0	0	16	92
	54	0	0	19	96										
500	61	0	0	37	86	140	0	0	93	160	44	0	0	21	67
	65	0	0	28	106										
600	61	0	0	35	93	130	0	0	91	169	47	0	0	20	83
	58	0	0	28	108										
700	79	0	0	49	120	151	0	0	109	194	40	0	0	5	81
	35	0	0	14	68										
800	78	0	0	53	126	122	0	0	86	159	46	0	0	12	91
	41	0	0	20	91										
900	99	0	0	61	138	115	0	0	73	167	65	0	0	23	120
	53	0	0	26	95										
1000	89	0	0	39	120	103	0	0	49	152	53	0	0	13	100
	110	0	0	87	129										
1100	88	0	0	40	162	124	0	0	72	206	52	0	0	25	103
	127	0	0	99	165										
1200	101	0	0	48	195	142	0	0	80	214	89	0	0	38	165
	164	0	0	135	194										
1300	93	0	0	42	164	148	0	0	76	219	78	0	0	30	150
	157	0	0	125	187										
1400	131	0	0	63	213	198	0	0	107	255	73	0	0	20	134
	185	0	0	154	221										
1500	141	0	0	59	241	247	0	0	127	304	81	0	0	37	180
	205	0	0	157	246										
1600	115	0	0	48	222	180	0	0	105	264	97	0	0	40	176
	205	0	0	163	244										
1700	122	0	0	43	210	211	0	0	115	283	81	0	0	30	166
	202	0	0	147	237										
1800	144	0	0	68	209	218	0	0	139	277	93	0	0	29	176
	194	0	0	163	236										
1900	88	0	0	43	153	155	0	0	82	243	68	0	0	24	157
	168	0	0	130	201										
2000	97	0	0	39	187	155	0	0	76	247	69	0	0	21	126
	180	0	0	148	209										
2100	97	0	0	41	173	158	0	0	67	234	56	0	0	16	121
	167	0	0	96	201										
2200	92	0	0	43	184	148	0	0	84	241	67	0	0	18	125
	187	0	0	150	219										
2300	71	0	0	34	115	130	0	0	77	172	44	0	0	5	92
	81	0	0	31	159										
2400	38	0	0	28	60	101	0	0	83	125	27	0	0	9	45
	36	0	0	14	57										

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METEOROLOGICAL DATA--CK--FOR MAY 11, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	62	0	3	408	432	61	0	1	416	426	70	0	12	381	462
	69	0	27	334	487										
200	32	0	6	374	415	54	0	1	408	418	33	0	12	366	443
	34	0	20	340	468										
300	9	0	6	351	394	19	0	4	368	389	9	0	9	335	416
	29	0	15	354	462										
400	14	0	8	354	399	18	0	4	368	388	16	0	8	333	410
	28	0	15	289	474										
500	5	0	7	342	388	11	0	2	365	379	10	0	9	338	393
	23	0	10	357	447										
600	11	0	7	345	395	13	0	3	362	387	12	0	9	341	404
	23	0	13	335	422										
700	39	0	7	370	426	41	0	4	384	411	41	0	24	36	498
	49	0	33	25	506										
800	51	0	7	392	431	49	0	4	396	422	57	0	19	339	492
	66	0	33	134	506										
900	54	0	11	385	446	49	0	6	392	428	60	0	18	357	499
	32	0	28	45	467										
1000	27	0	22	313	421	21	0	19	332	406	20	0	32	103	494
	359	0	3	350	365										
1100	335	0	16	284	378	337	0	7	317	356	333	0	17	291	383
	342	0	4	333	353										
1200	355	0	15	277	397	344	0	8	318	362	350	0	11	313	394
	347	0	3	339	355										
1300	344	0	17	296	398	335	0	10	306	369	348	0	14	264	407
	343	0	3	333	350										
1400	349	0	11	324	382	340	0	5	323	359	335	0	15	278	399
	340	0	2	333	348										
1500	337	0	10	294	379	336	0	4	325	355	334	0	14	287	379
	342	0	3	334	350										
1600	347	0	15	288	390	340	0	9	312	364	348	0	14	294	404
	347	0	4	336	356										
1700	334	0	11	284	373	334	0	6	313	354	342	0	17	268	394
	346	0	3	337	358										
1800	351	0	12	309	380	348	0	5	327	362	343	0	12	299	378
	355	0	3	344	363										
1900	351	0	13	310	395	346	0	6	323	371	348	0	15	273	397
	1	0	2	349	367										
2000	0	0	11	325	401	353	0	7	333	372	350	0	15	298	405
	6	0	2	361	381										
2100	358	0	12	322	384	355	0	8	328	387	353	0	19	271	430
	8	0	3	361	381										
2200	1	0	10	332	389	355	0	6	334	373	359	0	15	264	409
	5	0	2	357	373										
2300	15	0	11	337	399	18	0	6	360	396	14	0	15	318	452
	21	0	11	354	430										
2400	41	0	7	380	418	33	0	2	384	402	42	0	11	375	444
	42	0	21	363	472										

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METEOROLOGICAL DATA--CK--FOR MAY 11, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	465	0	177	0	474	0	470	0	-40	0	19	0	14	0	14	0	14	0	0	0
200	454	0	158	0	464	0	458	0	-50	0	21	0	14	0	14	0	14	0	0	0
300	461	0	167	0	469	0	466	0	-42	0	11	0	14	0	14	0	14	0	0	0
400	456	0	238	0	460	0	456	0	-32	0	5	0	14	0	14	0	14	0	0	0
500	450	0	243	0	457	0	455	0	-30	0	6	0	14	0	14	0	14	0	0	0
600	450	0	237	0	455	0	451	0	-36	0	4	0	14	0	14	0	14	0	0	0
700	434	0	217	0	443	0	441	0	-50	0	4	0	14	0	14	0	14	0	0	0
800	438	0	217	0	444	0	442	0	-41	0	-12	0	14	0	14	0	14	0	0	0
900	467	0	229	0	467	0	469	0	-32	0	-17	0	14	0	14	0	14	0	0	0
1000	503	0	234	0	464	0	471	0	-22	0	-18	0	14	0	14	0	14	0	0	0
1100	478	0	272	0	446	0	456	0	-21	0	-23	0	14	0	14	0	14	0	0	0
1200	472	0	266	0	440	0	452	0	-22	0	-25	0	14	0	14	0	14	0	0	0
1300	477	0	276	0	440	0	454	0	-23	0	-29	0	14	0	14	0	14	0	0	0
1400	467	0	274	0	440	0	454	0	-23	0	-25	0	14	0	14	0	14	0	0	0
1500	471	0	254	0	450	0	463	0	-23	0	-28	0	14	0	14	0	14	0	0	0
1600	478	0	253	0	451	0	463	0	-22	0	-28	0	14	0	14	0	14	0	0	0
1700	464	0	250	0	446	0	458	0	-23	0	-25	0	14	0	14	0	14	0	0	0
1800	454	0	247	0	442	0	455	0	-27	0	-21	0	14	0	14	0	14	0	0	0
1900	458	0	256	0	446	0	457	0	-24	0	-20	0	14	0	14	0	14	0	0	0
2000	460	0	253	0	456	0	466	0	-23	0	-13	0	14	0	14	0	14	0	0	0
2100	459	0	245	0	467	0	470	0	-24	0	-8	0	14	0	14	0	14	0	0	0
2200	455	0	254	0	465	0	467	0	-24	0	-8	0	14	0	14	0	14	0	0	0
2300	452	0	255	0	455	0	455	0	-30	0	-3	0	14	0	14	0	14	0	0	0
2400	450	0	243	0	470	0	467	0	-26	0	15	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 12, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	39	0	0	27	53	121	0	0	101	134	23	0	0	10	41
	35	0	0	16	69										
200	30	0	0	16	41	84	0	0	66	95	17	0	0	8	31
	17	0	0	5	27										
300	13	0	0	6	21	72	0	0	62	84	4	0	0	4	18
	16	0	0	5	26										
400	28	0	0	20	38	82	0	0	64	96	18	0	0	4	29
	8	0	0	5	19										
500	32	0	0	18	53	86	0	0	70	104	23	0	0	14	37
	78	0	0	60	92										
600	51	0	0	30	78	80	0	0	38	116	28	0	0	4	67
	72	0	0	25	135										
700	44	0	0	20	87	94	0	0	75	120	34	0	0	20	57
	92	0	0	72	105										
800	50	0	0	24	92	97	0	0	68	127	41	0	0	22	79
	96	0	0	81	111										
900	98	0	0	54	159	147	0	0	91	189	50	0	0	22	106
	154	0	0	118	185										
1000	87	0	0	51	156	130	0	0	63	174	49	0	0	10	104
	137	0	0	117	157										
1100	69	0	0	26	109	106	0	0	68	147	47	0	0	16	107
	115	0	0	99	135										
1200	96	0	0	39	160	151	0	0	99	193	50	0	0	20	97
	118	0	0	78	161										
1300	70	0	0	38	115	101	0	0	47	161	73	0	0	34	147
	101	0	0	76	135										
1400	79	0	0	30	133	118	0	0	64	163	69	0	0	33	118
	114	0	0	86	143										
1500	90	0	0	35	169	148	0	0	78	190	69	0	0	31	130
	120	0	0	95	139										
1600	83	0	0	36	154	120	0	0	74	165	66	0	0	15	117
	107	0	0	81	130										
1700	62	0	0	18	111	95	0	0	41	145	62	0	0	16	109
	87	0	0	70	106										
1800	85	0	0	40	137	121	0	0	67	174	58	0	0	14	120
	84	0	0	59	105										
1900	61	0	0	24	93	90	0	0	64	117	62	0	0	24	101
	90	0	0	70	106										
2000	79	0	0	36	139	136	0	0	81	178	51	0	0	12	106
	158	0	0	128	189										
2100	54	0	0	29	88	83	0	0	55	119	33	0	0	14	77
	118	0	0	92	137										
2200	40	0	0	22	79	74	0	0	42	108	32	0	0	17	62
	89	0	0	52	112										
2300	33	0	0	15	69	70	0	0	40	107	29	0	0	8	75
	69	0	0	52	91										
2400	44	0	0	19	67	81	0	0	52	110	32	0	0	17	64
	101	0	0	82	118										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 12, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	68	0	7	407	449	52	0	1	409	416	72	0	14	364	466
	94	0	14	393	475										
200	33	0	10	348	410	65	0	2	417	430	13	0	21	326	428
	117	0	54	29	407										
300	313	0	59	209	386	24	0	4	375	393	125	0	74	213	524
	91	0	21	393	508										
400	306	0	10	275	334	329	0	5	316	338	301	0	11	278	324
	313	0	28	239	355										
500	313	0	15	262	350	335	0	4	324	350	317	0	11	276	346
	350	0	4	339	360										
600	359	0	13	301	403	357	0	9	321	397	6	0	20	305	488
	16	0	13	350	467										
700	320	0	18	269	363	329	0	11	309	347	319	0	17	281	367
	338	0	8	321	355										
800	317	0	15	261	381	320	0	4	309	333	321	0	10	285	342
	334	0	4	326	347										
900	350	0	12	305	392	349	0	5	326	362	344	0	16	258	440
	2	0	2	353	369										
1000	355	0	12	318	384	349	0	6	324	366	342	0	16	301	460
	1	0	2	354	368										
1100	341	0	15	291	376	343	0	8	311	365	347	0	17	264	400
	0	0	5	344	369										
1200	335	0	12	266	378	334	0	5	320	354	328	0	17	269	382
	345	0	4	334	357										
1300	319	0	20	265	375	316	0	11	279	350	305	0	16	275	353
	335	0	7	313	356										
1400	327	0	17	251	379	322	0	10	288	356	322	0	17	280	379
	331	0	4	318	346										
1500	316	0	20	264	363	316	0	8	295	344	320	0	17	284	369
	332	0	4	319	346										
1600	319	0	19	242	369	320	0	8	297	344	325	0	14	284	377
	335	0	5	325	349										
1700	327	0	17	269	373	319	0	9	282	349	327	0	16	282	373
	336	0	4	325	350										
1800	339	0	19	264	382	332	0	9	301	358	323	0	22	254	401
	324	0	6	310	345										
1900	286	0	14	244	329	289	0	6	272	310	299	0	12	261	345
	294	0	4	282	307										
2000	338	0	14	289	395	340	0	8	317	359	336	0	17	275	394
	356	0	3	346	366										
2100	347	0	14	282	389	346	0	10	315	378	349	0	17	279	395
	3	0	3	352	376										
2200	346	0	15	295	384	347	0	8	328	376	346	0	18	298	385
	9	0	5	350	391										
2300	322	0	15	273	387	338	0	6	312	352	329	0	13	293	379
	354	0	7	335	374										
2400	322	0	23	248	377	327	0	6	310	348	322	0	12	277	358
	342	0	5	332	358										

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METEOROLOGICAL DATA--CK--FOR MAY 12, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	422	0	237	0	440	0	428	0	-47	0	18	0	14	0	14	0	14	0	0	0
200	414	0	229	0	436	0	422	0	-49	0	57	0	14	0	14	0	14	0	0	0
300	423	0	220	0	445	0	408	0	-39	0	37	0	14	0	14	0	14	0	0	0
400	445	0	262	0	452	0	445	0	-19	0	16	0	14	0	14	0	14	0	0	0
500	442	0	283	0	459	0	462	0	-18	0	3	0	14	0	14	0	14	0	0	0
600	446	0	275	0	451	0	451	0	-27	0	-9	0	14	0	14	0	14	0	0	0
700	444	0	276	0	451	0	454	0	-23	0	-7	0	14	0	14	0	14	0	0	0
800	442	0	287	0	441	0	445	0	-24	0	-14	0	14	0	14	0	14	0	0	0
900	430	0	288	0	430	0	435	0	-26	0	-15	0	14	0	14	0	14	0	0	0
1000	431	0	289	0	430	0	436	0	-25	0	-16	0	14	0	14	0	14	0	0	0
1100	443	0	289	0	433	0	440	0	-24	0	-17	0	14	0	14	0	14	0	0	0
1200	458	0	292	0	440	0	450	0	-14	0	-21	0	14	0	14	0	14	0	0	0
1300	474	0	303	0	432	0	444	0	-19	0	-28	0	14	0	14	0	14	0	0	0
1400	458	0	296	0	429	0	441	0	-23	0	-27	0	14	0	14	0	14	0	0	0
1500	463	0	301	0	430	0	443	0	-19	0	-32	0	14	0	14	0	14	0	0	0
1600	459	0	298	0	436	0	449	0	-14	0	-24	0	14	0	14	0	14	0	0	0
1700	477	0	300	0	440	0	453	0	-9	0	-29	0	14	0	14	0	14	0	0	0
1800	484	0	297	0	463	0	473	0	1	0	-22	0	14	0	14	0	14	0	0	0
1900	460	0	293	0	447	0	453	0	-22	0	-18	0	14	0	14	0	14	0	0	0
2000	444	0	308	0	448	0	454	0	-16	0	-12	0	14	0	14	0	14	0	0	0
2100	434	0	323	0	431	0	434	0	-9	0	-16	0	14	0	14	0	14	0	2	0
2200	444	0	339	0	441	0	442	0	0	0	-16	0	14	0	14	0	14	0	2	0
2300	453	0	350	0	449	0	450	0	9	0	-15	0	14	0	14	0	14	0	2	0
2400	445	0	340	0	447	0	449	0	-2	0	-15	0	14	0	14	0	14	0	2	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 13, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	46	0	0	20	90	85	0	0	54	117	31	0	0	16	58
	94	0	0	83	111										
200	40	0	0	19	75	78	0	0	40	109	24	0	0	9	51
	97	0	0	80	113										
300	43	0	0	26	70	73	0	0	41	103	16	0	0	4	38
	92	0	0	73	106										
400	37	0	0	21	59	73	0	0	49	90	23	0	0	4	45
	103	0	0	72	123										
500	39	0	0	23	61	77	0	0	56	101	31	0	0	16	50
	44	0	0	19	77										
600	42	0	0	27	69	88	0	0	73	106	29	0	0	4	56
	28	0	0	12	52										
700	64	0	0	37	92	112	0	0	85	147	37	0	0	8	77
	27	0	0	9	82										
800	86	0	0	48	130	123	0	0	96	161	44	0	0	7	109
	34	0	0	13	71										
900	87	0	0	42	133	112	0	0	71	144	48	0	0	11	88
	42	0	0	12	80										
1000	97	0	0	59	134	120	0	0	80	157	59	0	0	15	130
	69	0	0	27	138										
1100	92	0	0	59	134	105	0	0	69	150	58	0	0	14	118
	40	0	0	15	82										
1200	61	0	0	36	93	71	0	0	39	97	37	0	0	8	84
	106	0	0	77	127										
1300	61	0	0	29	105	92	0	0	50	128	45	0	0	21	87
	111	0	0	91	139										
1400	68	0	0	31	129	102	0	0	58	150	63	0	0	24	124
	115	0	0	98	155										
1500	57	0	0	28	102	80	0	0	39	112	48	0	0	23	82
	105	0	0	92	119										
1600	86	0	0	50	132	102	0	0	59	138	57	0	0	16	108
	102	0	0	84	120										
1700	77	0	0	29	123	102	0	0	55	143	59	0	0	17	140
	124	0	0	108	143										
1800	100	0	0	50	192	136	0	0	74	231	69	0	0	22	150
	178	0	0	132	248										
1900	97	0	0	59	162	127	0	0	66	178	73	0	0	24	146
	147	0	0	82	211										
2000	58	0	0	37	112	80	0	0	56	105	40	0	0	13	72
	113	0	0	59	147										
2100	48	0	0	31	63	81	0	0	67	91	21	0	0	4	48
	40	0	0	20	79										
2200	42	0	0	23	71	77	0	0	56	94	22	0	0	4	58
	78	0	0	21	121										
2300	36	0	0	22	50	92	0	0	67	106	18	0	0	4	34
	31	0	0	11	72										
2400	26	0	0	16	41	65	0	0	31	84	18	0	0	6	26
	19	0	0	8	32										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 13, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	335	0	16	267	391	334	0	6	312	350	328	0	10	295	356
	351	0	4	336	362										
200	330	0	19	220	372	332	0	9	305	360	327	0	15	271	364
	351	0	4	336	362										
300	354	0	13	310	397	353	0	6	331	371	340	0	21	279	408
	1	0	3	350	372										
400	344	0	14	295	392	351	0	4	339	367	345	0	17	299	387
	4	0	2	357	373										
500	13	0	9	341	395	21	0	4	371	402	18	0	10	333	417
	20	0	12	343	440										
600	24	0	8	351	404	28	0	3	377	398	30	0	17	342	455
	36	0	22	320	481										
700	48	0	8	386	428	51	0	4	400	424	54	0	19	343	497
	63	0	28	359	505										
800	56	0	7	394	433	58	0	4	406	435	63	0	19	53	489
	41	0	31	37	492										
900	52	0	8	391	447	55	0	5	400	433	67	0	20	37	483
	57	0	32	88	509										
1000	40	0	13	366	429	40	0	10	373	422	45	0	20	357	485
	27	0	25	31	495										
1100	61	0	10	396	457	63	0	9	403	457	73	0	18	371	479
	57	0	46	26	484										
1200	44	0	11	380	434	43	0	9	375	426	49	0	24	332	520
	1	0	3	354	372										
1300	349	0	14	309	398	349	0	6	325	365	346	0	17	294	421
	6	0	2	362	372										
1400	346	0	15	309	469	348	0	8	324	378	354	0	12	310	390
	3	0	2	358	372										
1500	331	0	15	277	391	344	0	6	326	367	348	0	15	289	383
	2	0	2	356	369										
1600	345	0	11	305	383	336	0	5	316	347	336	0	16	274	384
	356	0	4	345	367										
1700	347	0	15	293	387	351	0	8	328	379	350	0	18	275	407
	5	0	2	358	373										
1800	1	0	15	312	392	360	0	8	336	388	355	0	14	312	406
	8	0	3	362	381										
1900	11	0	11	339	398	11	0	8	349	395	8	0	14	320	419
	11	0	5	357	399										
2000	17	0	8	350	396	25	0	5	365	401	22	0	14	336	427
	10	0	3	357	393										
2100	18	0	7	359	398	22	0	2	371	392	12	0	16	326	473
	22	0	11	355	431										
2200	347	0	11	305	373	8	0	12	329	388	355	0	17	313	406
	15	0	6	361	421										
2300	19	0	15	342	411	28	0	7	371	400	23	0	18	342	446
	40	0	29	358	502										
2400	349	0	18	306	389	29	0	10	347	400	356	0	16	327	427
	49	0	26	344	476										

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METEOROLOGICAL DATA--CK--FOR MAY 13, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	439	0	324	0	442	0	444	0	-7	0	-14	0	14	0	14	0	14	0	1	0
200	437	0	328	0	438	0	438	0	-7	0	-16	0	14	0	14	0	14	0	0	0
300	439	0	329	0	440	0	441	0	-5	0	-15	0	14	0	14	0	14	0	1	0
400	447	0	339	0	447	0	448	0	3	0	-14	0	14	0	14	0	14	0	0	0
500	453	0	350	0	446	0	442	0	7	0	-13	0	14	0	14	0	14	0	1	0
600	460	0	354	0	455	0	449	0	13	0	-13	0	14	0	14	0	14	0	0	0
700	472	0	367	0	461	0	462	0	19	0	-13	0	14	0	14	0	14	0	0	0
800	483	0	373	0	476	0	478	0	28	0	-15	0	14	0	14	0	14	0	0	0
900	487	0	364	0	487	0	490	0	26	0	-14	0	14	0	14	0	14	0	0	0
1000	494	0	362	0	502	0	508	0	33	0	-20	0	14	0	14	0	14	0	0	0
1100	500	0	352	0	503	0	510	0	27	0	-16	0	14	0	14	0	14	0	0	0
1200	510	0	361	0	472	0	477	0	18	0	-15	0	14	0	14	0	14	0	0	0
1300	489	0	360	0	475	0	481	0	20	0	-16	0	14	0	14	0	14	0	0	0
1400	492	0	371	0	465	0	473	0	21	0	-21	0	14	0	14	0	14	0	0	0
1500	490	0	366	0	461	0	471	0	18	0	-21	0	14	0	14	0	14	0	0	0
1600	510	0	377	0	468	0	481	0	26	0	-21	0	14	0	14	0	14	0	0	0
1700	526	0	381	0	483	0	499	0	33	0	-22	0	14	0	14	0	14	0	0	0
1800	521	0	378	0	481	0	495	0	32	0	-20	0	14	0	14	0	14	0	0	0
1900	520	0	370	0	496	0	503	0	30	0	-14	0	14	0	14	0	14	0	0	0
2000	521	0	365	0	492	0	496	0	30	0	-11	0	14	0	14	0	14	0	0	0
2100	513	0	359	0	506	0	507	0	27	0	-7	0	14	0	14	0	14	0	0	0
2200	504	0	365	0	484	0	485	0	26	0	-2	0	14	0	14	0	14	0	0	0
2300	495	0	361	0	492	0	492	0	22	0	8	0	14	0	14	0	14	0	0	0
2400	485	0	363	0	491	0	488	0	19	0	14	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 14, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	17	0	0	10	23	70	0	0	56	82	4	0	0	4	10
	29	0	0	19	43										
200	29	0	0	21	38	91	0	0	77	109	7	0	0	4	18
	37	0	0	25	53										
300	22	0	0	15	36	88	0	0	76	101	11	0	0	4	25
	35	0	0	26	52										
400	22	0	0	16	28	59	0	0	55	63	4	0	0	4	4
	13	0	0	5	23										
500	19	0	0	12	29	61	0	0	50	81	10	0	0	4	27
	23	0	0	14	33										
600	10	0	0	6	20	57	0	0	51	63	4	0	0	4	4
	30	0	0	21	40										
700	24	0	0	20	29	77	0	0	72	82	9	0	0	4	22
	41	0	0	29	60										
800	50	0	0	32	68	118	0	0	96	132	38	0	0	10	66
	49	0	0	30	72										
900	36	0	0	18	49	34	0	0	19	52	30	0	0	5	48
	43	0	0	28	61										
1000	53	0	0	29	73	56	0	0	40	72	41	0	0	14	63
	62	0	0	46	74										
1100	32	0	0	13	57	36	0	0	5	69	28	0	0	7	52
	63	0	0	55	73										
1200	64	0	0	27	99	68	0	0	33	97	42	0	0	15	89
	64	0	0	55	71										
1300	63	0	0	35	101	83	0	0	63	103	52	0	0	28	91
	55	0	0	44	65										
1400	72	0	0	23	120	110	0	0	84	137	50	0	0	19	104
	64	0	0	52	87										
1500	53	0	0	24	92	82	0	0	35	118	38	0	0	12	77
	81	0	0	64	100										
1600	67	0	0	39	102	88	0	0	62	116	43	0	0	20	76
	83	0	0	71	96										
1700	52	0	0	29	103	77	0	0	51	116	37	0	0	13	77
	58	0	0	46	68										
1800	78	0	0	36	131	93	0	0	47	135	47	0	0	21	89
	105	0	0	82	123										
1900	71	0	0	38	112	94	0	0	51	124	40	0	0	12	95
	138	0	0	118	159										
2000	67	0	0	39	99	93	0	0	70	127	35	0	0	13	75
	101	0	0	70	125										
2100	46	0	0	22	74	93	0	0	69	115	23	0	0	4	53
	80	0	0	22	135										
2200	42	0	0	28	53	86	0	0	70	107	25	0	0	10	41
	28	0	0	18	43										
2300	14	0	0	10	19	86	0	0	67	98	8	0	0	4	21
	18	0	0	11	25										
2400	11	0	0	6	16	73	0	0	59	83	4	0	0	4	4
	13	0	0	5	26										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 14, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	36	0	7	379	420	39	0	1	395	403	346	0	67	263	429
	106	0	7	437	482										
200	55	0	4	405	424	56	0	2	410	420	59	0	12	386	445
	102	0	6	434	476										
300	67	0	13	400	452	68	0	3	421	434	89	0	23	383	507
	110	0	4	453	481										
400	350	0	15	315	379	61	0	2	416	424	340	0	12	307	369
	29	0	44	36	505										
500	19	0	31	310	440	54	0	3	402	420	37	0	15	361	425
	101	0	13	416	480										
600	65	0	30	393	474	83	0	4	434	449	73	0	28	395	473
	104	0	3	452	474										
700	18	0	6	355	391	56	0	2	411	421	21	0	11	350	431
	102	0	9	415	475										
800	49	0	5	390	424	66	0	3	414	431	58	0	14	377	478
	98	0	11	409	484										
900	66	0	13	402	503	78	0	10	413	471	91	0	18	369	502
	113	0	7	441	489										
1000	39	0	18	360	444	38	0	11	372	428	46	0	22	358	477
	356	0	3	347	363										
1100	5	0	30	303	462	359	0	29	276	445	354	0	34	51	467
	354	0	3	346	360										
1200	352	0	16	288	407	347	0	8	321	379	331	0	26	252	463
	348	0	3	336	356										
1300	291	0	18	249	357	305	0	8	282	325	311	0	13	281	349
	301	0	7	284	323										
1400	320	0	16	257	390	318	0	5	301	336	310	0	14	267	382
	317	0	4	306	333										
1500	330	0	17	278	375	332	0	5	313	351	326	0	14	251	361
	343	0	5	330	356										
1600	340	0	12	305	371	341	0	6	326	366	347	0	14	284	375
	355	0	4	343	364										
1700	339	0	14	280	375	345	0	9	315	379	333	0	16	277	386
	352	0	5	340	364										
1800	8	0	13	319	401	2	0	9	328	382	353	0	19	243	395
	7	0	3	361	376										
1900	5	0	14	317	397	1	0	8	334	386	352	0	24	282	423
	5	0	2	360	371										
2000	19	0	9	349	404	17	0	5	360	390	11	0	23	79	435
	10	0	2	363	388										
2100	24	0	9	356	409	23	0	4	366	395	27	0	20	338	485
	10	0	5	356	413										
2200	35	0	6	380	407	29	0	4	379	399	38	0	17	340	442
	91	0	20	386	486										
2300	64	0	18	32	93	31	0	3	383	399	68	0	20	388	488
	62	0	37	375	509										
2400	88	0	73	11	362	56	0	1	413	420	249	0	23	220	333
	96	0	22	418	484										

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METEOROLOGICAL DATA--CK--FOR MAY 14, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	487	0	353	0	495	0	488	0	20	0	13	0	14	0	14	0	14	0	0	0
200	481	0	351	0	485	0	472	0	16	0	15	0	14	0	14	0	14	0	0	0
300	480	0	343	0	481	0	474	0	13	0	19	0	14	0	14	0	14	0	0	0
400	477	0	342	0	481	0	471	0	11	0	20	0	14	0	14	0	14	0	0	0
500	477	0	343	0	477	0	460	0	10	0	9	0	14	0	14	0	14	0	0	0
600	473	0	338	0	476	0	454	0	10	0	20	0	14	0	14	0	14	0	0	0
700	458	0	336	0	465	0	446	0	5	0	11	0	14	0	14	0	14	0	0	0
800	463	0	345	0	479	0	476	0	17	0	8	0	14	0	14	0	14	0	0	0
900	496	0	365	0	502	0	505	0	31	0	-14	0	14	0	14	0	14	0	0	0
1000	518	0	367	0	482	0	486	0	30	0	-15	0	14	0	14	0	14	0	0	0
1100	538	0	384	0	479	0	487	0	34	0	-15	0	14	0	14	0	14	0	0	0
1200	548	0	386	0	482	0	496	0	39	0	-18	0	14	0	14	0	14	0	0	0
1300	540	0	384	0	486	0	495	0	37	0	-24	0	14	0	14	0	14	0	0	0
1400	534	0	375	0	477	0	489	0	32	0	-22	0	14	0	14	0	14	0	0	0
1500	510	0	365	0	480	0	488	0	27	0	-16	0	14	0	14	0	14	0	0	0
1600	496	0	369	0	481	0	487	0	26	0	-15	0	14	0	14	0	14	0	0	0
1700	507	0	371	0	482	0	488	0	29	0	-17	0	14	0	14	0	14	0	0	0
1800	516	0	372	0	485	0	494	0	29	0	-17	0	14	0	14	0	14	0	0	0
1900	526	0	368	0	480	0	490	0	28	0	-17	0	14	0	14	0	14	0	0	0
2000	523	0	352	0	488	0	492	0	25	0	-11	0	14	0	14	0	14	0	0	0
2100	511	0	336	0	491	0	493	0	21	0	-2	0	14	0	14	0	14	0	0	0
2200	494	0	323	0	494	0	489	0	7	0	3	0	14	0	14	0	14	0	0	0
2300	476	0	317	0	487	0	474	0	1	0	21	0	14	0	14	0	14	0	0	0
2400	472	0	315	0	470	0	455	0	-4	0	29	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 15, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	14	0	0	10	23	57	0	0	46	74	4	0	0	4	5
	16	0	0	5	26										
200	28	0	0	23	31	19	0	0	11	24	26	0	0	16	32
	20	0	0	13	29										
300	28	0	0	18	40	38	0	0	32	44	25	0	0	19	32
	36	0	0	29	48										
400	47	0	0	25	75	88	0	0	74	104	32	0	0	22	50
	67	0	0	48	85										
500	34	0	0	23	56	84	0	0	70	95	31	0	0	20	49
	49	0	0	40	61										
600	41	0	0	25	60	98	0	0	89	106	32	0	0	21	57
	64	0	0	53	78										
700	38	0	0	16	76	96	0	0	72	131	36	0	0	20	61
	93	0	0	68	112										
800	58	0	0	33	87	104	0	0	75	135	31	0	0	12	70
	103	0	0	89	115										
900	31	0	0	11	61	55	0	0	29	100	24	0	0	9	47
	56	0	0	46	69										
1000	38	0	0	21	59	51	0	0	17	95	34	0	0	10	68
	36	0	0	29	45										
1100	51	0	0	21	78	69	0	0	34	112	36	0	0	6	72
	28	0	0	19	36										
1200	61	0	0	26	94	78	0	0	53	108	39	0	0	13	69
	39	0	0	33	48										
1300	62	0	0	27	119	75	0	0	35	128	60	0	0	31	105
	53	0	0	45	61										
1400	68	0	0	37	107	89	0	0	58	134	47	0	0	16	97
	34	0	0	28	44										
1500	88	0	0	47	147	125	0	0	92	155	52	0	0	11	104
	49	0	0	42	59										
1600	80	0	0	38	125	102	0	0	49	142	52	0	0	16	97
	60	0	0	47	71										
1700	81	0	0	32	134	99	0	0	51	129	48	0	0	17	100
	59	0	0	48	67										
1800	60	0	0	25	101	81	0	0	49	117	48	0	0	17	85
	48	0	0	38	62										
1900	50	0	0	19	78	73	0	0	47	96	41	0	0	12	77
	47	0	0	38	54										
2000	52	0	0	22	92	74	0	0	47	101	42	0	0	16	84
	78	0	0	65	87										
2100	20	0	0	12	36	49	0	0	29	71	16	0	0	4	32
	46	0	0	35	55										
2200	9	0	0	6	37	49	0	0	44	56	4	0	0	4	5
	18	0	0	12	26										
2300	13	0	0	6	20	34	0	0	28	43	5	0	0	4	11
	23	0	0	13	38										
2400	16	0	0	12	22	40	0	0	30	49	4	0	0	4	12
	19	0	0	13	27										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 15, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	317	0	14	280	346	37	0	4	388	407	344	0	16	300	370
	14	0	7	362	397										
200	267	0	5	256	279	349	0	9	332	372	250	0	10	232	275
	292	0	7	260	306										
300	278	0	5	262	292	291	0	8	279	312	284	0	8	264	305
	291	0	7	276	308										
400	305	0	14	250	353	312	0	5	301	323	314	0	10	289	340
	329	0	5	315	342										
500	289	0	9	270	315	310	0	3	302	317	297	0	7	271	321
	323	0	7	307	340										
600	302	0	10	277	329	312	0	2	305	316	313	0	8	286	331
	326	0	4	318	337										
700	326	0	18	257	398	329	0	4	314	341	323	0	9	296	364
	347	0	3	337	357										
800	344	0	10	308	368	347	0	4	334	365	341	0	16	283	393
	4	0	2	358	372										
900	343	0	20	259	385	346	0	7	326	370	343	0	19	279	384
	0	0	4	349	370										
1000	348	0	18	290	430	352	0	12	311	395	344	0	19	263	391
	354	0	6	337	371										
1100	338	0	18	42	390	341	0	11	300	366	343	0	23	266	392
	326	0	14	299	356										
1200	345	0	16	299	401	340	0	8	323	365	306	0	15	262	364
	306	0	6	294	322										
1300	334	0	23	266	384	322	0	15	287	355	305	0	13	273	354
	283	0	4	272	293										
1400	344	0	20	296	403	340	0	12	311	371	315	0	26	126	388
	293	0	7	270	307										
1500	352	0	11	311	378	343	0	6	317	364	330	0	20	243	385
	324	0	4	313	335										
1600	350	0	16	299	388	348	0	8	325	377	354	0	20	288	439
	350	0	7	333	365										
1700	345	0	14	293	385	345	0	7	315	366	340	0	19	275	392
	348	0	5	339	366										
1800	337	0	16	274	379	337	0	9	307	366	346	0	16	288	403
	349	0	8	331	363										
1900	330	0	17	280	377	329	0	8	309	362	322	0	16	272	359
	330	0	6	317	346										
2000	344	0	15	294	389	343	0	8	320	363	347	0	14	283	379
	1	0	2	354	368										
2100	307	0	31	226	373	348	0	5	330	366	320	0	17	274	357
	1	0	3	353	372										
2200	306	0	29	265	352	346	0	1	343	349	340	0	12	316	357
	347	0	10	323	373										
2300	159	0	62	188	536	5	0	9	349	383	136	0	56	182	531
	89	0	49	350	498										
2400	196	0	8	185	212	17	0	4	371	389	200	0	21	164	240
	121	0	7	101	142										

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METEOROLOGICAL DATA--CK--FOR MAY 15, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	473	0	322	0	479	0	477	0	5	0	34	0	14	0	14	0	14	0	0	0
200	476	0	327	0	476	0	475	0	20	0	31	0	14	0	14	0	14	0	0	0
300	463	0	345	0	475	0	475	0	21	0	31	0	14	0	14	0	14	0	0	0
400	454	0	345	0	452	0	452	0	7	0	-10	0	14	0	14	0	14	0	0	0
500	455	0	337	0	460	0	461	0	7	0	14	0	14	0	14	0	14	0	0	0
600	459	0	339	0	467	0	468	0	7	0	2	0	14	0	14	0	14	0	0	0
700	460	0	331	0	462	0	464	0	4	0	-8	0	14	0	14	0	14	0	0	0
800	463	0	343	0	465	0	466	0	8	0	-10	0	14	0	14	0	14	0	0	0
900	476	0	345	0	470	0	472	0	11	0	-13	0	14	0	14	0	14	0	0	0
1000	504	0	342	0	476	0	480	0	17	0	-14	0	14	0	14	0	14	0	0	0
1100	515	0	339	0	480	0	485	0	17	0	-17	0	14	0	14	0	14	0	0	0
1200	530	0	342	0	484	0	491	0	21	0	-21	0	14	0	14	0	14	0	0	0
1300	552	0	360	0	484	0	491	0	26	0	-23	0	14	0	14	0	14	0	0	0
1400	551	0	356	0	489	0	498	0	30	0	-20	0	14	0	14	0	14	0	0	0
1500	550	0	359	0	491	0	504	0	32	0	-25	0	14	0	14	0	14	0	0	0
1600	538	0	362	0	499	0	510	0	35	0	-20	0	14	0	14	0	14	0	0	0
1700	542	0	373	0	504	0	517	0	49	0	-20	0	14	0	14	0	14	0	0	0
1800	555	0	375	0	505	0	516	0	44	0	-18	0	14	0	14	0	14	0	0	0
1900	547	0	373	0	505	0	515	0	46	0	-18	0	14	0	14	0	14	0	0	0
2000	518	0	377	0	503	0	511	0	39	0	-14	0	14	0	14	0	14	0	0	0
2100	503	0	361	0	497	0	500	0	31	0	-6	0	14	0	14	0	14	0	0	0
2200	482	0	348	0	488	0	487	0	26	0	11	0	14	0	14	0	14	0	0	0
2300	469	0	352	0	480	0	472	0	23	0	17	0	14	0	14	0	14	0	0	0
2400	463	0	354	0	474	0	454	0	18	0	35	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 16, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	19	0	0	8	27	23	0	0	18	32	7	0	0	4	21
	28	0	0	14	43										
200	14	0	0	9	19	59	0	0	53	67	4	0	0	4	5
	38	0	0	28	46										
300	41	0	0	20	69	82	0	0	35	140	39	0	0	21	57
	52	0	0	23	97										
400	27	0	0	10	55	90	0	0	72	111	25	0	0	10	50
	62	0	0	49	78										
500	17	0	0	8	33	66	0	0	52	78	5	0	0	4	15
	50	0	0	24	76										
600	10	0	0	6	69	50	0	0	39	62	4	0	0	4	8
	34	0	0	16	54										
700	16	0	0	10	21	61	0	0	47	74	4	0	0	4	6
	21	0	0	5	41										
800	17	0	0	6	28	79	0	0	68	84	24	0	0	10	32
	30	0	0	19	49										
900	29	0	0	16	53	36	0	0	21	48	20	0	0	4	56
	50	0	0	36	71										
1000	43	0	0	11	72	41	0	0	23	56	36	0	0	14	61
	45	0	0	37	58										
1100	51	0	0	18	83	61	0	0	30	92	43	0	0	10	73
	37	0	0	31	47										
1200	80	0	0	41	160	102	0	0	52	161	77	0	0	25	176
	79	0	0	42	114										
1300	72	0	0	27	150	84	0	0	45	167	86	0	0	30	175
	85	0	0	48	107										
1400	59	0	0	34	101	63	0	0	36	94	44	0	0	22	75
	33	0	0	22	42										
1500	63	0	0	24	112	92	0	0	43	121	59	0	0	22	100
	35	0	0	22	48										
1600	73	0	0	41	119	89	0	0	53	118	53	0	0	18	87
	67	0	0	54	87										
1700	63	0	0	25	106	87	0	0	43	118	56	0	0	23	101
	77	0	0	65	90										
1800	66	0	0	27	111	89	0	0	57	111	47	0	0	25	88
	59	0	0	51	69										
1900	38	0	0	18	69	63	0	0	32	99	45	0	0	9	78
	51	0	0	40	68										
2000	46	0	0	25	84	77	0	0	40	99	32	0	0	16	55
	58	0	0	43	68										
2100	47	0	0	29	63	91	0	0	65	107	31	0	0	13	62
	65	0	0	20	93										
2200	24	0	0	17	34	70	0	0	53	83	11	0	0	4	23
	29	0	0	18	39										
2300	38	0	0	32	46	112	0	0	104	127	15	0	0	4	38
	23	0	0	5	35										
2400	29	0	0	21	34	103	0	0	96	111	14	0	0	4	28
	42	0	0	27	64										

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METEOROLOGICAL DATA--CK--FOR MAY 16, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	177	0	29	72	202	35	0	6	378	406	170	0	16	148	224
	131	0	12	111	200										
200	97	0	11	75	122	18	0	2	375	383	95	0	8	443	484
	114	0	2	107	121										
300	256	0	13	234	297	275	0	21	256	352	257	0	11	230	288
	237	0	25	132	280										
400	301	0	24	216	400	311	0	8	296	328	317	0	13	288	352
	330	0	6	317	349										
500	358	0	24	306	412	355	0	2	343	363	10	0	13	348	415
	22	0	10	357	431										
600	193	0	52	97	245	17	0	7	364	393	69	0	29	49	205
	93	0	26	384	482										
700	159	0	23	120	536	23	0	5	376	393	172	0	45	90	529
	85	0	25	43	517										
800	81	0	15	34	126	29	0	1	386	392	83	0	10	51	110
	107	0	10	50	123										
900	295	0	29	220	405	304	0	17	241	361	277	0	24	208	362
	333	0	6	320	351										
1000	285	0	27	227	362	306	0	17	260	389	308	0	19	258	362
	343	0	6	323	356										
1100	345	0	18	292	386	354	0	13	309	393	357	0	20	285	448
	337	0	8	319	355										
1200	277	0	21	235	346	288	0	17	256	340	287	0	19	261	333
	283	0	13	263	319										
1300	281	0	21	240	349	281	0	16	249	328	283	0	15	260	341
	275	0	8	259	304										
1400	299	0	21	232	362	306	0	13	267	342	327	0	14	284	365
	309	0	21	259	336										
1500	308	0	15	252	357	316	0	9	285	348	306	0	13	277	353
	327	0	14	302	356										
1600	346	0	14	293	391	343	0	7	303	362	353	0	14	279	413
	1	0	2	350	368										
1700	332	0	18	253	390	345	0	8	320	366	347	0	18	278	395
	2	0	1	356	367										
1800	344	0	15	248	390	346	0	5	328	367	342	0	16	278	392
	1	0	2	353	366										
1900	344	0	21	255	398	354	0	12	318	380	342	0	19	280	403
	351	0	6	335	361										
2000	357	0	14	300	406	7	0	7	346	383	352	0	14	301	390
	4	0	2	360	370										
2100	23	0	6	361	399	28	0	2	383	397	25	0	16	241	449
	13	0	5	361	436										
2200	305	0	18	269	342	20	0	3	369	387	315	0	32	274	373
	9	0	5	352	381										
2300	46	0	3	397	416	46	0	3	401	412	46	0	21	326	471
	114	0	9	75	130										
2400	62	0	5	415	430	62	0	2	418	427	75	0	9	398	453
	113	0	2	467	482										

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METEOROLOGICAL DATA--CK--FOR MAY 16, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	447	0	336	0	466	0	445	0	9	0	46	0	14	0	14	0	14	0	0	0
200	444	0	334	0	458	0	429	0	7	0	57	0	14	0	14	0	14	0	0	0
300	431	0	325	0	460	0	450	0	12	0	51	0	14	0	14	0	14	0	0	0
400	459	0	345	0	478	0	475	0	17	0	10	0	14	0	14	0	14	0	0	0
500	460	0	344	0	471	0	465	0	17	0	4	0	14	0	14	0	14	0	0	0
600	453	0	338	0	461	0	431	0	8	0	15	0	14	0	14	0	14	0	0	0
700	419	0	313	0	463	0	427	0	5	0	49	0	14	0	14	0	14	0	0	0
800	410	0	310	0	466	0	453	0	13	0	64	0	14	0	14	0	14	0	0	0
900	495	0	373	0	483	0	486	0	28	0	0	0	14	0	14	0	14	0	0	0
1000	544	0	392	0	484	0	491	0	30	0	-15	0	14	0	14	0	14	0	0	0
1100	585	0	410	0	490	0	500	0	36	0	-17	0	14	0	14	0	14	0	0	0
1200	569	0	410	0	499	0	505	0	46	0	-23	0	14	0	14	0	14	0	0	0
1300	557	0	400	0	490	0	498	0	33	0	-21	0	14	0	14	0	14	0	0	0
1400	570	0	397	0	499	0	508	0	41	0	-18	0	14	0	14	0	14	0	0	0
1500	599	0	411	0	504	0	517	0	48	0	-25	0	14	0	14	0	14	0	0	0
1600	610	0	417	0	524	0	540	0	65	0	-21	0	14	0	14	0	14	0	0	0
1700	636	0	415	0	535	0	550	0	73	0	-26	0	14	0	14	0	14	0	0	0
1800	621	0	408	0	538	0	551	0	77	0	-20	0	14	0	14	0	14	0	0	0
1900	613	0	407	0	529	0	540	0	70	0	-17	0	14	0	14	0	14	0	0	0
2000	590	0	397	0	530	0	539	0	65	0	-4	0	14	0	14	0	14	0	0	0
2100	578	0	384	0	536	0	534	0	59	0	0	0	14	0	14	0	14	0	0	0
2200	559	0	390	0	514	0	509	0	52	0	20	0	14	0	14	0	14	0	0	0
2300	537	0	389	0	528	0	522	0	44	0	62	0	14	0	14	0	14	0	0	0
2400	531	0	378	0	531	0	512	0	45	0	67	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 17, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	39	0	0	30	48	128	0	0	120	135	38	0	0	29	48
	52	0	0	37	66										
200	37	0	0	28	45	136	0	0	127	148	39	0	0	28	49
	45	0	0	32	61										
300	19	0	0	13	24	119	0	0	109	127	21	0	0	12	33
	44	0	0	33	60										
400	34	0	0	23	44	107	0	0	84	116	31	0	0	20	47
	52	0	0	40	67										
500	31	0	0	18	50	103	0	0	89	120	38	0	0	10	55
	61	0	0	38	83										
600	41	0	0	32	51	86	0	0	78	95	41	0	0	31	51
	76	0	0	53	96										
700	37	0	0	26	53	102	0	0	84	116	48	0	0	39	59
	59	0	0	39	88										
800	31	0	0	13	46	111	0	0	98	126	40	0	0	28	52
	85	0	0	57	112										
900	46	0	0	27	66	72	0	0	36	98	53	0	0	32	90
	76	0	0	50	109										
1000	56	0	0	21	80	61	0	0	28	82	53	0	0	30	77
	78	0	0	35	120										
1100	46	0	0	14	87	54	0	0	21	85	37	0	0	7	76
	30	0	0	9	61										
1200	51	0	0	12	82	56	0	0	24	95	35	0	0	6	64
	31	0	0	17	43										
1300	49	0	0	18	90	75	0	0	36	127	50	0	0	25	96
	61	0	0	44	77										
1400	65	0	0	37	98	86	0	0	64	110	47	0	0	20	75
	60	0	0	41	80										
1500	74	0	0	27	120	96	0	0	61	123	46	0	0	16	78
	106	0	0	85	120										
1600	77	0	0	42	116	101	0	0	61	131	58	0	0	24	109
	139	0	0	93	158										
1700	78	0	0	38	106	93	0	0	72	123	54	0	0	17	109
	138	0	0	115	162										
1800	61	0	0	34	122	76	0	0	52	127	34	0	0	7	68
	118	0	0	96	138										
1900	44	0	0	16	83	69	0	0	35	94	27	0	0	11	55
	111	0	0	94	125										
2000	33	0	0	15	51	51	0	0	38	66	25	0	0	9	40
	44	0	0	15	70										
2100	38	0	0	28	58	90	0	0	77	103	22	0	0	6	39
	26	0	0	16	38										
2200	30	0	0	23	41	69	0	0	52	83	28	0	0	17	39
	32	0	0	20	50										
2300	27	0	0	20	35	132	0	0	109	150	39	0	0	29	46
	35	0	0	25	50										
2400	28	0	0	19	41	138	0	0	121	150	44	0	0	32	56
	42	0	0	29	64										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 17, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	87	0	4	431	458	83	0	2	437	447	90	0	5	427	463
	106	0	2	456	471										
200	87	0	4	436	458	92	0	1	449	455	92	0	2	438	457
	100	0	3	445	471										
300	120	0	9	456	494	108	0	3	461	475	133	0	9	458	506
	104	0	4	447	475										
400	178	0	8	158	190	142	0	1	497	505	175	0	7	156	192
	117	0	3	466	490										
500	108	0	15	86	136	139	0	3	491	504	118	0	16	95	154
	108	0	4	456	483										
600	99	0	3	89	107	136	0	0	492	500	101	0	4	93	115
	110	0	3	458	481										
700	82	0	4	70	93	127	0	4	477	493	89	0	2	83	98
	106	0	5	449	484										
800	101	0	8	75	129	117	0	0	475	481	111	0	10	92	136
	110	0	3	459	480										
900	120	0	11	89	153	126	0	4	465	502	128	0	9	101	156
	110	0	5	455	485										
1000	105	0	11	69	146	119	0	7	451	494	147	0	10	105	174
	122	0	9	87	144										
1100	160	0	21	79	213	167	0	18	130	232	171	0	27	47	490
	241	0	30	154	495										
1200	155	0	31	105	504	153	0	15	96	207	225	0	66	36	508
	352	0	6	324	363										
1300	316	0	24	114	375	311	0	9	286	341	313	0	17	261	351
	359	0	12	323	381										
1400	298	0	24	230	370	305	0	12	281	338	330	0	16	273	376
	359	0	7	334	375										
1500	347	0	13	308	390	344	0	8	303	366	348	0	23	283	398
	6	0	2	360	375										
1600	345	0	14	305	390	349	0	6	325	374	349	0	17	271	413
	10	0	1	366	381										
1700	339	0	9	288	366	350	0	5	335	363	347	0	20	267	406
	11	0	2	364	380										
1800	11	0	11	336	410	13	0	9	344	402	1	0	31	31	479
	8	0	1	362	375										
1900	6	0	20	301	406	33	0	10	367	414	347	0	20	266	437
	13	0	1	369	378										
2000	23	0	11	350	410	34	0	5	379	407	39	0	21	347	458
	14	0	8	328	398										
2100	65	0	8	403	449	53	0	2	405	417	81	0	12	395	472
	109	0	9	418	486										
2200	74	0	7	411	448	125	0	5	476	497	79	0	5	412	452
	88	0	8	421	471										
2300	104	0	9	449	493	143	0	1	500	507	114	0	7	456	493
	115	0	9	433	492										
2400	122	0	5	467	502	143	0	0	501	505	132	0	3	482	499
	117	0	6	459	495										

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METEOROLOGICAL DATA--CK--FOR MAY 17, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	522	0	374	0	526	0	504	0	39	0	88	0	14	0	14	0	14	0	0	0
200	515	0	373	0	518	0	509	0	35	0	96	0	14	0	14	0	14	0	0	0
300	511	0	366	0	516	0	504	0	33	0	117	0	14	0	14	0	14	0	0	0
400	526	0	374	0	546	0	505	0	48	0	110	0	14	0	14	0	14	0	0	0
500	482	0	355	0	527	0	507	0	41	0	109	0	14	0	14	0	14	0	0	0
600	477	0	357	0	519	0	498	0	37	0	90	0	14	0	14	0	14	0	0	0
700	472	0	355	0	500	0	479	0	28	0	92	0	14	0	14	0	14	0	0	0
800	508	0	379	0	538	0	530	0	52	0	64	0	14	0	14	0	14	0	0	0
900	598	0	428	0	597	0	599	0	82	0	-9	0	14	0	14	0	14	0	0	0
1000	654	0	443	0	658	0	662	0	116	0	-15	0	14	0	14	0	14	0	0	0
1100	702	0	442	0	634	0	637	0	113	0	-18	0	14	0	14	0	14	0	0	0
1200	722	0	428	0	612	0	622	0	114	0	-15	0	14	0	13	0	14	0	0	0
1300	716	0	432	0	617	0	627	0	108	0	-25	0	14	0	12	0	14	0	0	0
1400	721	0	419	0	630	0	642	0	109	0	-28	0	14	0	12	0	14	0	0	0
1500	713	0	428	0	633	0	636	0	110	0	-22	0	14	0	12	0	14	0	0	0
1600	710	0	424	0	648	0	650	0	117	0	-22	0	14	0	12	0	14	0	0	0
1700	716	0	428	0	662	0	659	0	123	0	-16	0	14	0	12	0	14	0	0	0
1800	737	0	444	0	628	0	631	0	107	0	-18	0	14	0	12	0	14	0	0	0
1900	725	0	447	0	646	0	628	0	117	0	0	0	14	0	12	0	14	0	0	0
2000	722	0	441	0	587	0	579	0	81	0	-4	0	14	0	12	0	14	0	0	0
2100	693	0	432	0	694	0	670	0	131	0	8	0	14	0	12	0	14	0	0	0
2200	676	0	426	0	672	0	663	0	118	0	36	0	14	0	12	0	14	0	0	0
2300	647	0	424	0	657	0	643	0	110	0	58	0	14	0	12	0	14	0	0	0
2400	635	0	424	0	656	0	641	0	110	0	52	0	14	0	13	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 18, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	36	0	0	25	44	143	0	0	135	149	38	0	0	23	53
	48	0	0	32	63										
200	30	0	0	24	41	146	0	0	140	154	43	0	0	27	52
	43	0	0	30	60										
300	28	0	0	16	42	135	0	0	123	147	41	0	0	28	56
	44	0	0	31	65										
400	35	0	0	26	48	163	0	0	152	174	50	0	0	29	72
	50	0	0	35	78										
500	38	0	0	27	51	150	0	0	139	161	44	0	0	24	62
	57	0	0	39	86										
600	40	0	0	30	58	142	0	0	126	174	57	0	0	28	80
	61	0	0	37	86										
700	53	0	0	29	77	153	0	0	127	175	35	0	0	22	53
	67	0	0	45	94										
800	51	0	0	32	70	134	0	0	83	152	70	0	0	34	106
	79	0	0	51	115										
900	80	0	0	39	123	141	0	0	89	185	76	0	0	49	108
	74	0	0	35	128										
1000	92	0	0	42	151	145	0	0	90	205	75	0	0	33	125
	68	0	0	22	142										
1100	109	0	0	52	172	168	0	0	89	247	94	0	0	50	162
	92	0	0	39	153										
1200	101	0	0	43	177	169	0	0	94	239	100	0	0	47	169
	89	0	0	33	173										
1300	95	0	0	34	177	166	0	0	78	226	96	0	0	53	167
	69	0	0	29	117										
1400	76	0	0	38	138	124	0	0	60	196	101	0	0	46	175
	73	0	0	25	148										
1500	121	0	0	65	209	220	0	0	131	286	102	0	0	47	168
	83	0	0	38	181										
1600	122	0	0	61	205	204	0	0	143	270	88	0	0	42	167
	63	0	0	25	171										
1700	106	0	0	55	160	193	0	0	133	258	75	0	0	34	122
	58	0	0	18	115										
1800	93	0	0	47	147	162	0	0	83	234	122	0	0	71	179
	105	0	0	62	171										
1900	100	0	0	48	155	169	0	0	109	237	85	0	0	46	147
	70	0	0	39	123										
2000	89	0	0	44	138	166	0	0	118	214	73	0	0	35	110
	84	0	0	38	141										
2100	92	0	0	45	143	164	0	0	98	236	97	0	0	64	150
	76	0	0	32	144										
2200	118	0	0	68	233	215	0	0	126	298	116	0	0	64	168
	107	0	0	48	174										
2300	108	0	0	50	185	200	0	0	123	272	98	0	0	52	214
	90	0	0	46	169										
2400	111	0	0	52	186	224	0	0	133	312	99	0	0	45	197
	99	0	0	55	155										

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METEOROLOGICAL DATA--CK--FOR MAY 18, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	141	0	3	488	510	148	0	0	506	509	137	0	3	486	509
	123	0	6	459	513										
200	128	0	5	467	504	146	0	1	503	508	134	0	3	481	505
	118	0	6	92	135										
300	123	0	9	457	505	146	0	1	503	509	127	0	5	466	501
	115	0	6	96	143										
400	134	0	4	482	511	145	0	0	503	508	136	0	3	484	508
	119	0	6	100	138										
500	133	0	4	121	147	148	0	0	505	510	135	0	3	124	151
	118	0	5	99	136										
600	130	0	5	113	144	138	0	1	496	503	134	0	5	118	155
	122	0	6	105	141										
700	146	0	5	131	164	146	0	0	503	510	140	0	6	116	168
	124	0	6	104	144										
800	128	0	6	108	148	133	0	1	488	499	129	0	5	108	146
	115	0	5	103	131										
900	146	0	7	109	171	146	0	4	493	522	140	0	7	115	163
	135	0	11	103	202										
1000	154	0	10	130	188	152	0	9	138	526	149	0	10	130	185
	141	0	19	108	498										
1100	149	0	9	122	178	148	0	6	129	165	148	0	12	119	189
	138	0	15	97	237										
1200	139	0	7	109	165	140	0	5	128	160	138	0	9	103	173
	138	0	15	71	202										
1300	138	0	9	104	161	137	0	6	116	158	138	0	9	106	166
	141	0	20	101	509										
1400	133	0	11	104	166	132	0	6	112	148	133	0	7	99	152
	140	0	27	61	515										
1500	153	0	7	128	181	151	0	3	141	163	144	0	9	117	176
	144	0	22	107	231										
1600	164	0	9	140	191	163	0	5	147	182	159	0	12	120	200
	140	0	22	97	329										
1700	153	0	7	132	178	154	0	4	143	171	151	0	10	118	194
	143	0	17	106	279										
1800	132	0	8	101	155	133	0	6	112	148	131	0	6	110	152
	129	0	11	99	192										
1900	149	0	7	129	197	147	0	4	133	159	147	0	8	118	179
	143	0	16	79	211										
2000	145	0	6	125	176	147	0	3	132	158	142	0	7	120	170
	140	0	15	106	213										
2100	140	0	6	119	161	140	0	3	127	153	139	0	7	107	172
	137	0	11	111	197										
2200	144	0	6	116	168	144	0	4	125	157	141	0	5	126	163
	138	0	13	109	192										
2300	147	0	8	126	176	148	0	5	133	165	145	0	9	121	174
	137	0	13	104	211										
2400	157	0	8	133	180	157	0	3	145	167	155	0	9	126	187
	141	0	13	106	193										

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METEOROLOGICAL DATA--CK--FOR MAY 18, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	638	0	421	0	642	0	623	0	101	0	40	0	14	0	14	0	14	0	0	0
200	621	0	417	0	625	0	610	0	93	0	47	0	14	0	14	0	14	0	0	0
300	602	0	413	0	612	0	591	0	85	0	52	0	14	0	14	0	14	0	0	0
400	590	0	410	0	604	0	590	0	81	0	50	0	14	0	14	0	14	0	0	0
500	596	0	412	0	608	0	602	0	83	0	42	0	14	0	14	0	14	0	0	0
600	596	0	410	0	614	0	612	0	86	0	37	0	14	0	14	0	14	0	0	0
700	608	0	418	0	613	0	613	0	86	0	11	0	14	0	14	0	14	0	0	0
800	610	0	425	0	618	0	620	0	92	0	5	0	14	0	14	0	14	0	0	0
900	654	0	440	0	656	0	660	0	115	0	-9	0	14	0	14	0	14	0	0	0
1000	690	0	440	0	695	0	699	0	139	0	-12	0	14	0	14	0	14	0	0	0
1100	716	0	441	0	720	0	725	0	155	0	-14	0	14	0	13	0	14	0	0	0
1200	733	0	453	0	735	0	740	0	167	0	-16	0	14	0	12	0	14	0	0	0
1300	728	0	450	0	734	0	739	0	164	0	-11	0	14	0	12	0	14	0	0	0
1400	733	0	460	0	738	0	743	0	166	0	-10	0	14	0	12	0	14	0	0	0
1500	750	0	470	0	758	0	764	0	183	0	-15	0	14	0	12	0	14	0	0	0
1600	752	0	474	0	760	0	764	0	181	0	-9	0	14	0	12	0	14	0	0	0
1700	743	0	471	0	748	0	751	0	174	0	-5	0	14	0	12	0	14	0	0	0
1800	738	0	483	0	743	0	747	0	172	0	-7	0	14	0	12	0	14	0	0	0
1900	745	0	483	0	750	0	753	0	175	0	-9	0	14	0	12	0	14	0	0	0
2000	734	0	479	0	740	0	742	0	167	0	-5	0	14	0	12	0	14	0	0	0
2100	728	0	476	0	731	0	733	0	161	0	-3	0	14	0	12	0	14	0	0	0
2200	725	0	476	0	730	0	732	0	160	0	-3	0	14	0	12	0	14	0	0	0
2300	721	0	481	0	724	0	726	0	158	0	-4	0	14	0	12	0	14	0	0	0
2400	721	0	476	0	726	0	727	0	158	0	-4	0	14	0	12	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 19, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	97	0	0	58	152	189	0	0	140	236	77	0	0	36	145
	91	0	0	46	141										
200	87	0	0	45	166	175	0	0	129	235	71	0	0	38	141
	88	0	0	50	144										
300	60	0	0	28	110	146	0	0	90	185	55	0	0	28	100
	82	0	0	50	128										
400	42	0	0	25	73	117	0	0	77	160	43	0	0	12	89
	78	0	0	51	122										
500	69	0	0	36	121	144	0	0	88	202	83	0	0	46	133
	85	0	0	57	125										
600	119	0	0	59	204	233	0	0	153	322	100	0	0	55	183
	102	0	0	46	201										
700	82	0	0	41	144	170	0	0	124	232	66	0	0	28	139
	79	0	0	34	127										
800	76	0	0	39	123	157	0	0	100	204	63	0	0	36	94
	66	0	0	28	111										
900	58	0	0	29	98	115	0	0	69	156	74	0	0	39	116
	77	0	0	47	137										
1000	89	0	0	37	138	170	0	0	102	221	79	0	0	48	125
	79	0	0	40	148										
1100	68	0	0	35	113	134	0	0	82	175	84	0	0	48	121
	76	0	0	42	128										
1200	75	0	0	39	131	133	0	0	55	184	82	0	0	42	142
	71	0	0	32	151										
1300	101	0	0	47	181	168	0	0	86	256	112	0	0	67	194
	94	0	0	46	169										
1400	106	0	0	43	195	200	0	0	138	257	87	0	0	41	163
	85	0	0	40	162										
1500	110	0	0	60	191	192	0	0	121	282	93	0	0	46	185
	88	0	0	33	159										
1600	137	0	0	66	210	239	0	0	143	310	126	0	0	45	198
	106	0	0	52	194										
1700	116	0	0	49	183	203	0	0	91	297	103	0	0	52	172
	85	0	0	36	167										
1800	112	0	0	51	192	203	0	0	118	290	91	0	0	55	167
	90	0	0	39	160										
1900	103	0	0	47	169	187	0	0	102	256	87	0	0	52	155
	83	0	0	31	140										
2000	84	0	0	46	142	152	0	0	86	219	88	0	0	49	147
	84	0	0	46	139										
2100	116	0	0	44	208	206	0	0	127	288	97	0	0	55	155
	90	0	0	44	138										
2200	64	0	0	43	98	133	0	0	88	179	67	0	0	37	102
	56	0	0	18	111										
2300	66	0	0	36	101	129	0	0	58	196	77	0	0	39	123
	92	0	0	49	144										
2400	82	0	0	42	147	150	0	0	103	192	66	0	0	20	138
	99	0	0	58	160										

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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 19, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	157	0	8	129	179	159	0	3	147	168	157	0	10	128	188
	142	0	13	115	201										
200	154	0	7	131	177	158	0	3	144	174	154	0	10	125	179
	141	0	13	82	205										
300	154	0	11	119	186	157	0	6	142	171	148	0	12	122	186
	133	0	10	111	181										
400	146	0	11	122	189	153	0	5	142	168	144	0	12	114	189
	128	0	8	106	179										
500	136	0	7	112	162	138	0	4	122	150	136	0	6	107	162
	128	0	7	112	162										
600	157	0	9	123	182	157	0	5	141	169	154	0	11	118	187
	141	0	14	93	208										
700	168	0	8	143	191	168	0	3	157	177	166	0	13	127	203
	137	0	12	100	191										
800	143	0	6	123	169	148	0	3	139	157	141	0	7	117	165
	130	0	11	100	185										
900	131	0	10	83	161	135	0	5	118	152	132	0	8	103	161
	124	0	8	93	153										
1000	148	0	8	114	184	148	0	4	137	160	144	0	7	129	175
	142	0	15	86	223										
1100	131	0	8	105	156	135	0	3	121	148	133	0	7	99	153
	129	0	9	108	174										
1200	140	0	10	108	171	140	0	7	118	157	138	0	6	115	159
	132	0	12	98	187										
1300	133	0	7	105	157	132	0	4	119	144	132	0	6	108	149
	130	0	12	98	185										
1400	152	0	8	131	179	153	0	4	141	167	154	0	11	118	195
	141	0	15	104	217										
1500	151	0	9	125	178	153	0	6	137	168	155	0	12	115	183
	144	0	17	98	244										
1600	148	0	7	128	181	150	0	4	132	166	149	0	9	120	177
	140	0	14	107	199										
1700	151	0	8	111	183	150	0	4	127	163	147	0	10	117	190
	142	0	17	103	246										
1800	146	0	8	117	175	143	0	3	130	155	143	0	7	116	180
	140	0	16	104	224										
1900	147	0	9	108	182	146	0	5	129	159	144	0	10	106	183
	139	0	18	105	493										
2000	136	0	8	102	161	137	0	3	124	148	136	0	6	115	156
	136	0	15	110	229										
2100	145	0	7	125	176	147	0	4	134	161	143	0	7	110	167
	142	0	16	111	242										
2200	140	0	8	115	168	142	0	4	128	152	138	0	7	111	168
	140	0	15	104	210										
2300	138	0	8	109	165	140	0	4	125	153	138	0	7	107	167
	131	0	8	110	166										
2400	163	0	9	133	188	164	0	4	145	177	162	0	11	122	200
	138	0	10	115	177										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR MAY 19, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	712	0	475	0	718	0	720	0	154	0	-4	0	14	0	12	0	14	0	0	0
200	705	0	472	0	710	0	712	0	149	0	-3	0	14	0	12	0	14	0	0	0
300	692	0	472	0	701	0	703	0	145	0	-1	0	14	0	12	0	14	0	0	0
400	683	0	478	0	689	0	689	0	141	0	1	0	14	0	12	0	14	0	0	0
500	680	0	483	0	682	0	682	0	137	0	-2	0	14	0	13	0	14	0	0	0
600	663	0	517	0	674	0	674	0	149	0	-4	0	14	0	13	0	14	0	0	0
700	638	0	523	0	637	0	635	0	141	0	-8	0	14	0	14	0	14	0	2	0
800	632	0	524	0	622	0	617	0	140	0	-13	0	14	0	14	0	14	0	2	0
900	637	0	521	0	634	0	634	0	141	0	-11	0	14	0	14	0	14	0	0	0
1000	646	0	523	0	646	0	646	0	145	0	-9	0	14	0	14	0	14	0	0	0
1100	636	0	527	0	630	0	628	0	144	0	-14	0	14	0	14	0	14	0	1	0
1200	640	0	534	0	627	0	625	0	146	0	-17	0	14	0	14	0	14	0	3	0
1300	639	0	529	0	636	0	636	0	145	0	-16	0	14	0	14	0	14	0	0	0
1400	635	0	528	0	626	0	623	0	143	0	-15	0	14	0	14	0	14	0	1	0
1500	670	0	546	0	677	0	681	0	168	0	-15	0	14	0	14	0	14	0	1	0
1600	671	0	537	0	675	0	677	0	161	0	-12	0	14	0	14	0	14	0	0	0
1700	683	0	542	0	687	0	689	0	166	0	-14	0	14	0	14	0	14	0	0	0
1800	676	0	537	0	682	0	683	0	162	0	-9	0	14	0	14	0	14	0	0	0
1900	653	0	537	0	647	0	648	0	154	0	-11	0	14	0	14	0	14	0	5	0
2000	639	0	528	0	627	0	622	0	145	0	-13	0	14	0	14	0	14	0	1	0
2100	634	0	519	0	625	0	624	0	139	0	-12	0	14	0	14	0	14	0	1	0
2200	626	0	518	0	613	0	609	0	135	0	-12	0	14	0	14	0	14	0	1	0
2300	623	0	521	0	607	0	605	0	135	0	-16	0	14	0	14	0	14	0	2	0
2400	623	0	521	0	612	0	612	0	136	0	-16	0	14	0	14	0	14	0	1	0

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METEOROLOGICAL DATA--CK--FOR MAY 20, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	60	0	0	31	101	129	0	0	95	161	55	0	0	20	117
	59	0	0	26	110										
200	61	0	0	32	104	129	0	0	88	168	45	0	0	20	85
	54	0	0	26	90										
300	48	0	0	26	81	82	0	0	59	112	30	0	0	8	67
	36	0	0	18	69										
400	29	0	0	18	42	60	0	0	37	75	26	0	0	11	39
	25	0	0	10	48										
500	28	0	0	17	43	60	0	0	42	93	25	0	0	6	48
	34	0	0	16	59										
600	49	0	0	25	83	86	0	0	39	132	48	0	0	20	93
	51	0	0	36	64										
700	55	0	0	25	92	104	0	0	73	144	53	0	0	26	101
	56	0	0	34	81										
800	55	0	0	24	103	111	0	0	67	153	73	0	0	44	114
	52	0	0	40	73										
900	43	0	0	23	72	68	0	0	44	94	40	0	0	19	64
	51	0	0	31	72										
1000	39	0	0	20	69	46	0	0	24	65	30	0	0	11	50
	50	0	0	34	70										
1100	58	0	0	27	92	83	0	0	48	114	57	0	0	21	95
	63	0	0	41	79										
1200	77	0	0	42	129	121	0	0	66	182	73	0	0	34	117
	84	0	0	44	109										
1300	84	0	0	44	121	124	0	0	52	171	83	0	0	28	128
	86	0	0	64	106										
1400	97	0	0	46	149	134	0	0	49	201	77	0	0	32	133
	92	0	0	63	133										
1500	84	0	0	35	134	132	0	0	69	176	80	0	0	43	118
	60	0	0	47	78										
1600	76	0	0	27	154	164	0	0	102	273	99	0	0	39	176
	82	0	0	64	132										
1700	83	0	0	29	148	176	0	0	103	242	85	0	0	38	144
	75	0	0	54	94										
1800	64	0	0	29	117	147	0	0	78	203	91	0	0	43	153
	59	0	0	43	78										
1900	65	0	0	39	104	98	0	0	65	146	77	0	0	36	133
	72	0	0	43	101										
2000	46	0	0	13	97	78	0	0	43	127	31	0	0	13	62
	61	0	0	33	84										
2100	24	0	0	16	35	27	0	0	18	42	16	0	0	5	23
	19	0	0	5	26										
2200	26	0	0	18	38	56	0	0	37	84	14	0	0	4	34
	23	0	0	5	37										
2300	44	0	0	26	81	32	0	0	3	87	39	0	0	23	57
	63	0	0	47	79										
2400	28	0	0	17	38	48	0	0	37	63	27	0	0	18	39
	29	0	0	13	42										

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METEOROLOGICAL DATA--CK--FOR MAY 20, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	162	0	10	128	194	164	0	3	151	174	160	0	13	123	199
	136	0	14	82	201										
200	166	0	9	123	200	171	0	5	155	184	165	0	13	128	207
	138	0	18	95	232										
300	189	0	11	158	222	189	0	5	174	206	196	0	17	147	243
	151	0	30	109	513										
400	196	0	11	158	236	196	0	5	176	210	196	0	15	164	236
	201	0	29	118	237										
500	187	0	15	143	228	207	0	6	187	225	190	0	19	131	237
	212	0	12	154	257										
600	236	0	18	173	284	235	0	8	205	266	249	0	15	168	297
	217	0	5	199	232										
700	256	0	12	202	287	256	0	6	237	273	268	0	12	235	304
	220	0	8	199	246										
800	268	0	14	231	328	282	0	5	268	302	284	0	8	259	313
	253	0	8	230	272										
900	253	0	16	190	303	258	0	7	237	276	264	0	12	228	310
	206	0	7	181	222										
1000	223	0	20	178	281	223	0	11	192	269	235	0	20	170	295
	209	0	5	191	220										
1100	245	0	15	189	291	235	0	9	211	261	254	0	12	227	303
	214	0	5	194	227										
1200	243	0	13	194	277	239	0	7	205	258	252	0	10	216	282
	211	0	5	178	226										
1300	246	0	14	204	277	242	0	8	220	269	258	0	11	218	306
	212	0	3	201	224										
1400	239	0	12	198	278	239	0	7	212	275	254	0	12	225	291
	211	0	4	196	225										
1500	255	0	11	198	289	255	0	8	233	276	269	0	12	235	310
	216	0	6	196	237										
1600	284	0	17	219	352	291	0	6	271	313	294	0	9	267	326
	288	0	6	274	304										
1700	297	0	17	202	343	300	0	8	269	326	302	0	13	265	353
	298	0	5	280	310										
1800	281	0	17	214	352	289	0	7	267	315	288	0	10	259	329
	269	0	10	244	286										
1900	263	0	13	226	302	277	0	8	250	298	280	0	11	248	313
	217	0	9	189	256										
2000	3	0	14	283	466	5	0	9	327	391	348	0	25	271	418
	5	0	6	352	393										
2100	297	0	18	250	349	16	0	9	357	396	325	0	19	277	369
	329	0	17	303	366										
2200	275	0	13	254	328	30	0	6	373	398	266	0	19	242	341
	229	0	24	215	351										
2300	258	0	5	241	273	260	0	14	248	382	247	0	7	231	271
	215	0	5	201	230										
2400	269	0	10	239	292	267	0	3	258	274	253	0	5	240	276
	217	0	5	186	226										

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METEOROLOGICAL DATA--CK--FOR MAY 20, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	620	0	515	0	611	0	609	0	135	0	-17	0	14	0	14	0	14	0	0	0
200	617	0	513	0	611	0	607	0	133	0	-13	0	14	0	14	0	14	0	0	0
300	615	0	510	0	615	0	611	0	133	0	-13	0	14	0	14	0	14	0	0	0
400	609	0	506	0	582	0	564	0	117	0	-11	0	14	0	14	0	14	0	0	0
500	609	0	507	0	582	0	565	0	119	0	-9	0	14	0	14	0	14	0	0	0
600	613	0	513	0	578	0	574	0	116	0	-16	0	14	0	14	0	14	0	0	0
700	595	0	500	0	549	0	546	0	95	0	-16	0	14	0	14	0	14	0	0	0
800	573	0	477	0	530	0	531	0	81	0	-14	0	14	0	14	0	14	0	0	0
900	586	0	489	0	537	0	537	0	88	0	-17	0	14	0	14	0	14	0	0	0
1000	599	0	502	0	565	0	565	0	111	0	-16	0	14	0	14	0	14	0	0	0
1100	604	0	510	0	556	0	561	0	105	0	-16	0	14	0	14	0	14	0	0	0
1200	609	0	517	0	552	0	559	0	100	0	-20	0	14	0	14	0	14	0	0	0
1300	635	0	530	0	577	0	588	0	120	0	-25	0	14	0	14	0	14	0	0	0
1400	670	0	537	0	607	0	620	0	134	0	-20	0	14	0	14	0	14	0	0	0
1500	669	0	536	0	597	0	605	0	120	0	-15	0	14	0	14	0	14	0	0	0
1600	627	0	514	0	556	0	556	0	98	0	-14	0	14	0	14	0	14	0	0	0
1700	576	0	465	0	528	0	527	0	74	0	-8	0	14	0	14	0	14	0	0	0
1800	587	0	467	0	529	0	533	0	73	0	-6	0	14	0	14	0	14	0	0	0
1900	612	0	477	0	563	0	572	0	95	0	-17	0	14	0	14	0	14	0	0	0
2000	583	0	448	0	561	0	564	0	85	0	-10	0	14	0	14	0	14	0	0	0
2100	563	0	437	0	537	0	539	0	67	0	7	0	14	0	14	0	14	0	0	0
2200	532	0	420	0	528	0	526	0	63	0	46	0	14	0	14	0	14	0	0	0
2300	517	0	411	0	512	0	512	0	54	0	49	0	14	0	14	0	14	0	0	0
2400	508	0	402	0	509	0	506	0	51	0	71	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 21, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	14	0	0	6	26	25	0	0	21	30	13	0	0	4	29
	19	0	0	5	35										
200	44	0	0	29	79	124	0	0	96	145	41	0	0	21	64
	38	0	0	24	56										
300	40	0	0	30	49	136	0	0	125	147	34	0	0	19	51
	34	0	0	18	61										
400	39	0	0	28	54	135	0	0	123	149	46	0	0	29	63
	58	0	0	31	92										
500	64	0	0	37	107	164	0	0	121	195	67	0	0	37	113
	82	0	0	47	115										
600	67	0	0	32	118	157	0	0	89	202	74	0	0	44	121
	91	0	0	50	133										
700	65	0	0	31	111	151	0	0	112	198	78	0	0	42	112
	61	0	0	30	96										
800	78	0	0	42	139	144	0	0	91	194	77	0	0	34	126
	86	0	0	41	118										
900	75	0	0	41	134	125	0	0	64	165	72	0	0	32	121
	78	0	0	35	117										
1000	73	0	0	36	121	113	0	0	47	155	74	0	0	32	119
	88	0	0	52	123										
1100	75	0	0	32	120	96	0	0	57	134	78	0	0	30	129
	47	0	0	31	65										
1200	63	0	0	14	109	101	0	0	48	171	84	0	0	34	142
	75	0	0	34	125										
1300	59	0	0	28	102	84	0	0	42	123	50	0	0	15	95
	42	0	0	30	59										
1400	60	0	0	25	100	70	0	0	24	110	63	0	0	9	102
	46	0	0	31	66										
1500	57	0	0	21	95	67	0	0	37	102	38	0	0	5	71
	30	0	0	24	39										
1600	49	0	0	20	81	53	0	0	34	79	45	0	0	26	68
	41	0	0	36	50										
1700	44	0	0	29	69	45	0	0	19	64	18	0	0	4	44
	58	0	0	49	67										
1800	37	0	0	11	53	37	0	0	11	58	18	0	0	4	44
	63	0	0	54	73										
1900	23	0	0	13	34	17	0	0	11	24	6	0	0	4	28
	47	0	0	40	54										
2000	20	0	0	14	27	30	0	0	23	38	5	0	0	4	16
	20	0	0	5	37										
2100	25	0	0	13	36	43	0	0	24	57	15	0	0	4	40
	26	0	0	13	44										
2200	12	0	0	6	53	69	0	0	52	88	15	0	0	4	32
	39	0	0	27	55										
2300	44	0	0	34	52	109	0	0	98	115	30	0	0	14	51
	53	0	0	29	72										
2400	30	0	0	20	41	110	0	0	99	128	23	0	0	4	46
	51	0	0	32	79										

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METEOROLOGICAL DATA--CK--FOR MAY 21, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	226	0	35	190	304	287	0	15	265	305	225	0	14	197	256
	183	0	33	119	265										
200	202	0	7	182	226	198	0	2	196	204	202	0	9	165	225
	139	0	20	104	274										
300	200	0	5	180	212	221	0	2	215	224	203	0	7	167	215
	205	0	15	134	245										
400	210	0	6	197	232	236	0	2	231	242	226	0	8	201	246
	201	0	13	143	238										
500	236	0	10	209	265	241	0	3	231	250	251	0	9	228	280
	210	0	7	179	231										
600	259	0	17	203	308	262	0	5	241	279	268	0	7	245	289
	221	0	11	192	262										
700	259	0	16	211	322	270	0	7	255	293	271	0	11	231	301
	216	0	16	167	267										
800	254	0	13	200	292	258	0	9	238	283	268	0	12	232	301
	213	0	17	142	247										
900	242	0	14	190	277	240	0	8	219	267	254	0	8	228	275
	205	0	9	165	248										
1000	246	0	15	178	287	245	0	7	222	272	259	0	13	220	304
	210	0	7	184	227										
1100	250	0	19	199	296	249	0	11	212	284	259	0	14	189	318
	220	0	7	187	239										
1200	284	0	25	201	503	284	0	18	235	318	287	0	16	242	338
	355	0	9	327	368										
1300	316	0	21	238	393	308	0	10	261	333	312	0	18	270	358
	353	0	6	331	369										
1400	279	0	30	199	348	290	0	18	219	343	285	0	15	235	350
	223	0	7	208	245										
1500	288	0	23	181	352	299	0	12	253	353	336	0	17	263	503
	258	0	10	234	296										
1600	351	0	24	287	401	336	0	15	297	369	302	0	17	258	350
	347	0	3	336	359										
1700	26	0	21	315	417	18	0	14	336	409	1	0	52	54	510
	4	0	2	358	370										
1800	1	0	16	277	397	335	0	11	287	366	347	0	25	212	400
	8	0	1	364	373										
1900	341	0	14	292	388	312	0	16	271	357	1	0	13	334	411
	12	0	2	367	378										
2000	61	0	7	406	447	95	0	2	450	463	69	0	11	401	455
	94	0	16	412	482										
2100	173	0	17	140	194	140	0	7	479	506	162	0	23	118	226
	133	0	35	78	243										
2200	116	0	14	83	145	142	0	1	498	505	122	0	14	412	497
	117	0	7	102	135										
2300	181	0	5	168	197	165	0	2	160	171	180	0	12	141	217
	131	0	7	101	171										
2400	180	0	7	154	201	219	0	5	204	231	177	0	9	145	210
	155	0	17	119	223										

DATA CODES
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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 21, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	507	0	394	0	514	0	496	0	48	0	96	0	14	0	14	0	14	0	0	0
200	488	0	381	0	504	0	487	0	39	0	74	0	14	0	14	0	14	0	0	0
300	510	0	379	0	516	0	499	0	41	0	84	0	14	0	14	0	14	0	0	0
400	528	0	374	0	570	0	570	0	58	0	69	0	14	0	14	0	14	0	0	0
500	557	0	356	0	556	0	556	0	48	0	19	0	14	0	14	0	14	0	0	0
600	563	0	360	0	557	0	556	0	49	0	18	0	14	0	14	0	14	0	0	0
700	571	0	361	0	553	0	554	0	47	0	12	0	14	0	14	0	14	0	0	0
800	592	0	359	0	565	0	560	0	60	0	-3	0	14	0	14	0	14	0	0	0
900	608	0	381	0	572	0	571	0	59	0	-16	0	14	0	14	0	14	0	0	0
1000	642	0	367	0	597	0	596	0	68	0	-18	0	14	0	14	0	14	0	0	0
1100	665	0	367	0	629	0	633	0	86	0	-18	0	14	0	14	0	14	0	0	0
1200	678	0	392	0	598	0	607	0	90	0	-23	0	14	0	14	0	14	0	0	0
1300	656	0	380	0	587	0	597	0	73	0	-24	0	14	0	14	0	14	0	0	0
1400	707	0	376	0	650	0	661	0	104	0	-19	0	14	0	14	0	14	0	0	0
1500	697	0	376	0	636	0	650	0	104	0	-21	0	14	0	14	0	14	0	0	0
1600	705	0	378	0	633	0	645	0	119	0	-20	0	14	0	14	0	14	0	0	0
1700	720	0	359	0	631	0	641	0	110	0	-16	0	14	0	14	0	14	0	0	0
1800	728	0	351	0	625	0	635	0	105	0	-12	0	14	0	14	0	14	0	0	0
1900	718	0	355	0	651	0	634	0	114	0	-9	0	14	0	14	0	14	0	0	0
2000	707	0	391	0	711	0	703	0	138	0	5	0	14	0	14	0	14	0	0	0
2100	692	0	399	0	684	0	677	0	121	0	15	0	14	0	14	0	14	0	0	0
2200	656	0	405	0	675	0	659	0	113	0	48	0	14	0	14	0	14	0	0	0
2300	654	0	385	0	679	0	668	0	113	0	48	0	14	0	14	0	14	0	0	0
2400	633	0	383	0	669	0	648	0	110	0	59	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 22, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	26	0	0	15	43	97	0	0	74	119	28	0	0	12	43
	52	0	0	27	88										
200	21	0	0	12	32	113	0	0	98	129	31	0	0	14	56
	59	0	0	30	93										
300	23	0	0	14	31	108	0	0	99	122	25	0	0	13	39
	47	0	0	26	96										
400	67	0	0	39	117	169	0	0	112	206	66	0	0	36	115
	71	0	0	30	111										
500	96	0	0	56	155	189	0	0	133	237	90	0	0	57	135
	96	0	0	58	126										
600	48	0	0	21	87	143	0	0	98	172	70	0	0	39	101
	65	0	0	36	92										
700	50	0	0	20	77	116	0	0	95	141	57	0	0	35	86
	66	0	0	39	89										
800	65	0	0	34	113	135	0	0	96	171	73	0	0	45	108
	75	0	0	59	99										
900	50	0	0	16	89	110	0	0	69	139	40	0	0	15	101
	29	0	0	14	48										
1000	53	0	0	22	93	75	0	0	39	115	40	0	0	12	76
	28	0	0	15	40										
1100	46	0	0	18	70	51	0	0	35	69	35	0	0	9	62
	43	0	0	35	50										
1200	48	0	0	11	77	55	0	0	36	72	41	0	0	16	68
	37	0	0	31	43										
1300	40	0	0	20	59	36	0	0	16	65	33	0	0	8	51
	46	0	0	40	53										
1400	45	0	0	25	69	47	0	0	20	70	36	0	0	14	59
	29	0	0	22	36										
1500	43	0	0	20	64	59	0	0	51	77	33	0	0	10	53
	68	0	0	60	79										
1600	42	0	0	16	60	48	0	0	13	71	39	0	0	15	91
	41	0	0	30	60										
1700	42	0	0	27	61	66	0	0	43	82	41	0	0	23	57
	27	0	0	20	39										
1800	46	0	0	22	72	84	0	0	68	101	25	0	0	9	47
	67	0	0	57	75										
1900	35	0	0	17	61	95	0	0	60	113	19	0	0	4	48
	58	0	0	36	77										
2000	29	0	0	18	51	68	0	0	40	104	24	0	0	4	60
	75	0	0	45	102										
2100	55	0	0	16	92	93	0	0	5	156	45	0	0	6	107
	85	0	0	12	150										
2200	32	0	0	15	61	90	0	0	60	114	36	0	0	17	70
	23	0	0	5	65										
2300	30	0	0	21	53	83	0	0	61	108	26	0	0	12	48
	35	0	0	24	54										
2400	36	0	0	23	51	77	0	0	52	105	28	0	0	11	51
	38	0	0	25	56										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 22, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	156	0	16	124	195	219	0	4	207	229	164	0	15	136	197
	178	0	24	101	503										
200	163	0	14	121	202	232	0	2	224	241	217	0	9	171	240
	195	0	16	147	259										
300	168	0	11	136	188	231	0	2	226	238	204	0	10	177	229
	186	0	22	76	241										
400	230	0	11	193	261	233	0	3	220	245	244	0	11	219	295
	200	0	12	146	238										
500	251	0	10	217	286	255	0	5	238	272	265	0	9	236	290
	208	0	6	185	226										
600	260	0	19	203	321	268	0	3	258	279	275	0	7	252	301
	217	0	11	171	239										
700	247	0	16	193	285	263	0	5	245	276	261	0	9	223	285
	218	0	8	202	251										
800	255	0	13	218	302	263	0	4	252	285	274	0	9	244	305
	217	0	4	205	232										
900	302	0	22	75	430	306	0	5	288	323	309	0	17	266	368
	334	0	13	243	359										
1000	324	0	27	256	396	319	0	11	284	353	322	0	23	248	388
	359	0	8	324	381										
1100	343	0	15	285	394	336	0	6	314	351	346	0	25	96	413
	1	0	2	353	367										
1200	301	0	22	230	351	312	0	9	290	352	304	0	17	270	368
	325	0	7	309	338										
1300	3	0	19	314	424	344	0	15	289	378	307	0	28	242	462
	346	0	2	338	355										
1400	356	0	21	266	436	348	0	16	286	394	4	0	26	230	404
	279	0	13	258	307										
1500	316	0	18	253	362	323	0	5	310	336	325	0	18	147	386
	1	0	2	353	368										
1600	297	0	23	224	407	292	0	11	226	329	293	0	25	256	360
	277	0	19	251	313										
1700	286	0	20	238	341	297	0	6	277	313	282	0	13	249	319
	257	0	12	238	300										
1800	332	0	15	279	393	326	0	5	312	349	329	0	23	270	378
	3	0	2	357	370										
1900	335	0	18	271	396	340	0	4	326	359	337	0	25	254	480
	10	0	7	349	408										
2000	347	0	27	260	393	359	0	7	343	396	0	0	21	242	407
	6	0	2	363	379										
2100	300	0	61	170	372	302	0	51	190	372	247	0	50	181	465
	288	0	61	222	417										
2200	270	0	25	163	329	265	0	5	243	276	288	0	15	202	339
	288	0	18	259	332										
2300	233	0	17	198	276	236	0	6	223	251	244	0	23	187	293
	229	0	9	209	255										
2400	223	0	17	188	266	237	0	6	218	254	232	0	23	163	304
	219	0	7	188	241										

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METEOROLOGICAL DATA--CK--FOR MAY 22, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	602	0	391	0	677	0	672	0	117	0	67	0	14	0	14	0	14	0	0	0
200	593	0	396	0	667	0	665	0	112	0	74	0	14	0	14	0	14	0	0	0
300	584	0	401	0	658	0	653	0	106	0	75	0	14	0	14	0	14	0	0	0
400	622	0	406	0	634	0	636	0	94	0	17	0	14	0	14	0	14	0	0	0
500	606	0	416	0	583	0	585	0	76	0	6	0	14	0	14	0	14	0	0	0
600	598	0	394	0	590	0	591	0	72	0	21	0	14	0	14	0	14	0	0	0
700	609	0	396	0	596	0	597	0	73	0	3	0	14	0	14	0	14	0	0	0
800	626	0	400	0	604	0	603	0	82	0	-3	0	14	0	14	0	14	0	0	0
900	646	0	404	0	602	0	603	0	80	0	-12	0	14	0	14	0	14	0	0	0
1000	650	0	404	0	604	0	609	0	88	0	-20	0	14	0	14	0	14	0	0	0
1100	644	0	403	0	606	0	615	0	91	0	-17	0	14	0	14	0	14	0	0	0
1200	665	0	418	0	598	0	609	0	93	0	-20	0	14	0	14	0	14	0	0	0
1300	687	0	437	0	592	0	608	0	91	0	-19	0	14	0	14	0	14	0	0	0
1400	730	0	430	0	590	0	599	0	93	0	-15	0	14	0	14	0	14	0	0	0
1500	661	0	448	0	580	0	594	0	84	0	26	0	14	0	14	0	14	0	0	0
1600	721	0	428	0	576	0	585	0	87	0	-13	0	14	0	14	0	14	0	0	0
1700	648	0	432	0	568	0	576	0	80	0	14	0	14	0	14	0	14	0	0	0
1800	612	0	422	0	570	0	579	0	80	0	5	0	14	0	14	0	14	0	0	0
1900	623	0	409	0	597	0	602	0	79	0	6	0	14	0	14	0	14	0	0	0
2000	618	0	402	0	598	0	600	0	79	0	-4	0	14	0	14	0	14	0	0	0
2100	608	0	390	0	580	0	583	0	72	0	-6	0	14	0	14	0	14	0	0	0
2200	581	0	393	0	568	0	569	0	68	0	6	0	14	0	14	0	14	0	0	0
2300	594	0	386	0	583	0	584	0	70	0	1	0	14	0	14	0	14	0	0	0
2400	565	0	419	0	556	0	559	0	64	0	-5	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 23, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	31	0	0	20	42	97	0	0	76	123	25	0	0	6	44
	53	0	0	36	78										
200	75	0	0	45	122	138	0	0	89	194	79	0	0	40	149
	97	0	0	77	111										
300	47	0	0	25	81	93	0	0	64	115	46	0	0	29	76
	72	0	0	60	90										
400	30	0	0	12	49	88	0	0	69	112	47	0	0	18	78
	69	0	0	58	83										
500	11	0	0	6	19	31	0	0	26	35	4	0	0	4	6
	8	0	0	5	21										
600	13	0	0	7	22	50	0	0	42	61	5	0	0	4	13
	61	0	0	28	74										
700	20	0	0	14	29	25	0	0	17	31	12	0	0	4	28
	21	0	0	17	29										
800	13	0	0	6	28	13	0	0	3	24	6	0	0	4	25
	21	0	0	5	40										
900	19	0	0	7	31	12	0	0	3	40	18	0	0	4	48
	33	0	0	20	53										
1000	35	0	0	15	60	25	0	0	4	61	37	0	0	11	64
	35	0	0	29	45										
1100	75	0	0	45	104	92	0	0	61	116	86	0	0	37	124
	70	0	0	57	87										
1200	56	0	0	25	86	61	0	0	7	99	69	0	0	37	100
	49	0	0	36	66										
1300	65	0	0	37	96	81	0	0	58	98	67	0	0	26	93
	48	0	0	37	58										
1400	56	0	0	16	86	67	0	0	45	92	49	0	0	24	83
	35	0	0	27	43										
1500	61	0	0	30	114	71	0	0	43	105	55	0	0	21	95
	47	0	0	30	66										
1600	61	0	0	29	94	77	0	0	47	97	54	0	0	31	74
	46	0	0	36	58										
1700	46	0	0	20	85	59	0	0	29	84	57	0	0	34	88
	55	0	0	44	68										
1800	36	0	0	15	63	39	0	0	18	59	35	0	0	10	51
	47	0	0	36	57										
1900	26	0	0	11	48	29	0	0	11	51	25	0	0	7	46
	43	0	0	36	50										
2000	15	0	0	8	26	8	0	0	3	21	13	0	0	4	26
	27	0	0	17	44										
2100	17	0	0	14	23	33	0	0	20	40	13	0	0	4	22
	26	0	0	16	35										
2200	24	0	0	18	32	55	0	0	47	62	22	0	0	10	44
	40	0	0	24	52										
2300	22	0	0	14	35	71	0	0	67	75	24	0	0	11	40
	45	0	0	32	55										
2400	36	0	0	23	51	109	0	0	101	120	36	0	0	21	54
	29	0	0	16	50										

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METEOROLOGICAL DATA--CK--FOR MAY 23, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	206	0	11	181	244	215	0	3	206	225	213	0	18	161	317
	201	0	6	162	219										
200	248	0	13	202	283	245	0	6	228	269	259	0	11	205	291
	236	0	4	222	245										
300	270	0	16	227	327	259	0	5	240	273	268	0	9	237	299
	260	0	3	248	266										
400	298	0	24	227	369	295	0	4	280	310	299	0	8	280	336
	294	0	6	284	313										
500	156	0	44	188	536	332	0	5	320	346	112	0	29	218	514
	358	0	46	120	418										
600	10	0	31	301	430	343	0	6	330	356	56	0	57	265	493
	353	0	7	337	371										
700	257	0	36	183	535	350	0	21	334	413	258	0	46	199	535
	98	0	23	403	489										
800	121	0	51	44	242	356	0	35	264	396	155	0	58	87	243
	224	0	38	59	284										
900	11	0	77	20	515	55	0	46	184	526	120	0	57	83	520
	291	0	9	269	314										
1000	312	0	16	240	355	319	0	24	282	524	281	0	17	225	318
	291	0	8	262	311										
1100	266	0	13	228	314	279	0	7	263	300	281	0	11	253	321
	288	0	4	277	298										
1200	286	0	28	232	348	292	0	12	256	339	271	0	9	239	293
	293	0	10	270	315										
1300	295	0	18	245	357	293	0	6	270	314	293	0	10	267	335
	303	0	4	292	313										
1400	291	0	21	134	362	309	0	9	269	329	305	0	14	262	363
	300	0	6	280	320										
1500	288	0	21	235	366	304	0	11	264	332	297	0	17	261	354
	276	0	6	260	290										
1600	288	0	16	245	358	302	0	7	274	324	291	0	13	257	333
	254	0	6	238	271										
1700	282	0	30	223	479	281	0	14	230	338	278	0	12	248	320
	232	0	5	217	246										
1800	285	0	27	204	399	303	0	14	248	348	292	0	18	249	392
	226	0	4	213	238										
1900	298	0	34	210	378	310	0	17	262	389	309	0	26	230	377
	223	0	5	209	236										
2000	287	0	57	18	531	254	0	21	165	339	298	0	23	253	389
	219	0	4	193	232										
2100	143	0	23	101	178	147	0	5	138	155	133	0	10	89	152
	118	0	5	105	132										
2200	174	0	12	135	195	174	0	3	166	179	179	0	12	159	220
	129	0	5	117	161										
2300	143	0	11	121	169	170	0	1	165	172	153	0	13	122	174
	125	0	5	107	138										
2400	175	0	7	152	193	186	0	3	180	191	181	0	7	154	204
	129	0	11	91	169										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 23, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	568	0	433	0	566	0	569	0	78	0	6	0	14	0	14	0	14	0	0	0
200	573	0	448	0	550	0	554	0	82	0	-9	0	14	0	14	0	14	0	0	0
300	530	0	394	0	520	0	524	0	38	0	-1	0	14	0	14	0	14	0	0	0
400	503	0	369	0	507	0	509	0	32	0	-3	0	14	0	14	0	14	0	0	0
500	496	0	362	0	511	0	508	0	26	0	4	0	14	0	14	0	14	0	0	0
600	499	0	363	0	516	0	515	0	26	0	3	0	14	0	14	0	14	0	0	0
700	482	0	362	0	500	0	490	0	20	0	19	0	14	0	14	0	14	0	0	0
800	509	0	375	0	517	0	514	0	38	0	9	0	14	0	14	0	14	0	0	0
900	556	0	388	0	516	0	519	0	41	0	-15	0	14	0	14	0	14	0	0	0
1000	607	0	416	0	523	0	526	0	44	0	-16	0	14	0	14	0	14	0	0	0
1100	571	0	397	0	518	0	523	0	46	0	-24	0	14	0	14	0	14	0	0	0
1200	579	0	389	0	520	0	529	0	50	0	-18	0	14	0	14	0	14	0	0	0
1300	595	0	378	0	518	0	530	0	45	0	-23	0	14	0	14	0	14	0	0	0
1400	635	0	384	0	544	0	556	0	56	0	-23	0	14	0	14	0	14	0	0	0
1500	655	0	419	0	559	0	571	0	65	0	-21	0	14	0	14	0	14	0	0	0
1600	638	0	424	0	559	0	575	0	75	0	-23	0	14	0	14	0	14	0	0	0
1700	662	0	427	0	568	0	584	0	81	0	-19	0	14	0	14	0	14	0	0	0
1800	703	0	400	0	578	0	590	0	89	0	-16	0	14	0	14	0	14	0	0	0
1900	724	0	395	0	604	0	608	0	98	0	-14	0	14	0	14	0	14	0	0	0
2000	726	0	378	0	690	0	650	0	139	0	-9	0	14	0	14	0	14	0	0	0
2100	696	0	369	0	686	0	668	0	117	0	11	0	14	0	14	0	14	0	0	0
2200	662	0	367	0	671	0	639	0	106	0	46	0	14	0	14	0	14	0	0	0
2300	642	0	354	0	658	0	621	0	98	0	66	0	14	0	14	0	14	0	0	0
2400	624	0	352	0	647	0	622	0	89	0	83	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 24, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	36	0	0	22	51	147	0	0	131	154	36	0	0	14	70
	42	0	0	22	65										
200	41	0	0	29	56	148	0	0	140	164	33	0	0	14	58
	44	0	0	32	57										
300	44	0	0	28	60	136	0	0	112	161	36	0	0	15	67
	51	0	0	19	90										
400	53	0	0	37	82	140	0	0	114	172	46	0	0	15	91
	77	0	0	35	122										
500	66	0	0	36	119	149	0	0	117	181	68	0	0	32	115
	85	0	0	36	141										
600	49	0	0	33	65	120	0	0	87	162	42	0	0	19	73
	67	0	0	27	124										
700	90	0	0	40	185	168	0	0	78	269	81	0	0	22	177
	88	0	0	43	141										
800	111	0	0	62	187	218	0	0	123	327	108	0	0	40	187
	78	0	0	41	127										
900	106	0	0	67	167	198	0	0	126	253	94	0	0	38	166
	84	0	0	35	122										
1000	87	0	0	49	136	114	0	0	54	158	57	0	0	17	115
	75	0	0	37	153										
1100	131	0	0	65	218	186	0	0	83	271	116	0	0	54	222
	104	0	0	63	140										
1200	81	0	0	35	134	123	0	0	40	173	54	0	0	18	112
	50	0	0	15	109										
1300	115	0	0	45	196	155	0	0	90	204	76	0	0	17	137
	76	0	0	30	145										
1400	131	0	0	56	205	185	0	0	109	260	91	0	0	33	201
	89	0	0	35	151										
1500	100	0	0	46	168	181	0	0	110	246	77	0	0	21	172
	76	0	0	35	138										
1600	110	0	0	50	183	190	0	0	144	263	97	0	0	27	197
	87	0	0	30	161										
1700	123	0	0	54	207	210	0	0	125	274	119	0	0	52	242
	89	0	0	28	181										
1800	125	0	0	62	208	212	0	0	134	282	100	0	0	32	192
	92	0	0	41	179										
1900	101	0	0	42	188	199	0	0	134	259	97	0	0	42	175
	81	0	0	33	152										
2000	96	0	0	43	193	171	0	0	104	268	81	0	0	30	145
	66	0	0	31	107										
2100	97	0	0	42	194	210	0	0	142	327	94	0	0	42	206
	75	0	0	38	126										
2200	100	0	0	48	152	194	0	0	123	253	91	0	0	31	155
	61	0	0	26	137										
2300	121	0	0	64	225	221	0	0	136	321	94	0	0	28	176
	84	0	0	39	151										
2400	130	0	0	60	220	250	0	0	156	316	103	0	0	41	230
	98	0	0	30	168										

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METEOROLOGICAL DATA--CK--FOR MAY 24, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	172	0	5	155	187	191	0	0	190	193	180	0	9	136	201
	132	0	10	109	180										
200	182	0	7	159	202	198	0	2	192	202	192	0	11	150	225
	137	0	8	114	159										
300	191	0	9	169	213	217	0	2	208	225	196	0	13	156	234
	197	0	22	99	243										
400	214	0	8	186	236	228	0	2	221	237	222	0	13	159	252
	201	0	11	151	234										
500	222	0	10	196	257	228	0	3	215	245	235	0	11	168	280
	193	0	16	130	244										
600	183	0	9	156	206	221	0	4	207	241	199	0	14	165	261
	183	0	20	109	245										
700	221	0	17	160	262	224	0	9	194	253	232	0	15	139	268
	200	0	15	126	253										
800	229	0	13	185	264	228	0	5	213	248	241	0	13	196	297
	205	0	12	165	243										
900	224	0	11	198	257	225	0	5	207	246	234	0	12	196	283
	198	0	15	153	391										
1000	185	0	8	160	219	194	0	7	175	219	189	0	17	136	246
	187	0	25	110	431										
1100	227	0	19	180	277	227	0	11	201	264	236	0	20	177	323
	217	0	8	193	246										
1200	179	0	18	134	234	179	0	11	148	219	176	0	20	118	254
	149	0	31	66	235										
1300	191	0	10	158	222	191	0	5	174	214	197	0	16	148	256
	199	0	16	134	323										
1400	185	0	9	153	211	185	0	6	170	221	194	0	15	147	256
	191	0	18	119	236										
1500	170	0	11	137	198	169	0	6	150	190	165	0	16	120	221
	136	0	19	77	513										
1600	166	0	13	103	198	163	0	6	142	178	165	0	15	127	205
	137	0	16	98	234										
1700	169	0	11	139	201	167	0	6	150	188	170	0	13	125	213
	136	0	21	99	512										
1800	159	0	11	118	191	158	0	6	141	176	156	0	13	122	195
	138	0	22	101	500										
1900	162	0	10	127	198	162	0	5	147	175	160	0	12	126	199
	139	0	19	82	284										
2000	177	0	10	147	209	175	0	5	161	191	177	0	12	144	210
	148	0	28	104	507										
2100	162	0	10	123	191	162	0	4	148	178	161	0	13	118	207
	140	0	19	84	479										
2200	173	0	9	146	200	171	0	5	159	188	170	0	12	140	205
	142	0	29	91	512										
2300	170	0	11	126	197	173	0	6	156	193	168	0	16	110	218
	139	0	20	103	490										
2400	166	0	7	143	191	165	0	4	150	180	161	0	12	129	203
	140	0	18	91	395										

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METEOROLOGICAL DATA--CK--FOR MAY 24, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	616	0	340	0	670	0	661	0	103	0	103	0	14	0	14	0	14	0	0	0
200	609	0	340	0	656	0	629	0	95	0	115	0	14	0	14	0	14	0	0	0
300	636	0	336	0	637	0	637	0	92	0	47	0	14	0	14	0	14	0	0	0
400	650	0	384	0	665	0	666	0	109	0	20	0	14	0	14	0	14	0	0	0
500	663	0	436	0	659	0	661	0	113	0	1	0	14	0	14	0	14	0	0	0
600	618	0	410	0	662	0	663	0	116	0	38	0	14	0	14	0	14	0	0	0
700	663	0	456	0	655	0	658	0	119	0	2	0	14	0	14	0	14	0	0	0
800	665	0	477	0	631	0	633	0	113	0	-6	0	14	0	14	0	14	0	0	0
900	683	0	488	0	664	0	666	0	130	0	-8	0	14	0	14	0	14	0	0	0
1000	705	0	508	0	702	0	706	0	157	0	-12	0	14	0	14	0	14	0	0	0
1100	735	0	533	0	653	0	663	0	137	0	-20	0	14	0	14	0	14	0	0	0
1200	726	0	534	0	717	0	719	0	169	0	-11	0	14	0	14	0	14	0	0	0
1300	739	0	543	0	747	0	755	0	192	0	-19	0	14	0	14	0	14	0	0	0
1400	765	0	548	0	753	0	763	0	194	0	-19	0	14	0	14	0	14	0	0	0
1500	761	0	539	0	771	0	778	0	203	0	-17	0	14	0	14	0	14	0	0	0
1600	793	0	539	0	803	0	815	0	224	0	-25	0	14	0	14	0	14	0	0	0
1700	798	0	546	0	810	0	819	0	229	0	-20	0	14	0	14	0	14	0	0	0
1800	810	0	550	0	821	0	827	0	241	0	-20	0	14	0	14	0	14	0	0	0
1900	804	0	548	0	816	0	821	0	230	0	-12	0	14	0	14	0	14	0	0	0
2000	791	0	542	0	804	0	807	0	217	0	-4	0	14	0	14	0	14	0	0	0
2100	773	0	507	0	785	0	787	0	199	0	-2	0	14	0	14	0	14	0	0	0
2200	761	0	495	0	771	0	773	0	188	0	-1	0	14	0	14	0	14	0	0	0
2300	757	0	499	0	762	0	764	0	184	0	-4	0	14	0	14	0	14	0	0	0
2400	738	0	510	0	746	0	748	0	177	0	-5	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 25, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	158	0	0	63	257	263	0	0	160	370	106	0	0	32	208
	95	0	0	38	185										
200	137	0	0	69	214	233	0	0	145	327	128	0	0	58	260
	81	0	0	16	158										
300	162	0	0	82	280	270	0	0	195	363	120	0	0	54	225
	82	0	0	33	156										
400	118	0	0	33	230	216	0	0	108	378	119	0	0	62	221
	149	0	0	81	227										
500	59	0	0	16	118	93	0	0	13	179	67	0	0	9	148
	47	0	0	21	81										
600	85	0	0	41	144	167	0	0	85	238	84	0	0	48	159
	88	0	0	51	139										
700	80	0	0	38	126	142	0	0	81	193	99	0	0	49	146
	100	0	0	63	162										
800	54	0	0	20	108	132	0	0	94	173	52	0	0	26	100
	94	0	0	54	148										
900	78	0	0	30	136	129	0	0	72	197	61	0	0	9	105
	71	0	0	20	163										
1000	121	0	0	55	202	181	0	0	106	274	92	0	0	12	205
	63	0	0	27	157										
1100	117	0	0	59	197	158	0	0	103	224	94	0	0	33	185
	78	0	0	39	144										
1200	78	0	0	34	129	129	0	0	80	184	76	0	0	39	126
	38	0	0	20	88										
1300	63	0	0	32	102	90	0	0	30	125	59	0	0	29	96
	71	0	0	41	115										
1400	67	0	0	30	116	97	0	0	42	148	53	0	0	11	117
	38	0	0	16	72										
1500	64	0	0	23	113	89	0	0	43	131	56	0	0	8	101
	55	0	0	29	76										
1600	63	0	0	24	93	103	0	0	77	125	37	0	0	11	96
	75	0	0	44	101										
1700	59	0	0	20	98	74	0	0	36	97	31	0	0	11	64
	43	0	0	10	77										
1800	22	0	0	11	43	16	0	0	3	32	19	0	0	4	40
	54	0	0	17	120										
1900	54	0	0	25	83	92	0	0	60	118	38	0	0	8	69
	67	0	0	23	139										
2000	40	0	0	20	61	83	0	0	49	100	39	0	0	13	63
	48	0	0	26	78										
2100	54	0	0	38	76	92	0	0	66	107	41	0	0	15	72
	44	0	0	33	61										
2200	23	0	0	12	34	62	0	0	34	84	29	0	0	7	45
	44	0	0	26	66										
2300	20	0	0	6	47	16	0	0	3	41	13	0	0	4	33
	20	0	0	5	46										
2400	28	0	0	22	36	80	0	0	69	87	20	0	0	4	34
	28	0	0	12	48										

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METEOROLOGICAL DATA--CK--FOR MAY 25, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	176	0	8	147	199	175	0	5	160	194	176	0	13	131	224
	141	0	19	98	467										
200	179	0	8	140	207	179	0	6	159	196	179	0	13	130	226
	145	0	24	97	376										
300	183	0	9	133	207	181	0	5	164	195	184	0	15	139	248
	161	0	29	85	415										
400	254	0	15	213	297	262	0	9	242	296	273	0	16	208	324
	246	0	8	226	269										
500	129	0	40	59	226	102	0	19	105	498	111	0	34	86	517
	82	0	31	36	462										
600	144	0	9	111	177	144	0	4	492	516	141	0	8	114	183
	124	0	10	103	178										
700	129	0	8	99	153	129	0	4	477	500	130	0	7	105	151
	118	0	7	99	143										
800	158	0	12	102	200	155	0	8	140	521	156	0	13	117	197
	127	0	6	107	147										
900	179	0	16	110	227	171	0	10	144	202	171	0	20	92	224
	136	0	15	83	211										
1000	182	0	9	148	218	181	0	7	161	207	184	0	14	118	236
	155	0	34	91	500										
1100	193	0	12	143	222	192	0	8	162	226	190	0	17	122	245
	198	0	27	95	509										
1200	240	0	13	209	293	237	0	8	215	264	257	0	17	205	300
	218	0	19	126	266										
1300	245	0	16	198	281	242	0	9	203	272	260	0	13	230	305
	220	0	12	180	257										
1400	259	0	11	217	289	267	0	7	232	284	283	0	16	199	332
	246	0	23	175	330										
1500	217	0	13	175	267	223	0	7	201	241	227	0	16	95	298
	210	0	9	171	226										
1600	339	0	15	295	378	333	0	6	318	361	329	0	19	226	389
	6	0	5	355	386										
1700	20	0	21	265	435	15	0	17	304	402	14	0	22	314	446
	35	0	43	337	509										
1800	101	0	63	55	416	80	0	54	86	409	108	0	52	27	414
	17	0	29	299	481										
1900	4	0	14	276	401	12	0	7	354	393	3	0	18	287	409
	18	0	18	359	481										
2000	78	0	12	406	489	67	0	3	416	434	90	0	12	36	132
	113	0	12	403	495										
2100	69	0	5	411	456	77	0	1	433	440	79	0	7	414	461
	107	0	7	433	483										
2200	116	0	12	438	516	120	0	5	462	494	121	0	11	448	510
	114	0	4	460	487										
2300	290	0	29	262	435	141	0	30	91	276	283	0	37	230	449
	344	0	69	22	509										
2400	205	0	6	190	227	217	0	4	209	227	209	0	10	183	240
	203	0	15	129	229										

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METEOROLOGICAL DATA--CK--FOR MAY 25, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	731	0	519	0	736	0	737	0	174	0	-5	0	14	0	14	0	14	0	0	0
200	732	0	534	0	737	0	739	0	179	0	-7	0	14	0	14	0	14	0	0	0
300	733	0	547	0	738	0	739	0	183	0	-7	0	14	0	14	0	14	0	0	0
400	602	0	496	0	532	0	535	0	9999	2	9999	2	14	0	14	0	13	0	31	0
500	602	0	495	0	507	0	509	0	123	0	-59	0	14	0	14	0	13	0	10	0
600	610	0	500	0	516	0	513	0	112	0	-54	0	14	0	14	0	13	0	1	0
700	613	0	502	0	554	0	546	0	124	0	-45	0	14	0	14	0	13	0	0	0
800	616	0	504	0	562	0	559	0	148	0	-38	0	14	0	14	0	13	0	0	0
900	650	0	526	0	631	0	632	0	183	0	-32	0	14	0	14	0	14	0	0	0
1000	669	0	539	0	674	0	677	0	210	0	-21	0	14	0	14	0	14	0	0	0
1100	707	0	552	0	706	0	712	0	217	0	-21	0	14	0	14	0	14	0	0	0
1200	715	0	559	0	618	0	627	0	164	0	-21	0	14	0	14	0	14	0	0	0
1300	702	0	550	0	643	0	647	0	149	0	-17	0	14	0	14	0	14	0	0	0
1400	678	0	539	0	636	0	640	0	138	0	-14	0	14	0	14	0	14	0	0	0
1500	712	0	561	0	682	0	680	0	165	0	-15	0	14	0	14	0	14	0	0	0
1600	683	0	551	0	629	0	627	0	136	0	-17	0	14	0	14	0	14	0	0	0
1700	654	0	532	0	642	0	643	0	145	0	-18	0	14	0	14	0	14	0	0	0
1800	685	0	548	0	642	0	640	0	145	0	-14	0	14	0	14	0	14	0	0	0
1900	635	0	508	0	611	0	612	0	117	0	-12	0	14	0	14	0	14	0	0	0
2000	658	0	532	0	659	0	662	0	149	0	-7	0	14	0	14	0	14	0	0	0
2100	660	0	544	0	658	0	654	0	157	0	-3	0	14	0	14	0	14	0	0	0
2200	660	0	546	0	661	0	655	0	160	0	-10	0	14	0	14	0	14	0	0	0
2300	653	0	547	0	649	0	637	0	156	0	-4	0	14	0	14	0	14	0	1	0
2400	652	0	550	0	647	0	629	0	157	0	4	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
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4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 26, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	53	0	0	29	81	105	0	0	76	125	43	0	0	21	73
	56	0	0	24	91										
200	49	0	0	26	80	108	0	0	88	131	47	0	0	26	76
	65	0	0	26	106										
300	45	0	0	29	74	101	0	0	63	130	53	0	0	20	86
	68	0	0	43	93										
400	61	0	0	27	93	128	0	0	96	171	51	0	0	24	85
	80	0	0	55	106										
500	62	0	0	28	116	143	0	0	101	203	63	0	0	30	116
	114	0	0	61	199										
600	63	0	0	31	122	134	0	0	87	214	77	0	0	36	136
	79	0	0	20	137										
700	65	0	0	35	102	138	0	0	85	193	80	0	0	32	162
	78	0	0	26	151										
800	62	0	0	37	119	131	0	0	90	167	70	0	0	36	123
	62	0	0	26	98										
900	99	0	0	57	160	157	0	0	65	210	79	0	0	37	139
	85	0	0	35	129										
1000	105	0	0	51	176	167	0	0	79	235	95	0	0	45	161
	116	0	0	94	157										
1100	88	0	0	44	161	131	0	0	55	194	95	0	0	47	157
	97	0	0	67	129										
1200	87	0	0	32	144	118	0	0	55	169	86	0	0	30	170
	89	0	0	66	118										
1300	86	0	0	48	125	111	0	0	76	149	83	0	0	38	132
	64	0	0	51	77										
1400	88	0	0	35	159	117	0	0	53	173	101	0	0	50	156
	80	0	0	66	103										
1500	69	0	0	32	117	92	0	0	45	127	89	0	0	50	146
	72	0	0	63	83										
1600	77	0	0	23	137	109	0	0	45	163	79	0	0	26	155
	50	0	0	42	65										
1700	73	0	0	23	123	91	0	0	44	122	72	0	0	35	112
	63	0	0	49	76										
1800	89	0	0	39	131	122	0	0	86	160	88	0	0	34	144
	79	0	0	61	90										
1900	65	0	0	34	113	111	0	0	66	165	84	0	0	49	130
	74	0	0	59	92										
2000	57	0	0	15	115	130	0	0	54	190	55	0	0	22	103
	79	0	0	67	94										
2100	52	0	0	17	89	113	0	0	53	174	31	0	0	10	73
	100	0	0	76	123										
2200	43	0	0	25	78	88	0	0	45	151	28	0	0	6	70
	104	0	0	73	120										
2300	44	0	0	22	73	83	0	0	42	119	30	0	0	5	66
	117	0	0	86	144										
2400	40	0	0	17	84	82	0	0	48	124	29	0	0	8	76
	103	0	0	84	129										

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METEOROLOGICAL DATA--CK--FOR MAY 26, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	218	0	11	187	266	230	0	8	215	249	232	0	14	187	268
	204	0	9	155	225										
200	240	0	12	197	284	238	0	4	229	255	259	0	12	225	297
	205	0	11	147	251										
300	234	0	15	189	269	244	0	4	229	257	256	0	11	184	290
	214	0	5	185	229										
400	246	0	10	216	272	247	0	4	237	260	264	0	11	225	297
	218	0	7	184	235										
500	242	0	13	203	290	265	0	5	250	276	257	0	11	228	294
	246	0	11	219	295										
600	251	0	13	205	290	262	0	6	245	284	266	0	9	240	293
	222	0	17	117	266										
700	255	0	12	216	283	261	0	7	239	276	266	0	9	231	302
	215	0	11	170	276										
800	234	0	14	199	277	240	0	5	226	260	253	0	11	228	290
	204	0	15	148	259										
900	235	0	12	205	268	238	0	8	218	275	252	0	16	211	304
	208	0	11	131	241										
1000	251	0	14	207	281	254	0	8	217	279	266	0	14	225	308
	240	0	9	223	262										
1100	254	0	15	213	305	264	0	9	229	295	275	0	12	222	300
	215	0	6	192	230										
1200	259	0	13	216	306	260	0	9	233	292	277	0	15	218	321
	217	0	3	206	228										
1300	264	0	11	222	304	267	0	6	247	285	287	0	11	251	319
	219	0	4	200	234										
1400	235	0	14	195	287	251	0	10	206	330	270	0	12	223	312
	218	0	4	204	232										
1500	275	0	18	228	347	284	0	10	256	340	267	0	11	238	310
	246	0	5	231	265										
1600	307	0	17	227	365	295	0	9	260	320	297	0	14	246	342
	261	0	9	237	280										
1700	261	0	18	112	315	268	0	10	220	311	274	0	16	218	326
	226	0	7	207	245										
1800	264	0	12	224	299	266	0	7	244	284	276	0	11	247	306
	234	0	5	216	248										
1900	271	0	20	206	344	281	0	10	250	311	279	0	10	253	314
	264	0	5	250	278										
2000	299	0	25	134	433	306	0	8	276	331	303	0	16	267	353
	289	0	7	270	310										
2100	335	0	22	101	415	329	0	7	309	347	322	0	28	197	478
	340	0	6	318	357										
2200	12	0	15	305	412	1	0	8	327	399	9	0	26	26	449
	5	0	4	351	376										
2300	0	0	15	315	408	351	0	10	318	386	352	0	29	244	442
	1	0	4	347	378										
2400	328	0	30	104	395	322	0	9	295	350	320	0	29	53	439
	331	0	6	317	350										

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METEOROLOGICAL DATA--CK--FOR MAY 26, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	649	0	537	0	602	0	588	0	126	0	-7	0	14	0	14	0	14	0	0	0
200	638	0	521	0	609	0	600	0	128	0	-7	0	14	0	14	0	14	0	0	0
300	608	0	503	0	581	0	576	0	109	0	-21	0	14	0	14	0	14	0	0	0
400	585	0	483	0	560	0	552	0	94	0	-20	0	14	0	14	0	14	0	0	0
500	573	0	470	0	570	0	562	0	105	0	-7	0	14	0	14	0	14	0	0	0
600	582	0	476	0	553	0	542	0	88	0	-14	0	14	0	14	0	14	0	0	0
700	572	0	470	0	540	0	531	0	80	0	-20	0	14	0	14	0	14	0	0	0
800	585	0	482	0	558	0	551	0	94	0	-20	0	14	0	14	0	14	0	0	0
900	628	0	508	0	592	0	594	0	113	0	-22	0	14	0	14	0	14	0	0	0
1000	611	0	474	0	575	0	577	0	95	0	-22	0	14	0	14	0	14	0	0	0
1100	625	0	439	0	580	0	588	0	87	0	-23	0	14	0	14	0	14	0	0	0
1200	642	0	422	0	604	0	620	0	100	0	-22	0	14	0	14	0	14	0	0	0
1300	655	0	402	0	617	0	633	0	100	0	-20	0	14	0	14	0	14	0	0	0
1400	686	0	395	0	629	0	639	0	108	0	-26	0	14	0	14	0	14	0	0	0
1500	669	0	390	0	612	0	636	0	96	0	-25	0	14	0	14	0	14	0	0	0
1600	660	0	383	0	613	0	628	0	101	0	-18	0	14	0	14	0	14	0	0	0
1700	673	0	393	0	620	0	636	0	103	0	-22	0	14	0	14	0	14	0	0	0
1800	656	0	402	0	616	0	632	0	104	0	-21	0	14	0	14	0	14	0	0	0
1900	647	0	410	0	604	0	611	0	96	0	-19	0	14	0	14	0	14	0	0	0
2000	610	0	390	0	586	0	591	0	82	0	-13	0	14	0	14	0	14	0	0	0
2100	563	0	365	0	562	0	568	0	52	0	-8	0	14	0	14	0	14	0	0	0
2200	552	0	370	0	561	0	566	0	53	0	-4	0	14	0	14	0	14	0	0	0
2300	544	0	355	0	553	0	557	0	39	0	-8	0	14	0	14	0	14	0	0	0
2400	531	0	348	0	534	0	539	0	30	0	-10	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 27, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	47	0	0	20	86	119	0	0	75	183	40	0	0	5	93
	129	0	0	101	159										
200	62	0	0	24	114	138	0	0	88	185	69	0	0	25	122
	133	0	0	106	161										
300	68	0	0	24	129	175	0	0	116	235	72	0	0	24	162
	168	0	0	144	193										
400	61	0	0	21	129	157	0	0	108	211	63	0	0	24	123
	168	0	0	137	201										
500	54	0	0	20	118	140	0	0	90	189	58	0	0	25	131
	145	0	0	124	169										
600	58	0	0	18	116	145	0	0	86	200	69	0	0	27	129
	164	0	0	142	191										
700	68	0	0	23	138	161	0	0	110	218	52	0	0	22	113
	178	0	0	155	209										
800	54	0	0	18	119	123	0	0	67	181	50	0	0	20	112
	165	0	0	136	196										
900	79	0	0	21	144	142	0	0	88	207	43	0	0	13	106
	174	0	0	146	201										
1000	101	0	0	40	187	166	0	0	85	224	54	0	0	16	161
	182	0	0	148	209										
1100	97	0	0	37	161	167	0	0	120	203	50	0	0	14	119
	159	0	0	134	180										
1200	79	0	0	36	152	141	0	0	99	175	49	0	0	16	115
	136	0	0	114	162										
1300	93	0	0	36	156	130	0	0	59	181	48	0	0	12	96
	135	0	0	114	152										
1400	79	0	0	30	130	115	0	0	84	154	43	0	0	14	101
	116	0	0	94	137										
1500	69	0	0	29	113	92	0	0	47	128	55	0	0	16	107
	77	0	0	64	97										
1600	64	0	0	32	111	101	0	0	62	140	52	0	0	15	95
	57	0	0	45	70										
1700	50	0	0	17	90	75	0	0	45	125	50	0	0	10	91
	46	0	0	33	58										
1800	57	0	0	23	86	68	0	0	42	110	44	0	0	14	72
	37	0	0	23	49										
1900	36	0	0	17	73	52	0	0	16	71	34	0	0	8	67
	44	0	0	32	59										
2000	37	0	0	16	56	47	0	0	28	63	26	0	0	5	51
	37	0	0	18	50										
2100	22	0	0	18	29	41	0	0	32	50	11	0	0	4	25
	21	0	0	12	31										
2200	32	0	0	24	41	75	0	0	68	86	20	0	0	4	31
	37	0	0	25	55										
2300	15	0	0	11	22	60	0	0	56	74	4	0	0	4	5
	45	0	0	35	56										
2400	31	0	0	13	61	113	0	0	91	138	28	0	0	16	40
	56	0	0	39	73										

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METEOROLOGICAL DATA--CK--FOR MAY 27, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	293	0	29	156	381	308	0	7	286	328	303	0	14	265	360
	313	0	4	303	325										
200	292	0	21	222	384	302	0	6	284	326	301	0	11	275	336
	311	0	3	301	321										
300	297	0	23	86	419	306	0	5	287	320	306	0	13	258	369
	308	0	2	302	318										
400	307	0	26	183	462	311	0	5	297	325	309	0	17	269	374
	313	0	3	305	322										
500	301	0	25	128	388	307	0	6	290	324	304	0	15	266	376
	308	0	3	299	317										
600	299	0	24	211	409	303	0	5	283	323	302	0	15	224	367
	308	0	3	299	317										
700	317	0	24	76	412	313	0	5	296	334	312	0	18	270	384
	317	0	3	308	326										
800	333	0	24	245	417	322	0	8	291	342	322	0	20	260	397
	328	0	4	319	340										
900	335	0	20	267	395	329	0	7	308	363	328	0	28	158	459
	335	0	3	326	347										
1000	350	0	12	297	386	339	0	6	315	361	327	0	26	105	444
	341	0	4	328	349										
1100	344	0	14	219	399	337	0	4	321	349	329	0	29	188	416
	339	0	4	328	351										
1200	339	0	19	262	397	335	0	7	314	363	346	0	36	48	473
	343	0	5	330	354										
1300	356	0	14	265	413	347	0	8	311	383	331	0	28	236	428
	353	0	4	340	363										
1400	336	0	20	220	397	336	0	8	316	369	334	0	31	148	485
	346	0	5	330	360										
1500	353	0	20	291	452	336	0	11	301	387	309	0	22	256	376
	336	0	5	325	349										
1600	339	0	23	263	459	340	0	8	317	366	0	0	38	34	422
	344	0	7	323	364										
1700	338	0	28	132	401	341	0	13	307	379	357	0	29	245	415
	325	0	15	293	357										
1800	1	0	17	319	417	345	0	9	299	368	308	0	23	218	392
	323	0	9	300	346										
1900	350	0	31	167	417	333	0	16	231	367	337	0	34	217	422
	354	0	7	334	369										
2000	340	0	26	264	394	345	0	8	320	370	328	0	27	204	406
	349	0	8	319	370										
2100	13	0	9	348	400	31	0	5	377	405	19	0	21	272	418
	42	0	25	350	470										
2200	56	0	6	401	430	54	0	3	407	420	58	0	11	389	459
	106	0	7	434	481										
2300	122	0	25	448	526	67	0	2	421	434	112	0	11	448	493
	115	0	3	464	485										
2400	86	0	14	45	128	64	0	4	409	435	95	0	9	430	487
	113	0	3	464	482										

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METEOROLOGICAL DATA--CK--FOR MAY 27, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	526	0	340	0	538	0	543	0	34	0	-7	0	14	0	14	0	14	0	0	0
200	523	0	341	0	533	0	538	0	30	0	-7	0	14	0	14	0	14	0	0	0
300	522	0	341	0	534	0	539	0	32	0	-5	0	14	0	14	0	14	0	0	0
400	514	0	336	0	527	0	532	0	28	0	-6	0	14	0	14	0	14	0	0	0
500	510	0	338	0	523	0	528	0	27	0	-5	0	14	0	14	0	14	0	0	0
600	505	0	341	0	517	0	523	0	25	0	-7	0	14	0	14	0	14	0	0	0
700	505	0	341	0	509	0	515	0	21	0	-10	0	14	0	14	0	14	0	0	0
800	514	0	348	0	508	0	512	0	28	0	-18	0	14	0	14	0	14	0	0	0
900	516	0	352	0	507	0	515	0	24	0	-22	0	14	0	14	0	14	0	0	0
1000	518	0	350	0	503	0	513	0	22	0	-24	0	14	0	14	0	14	0	0	0
1100	518	0	348	0	499	0	511	0	20	0	-29	0	14	0	14	0	14	0	0	0
1200	522	0	348	0	497	0	511	0	24	0	-30	0	14	0	14	0	14	0	0	0
1300	523	0	348	0	497	0	514	0	18	0	-26	0	14	0	14	0	14	0	0	0
1400	532	0	340	0	499	0	517	0	17	0	-29	0	14	0	14	0	14	0	0	0
1500	544	0	330	0	501	0	517	0	23	0	-25	0	14	0	14	0	14	0	0	0
1600	558	0	298	0	515	0	531	0	35	0	-28	0	14	0	14	0	14	0	0	0
1700	572	0	276	0	533	0	547	0	40	0	-26	0	14	0	14	0	14	0	0	0
1800	568	0	293	0	537	0	549	0	44	0	-19	0	14	0	14	0	14	0	0	0
1900	572	0	309	0	546	0	558	0	46	0	-20	0	14	0	14	0	14	0	0	0
2000	561	0	307	0	549	0	559	0	46	0	-13	0	14	0	14	0	14	0	0	0
2100	546	0	305	0	550	0	557	0	32	0	-4	0	14	0	14	0	14	0	0	0
2200	516	0	298	0	523	0	511	0	7	0	21	0	14	0	14	0	14	0	0	0
2300	495	0	286	0	496	0	485	0	-5	0	34	0	14	0	14	0	14	0	0	0
2400	481	0	284	0	488	0	460	0	-13	0	51	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 28, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	29	0	0	22	35	133	0	0	126	139	32	0	0	24	44
	73	0	0	57	88										
200	23	0	0	16	32	107	0	0	103	113	19	0	0	8	30
	52	0	0	34	66										
300	24	0	0	15	36	88	0	0	76	99	20	0	0	6	37
	50	0	0	35	70										
400	30	0	0	16	43	116	0	0	93	128	23	0	0	12	48
	79	0	0	56	105										
500	24	0	0	15	40	142	0	0	130	160	26	0	0	15	40
	68	0	0	45	94										
600	31	0	0	21	41	142	0	0	135	151	32	0	0	13	55
	64	0	0	46	89										
700	31	0	0	22	42	163	0	0	149	174	27	0	0	9	45
	66	0	0	46	91										
800	38	0	0	23	61	162	0	0	118	180	48	0	0	24	75
	68	0	0	44	98										
900	52	0	0	31	82	76	0	0	45	105	53	0	0	27	101
	55	0	0	26	106										
1000	74	0	0	35	121	125	0	0	63	178	84	0	0	34	138
	61	0	0	18	141										
1100	82	0	0	34	150	131	0	0	77	170	75	0	0	20	145
	70	0	0	23	144										
1200	82	0	0	32	195	126	0	0	42	216	84	0	0	42	136
	77	0	0	13	141										
1300	95	0	0	31	156	146	0	0	99	203	90	0	0	35	150
	63	0	0	19	137										
1400	89	0	0	35	182	132	0	0	51	201	74	0	0	19	147
	65	0	0	21	127										
1500	93	0	0	35	150	136	0	0	62	203	81	0	0	16	144
	61	0	0	27	111										
1600	88	0	0	46	143	130	0	0	90	176	69	0	0	11	141
	60	0	0	28	117										
1700	72	0	0	36	133	111	0	0	66	154	61	0	0	21	119
	32	0	0	6	69										
1800	61	0	0	24	103	102	0	0	49	136	58	0	0	18	118
	60	0	0	32	109										
1900	60	0	0	20	106	103	0	0	39	154	73	0	0	30	143
	61	0	0	30	103										
2000	77	0	0	29	125	157	0	0	90	206	63	0	0	32	113
	54	0	0	23	82										
2100	28	0	0	17	44	94	0	0	77	119	25	0	0	12	58
	42	0	0	27	67										
2200	35	0	0	22	52	134	0	0	109	151	32	0	0	17	55
	47	0	0	27	71										
2300	31	0	0	17	45	140	0	0	112	161	52	0	0	25	66
	45	0	0	27	64										
2400	12	0	0	6	29	96	0	0	89	107	13	0	0	4	23
	56	0	0	36	92										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 28, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	77	0	10	62	99	56	0	1	414	420	87	0	5	428	468
	115	0	2	468	482										
200	145	0	7	122	161	79	0	3	433	449	147	0	8	481	529
	110	0	4	455	486										
300	158	0	10	135	190	104	0	3	460	470	152	0	14	124	211
	111	0	5	456	487										
400	160	0	6	141	188	130	0	1	484	492	162	0	8	128	183
	124	0	6	466	500										
500	166	0	8	146	186	137	0	1	493	499	159	0	7	129	174
	119	0	4	465	492										
600	172	0	8	152	193	151	0	0	508	513	173	0	8	142	197
	122	0	6	468	511										
700	158	0	8	130	180	156	0	0	514	517	169	0	9	144	200
	125	0	5	109	145										
800	139	0	9	109	184	144	0	1	498	511	137	0	6	112	155
	125	0	8	107	148										
900	165	0	13	107	201	149	0	6	127	164	139	0	12	112	176
	132	0	13	97	178										
1000	156	0	18	103	195	152	0	8	129	171	141	0	13	110	198
	138	0	22	74	514										
1100	168	0	14	120	209	164	0	9	130	184	156	0	18	102	516
	137	0	23	87	428										
1200	158	0	18	113	199	153	0	8	130	184	144	0	13	106	189
	140	0	27	88	344										
1300	165	0	15	119	204	161	0	8	137	187	151	0	17	105	214
	166	0	38	99	508										
1400	169	0	19	121	229	164	0	11	129	195	162	0	19	122	224
	155	0	34	109	514										
1500	171	0	15	121	214	169	0	8	134	202	150	0	19	101	193
	144	0	30	91	297										
1600	184	0	13	135	219	181	0	9	155	204	178	0	20	87	259
	166	0	41	71	505										
1700	175	0	13	121	209	170	0	7	145	199	154	0	18	117	237
	334	0	75	41	502										
1800	162	0	14	110	196	162	0	11	133	184	162	0	17	127	219
	134	0	13	109	207										
1900	150	0	14	99	204	146	0	5	126	158	137	0	8	104	178
	137	0	16	100	237										
2000	161	0	12	114	193	157	0	5	141	173	151	0	13	119	203
	137	0	16	109	215										
2100	158	0	12	126	200	160	0	2	153	166	150	0	11	103	189
	132	0	11	91	182										
2200	159	0	11	121	215	160	0	2	154	166	149	0	11	121	188
	136	0	9	106	167										
2300	122	0	7	89	146	144	0	1	141	148	125	0	6	98	142
	115	0	6	93	130										
2400	235	0	57	49	453	154	0	4	148	162	195	0	41	67	236
	128	0	7	110	163										

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METEOROLOGICAL DATA--CK--FOR MAY 28, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAIN	C
100	470	0	286	0	488	0	473	0	-14	0	88	0	14	0	14	0	14	0	0	0
200	466	0	271	0	482	0	464	0	-19	0	86	0	14	0	14	0	14	0	0	0
300	463	0	268	0	479	0	462	0	-22	0	82	0	14	0	14	0	14	0	0	0
400	446	0	269	0	477	0	469	0	-22	0	92	0	14	0	14	0	14	0	0	0
500	430	0	270	0	465	0	456	0	-27	0	129	0	14	0	14	0	14	0	0	0
600	449	0	261	0	483	0	470	0	-21	0	95	0	14	0	14	0	14	0	0	0
700	452	0	263	0	483	0	477	0	-22	0	94	0	14	0	14	0	14	0	0	0
800	507	0	301	0	517	0	513	0	9	0	37	0	14	0	14	0	14	0	0	0
900	584	0	314	0	584	0	586	0	45	0	-16	0	14	0	14	0	14	0	0	0
1000	614	0	300	0	616	0	617	0	68	0	-24	0	14	0	14	0	14	0	0	0
1100	631	0	309	0	631	0	640	0	84	0	-27	0	14	0	14	0	14	0	0	0
1200	642	0	316	0	645	0	654	0	97	0	-24	0	14	0	14	0	14	0	0	0
1300	662	0	338	0	670	0	684	0	111	0	-28	0	14	0	14	0	14	0	0	0
1400	682	0	360	0	681	0	697	0	122	0	-30	0	14	0	14	0	14	0	0	0
1500	687	0	363	0	688	0	704	0	132	0	-27	0	14	0	14	0	14	0	0	0
1600	689	0	365	0	697	0	710	0	140	0	-22	0	14	0	14	0	14	0	0	0
1700	684	0	371	0	652	0	653	0	116	0	-17	0	14	0	14	0	14	0	0	0
1800	680	0	376	0	687	0	692	0	126	0	-13	0	14	0	14	0	14	0	0	0
1900	679	0	383	0	685	0	692	0	129	0	-15	0	14	0	14	0	14	0	0	0
2000	672	0	377	0	684	0	689	0	135	0	-11	0	14	0	14	0	14	0	0	0
2100	645	0	375	0	664	0	666	0	108	0	4	0	14	0	14	0	14	0	0	0
2200	615	0	368	0	636	0	635	0	85	0	21	0	14	0	14	0	14	0	0	0
2300	592	0	368	0	608	0	603	0	69	0	27	0	14	0	14	0	14	0	0	0
2400	575	0	363	0	590	0	579	0	59	0	36	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR MAY 29, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	28	0	0	22	43	126	0	0	122	131	31	0	0	19	49
	66	0	0	47	94										
200	30	0	0	23	42	126	0	0	117	133	23	0	0	11	38
	60	0	0	42	94										
300	24	0	0	18	32	119	0	0	114	127	14	0	0	5	25
	58	0	0	36	82										
400	28	0	0	18	39	126	0	0	116	140	21	0	0	13	35
	61	0	0	46	80										
500	30	0	0	21	43	110	0	0	105	120	37	0	0	26	50
	55	0	0	35	76										
600	24	0	0	17	34	116	0	0	94	141	34	0	0	16	43
	58	0	0	40	87										
700	40	0	0	26	61	134	0	0	112	149	37	0	0	16	68
	75	0	0	51	105										
800	37	0	0	18	73	108	0	0	82	140	36	0	0	16	64
	92	0	0	54	136										
900	43	0	0	13	79	94	0	0	61	129	43	0	0	6	85
	46	0	0	14	89										
1000	71	0	0	37	122	112	0	0	78	150	59	0	0	28	109
	63	0	0	25	116										
1100	53	0	0	20	106	103	0	0	27	173	45	0	0	20	103
	57	0	0	24	116										
1200	35	0	0	12	53	82	0	0	55	105	33	0	0	13	61
	55	0	0	28	90										
1300	90	0	0	50	161	164	0	0	97	235	75	0	0	29	147
	59	0	0	31	103										
1400	105	0	0	36	180	183	0	0	121	263	78	0	0	33	179
	70	0	0	36	114										
1500	115	0	0	42	216	189	0	0	107	288	95	0	0	32	169
	64	0	0	36	133										
1600	120	0	0	51	186	208	0	0	133	277	94	0	0	23	180
	92	0	0	46	171										
1700	115	0	0	53	210	185	0	0	135	232	98	0	0	31	197
	80	0	0	27	155										
1800	127	0	0	54	210	211	0	0	132	281	99	0	0	29	198
	80	0	0	33	130										
1900	123	0	0	53	213	194	0	0	125	280	82	0	0	26	164
	66	0	0	35	132										
2000	68	0	0	28	121	148	0	0	105	206	68	0	0	20	140
	69	0	0	31	119										
2100	65	0	0	28	107	159	0	0	100	194	69	0	0	43	120
	102	0	0	64	158										
2200	72	0	0	26	159	171	0	0	105	232	68	0	0	29	140
	113	0	0	73	175										
2300	85	0	0	43	146	188	0	0	133	242	67	0	0	29	127
	141	0	0	82	221										
2400	105	0	0	53	194	185	0	0	106	270	83	0	0	24	207
	85	0	0	40	162										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 29, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	155	0	4	139	174	165	0	0	163	167	142	0	7	120	169
	126	0	6	106	147										
200	157	0	8	134	174	173	0	1	169	176	148	0	11	107	189
	125	0	7	104	157										
300	165	0	6	147	193	170	0	0	168	172	146	0	11	112	174
	128	0	7	112	165										
400	161	0	9	131	186	171	0	1	165	175	150	0	8	124	173
	130	0	7	112	181										
500	95	0	11	78	123	151	0	1	148	154	111	0	9	92	137
	114	0	5	98	126										
600	109	0	13	87	148	141	0	3	135	148	124	0	10	95	145
	111	0	5	90	125										
700	171	0	16	114	207	162	0	2	156	168	152	0	16	109	209
	125	0	6	105	144										
800	155	0	17	78	186	169	0	5	156	186	153	0	16	99	218
	136	0	7	113	168										
900	160	0	24	66	253	156	0	9	137	186	154	0	19	107	214
	136	0	15	96	243										
1000	175	0	12	126	209	171	0	7	149	190	169	0	15	119	217
	135	0	13	103	195										
1100	168	0	17	92	206	168	0	10	125	203	155	0	21	95	204
	132	0	14	103	222										
1200	177	0	19	115	223	163	0	8	138	191	167	0	18	125	205
	128	0	10	99	156										
1300	185	0	11	146	221	184	0	4	168	196	184	0	13	143	229
	152	0	28	107	500										
1400	174	0	12	134	225	172	0	5	151	189	173	0	17	118	222
	137	0	23	41	505										
1500	178	0	10	140	213	175	0	6	157	193	178	0	14	133	236
	152	0	31	101	432										
1600	171	0	11	125	222	169	0	6	150	187	169	0	15	121	218
	136	0	18	109	511										
1700	171	0	10	132	208	173	0	7	145	201	179	0	17	125	235
	140	0	24	110	494										
1800	177	0	9	133	202	171	0	4	155	181	175	0	14	138	250
	144	0	28	96	492										
1900	182	0	7	152	203	179	0	5	162	207	184	0	14	105	235
	157	0	29	96	245										
2000	162	0	12	121	193	164	0	6	148	180	160	0	15	116	200
	137	0	16	106	270										
2100	146	0	11	108	188	149	0	3	138	160	142	0	8	116	170
	128	0	7	109	160										
2200	165	0	12	99	199	161	0	4	150	175	156	0	12	112	186
	136	0	9	114	171										
2300	170	0	9	141	200	170	0	3	161	183	167	0	14	122	231
	137	0	8	111	179										
2400	193	0	10	158	216	191	0	6	176	211	196	0	15	146	239
	170	0	23	97	249										

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METEOROLOGICAL DATA--CK--FOR MAY 29, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	566	0	365	0	586	0	583	0	58	0	41	0	14	0	14	0	14	0	0	0
200	556	0	366	0	573	0	571	0	51	0	47	0	14	0	14	0	14	0	0	0
300	539	0	365	0	559	0	554	0	45	0	46	0	14	0	14	0	14	0	0	0
400	530	0	366	0	546	0	539	0	41	0	50	0	14	0	14	0	14	0	0	0
500	505	0	361	0	528	0	524	0	34	0	66	0	14	0	14	0	14	0	0	0
600	511	0	366	0	534	0	531	0	39	0	50	0	14	0	14	0	14	0	0	0
700	529	0	381	0	544	0	544	0	46	0	25	0	14	0	14	0	14	0	0	0
800	552	0	402	0	566	0	568	0	61	0	0	0	14	0	14	0	14	0	0	0
900	579	0	420	0	583	0	586	0	73	0	-10	0	14	0	14	0	14	0	0	0
1000	573	0	428	0	577	0	579	0	77	0	-14	0	14	0	14	0	14	0	0	0
1100	573	0	445	0	577	0	575	0	87	0	-15	0	14	0	14	0	14	0	0	0
1200	563	0	452	0	560	0	548	0	84	0	-24	0	14	0	14	0	14	0	16	0
1300	579	0	473	0	585	0	575	0	104	0	-28	0	14	0	14	0	14	0	9	0
1400	624	0	513	0	625	0	625	0	133	0	-25	0	14	0	14	0	14	0	1	0
1500	670	0	529	0	674	0	682	0	156	0	-17	0	14	0	14	0	14	0	0	0
1600	676	0	530	0	680	0	687	0	159	0	-23	0	14	0	14	0	14	0	0	0
1700	735	0	559	0	740	0	748	0	194	0	-21	0	14	0	14	0	14	0	0	0
1800	741	0	554	0	750	0	757	0	200	0	-20	0	14	0	14	0	14	0	0	0
1900	726	0	546	0	734	0	740	0	188	0	-14	0	14	0	14	0	14	0	0	0
2000	711	0	545	0	717	0	720	0	175	0	-8	0	14	0	14	0	14	0	0	0
2100	693	0	546	0	698	0	699	0	169	0	-6	0	14	0	14	0	14	0	0	0
2200	688	0	548	0	695	0	695	0	169	0	-5	0	14	0	14	0	14	0	0	0
2300	695	0	559	0	708	0	708	0	180	0	-3	0	14	0	14	0	14	0	0	0
2400	723	0	583	0	741	0	740	0	200	0	-5	0	14	0	14	0	14	0	0	0

DATA CODES

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4=CALM SPEED
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METEOROLOGICAL DATA--CK--FOR MAY 30, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	107	0	0	53	189	172	0	0	88	277	74	0	0	18	196
	77	0	0	30	130										
200	111	0	0	48	190	189	0	0	114	267	86	0	0	26	184
	101	0	0	57	129										
300	66	0	0	22	119	131	0	0	75	200	41	0	0	12	86
	62	0	0	12	129										
400	34	0	0	15	58	74	0	0	59	102	34	0	0	13	62
	68	0	0	41	96										
500	26	0	0	11	53	106	0	0	80	128	43	0	0	13	74
	67	0	0	39	104										
600	54	0	0	32	91	158	0	0	132	177	43	0	0	13	84
	58	0	0	30	97										
700	38	0	0	21	58	133	0	0	116	144	35	0	0	12	70
	79	0	0	53	110										
800	35	0	0	20	59	105	0	0	76	128	32	0	0	15	63
	67	0	0	41	102										
900	62	0	0	20	102	93	0	0	49	137	52	0	0	18	104
	55	0	0	28	94										
1000	113	0	0	47	201	161	0	0	80	247	85	0	0	26	169
	76	0	0	34	118										
1100	97	0	0	55	164	163	0	0	105	218	81	0	0	29	168
	78	0	0	28	121										
1200	81	0	0	41	142	130	0	0	40	189	73	0	0	22	144
	72	0	0	32	126										
1300	84	0	0	38	142	110	0	0	50	173	65	0	0	8	123
	73	0	0	36	122										
1400	113	0	0	61	164	160	0	0	95	230	90	0	0	23	166
	64	0	0	29	123										
1500	81	0	0	32	154	136	0	0	93	190	64	0	0	14	156
	80	0	0	32	158										
1600	64	0	0	31	113	128	0	0	96	163	64	0	0	29	139
	82	0	0	33	130										
1700	44	0	0	23	72	91	0	0	53	138	62	0	0	30	107
	82	0	0	51	130										
1800	70	0	0	32	113	101	0	0	56	140	48	0	0	16	90
	51	0	0	24	100										
1900	41	0	0	16	97	74	0	0	50	130	48	0	0	12	108
	50	0	0	17	97										
2000	65	0	0	39	99	103	0	0	63	130	46	0	0	7	89
	64	0	0	39	98										
2100	130	0	0	42	208	187	0	0	91	267	79	0	0	22	182
	82	0	0	24	181										
2200	85	0	0	44	158	174	0	0	126	238	130	0	0	52	202
	125	0	0	71	179										
2300	56	0	0	28	97	113	0	0	48	160	82	0	0	47	111
	131	0	0	84	172										
2400	48	0	0	21	91	94	0	0	56	150	63	0	0	20	116
	130	0	0	82	176										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR MAY 30, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	201	0	10	176	228	205	0	7	182	228	205	0	14	156	387
	187	0	18	105	233										
200	222	0	12	192	261	224	0	6	207	256	234	0	14	174	308
	211	0	5	168	222										
300	5	0	11	327	395	5	0	7	347	383	5	0	25	263	450
	16	0	26	346	490										
400	162	0	15	121	199	101	0	7	446	480	150	0	17	115	189
	114	0	5	446	492										
500	155	0	34	84	294	151	0	15	134	531	156	0	23	124	227
	117	0	9	446	506										
600	183	0	6	167	201	185	0	2	176	190	172	0	11	123	200
	142	0	18	104	255										
700	172	0	8	146	205	170	0	1	165	173	171	0	12	124	201
	133	0	7	117	166										
800	162	0	14	105	214	166	0	3	157	177	148	0	13	112	204
	133	0	9	81	169										
900	181	0	11	142	215	179	0	8	157	205	179	0	13	128	225
	151	0	29	88	299										
1000	213	0	12	181	242	217	0	10	180	252	225	0	17	162	308
	189	0	19	131	294										
1100	219	0	11	192	260	220	0	7	185	240	229	0	13	189	286
	200	0	14	125	267										
1200	229	0	14	188	273	226	0	8	203	252	245	0	14	184	296
	204	0	10	163	236										
1300	214	0	17	167	258	217	0	12	167	250	231	0	19	182	298
	203	0	14	106	282										
1400	191	0	14	153	224	191	0	10	169	220	193	0	17	123	258
	179	0	25	109	464										
1500	173	0	12	127	204	171	0	7	148	188	163	0	15	110	208
	136	0	17	79	232										
1600	158	0	14	101	196	158	0	7	139	173	150	0	15	115	197
	134	0	13	110	209										
1700	134	0	13	99	218	137	0	4	123	150	132	0	9	99	158
	123	0	7	103	146										
1800	183	0	12	140	226	174	0	10	151	220	178	0	22	115	262
	158	0	33	102	494										
1900	305	0	39	215	383	303	0	28	261	361	298	0	25	253	381
	337	0	58	187	483										
2000	61	0	8	393	454	61	0	5	409	441	79	0	17	42	481
	106	0	11	435	497										
2100	40	0	16	358	464	39	0	12	370	427	34	0	21	181	454
	22	0	22	61	469										
2200	111	0	10	73	142	108	0	4	448	479	113	0	8	444	501
	115	0	5	96	131										
2300	113	0	12	74	149	118	0	7	458	504	120	0	10	95	152
	112	0	3	102	124										
2400	135	0	13	99	197	139	0	6	482	519	140	0	10	119	191
	119	0	5	102	134										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR MAY 30, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	740	0	588	0	732	0	733	0	194	0	-3	0	14	0	14	0	14	0	0	0
200	760	0	588	0	671	0	671	0	156	0	-6	0	14	0	14	0	14	0	0	0
300	642	0	519	0	617	0	613	0	125	0	-8	0	14	0	14	0	14	0	0	0
400	650	0	525	0	657	0	657	0	148	0	35	0	14	0	14	0	14	0	0	0
500	657	0	529	0	681	0	678	0	159	0	53	0	14	0	14	0	14	0	0	0
600	664	0	541	0	690	0	685	0	169	0	46	0	14	0	14	0	14	0	0	0
700	679	0	553	0	685	0	683	0	169	0	18	0	14	0	14	0	14	0	0	0
800	697	0	566	0	701	0	700	0	180	0	-8	0	14	0	14	0	14	0	0	0
900	735	0	593	0	738	0	740	0	203	0	-16	0	14	0	14	0	14	0	0	0
1000	771	0	604	0	740	0	740	0	201	0	-17	0	14	0	14	0	14	0	0	0
1100	755	0	590	0	709	0	714	0	180	0	-11	0	14	0	14	0	14	0	0	0
1200	773	0	592	0	715	0	720	0	184	0	-12	0	14	0	14	0	14	0	0	0
1300	800	0	598	0	753	0	758	0	206	0	-17	0	14	0	14	0	14	0	0	0
1400	781	0	600	0	781	0	785	0	220	0	-12	0	14	0	14	0	14	0	1	0
1500	763	0	599	0	766	0	770	0	219	0	-16	0	14	0	14	0	14	0	0	0
1600	758	0	606	0	760	0	762	0	216	0	-11	0	14	0	14	0	14	0	0	0
1700	762	0	618	0	762	0	765	0	222	0	-10	0	14	0	14	0	14	0	0	0
1800	824	0	649	0	831	0	836	0	261	0	-16	0	14	0	14	0	14	0	0	0
1900	759	0	580	0	709	0	708	0	179	0	-8	0	14	0	14	0	14	0	0	0
2000	721	0	589	0	735	0	738	0	201	0	-7	0	14	0	14	0	14	0	0	0
2100	685	0	544	0	681	0	680	0	163	0	-9	0	14	0	14	0	14	0	10	0
2200	658	0	540	0	653	0	652	0	158	0	-15	0	14	0	14	0	14	0	31	0
2300	663	0	543	0	657	0	657	0	160	0	-12	0	14	0	14	0	14	0	0	0
2400	670	0	542	0	669	0	669	0	162	0	-10	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR MAY 31, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	47	0	0	15	116	133	0	0	76	172	51	0	0	25	84
	122	0	0	89	166										
200	45	0	0	19	79	120	0	0	84	151	44	0	0	19	78
	107	0	0	66	142										
300	52	0	0	30	75	143	0	0	104	185	41	0	0	10	81
	94	0	0	39	142										
400	76	0	0	47	133	158	0	0	114	218	59	0	0	20	100
	84	0	0	38	149										
500	115	0	0	61	208	184	0	0	109	293	88	0	0	25	170
	88	0	0	39	149										
600	99	0	0	43	156	164	0	0	97	235	80	0	0	34	154
	81	0	0	43	133										
700	95	0	0	52	162	154	0	0	95	226	78	0	0	20	138
	76	0	0	46	121										
800	92	0	0	43	152	165	0	0	100	226	78	0	0	23	149
	87	0	0	48	137										
900	100	0	0	57	167	174	0	0	93	262	89	0	0	20	159
	97	0	0	57	126										
1000	121	0	0	68	205	228	0	0	140	301	114	0	0	20	193
	92	0	0	37	143										
1100	115	0	0	64	204	212	0	0	115	291	114	0	0	40	199
	105	0	0	56	139										
1200	107	0	0	45	177	181	0	0	77	250	101	0	0	45	190
	113	0	0	83	138										
1300	97	0	0	36	152	158	0	0	78	225	79	0	0	15	145
	105	0	0	73	146										
1400	78	0	0	39	131	123	0	0	75	176	78	0	0	26	140
	81	0	0	51	109										
1500	85	0	0	33	158	129	0	0	65	202	84	0	0	32	161
	70	0	0	44	100										
1600	54	0	0	28	97	127	0	0	86	185	44	0	0	11	84
	64	0	0	23	111										
1700	76	0	0	39	138	151	0	0	87	212	66	0	0	24	123
	69	0	0	39	96										
1800	115	0	0	55	192	210	0	0	113	335	76	0	0	18	175
	193	0	0	153	257										
1900	20	0	0	12	32	30	0	0	19	57	16	0	0	4	33
	45	0	0	30	61										
2000	49	0	0	16	128	83	0	0	18	179	63	0	0	18	135
	91	0	0	44	145										
2100	48	0	0	28	71	120	0	0	102	137	46	0	0	21	83
	80	0	0	54	111										
2200	59	0	0	34	93	121	0	0	78	160	39	0	0	14	79
	92	0	0	52	151										
2300	64	0	0	31	115	134	0	0	84	188	45	0	0	12	113
	103	0	0	45	148										
2400	34	0	0	20	58	52	0	0	28	73	19	0	0	4	59
	26	0	0	10	49										

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METEOROLOGICAL DATA--CK--FOR MAY 31, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	150	0	16	91	216	149	0	3	495	521	146	0	10	113	181
	118	0	4	105	137										
200	165	0	20	106	238	160	0	6	139	178	156	0	21	96	244
	122	0	6	103	136										
300	174	0	12	141	207	170	0	4	159	183	171	0	19	112	222
	137	0	9	117	207										
400	189	0	8	166	214	194	0	5	182	215	189	0	13	153	240
	176	0	23	117	396										
500	211	0	9	180	242	215	0	7	191	243	223	0	14	174	286
	189	0	17	132	238										
600	209	0	10	175	245	213	0	7	193	236	219	0	15	175	269
	188	0	18	110	245										
700	212	0	10	175	234	214	0	6	192	241	219	0	15	165	284
	193	0	16	114	235										
800	216	0	11	185	260	218	0	6	200	239	226	0	15	170	363
	198	0	13	132	237										
900	221	0	11	183	258	225	0	6	206	246	235	0	14	183	350
	207	0	6	178	226										
1000	224	0	11	193	259	227	0	6	200	253	240	0	11	192	306
	200	0	11	153	232										
1100	228	0	12	187	263	232	0	6	216	250	245	0	11	196	296
	207	0	5	182	223										
1200	238	0	13	193	274	237	0	6	216	270	250	0	12	219	284
	208	0	3	185	220										
1300	235	0	16	177	284	238	0	7	206	260	255	0	17	153	297
	212	0	5	196	234										
1400	245	0	15	198	301	245	0	10	206	275	261	0	14	210	297
	213	0	5	191	225										
1500	254	0	17	200	295	255	0	9	222	279	267	0	12	231	305
	215	0	8	189	248										
1600	213	0	10	186	257	213	0	4	199	229	219	0	20	156	323
	202	0	23	50	466										
1700	222	0	11	190	257	223	0	5	205	241	233	0	12	198	280
	207	0	7	154	230										
1800	355	0	15	298	393	344	0	8	328	371	351	0	27	240	469
	353	0	8	337	364										
1900	153	0	29	84	208	43	0	16	370	438	122	0	29	78	171
	113	0	7	453	497										
2000	136	0	28	70	261	130	0	16	77	172	132	0	29	116	523
	126	0	9	99	157										
2100	165	0	10	134	200	155	0	4	143	165	159	0	10	128	189
	136	0	6	116	157										
2200	187	0	9	156	217	181	0	4	170	194	181	0	15	134	247
	134	0	8	114	173										
2300	350	0	15	281	392	353	0	4	337	367	344	0	33	181	432
	13	0	5	356	404										
2400	33	0	13	348	426	30	0	9	360	413	31	0	21	334	476
	92	0	33	21	496										

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METEOROLOGICAL DATA--CK--FOR MAY 31, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	676	0	544	0	676	0	676	0	165	0	-6	0	14	0	14	0	14	0	0	0
200	683	0	549	0	684	0	683	0	169	0	-3	0	14	0	14	0	14	0	0	0
300	694	0	561	0	704	0	702	0	181	0	6	0	14	0	14	0	14	0	0	0
400	709	0	578	0	746	0	744	0	206	0	2	0	14	0	14	0	14	0	0	0
500	754	0	601	0	716	0	716	0	188	0	-5	0	14	0	14	0	14	0	0	0
600	755	0	597	0	719	0	720	0	189	0	-7	0	14	0	14	0	14	0	0	0
700	751	0	596	0	715	0	715	0	187	0	-8	0	14	0	14	0	14	0	0	0
800	750	0	593	0	699	0	700	0	177	0	-8	0	14	0	14	0	14	0	0	0
900	759	0	600	0	685	0	687	0	170	0	-12	0	14	0	14	0	14	0	0	0
1000	755	0	597	0	684	0	688	0	168	0	-11	0	14	0	14	0	14	0	0	0
1100	770	0	606	0	690	0	694	0	172	0	-16	0	14	0	14	0	14	0	1	0
1200	785	0	615	0	703	0	711	0	184	0	-19	0	14	0	14	0	14	0	0	0
1300	794	0	613	0	719	0	730	0	191	0	-20	0	14	0	14	0	14	0	0	0
1400	786	0	612	0	717	0	729	0	191	0	-18	0	14	0	14	0	14	0	0	0
1500	804	0	625	0	719	0	730	0	194	0	-21	0	14	0	14	0	14	0	0	0
1600	711	0	577	0	691	0	691	0	177	0	4	0	13	0	14	0	14	0	1	0
1700	746	0	599	0	689	0	691	0	171	0	-4	0	13	0	14	0	14	0	0	0
1800	617	0	512	0	583	0	581	0	119	0	-26	0	13	0	14	0	14	0	14	0
1900	640	0	528	0	635	0	629	0	151	0	-6	0	14	0	14	0	14	0	3	0
2000	651	0	541	0	633	0	622	0	154	0	-24	0	14	0	14	0	14	0	23	0
2100	662	0	551	0	649	0	642	0	163	0	-21	0	14	0	14	0	14	0	1	0
2200	663	0	552	0	661	0	650	0	165	0	-18	0	14	0	14	0	14	0	0	0
2300	619	0	512	0	576	0	573	0	107	0	-23	0	14	0	14	0	14	0	0	0
2400	626	0	521	0	605	0	597	0	132	0	-26	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 1, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	39	0	0	17	72	58	0	0	37	76	35	0	0	12	61
	45	0	0	20	70										
200	33	0	0	8	52	98	0	0	63	124	35	0	0	4	61
	39	0	0	21	74										
300	28	0	0	6	49	42	0	0	10	72	13	0	0	4	37
	44	0	0	11	64										
400	61	0	0	26	97	120	0	0	66	173	40	0	0	10	86
	43	0	0	22	90										
500	44	0	0	20	66	100	0	0	67	146	51	0	0	17	82
	68	0	0	44	111										
600	30	0	0	16	54	103	0	0	65	131	42	0	0	21	95
	70	0	0	38	115										
700	24	0	0	10	40	87	0	0	55	122	31	0	0	4	68
	76	0	0	43	105										
800	79	0	0	39	234	149	0	0	78	289	88	0	0	29	170
	110	0	0	55	226										
900	48	0	0	29	107	87	0	0	55	137	42	0	0	4	91
	54	0	0	23	96										
1000	76	0	0	47	113	135	0	0	76	166	62	0	0	18	118
	56	0	0	30	107										
1100	51	0	0	26	88	100	0	0	69	151	43	0	0	11	97
	45	0	0	19	81										
1200	75	0	0	24	152	175	0	0	126	221	68	0	0	27	122
	93	0	0	53	172										
1300	37	0	0	13	70	50	0	0	25	78	39	0	0	17	70
	21	0	0	5	52										
1400	65	0	0	27	113	86	0	0	37	154	56	0	0	18	109
	46	0	0	32	60										
1500	38	0	0	21	67	44	0	0	14	82	41	0	0	20	68
	26	0	0	17	39										
1600	39	0	0	12	87	93	0	0	39	151	37	0	0	5	76
	34	0	0	8	60										
1700	39	0	0	20	65	75	0	0	49	121	33	0	0	8	58
	64	0	0	18	105										
1800	36	0	0	22	54	53	0	0	29	75	38	0	0	20	62
	20	0	0	7	30										
1900	30	0	0	9	54	55	0	0	28	79	30	0	0	10	55
	23	0	0	14	34										
2000	21	0	0	11	45	49	0	0	29	83	16	0	0	5	37
	58	0	0	28	78										
2100	26	0	0	8	50	54	0	0	27	76	19	0	0	4	47
	36	0	0	20	62										
2200	13	0	0	6	19	16	0	0	2	28	8	0	0	4	16
	20	0	0	11	28										
2300	16	0	0	10	25	49	0	0	33	61	11	0	0	4	33
	41	0	0	26	55										
2400	26	0	0	14	44	49	0	0	30	69	19	0	0	4	39
	34	0	0	8	62										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 1, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	87	0	16	65	470	78	0	9	416	466	101	0	13	421	500
	117	0	10	68	148										
200	139	0	16	48	196	147	0	5	499	517	139	0	15	104	525
	130	0	12	98	165										
300	327	0	44	270	517	320	0	37	273	449	341	0	42	276	526
	1	0	11	333	450										
400	189	0	8	161	224	193	0	4	181	207	197	0	16	126	285
	161	0	30	108	514										
500	117	0	30	57	208	137	0	17	104	164	117	0	17	67	170
	109	0	11	80	171										
600	143	0	21	78	217	150	0	4	134	161	139	0	11	98	167
	121	0	7	92	147										
700	161	0	36	80	508	146	0	5	133	162	148	0	27	51	236
	120	0	6	102	137										
800	256	0	12	217	290	258	0	10	235	284	275	0	12	207	320
	258	0	15	213	277										
900	198	0	28	120	267	211	0	23	153	242	206	0	37	131	280
	162	0	33	69	481										
1000	197	0	10	167	234	190	0	8	168	207	203	0	17	144	269
	163	0	31	94	259										
1100	207	0	15	163	250	208	0	9	186	235	217	0	23	125	332
	201	0	25	99	349										
1200	159	0	13	96	209	162	0	7	148	189	150	0	16	115	190
	136	0	9	110	168										
1300	262	0	43	141	400	249	0	25	191	298	273	0	26	206	353
	302	0	49	41	431										
1400	227	0	19	177	331	224	0	11	194	261	237	0	25	159	309
	214	0	7	176	230										
1500	265	0	24	215	358	253	0	19	210	307	287	0	14	252	363
	295	0	46	228	367										
1600	278	0	36	108	409	288	0	10	244	309	287	0	27	147	352
	36	0	67	293	498										
1700	188	0	44	117	316	173	0	23	145	276	175	0	50	103	349
	262	0	75	.56	522										
1800	277	0	19	229	324	276	0	8	244	303	280	0	12	243	316
	320	0	23	280	380										
1900	294	0	21	246	354	290	0	8	261	311	296	0	15	234	350
	338	0	9	311	374										
2000	325	0	30	228	392	317	0	9	285	345	336	0	24	266	403
	336	0	3	328	346										
2100	357	0	27	258	468	353	0	9	321	380	13	0	31	229	461
	25	0	17	342	430										
2200	178	0	20	135	222	323	0	21	288	394	158	0	15	122	212
	115	0	15	426	498										
2300	245	0	20	191	281	269	0	5	242	276	272	0	17	188	329
	229	0	6	197	243										
2400	187	0	21	132	255	196	0	14	163	221	183	0	28	130	241
	197	0	25	98	250										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 1, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	625	0	514	0	612	0	602	0	137	0	-28	0	14	0	14	0	14	0	0	0
200	626	0	517	0	616	0	603	0	139	0	-16	0	14	0	14	0	14	0	0	0
300	633	0	524	0	605	0	584	0	131	0	-17	0	14	0	14	0	14	0	9	0
400	648	0	541	0	640	0	622	0	157	0	-27	0	14	0	14	0	14	0	22	0
500	652	0	542	0	635	0	620	0	157	0	-30	0	14	0	14	0	14	0	10	0
600	652	0	541	0	640	0	626	0	158	0	-25	0	14	0	14	0	14	0	1	0
700	651	0	541	0	640	0	630	0	158	0	-19	0	14	0	14	0	14	0	0	0
800	644	0	536	0	600	0	588	0	127	0	-25	0	14	0	14	0	14	0	2	0
900	633	0	525	0	610	0	595	0	137	0	-28	0	14	0	14	0	14	0	18	0
1000	649	0	541	0	640	0	633	0	154	0	-26	0	14	0	14	0	14	0	0	0
1100	656	0	543	0	620	0	610	0	140	0	-22	0	14	0	14	0	14	0	2	0
1200	656	0	540	0	644	0	634	0	153	0	-20	0	14	0	14	0	14	0	3	0
1300	654	0	535	0	613	0	615	0	130	0	-17	0	14	0	14	0	14	0	1	0
1400	707	0	552	0	654	0	659	0	153	0	-23	0	14	0	14	0	14	0	0	0
1500	716	0	559	0	647	0	653	0	152	0	-18	0	14	0	14	0	14	0	0	0
1600	603	0	491	0	581	0	575	0	109	0	-20	0	14	0	14	0	14	0	5	0
1700	637	0	529	0	615	0	606	0	141	0	-28	0	14	0	14	0	14	0	10	0
1800	641	0	531	0	613	0	612	0	137	0	-24	0	14	0	14	0	14	0	1	0
1900	639	0	529	0	609	0	603	0	133	0	-25	0	14	0	14	0	14	0	0	0
2000	626	0	519	0	582	0	576	0	116	0	-23	0	14	0	14	0	14	0	0	0
2100	588	0	483	0	568	0	557	0	105	0	-23	0	14	0	14	0	14	0	4	0
2200	596	0	489	0	584	0	574	0	118	0	-10	0	14	0	14	0	14	0	3	0
2300	602	0	496	0	584	0	577	0	116	0	-9	0	14	0	14	0	14	0	0	0
2400	602	0	497	0	588	0	579	0	119	0	-19	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR JUNE 2, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	58	0	0	34	94	108	0	0	82	135	48	0	0	23	81
	58	0	0	45	71										
200	68	0	0	31	112	130	0	0	85	188	59	0	0	32	107
	87	0	0	63	110										
300	74	0	0	34	108	137	0	0	94	185	69	0	0	33	132
	98	0	0	74	124										
400	57	0	0	22	100	159	0	0	112	198	97	0	0	60	152
	109	0	0	92	124										
500	67	0	0	23	129	159	0	0	111	221	99	0	0	49	142
	92	0	0	71	119										
600	56	0	0	19	111	134	0	0	65	177	83	0	0	42	132
	65	0	0	49	83										
700	70	0	0	35	138	157	0	0	100	214	76	0	0	34	119
	63	0	0	42	94										
800	74	0	0	34	144	151	0	0	99	216	96	0	0	50	161
	78	0	0	34	108										
900	96	0	0	43	167	160	0	0	98	222	85	0	0	37	137
	83	0	0	43	119										
1000	78	0	0	43	134	126	0	0	83	177	68	0	0	7	120
	97	0	0	73	135										
1100	96	0	0	37	169	150	0	0	59	209	72	0	0	11	145
	101	0	0	67	134										
1200	96	0	0	47	177	144	0	0	81	216	90	0	0	23	173
	101	0	0	75	124										
1300	82	0	0	34	147	118	0	0	54	168	83	0	0	28	145
	98	0	0	70	132										
1400	89	0	0	48	136	129	0	0	64	181	84	0	0	27	138
	87	0	0	45	106										
1500	81	0	0	51	131	113	0	0	42	167	73	0	0	18	123
	84	0	0	63	112										
1600	81	0	0	35	126	101	0	0	43	154	64	0	0	21	121
	63	0	0	45	79										
1700	71	0	0	41	119	100	0	0	62	137	58	0	0	12	110
	83	0	0	59	104										
1800	87	0	0	43	137	117	0	0	65	150	56	0	0	4	132
	61	0	0	33	102										
1900	77	0	0	34	121	113	0	0	58	151	56	0	0	6	104
	64	0	0	39	97										
2000	83	0	0	40	135	121	0	0	67	165	46	0	0	4	124
	63	0	0	33	93										
2100	47	0	0	27	82	94	0	0	65	115	30	0	0	4	64
	43	0	0	14	81										
2200	47	0	0	33	59	132	0	0	110	148	25	0	0	4	47
	57	0	0	28	111										
2300	41	0	0	28	50	131	0	0	115	149	25	0	0	3	47
	50	0	0	34	73										
2400	51	0	0	31	68	155	0	0	126	188	31	0	0	4	69
	52	0	0	29	82										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 2, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	243	0	11	197	275	252	0	5	226	267	262	0	12	212	309
	221	0	5	206	235										
200	243	0	12	208	282	252	0	6	231	270	263	0	12	223	302
	219	0	5	204	235										
300	247	0	13	206	293	258	0	6	238	276	261	0	14	206	298
	221	0	6	204	245										
400	277	0	18	199	338	282	0	4	271	295	284	0	7	261	305
	274	0	3	264	284										
500	268	0	18	213	325	277	0	5	265	299	283	0	8	263	309
	263	0	3	251	272										
600	273	0	19	210	328	278	0	7	253	302	284	0	10	253	330
	252	0	8	233	274										
700	263	0	17	204	314	275	0	7	254	297	278	0	10	251	307
	236	0	10	208	270										
800	258	0	14	200	311	269	0	7	248	298	278	0	11	246	313
	227	0	12	194	286										
900	254	0	12	214	298	256	0	6	240	282	269	0	12	228	308
	211	0	8	164	244										
1000	242	0	15	202	281	242	0	8	217	270	256	0	15	217	309
	214	0	4	197	226										
1100	237	0	14	195	273	238	0	8	205	265	253	0	17	187	297
	213	0	5	194	226										
1200	249	0	14	181	286	245	0	9	209	270	256	0	17	198	315
	214	0	4	192	231										
1300	238	0	15	201	279	242	0	9	206	266	252	0	14	202	307
	212	0	4	193	226										
1400	239	0	14	187	281	243	0	8	213	267	262	0	15	209	301
	212	0	5	185	229										
1500	239	0	17	193	276	240	0	8	210	275	257	0	18	185	314
	214	0	6	194	232										
1600	233	0	16	198	268	244	0	12	209	290	258	0	15	215	310
	215	0	6	200	236										
1700	233	0	17	189	281	230	0	8	195	260	244	0	20	180	406
	213	0	4	197	224										
1800	211	0	16	157	264	209	0	10	183	236	219	0	22	165	310
	192	0	18	84	245										
1900	202	0	12	172	237	197	0	7	177	220	197	0	19	137	261
	207	0	8	167	228										
2000	202	0	11	169	231	202	0	7	186	234	207	0	19	138	282
	208	0	11	135	235										
2100	198	0	6	176	224	203	0	3	192	218	204	0	13	132	238
	184	0	28	57	281										
2200	183	0	4	168	202	195	0	1	188	201	189	0	11	157	232
	165	0	23	112	488										
2300	183	0	5	162	197	188	0	2	181	194	183	0	9	157	223
	136	0	10	102	190										
2400	179	0	8	154	206	189	0	1	185	195	180	0	19	129	240
	138	0	17	104	483										

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METEOROLOGICAL DATA--CK--FOR JUNE 2, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	604	0	499	0	575	0	569	0	112	0	-21	0	14	0	14	0	14	0	0	0
200	606	0	502	0	579	0	570	0	115	0	-23	0	14	0	14	0	14	0	0	0
300	601	0	498	0	572	0	567	0	111	0	-23	0	14	0	14	0	14	0	0	0
400	594	0	481	0	573	0	566	0	111	0	0	0	14	0	14	0	14	0	0	0
500	593	0	474	0	574	0	567	0	103	0	-3	0	14	0	14	0	14	0	0	0
600	584	0	459	0	566	0	569	0	95	0	0	0	14	0	14	0	14	0	0	0
700	582	0	455	0	566	0	561	0	90	0	3	0	14	0	14	0	14	0	0	0
800	608	0	458	0	579	0	573	0	97	0	-4	0	14	0	14	0	14	0	0	0
900	618	0	467	0	586	0	589	0	98	0	-13	0	14	0	14	0	14	0	0	0
1000	634	0	480	0	601	0	605	0	107	0	-22	0	14	0	14	0	14	0	0	0
1100	659	0	480	0	626	0	633	0	123	0	-22	0	14	0	14	0	14	0	0	0
1200	680	0	478	0	635	0	650	0	126	0	-21	0	14	0	14	0	14	0	0	0
1300	710	0	471	0	646	0	665	0	123	0	-23	0	14	0	14	0	14	0	0	0
1400	722	0	469	0	653	0	675	0	129	0	-23	0	14	0	14	0	14	0	0	0
1500	743	0	445	0	676	0	698	0	137	0	-22	0	14	0	14	0	14	0	0	0
1600	749	0	430	0	688	0	703	0	147	0	-19	0	14	0	14	0	14	0	0	0
1700	771	0	403	0	737	0	752	0	172	0	-20	0	14	0	14	0	14	0	0	0
1800	775	0	405	0	785	0	797	0	206	0	-15	0	14	0	14	0	14	0	0	0
1900	781	0	393	0	750	0	759	0	182	0	-12	0	14	0	14	0	14	0	0	0
2000	764	0	446	0	722	0	724	0	168	0	-9	0	14	0	14	0	14	0	0	0
2100	729	0	449	0	741	0	743	0	165	0	2	0	14	0	14	0	14	0	0	0
2200	686	0	450	0	718	0	714	0	146	0	30	0	14	0	14	0	14	0	0	0
2300	662	0	442	0	693	0	689	0	131	0	36	0	14	0	14	0	14	0	0	0
2400	647	0	447	0	682	0	680	0	125	0	32	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 3, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	38	0	0	27	60	131	0	0	107	149	28	0	0	4	61
	56	0	0	34	79										
200	31	0	0	15	52	131	0	0	101	162	34	0	0	4	66
	67	0	0	38	109										
300	49	0	0	31	95	156	0	0	123	191	41	0	0	4	83
	65	0	0	34	96										
400	31	0	0	13	47	129	0	0	99	171	27	0	0	4	51
	57	0	0	28	81										
500	47	0	0	31	65	160	0	0	143	174	38	0	0	6	67
	64	0	0	36	93										
600	46	0	0	28	68	149	0	0	136	163	35	0	0	5	83
	64	0	0	41	95										
700	36	0	0	20	61	124	0	0	102	143	32	0	0	6	71
	63	0	0	40	102										
800	41	0	0	22	66	114	0	0	90	135	33	0	0	4	63
	66	0	0	27	96										
900	36	0	0	19	68	91	0	0	65	114	39	0	0	7	76
	77	0	0	45	114										
1000	27	0	0	14	48	92	0	0	73	105	26	0	0	6	44
	59	0	0	29	90										
1100	27	0	0	17	42	56	0	0	25	74	16	0	0	4	40
	27	0	0	10	49										
1200	19	0	0	10	30	31	0	0	14	54	7	0	0	4	28
	17	0	0	5	35										
1300	43	0	0	25	63	59	0	0	35	83	37	0	0	6	64
	49	0	0	39	61										
1400	45	0	0	13	81	74	0	0	22	112	58	0	0	20	104
	40	0	0	30	50										
1500	40	0	0	14	71	93	0	0	44	137	49	0	0	16	100
	93	0	0	65	124										
1600	70	0	0	32	142	154	0	0	98	197	45	0	0	11	107
	135	0	0	108	169										
1700	48	0	0	18	86	49	0	0	27	76	27	0	0	4	53
	99	0	0	78	119										
1800	82	0	0	30	155	116	0	0	65	164	41	0	0	5	86
	116	0	0	95	134										
1900	67	0	0	20	132	115	0	0	64	162	45	0	0	18	97
	114	0	0	87	138										
2000	55	0	0	20	132	119	0	0	66	171	36	0	0	10	86
	113	0	0	83	154										
2100	69	0	0	31	123	132	0	0	84	181	45	0	0	5	114
	152	0	0	131	183										
2200	50	0	0	19	107	89	0	0	42	146	38	0	0	5	74
	124	0	0	91	157										
2300	69	0	0	28	112	135	0	0	73	215	41	0	0	6	100
	155	0	0	125	180										
2400	61	0	0	27	101	143	0	0	79	195	41	0	0	7	118
	158	0	0	109	189										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 3, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	177	0	6	152	194	186	0	2	179	191	180	0	11	131	216
	133	0	10	95	172										
200	175	0	19	129	214	178	0	3	170	189	174	0	21	100	234
	133	0	9	103	173										
300	168	0	10	133	191	180	0	2	173	188	158	0	14	121	198
	134	0	15	100	233										
400	164	0	10	131	197	185	0	2	177	193	161	0	15	111	201
	136	0	13	113	237										
500	171	0	7	149	192	182	0	1	177	188	165	0	10	136	197
	136	0	13	102	212										
600	174	0	6	156	196	180	0	0	176	183	170	0	13	123	212
	138	0	14	115	213										
700	161	0	11	125	200	179	0	6	166	191	153	0	15	107	189
	133	0	8	107	174										
800	168	0	11	132	209	175	0	2	168	184	157	0	18	113	201
	133	0	15	104	511										
900	154	0	15	106	199	166	0	3	147	177	141	0	14	108	180
	135	0	9	111	181										
1000	152	0	15	94	199	160	0	4	149	165	141	0	9	101	167
	124	0	14	74	234										
1100	215	0	29	135	288	253	0	16	191	282	238	0	46	147	351
	190	0	44	103	281										
1200	215	0	27	158	289	193	0	16	153	253	211	0	35	45	338
	227	0	45	73	292										
1300	240	0	16	193	278	242	0	11	204	277	249	0	14	207	299
	220	0	6	202	234										
1400	289	0	34	126	440	300	0	10	253	333	287	0	13	249	342
	313	0	6	296	335										
1500	311	0	37	75	485	313	0	10	288	343	306	0	19	240	400
	321	0	7	305	338										
1600	327	0	23	165	405	322	0	5	305	335	318	0	19	262	434
	342	0	6	328	360										
1700	27	0	27	237	429	6	0	20	315	400	324	0	44	96	512
	1	0	3	347	373										
1800	358	0	12	307	431	347	0	6	328	365	344	0	31	67	440
	359	0	2	350	367										
1900	339	0	15	279	380	334	0	7	303	353	314	0	24	231	378
	343	0	8	329	364										
2000	330	0	26	242	457	325	0	6	303	348	322	0	24	255	428
	343	0	6	329	359										
2100	347	0	15	283	408	340	0	7	321	377	332	0	31	99	427
	354	0	3	347	362										
2200	353	0	17	300	402	348	0	8	319	373	348	0	36	146	490
	0	0	5	347	371										
2300	358	0	13	321	429	350	0	7	330	376	353	0	30	48	487
	1	0	2	353	370										
2400	358	0	14	306	439	353	0	5	332	371	351	0	26	86	412
	4	0	2	358	375										

DATA CODES
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4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 3, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	638	0	451	0	670	0	666	0	122	0	26	0	14	0	14	0	14	0	0	0
200	624	0	451	0	660	0	655	0	119	0	31	0	14	0	14	0	14	0	0	0
300	621	0	458	0	665	0	662	0	122	0	28	0	14	0	14	0	14	0	0	0
400	608	0	458	0	659	0	655	0	121	0	29	0	14	0	14	0	14	0	0	0
500	608	0	462	0	641	0	637	0	116	0	32	0	14	0	14	0	14	0	0	0
600	604	0	464	0	628	0	623	0	112	0	27	0	14	0	14	0	14	0	0	0
700	606	0	471	0	625	0	620	0	115	0	13	0	14	0	14	0	14	0	0	0
800	621	0	488	0	635	0	635	0	125	0	-3	0	14	0	14	0	14	0	0	0
900	653	0	521	0	665	0	667	0	149	0	-11	0	14	0	14	0	14	0	0	0
1000	658	0	528	0	667	0	668	0	153	0	1	0	14	0	14	0	14	0	0	0
1100	598	0	483	0	589	0	588	0	109	0	-39	0	14	0	14	0	14	0	34	0
1200	619	0	500	0	618	0	618	0	138	0	-23	0	14	0	14	0	14	0	0	0
1300	627	0	499	0	605	0	608	0	136	0	-22	0	14	0	14	0	14	0	0	0
1400	638	0	503	0	588	0	597	0	154	0	-29	0	14	0	14	0	14	0	0	0
1500	607	0	480	0	581	0	588	0	139	0	-24	0	14	0	14	0	14	0	0	0
1600	566	0	457	0	538	0	549	0	108	0	-27	0	14	0	14	0	14	0	0	0
1700	578	0	453	0	546	0	554	0	108	0	-20	0	14	0	14	0	14	0	0	0
1800	581	0	460	0	553	0	563	0	113	0	-23	0	14	0	14	0	14	0	0	0
1900	549	0	433	0	523	0	531	0	69	0	-26	0	14	0	14	0	14	0	0	0
2000	504	0	395	0	487	0	494	0	38	0	-28	0	14	0	14	0	14	0	0	0
2100	504	0	391	0	493	0	500	0	40	0	-28	0	14	0	14	0	14	0	0	0
2200	504	0	386	0	501	0	504	0	36	0	-25	0	14	0	14	0	14	0	0	0
2300	511	0	390	0	517	0	519	0	44	0	-19	0	14	0	14	0	14	0	0	0
2400	520	0	389	0	533	0	535	0	50	0	-11	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 4, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	70	0	0	35	132	144	0	0	93	197	36	0	0	7	84
	149	0	0	127	172										
200	46	0	0	15	98	114	0	0	70	142	27	0	0	5	83
	116	0	0	96	135										
300	37	0	0	15	106	106	0	0	56	149	15	0	0	4	37
	110	0	0	95	129										
400	26	0	0	12	45	94	0	0	60	114	26	0	0	8	60
	84	0	0	61	104										
500	33	0	0	18	51	66	0	0	39	87	39	0	0	18	58
	62	0	0	42	84										
600	32	0	0	20	48	101	0	0	89	115	28	0	0	12	47
	69	0	0	57	82										
700	25	0	0	18	35	65	0	0	58	75	23	0	0	9	36
	54	0	0	38	66										
800	34	0	0	14	66	63	0	0	39	83	30	0	0	7	55
	60	0	0	49	73										
900	50	0	0	25	81	75	0	0	56	97	41	0	0	12	68
	34	0	0	27	46										
1000	48	0	0	23	88	60	0	0	5	86	50	0	0	4	80
	63	0	0	43	83										
1100	52	0	0	26	76	65	0	0	37	88	41	0	0	5	72
	53	0	0	43	63										
1200	58	0	0	23	98	67	0	0	24	123	46	0	0	5	82
	66	0	0	55	76										
1300	77	0	0	40	112	93	0	0	61	117	61	0	0	18	95
	67	0	0	58	80										
1400	59	0	0	32	108	86	0	0	45	123	63	0	0	11	107
	63	0	0	48	78										
1500	62	0	0	38	104	76	0	0	44	112	56	0	0	19	93
	47	0	0	37	55										
1600	45	0	0	24	91	63	0	0	39	96	48	0	0	5	87
	46	0	0	34	59										
1700	51	0	0	28	84	57	0	0	26	88	39	0	0	4	72
	72	0	0	60	81										
1800	36	0	0	12	59	44	0	0	12	72	32	0	0	4	67
	47	0	0	39	54										
1900	27	0	0	17	46	28	0	0	16	48	13	0	0	4	38
	45	0	0	41	48										
2000	12	0	0	8	17	36	0	0	29	45	10	0	0	4	28
	34	0	0	19	50										
2100	23	0	0	16	32	84	0	0	77	89	17	0	0	4	39
	57	0	0	42	81										
2200	22	0	0	15	33	98	0	0	94	103	8	0	0	4	28
	58	0	0	42	77										
2300	38	0	0	31	47	113	0	0	106	125	12	0	0	4	40
	54	0	0	37	82										
2400	41	0	0	31	54	134	0	0	123	143	22	0	0	4	52
	46	0	0	29	67										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 4, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	349	0	16	278	411	346	0	5	329	373	340	0	34	179	460
	1	0	3	351	368										
200	344	0	19	247	401	341	0	4	329	359	332	0	38	115	419
	358	0	3	344	367										
300	330	0	28	83	470	331	0	5	314	347	311	0	29	174	390
	345	0	4	332	357										
400	299	0	35	200	413	316	0	3	305	327	304	0	17	267	366
	325	0	7	303	343										
500	265	0	12	237	315	290	0	6	261	307	272	0	14	233	305
	312	0	10	284	330										
600	294	0	14	250	332	299	0	1	294	303	299	0	9	278	324
	309	0	6	294	324										
700	273	0	16	245	323	288	0	4	275	300	281	0	8	264	310
	295	0	6	277	312										
800	286	0	24	213	421	298	0	7	281	320	300	0	16	269	361
	308	0	6	291	321										
900	293	0	14	249	356	291	0	6	267	308	288	0	14	247	335
	290	0	10	268	325										
1000	265	0	29	179	337	265	0	16	203	342	269	0	14	213	297
	255	0	6	237	277										
1100	263	0	21	201	317	261	0	10	237	292	264	0	27	186	318
	238	0	6	225	258										
1200	242	0	28	164	334	243	0	16	206	280	247	0	25	190	307
	226	0	4	215	236										
1300	250	0	16	208	297	250	0	8	232	285	257	0	20	207	307
	232	0	4	222	244										
1400	250	0	20	184	301	262	0	12	219	294	265	0	20	140	302
	238	0	5	222	253										
1500	263	0	28	199	314	270	0	12	229	319	262	0	21	214	314
	228	0	4	215	241										
1600	293	0	32	172	376	286	0	17	233	342	268	0	20	221	366
	228	0	4	213	239										
1700	230	0	25	183	311	233	0	11	202	269	254	0	24	196	346
	218	0	2	208	226										
1800	258	0	34	175	346	256	0	23	178	301	244	0	23	197	302
	226	0	2	219	233										
1900	211	0	15	162	268	199	0	9	172	221	181	0	28	150	299
	224	0	1	219	227										
2000	144	0	11	113	165	158	0	2	152	164	149	0	4	133	160
	129	0	4	115	142										
2100	172	0	7	147	191	163	0	1	160	165	159	0	7	132	182
	130	0	4	118	149										
2200	175	0	5	156	197	162	0	0	161	163	164	0	11	136	204
	128	0	5	113	148										
2300	182	0	4	168	192	175	0	0	172	177	184	0	10	135	226
	129	0	7	101	161										
2400	185	0	5	168	203	183	0	0	182	185	180	0	9	141	222
	139	0	18	82	508										

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METEOROLOGICAL DATA--CK--FOR JUNE 4, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	530	0	390	0	541	0	543	0	52	0	-10	0	14	0	14	0	14	0	0	0
200	524	0	388	0	537	0	539	0	48	0	-7	0	14	0	14	0	14	0	0	0
300	518	0	379	0	531	0	534	0	41	0	-6	0	14	0	14	0	14	0	0	0
400	501	0	374	0	514	0	518	0	33	0	-7	0	14	0	14	0	14	0	0	0
500	491	0	365	0	511	0	514	0	30	0	-6	0	14	0	14	0	14	0	0	0
600	483	0	362	0	520	0	523	0	36	0	12	0	14	0	14	0	14	0	0	0
700	503	0	375	0	523	0	525	0	39	0	6	0	14	0	14	0	14	0	0	0
800	539	0	403	0	531	0	531	0	55	0	-18	0	14	0	14	0	14	0	0	0
900	536	0	413	0	507	0	507	0	48	0	-22	0	14	0	14	0	14	0	0	0
1000	576	0	434	0	552	0	555	0	71	0	-21	0	14	0	14	0	14	0	0	0
1100	599	0	434	0	576	0	653	0	86	0	-21	0	14	0	14	0	14	0	0	0
1200	626	0	432	0	588	0	601	0	94	0	-21	0	14	0	14	0	14	0	0	0
1300	639	0	424	0	599	0	614	0	95	0	-20	0	14	0	14	0	14	0	0	0
1400	655	0	424	0	605	0	622	0	96	0	-25	0	14	0	14	0	14	0	0	0
1500	663	0	418	0	617	0	633	0	99	0	-21	0	14	0	14	0	14	0	0	0
1600	677	0	404	0	642	0	658	0	116	0	-19	0	14	0	14	0	14	0	0	0
1700	685	0	386	0	664	0	676	0	129	0	-20	0	14	0	14	0	14	0	0	0
1800	688	0	369	0	665	0	676	0	127	0	-16	0	14	0	14	0	14	0	0	0
1900	694	0	343	0	685	0	685	0	132	0	-13	0	14	0	14	0	14	0	0	0
2000	673	0	391	0	685	0	689	0	121	0	2	0	14	0	14	0	14	0	0	0
2100	648	0	397	0	666	0	662	0	103	0	24	0	14	0	14	0	14	0	0	0
2200	630	0	389	0	658	0	649	0	97	0	43	0	14	0	14	0	14	0	0	0
2300	625	0	391	0	653	0	646	0	94	0	47	0	14	0	14	0	14	0	0	0
2400	617	0	384	0	651	0	647	0	94	0	48	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 5, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	19	0	0	6	40	117	0	0	105	125	9	0	0	4	37
	44	0	0	29	66										
200	27	0	0	8	48	112	0	0	95	128	16	0	0	4	47
	45	0	0	29	73										
300	18	0	0	12	28	85	0	0	76	104	4	0	0	4	4
	47	0	0	34	62										
400	14	0	0	7	23	79	0	0	70	92	7	0	0	4	32
	58	0	0	41	77										
500	17	0	0	11	25	65	0	0	55	74	4	0	0	4	12
	66	0	0	46	78										
600	11	0	0	6	16	40	0	0	36	49	4	0	0	4	4
	60	0	0	43	73										
700	26	0	0	16	38	55	0	0	47	68	12	0	0	4	42
	54	0	0	39	69										
800	24	0	0	20	33	61	0	0	55	66	4	0	0	4	10
	28	0	0	18	43										
900	28	0	0	17	43	82	0	0	74	90	9	0	0	4	37
	45	0	0	33	61										
1000	42	0	0	20	62	57	0	0	39	75	35	0	0	4	65
	60	0	0	45	75										
1100	39	0	0	13	85	61	0	0	38	86	23	0	0	4	52
	84	0	0	65	98										
1200	32	0	0	15	51	32	0	0	6	53	11	0	0	4	40
	52	0	0	36	66										
1300	47	0	0	18	80	47	0	0	10	78	27	0	0	4	90
	49	0	0	37	59										
1400	63	0	0	36	99	78	0	0	44	111	51	0	0	4	97
	62	0	0	51	76										
1500	41	0	0	9	72	51	0	0	16	77	48	0	0	7	83
	44	0	0	34	57										
1600	49	0	0	16	86	58	0	0	32	84	39	0	0	4	71
	51	0	0	34	69										
1700	40	0	0	18	66	38	0	0	8	69	29	0	0	4	57
	41	0	0	26	56										
1800	33	0	0	16	48	30	0	0	9	50	21	0	0	4	59
	31	0	0	21	45										
1900	35	0	0	11	67	54	0	0	40	72	32	0	0	4	60
	65	0	0	57	75										
2000	11	0	0	6	19	15	0	0	2	25	4	0	0	4	6
	29	0	0	20	39										
2100	21	0	0	16	32	51	0	0	45	55	20	0	0	6	34
	38	0	0	20	51										
2200	22	0	0	15	30	77	0	0	63	87	19	0	0	4	42
	50	0	0	36	65										
2300	37	0	0	22	54	109	0	0	106	115	26	0	0	4	53
	56	0	0	40	80										
2400	22	0	0	12	37	91	0	0	88	95	18	0	0	4	46
	39	0	0	21	57										

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METEOROLOGICAL DATA--CK--FOR JUNE 5, 1989

DIRECTIONS 1- 4 (DEGREES)

	DIR10M DIR10S					DIR60M					DIR10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	167	0	19	99	233	197	0	0	196	200	179	0	11	137	204
	141	0	13	108	205										
200	178	0	13	48	210	198	0	4	187	209	183	0	10	138	214
	134	0	13	111	201										
300	141	0	16	107	184	204	0	2	197	208	118	0	26	88	185
	134	0	10	115	192										
400	152	0	12	132	177	197	0	2	190	202	152	0	22	91	182
	124	0	4	109	137										
500	156	0	8	132	177	189	0	1	186	194	102	0	20	57	135
	126	0	3	115	134										
600	148	0	14	120	164	228	0	10	211	259	68	0	56	314	497
	129	0	4	116	143										
700	179	0	7	164	197	201	0	6	190	218	165	0	10	134	192
	128	0	5	112	143										
800	198	0	7	175	212	234	0	2	228	240	206	0	18	147	251
	162	0	21	109	227										
900	197	0	12	165	232	231	0	4	225	240	219	0	14	177	260
	214	0	5	196	231										
1000	252	0	18	178	301	245	0	7	218	272	258	0	14	214	306
	241	0	7	222	272										
1100	319	0	31	135	405	322	0	8	287	352	316	0	33	230	497
	354	0	5	338	362										
1200	350	0	22	305	496	344	0	13	298	374	6	0	41	156	432
	355	0	4	337	364										
1300	29	0	26	303	482	14	0	23	244	421	38	0	58	34	508
	333	0	6	317	351										
1400	282	0	17	223	327	303	0	8	252	324	294	0	14	261	344
	310	0	9	292	332										
1500	300	0	31	177	474	312	0	14	272	367	295	0	13	249	353
	306	0	7	280	323										
1600	292	0	26	173	374	305	0	10	267	341	305	0	19	262	365
	291	0	7	275	308										
1700	266	0	30	176	337	284	0	16	197	320	275	0	24	211	348
	250	0	14	220	281										
1800	275	0	33	197	348	280	0	20	229	334	306	0	34	38	406
	310	0	12	283	340										
1900	329	0	31	195	457	326	0	7	302	350	295	0	17	246	346
	344	0	5	329	361										
2000	336	0	32	257	383	350	0	8	320	376	91	0	31	18	508
	360	0	6	338	382										
2100	141	0	7	116	160	166	0	4	157	173	140	0	4	121	153
	118	0	4	102	138										
2200	160	0	5	141	181	178	0	1	174	181	165	0	6	138	179
	123	0	5	106	137										
2300	184	0	7	159	205	182	0	2	178	187	184	0	12	141	221
	123	0	5	105	146										
2400	180	0	13	136	218	187	0	0	186	189	185	0	10	164	215
	127	0	8	110	161										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 5, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	599	0	387	0	651	0	646	0	95	0	67	0	14	0	14	0	14	0	0	0
200	597	0	389	0	627	0	620	0	82	0	61	0	14	0	14	0	14	0	0	0
300	590	0	389	0	621	0	612	0	80	0	66	0	14	0	14	0	14	0	0	0
400	581	0	400	0	616	0	614	0	76	0	68	0	14	0	14	0	14	0	0	0
500	574	0	398	0	602	0	596	0	69	0	66	0	14	0	14	0	14	0	0	0
600	567	0	395	0	599	0	578	0	70	0	75	0	14	0	14	0	14	0	0	0
700	570	0	400	0	591	0	586	0	71	0	57	0	14	0	14	0	14	0	0	0
800	584	0	422	0	624	0	614	0	90	0	49	0	14	0	14	0	14	0	0	0
900	610	0	455	0	629	0	633	0	98	0	22	0	14	0	14	0	14	0	0	0
1000	632	0	447	0	622	0	626	0	101	0	-13	0	14	0	14	0	14	0	0	0
1100	589	0	437	0	548	0	559	0	68	0	-24	0	14	0	14	0	14	0	0	0
1200	613	0	432	0	582	0	589	0	83	0	-15	0	14	0	14	0	14	0	0	0
1300	674	0	447	0	582	0	593	0	96	0	-18	0	14	0	14	0	14	0	0	0
1400	641	0	456	0	579	0	591	0	88	0	-23	0	14	0	14	0	14	0	0	0
1500	648	0	446	0	576	0	593	0	84	0	-23	0	14	0	14	0	14	0	0	0
1600	652	0	446	0	579	0	588	0	91	0	-21	0	14	0	14	0	14	0	0	0
1700	651	0	438	0	586	0	596	0	94	0	-18	0	14	0	14	0	14	0	0	0
1800	699	0	432	0	596	0	606	0	105	0	-15	0	14	0	14	0	14	0	0	0
1900	646	0	447	0	598	0	610	0	110	0	-18	0	14	0	14	0	14	0	0	0
2000	655	0	410	0	615	0	625	0	116	0	-6	0	14	0	14	0	14	0	0	0
2100	640	0	421	0	651	0	651	0	111	0	15	0	14	0	14	0	14	0	0	0
2200	615	0	429	0	627	0	625	0	88	0	45	0	14	0	14	0	14	0	0	0
2300	599	0	421	0	619	0	615	0	83	0	65	0	14	0	14	0	14	0	0	0
2400	588	0	411	0	639	0	609	0	88	0	92	0	14	0	14	0	14	0	0	0

DATA CODES
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METEOROLOGICAL DATA--CK--FOR JUNE 6, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	31	0	0	19	49	120	0	0	79	158	30	0	0	4	62
	60	0	0	37	83										
200	33	0	0	21	48	143	0	0	136	153	28	0	0	4	57
	48	0	0	32	67										
300	46	0	0	27	67	165	0	0	148	198	29	0	0	4	62
	61	0	0	39	97										
400	57	0	0	34	91	154	0	0	131	182	40	0	0	5	75
	63	0	0	36	112										
500	61	0	0	35	90	142	0	0	105	168	42	0	0	4	75
	58	0	0	29	109										
600	55	0	0	32	81	130	0	0	99	155	30	0	0	4	64
	55	0	0	32	109										
700	52	0	0	31	71	133	0	0	94	171	34	0	0	4	79
	55	0	0	25	102										
800	56	0	0	27	81	107	0	0	71	161	36	0	0	4	92
	69	0	0	29	125										
900	77	0	0	36	137	120	0	0	56	178	61	0	0	7	160
	80	0	0	34	130										
1000	107	0	0	61	176	163	0	0	83	221	85	0	0	12	172
	126	0	0	63	174										
1100	99	0	0	42	176	166	0	0	71	226	88	0	0	17	169
	107	0	0	76	134										
1200	107	0	0	59	184	162	0	0	75	222	96	0	0	40	174
	91	0	0	70	119										
1300	97	0	0	48	143	129	0	0	71	178	82	0	0	25	141
	97	0	0	75	117										
1400	81	0	0	35	148	119	0	0	57	173	80	0	0	32	131
	84	0	0	67	106										
1500	69	0	0	25	114	111	0	0	61	172	65	0	0	7	110
	71	0	0	55	91										
1600	72	0	0	34	115	92	0	0	53	144	73	0	0	16	119
	90	0	0	67	118										
1700	90	0	0	50	133	123	0	0	72	166	83	0	0	34	148
	106	0	0	79	125										
1800	62	0	0	31	133	106	0	0	61	155	58	0	0	7	109
	93	0	0	74	113										
1900	66	0	0	32	125	110	0	0	56	158	60	0	0	6	112
	94	0	0	54	137										
2000	57	0	0	36	101	114	0	0	83	146	52	0	0	4	104
	89	0	0	39	115										
2100	52	0	0	34	82	119	0	0	79	154	49	0	0	4	84
	87	0	0	51	133										
2200	40	0	0	23	61	117	0	0	92	145	31	0	0	4	61
	43	0	0	15	78										
2300	37	0	0	17	53	121	0	0	103	148	20	0	0	4	51
	52	0	0	28	87										
2400	65	0	0	41	106	147	0	0	115	188	59	0	0	20	108
	64	0	0	26	110										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 6, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	164	0	9	142	189	191	0	2	187	196	174	0	8	151	199
	127	0	8	110	156										
200	182	0	8	162	221	197	0	1	194	200	188	0	10	161	231
	139	0	10	118	203										
300	177	0	5	158	197	193	0	1	191	198	177	0	10	143	215
	144	0	20	110	503										
400	182	0	7	159	199	192	0	2	187	200	183	0	12	133	227
	162	0	26	109	446										
500	188	0	7	167	210	197	0	2	188	207	195	0	12	153	240
	170	0	27	113	496										
600	189	0	8	169	217	197	0	3	188	206	197	0	16	149	246
	169	0	23	121	240										
700	188	0	8	167	213	209	0	3	200	220	189	0	14	148	257
	175	0	24	102	252										
800	195	0	10	168	230	211	0	5	192	227	197	0	17	150	284
	189	0	23	107	246										
900	209	0	15	170	267	217	0	10	194	256	220	0	19	99	277
	199	0	15	138	238										
1000	228	0	14	190	259	231	0	8	207	266	242	0	15	192	299
	219	0	7	181	241										
1100	227	0	11	196	260	231	0	8	201	257	243	0	17	151	306
	214	0	3	197	223										
1200	239	0	13	203	273	239	0	8	204	263	258	0	14	195	302
	215	0	4	197	228										
1300	255	0	15	207	313	255	0	8	215	286	257	0	14	215	300
	213	0	3	202	227										
1400	243	0	15	173	285	248	0	9	219	284	263	0	14	216	326
	212	0	3	199	223										
1500	233	0	12	202	276	244	0	7	224	273	258	0	13	212	303
	212	0	4	197	225										
1600	221	0	15	170	270	236	0	13	201	282	241	0	16	176	299
	212	0	4	197	225										
1700	224	0	13	180	267	234	0	9	203	266	244	0	14	204	294
	214	0	3	204	230										
1800	227	0	13	184	273	234	0	8	198	256	244	0	15	199	292
	210	0	4	191	223										
1900	230	0	12	171	271	236	0	8	203	264	252	0	16	207	304
	212	0	4	192	227										
2000	223	0	13	192	263	231	0	5	216	252	242	0	13	198	293
	206	0	6	173	230										
2100	222	0	10	198	252	229	0	4	215	241	236	0	12	172	281
	204	0	8	169	234										
2200	205	0	10	169	233	214	0	4	203	223	211	0	14	160	256
	203	0	16	134	238										
2300	186	0	8	159	216	217	0	2	208	223	187	0	10	162	234
	193	0	21	104	265										
2400	225	0	11	194	255	228	0	4	217	242	236	0	12	202	292
	197	0	15	141	242										

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METEOROLOGICAL DATA--CK--FOR JUNE 6, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	567	0	410	0	624	0	595	0	81	0	112	0	14	0	14	0	14	0	0	0
200	567	0	399	0	631	0	624	0	86	0	115	0	14	0	14	0	14	0	0	0
300	574	0	398	0	624	0	618	0	86	0	65	0	14	0	14	0	14	0	0	0
400	576	0	408	0	629	0	627	0	93	0	28	0	14	0	14	0	14	0	0	0
500	594	0	431	0	633	0	631	0	98	0	13	0	14	0	14	0	14	0	0	0
600	594	0	432	0	628	0	625	0	96	0	12	0	14	0	14	0	14	0	0	0
700	598	0	436	0	639	0	638	0	102	0	23	0	14	0	14	0	14	0	0	0
800	643	0	452	0	655	0	654	0	118	0	0	0	14	0	14	0	14	0	0	0
900	687	0	467	0	680	0	682	0	130	0	-13	0	14	0	14	0	14	0	0	0
1000	708	0	458	0	670	0	673	0	130	0	-18	0	14	0	14	0	14	0	0	0
1100	718	0	462	0	672	0	681	0	136	0	-24	0	14	0	14	0	14	0	0	0
1200	732	0	467	0	678	0	693	0	145	0	-24	0	14	0	14	0	14	0	0	0
1300	748	0	467	0	700	0	717	0	147	0	-22	0	14	0	14	0	14	0	0	0
1400	743	0	474	0	698	0	714	0	152	0	-18	0	14	0	14	0	14	0	0	0
1500	760	0	482	0	707	0	724	0	158	0	-20	0	14	0	14	0	14	0	0	0
1600	792	0	487	0	743	0	763	0	180	0	-21	0	14	0	14	0	14	0	0	0
1700	807	0	490	0	760	0	780	0	191	0	-20	0	14	0	14	0	14	0	0	0
1800	794	0	469	0	765	0	777	0	187	0	-12	0	14	0	14	0	14	0	0	0
1900	805	0	468	0	759	0	771	0	192	0	-14	0	14	0	14	0	14	0	0	0
2000	789	0	463	0	751	0	761	0	182	0	-7	0	14	0	14	0	14	0	0	0
2100	761	0	450	0	743	0	748	0	168	0	4	0	14	0	14	0	14	0	0	0
2200	746	0	445	0	726	0	708	0	156	0	20	0	14	0	14	0	14	0	0	0
2300	708	0	457	0	753	0	754	0	170	0	47	0	14	0	14	0	14	0	0	0
2400	744	0	464	0	743	0	744	0	164	0	7	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 7, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	34	0	0	16	76	105	0	0	64	143	29	0	0	4	72
	55	0	0	30	97										
200	39	0	0	26	52	129	0	0	113	156	28	0	0	4	49
	56	0	0	23	98										
300	39	0	0	20	74	132	0	0	92	166	22	0	0	4	76
	53	0	0	23	86										
400	38	0	0	26	59	144	0	0	118	165	22	0	0	4	53
	52	0	0	24	83										
500	51	0	0	32	85	135	0	0	77	178	47	0	0	8	84
	61	0	0	30	94										
600	48	0	0	32	77	124	0	0	98	143	38	0	0	4	70
	57	0	0	29	89										
700	26	0	0	19	37	87	0	0	73	106	10	0	0	4	30
	52	0	0	29	82										
800	28	0	0	16	39	92	0	0	60	107	10	0	0	4	35
	66	0	0	37	85										
900	41	0	0	22	69	57	0	0	35	80	22	0	0	4	55
	63	0	0	40	84										
1000	42	0	0	15	76	57	0	0	23	102	48	0	0	6	80
	68	0	0	51	83										
1100	40	0	0	12	67	47	0	0	19	72	37	0	0	4	76
	70	0	0	54	84										
1200	44	0	0	8	78	52	0	0	26	80	39	0	0	4	82
	64	0	0	46	77										
1300	47	0	0	17	86	56	0	0	26	96	41	0	0	4	72
	56	0	0	45	64										
1400	63	0	0	31	97	69	0	0	45	97	48	0	0	14	72
	41	0	0	32	47										
1500	51	0	0	21	81	66	0	0	26	96	46	0	0	4	86
	39	0	0	32	46										
1600	40	0	0	9	73	62	0	0	22	89	33	0	0	4	74
	26	0	0	19	37										
1700	41	0	0	17	68	60	0	0	26	84	30	0	0	4	75
	31	0	0	25	36										
1800	29	0	0	11	47	33	0	0	5	60	5	0	0	4	28
	29	0	0	22	36										
1900	29	0	0	15	46	31	0	0	17	48	4	0	0	4	22
	32	0	0	30	35										
2000	25	0	0	13	35	30	0	0	20	41	4	0	0	4	5
	40	0	0	34	47										
2100	11	0	0	6	24	17	0	0	3	27	4	0	0	4	5
	15	0	0	5	38										
2200	32	0	0	22	46	39	0	0	16	67	24	0	0	3	52
	40	0	0	24	56										
2300	30	0	0	23	39	120	0	0	99	144	33	0	0	4	50
	36	0	0	23	54										
2400	32	0	0	18	45	133	0	0	102	154	35	0	0	4	50
	44	0	0	31	56										

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METEOROLOGICAL DATA--CK--FOR JUNE 7, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	195	0	21	132	229	224	0	5	208	243	211	0	19	144	269
	196	0	20	95	260										
200	189	0	9	141	212	221	0	2	214	230	188	0	14	143	225
	189	0	21	85	253										
300	183	0	11	141	237	222	0	8	190	233	184	0	17	155	247
	180	0	24	109	449										
400	202	0	8	185	225	221	0	2	214	230	211	0	14	174	261
	193	0	23	111	311										
500	237	0	12	200	282	242	0	4	230	256	257	0	15	215	299
	202	0	10	135	243										
600	228	0	8	200	257	234	0	3	223	242	242	0	12	187	299
	201	0	14	147	294										
700	141	0	5	130	158	229	0	2	223	236	192	0	22	130	245
	197	0	17	131	242										
800	169	0	11	125	195	231	0	2	223	238	209	0	25	148	264
	206	0	6	179	225										
900	242	0	15	183	273	240	0	9	212	266	244	0	16	185	313
	206	0	6	189	230										
1000	269	0	25	200	483	267	0	12	219	302	265	0	18	205	317
	218	0	3	203	229										
1100	301	0	33	205	443	289	0	19	237	359	271	0	15	222	323
	216	0	2	208	222										
1200	282	0	40	115	501	290	0	18	206	371	290	0	17	239	366
	223	0	4	206	234										
1300	274	0	33	223	395	288	0	15	239	335	283	0	18	237	343
	225	0	2	217	232										
1400	249	0	18	198	295	259	0	11	233	304	272	0	22	189	318
	226	0	2	217	233										
1500	282	0	31	179	369	286	0	15	251	360	273	0	21	197	348
	356	0	3	344	363										
1600	285	0	45	81	384	307	0	16	249	344	295	0	23	236	499
	338	0	8	310	366										
1700	313	0	31	191	375	317	0	9	278	344	301	0	16	264	364
	348	0	4	328	361										
1800	347	0	39	218	419	318	0	28	195	371	303	0	42	100	380
	345	0	9	333	361										
1900	311	0	21	258	384	299	0	17	241	347	331	0	23	246	380
	0	0	2	355	364										
2000	324	0	20	271	362	316	0	8	292	334	300	0	36	214	387
	6	0	2	362	373										
2100	302	0	55	268	453	308	0	5	295	319	312	0	41	273	427
	108	0	14	430	500										
2200	94	0	5	83	111	83	0	6	419	450	96	0	5	444	472
	106	0	4	451	476										
2300	87	0	5	67	109	84	0	2	439	447	87	0	4	433	458
	95	0	8	429	472										
2400	104	0	7	75	129	102	0	2	459	468	102	0	6	451	482
	108	0	5	430	478										

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METEOROLOGICAL DATA--CK--FOR JUNE 7, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	716	0	460	0	735	0	736	0	159	0	21	0	14	0	14	0	14	0	0	0
200	668	0	448	0	734	0	734	0	156	0	64	0	14	0	14	0	14	0	0	0
300	656	0	442	0	720	0	720	0	148	0	65	0	14	0	14	0	14	0	0	0
400	646	0	444	0	694	0	694	0	133	0	51	0	14	0	14	0	14	0	0	0
500	685	0	450	0	687	0	689	0	131	0	15	0	14	0	14	0	14	0	0	0
600	674	0	452	0	679	0	680	0	127	0	8	0	14	0	14	0	14	0	0	0
700	616	0	446	0	685	0	686	0	129	0	66	0	14	0	14	0	14	0	0	0
800	653	0	473	0	691	0	687	0	141	0	30	0	14	0	14	0	14	0	0	0
900	721	0	468	0	701	0	701	0	140	0	-16	0	14	0	14	0	14	0	0	0
1000	737	0	464	0	703	0	706	0	146	0	-18	0	14	0	14	0	14	0	0	0
1100	751	0	453	0	713	0	717	0	157	0	-15	0	14	0	14	0	14	0	0	0
1200	766	0	461	0	714	0	721	0	159	0	-20	0	14	0	14	0	14	0	0	0
1300	774	0	455	0	716	0	720	0	156	0	-17	0	14	0	14	0	14	0	0	0
1400	791	0	456	0	733	0	731	0	165	0	-21	0	14	0	14	0	14	0	0	0
1500	799	0	472	0	744	0	755	0	185	0	-19	0	14	0	14	0	14	0	0	0
1600	805	0	481	0	774	0	790	0	214	0	-24	0	14	0	14	0	14	0	0	0
1700	806	0	491	0	779	0	793	0	219	0	-21	0	14	0	14	0	14	0	0	0
1800	804	0	499	0	782	0	793	0	220	0	-13	0	13	0	14	0	14	0	0	0
1900	798	0	494	0	782	0	789	0	216	0	-11	0	13	0	14	0	14	0	0	0
2000	791	0	495	0	782	0	773	0	207	0	-8	0	13	0	14	0	14	0	0	0
2100	760	0	504	0	777	0	775	0	192	0	18	0	13	0	14	0	14	0	0	0
2200	729	0	495	0	740	0	725	0	166	0	45	0	13	0	14	0	14	0	0	0
2300	707	0	506	0	712	0	704	0	151	0	60	0	14	0	14	0	14	0	0	0
2400	703	0	487	0	703	0	693	0	146	0	40	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
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3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 8, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	15	0	0	9	26	102	0	0	86	118	15	0	0	4	42
	50	0	0	36	67										
200	28	0	0	19	49	126	0	0	118	136	13	0	0	4	37
	69	0	0	50	98										
300	33	0	0	24	45	134	0	0	118	146	19	0	0	4	43
	66	0	0	34	93										
400	30	0	0	16	45	118	0	0	106	132	19	0	0	4	42
	45	0	0	28	71										
500	50	0	0	24	70	141	0	0	110	174	34	0	0	4	69
	57	0	0	27	118										
600	18	0	0	6	33	65	0	0	55	85	26	0	0	4	48
	40	0	0	26	65										
700	32	0	0	19	49	98	0	0	75	127	8	0	0	4	35
	58	0	0	28	91										
800	21	0	0	14	31	61	0	0	49	92	24	0	0	4	40
	47	0	0	21	81										
900	26	0	0	13	41	31	0	0	18	45	18	0	0	4	37
	48	0	0	27	72										
1000	27	0	0	12	49	32	0	0	9	62	14	0	0	4	42
	53	0	0	48	62										
1100	42	0	0	16	68	52	0	0	20	77	44	0	0	4	71
	51	0	0	41	61										
1200	47	0	0	19	88	46	0	0	4	89	39	0	0	4	82
	43	0	0	38	49										
1300	48	0	0	23	85	54	0	0	12	84	46	0	0	4	84
	25	0	0	15	37										
1400	40	0	0	16	60	57	0	0	37	81	26	0	0	4	54
	30	0	0	23	39										
1500	27	0	0	10	50	25	0	0	6	42	22	0	0	4	75
	44	0	0	36	55										
1600	39	0	0	12	89	53	0	0	4	130	16	0	0	4	73
	56	0	0	45	68										
1700	73	0	0	35	119	129	0	0	50	173	62	0	0	7	118
	39	0	0	19	65										
1800	56	0	0	21	115	97	0	0	52	138	51	0	0	4	121
	41	0	0	31	52										
1900	49	0	0	22	89	103	0	0	67	135	39	0	0	4	90
	29	0	0	15	47										
2000	26	0	0	16	44	87	0	0	67	104	31	0	0	8	49
	45	0	0	22	77										
2100	16	0	0	9	28	87	0	0	81	97	26	0	0	5	41
	42	0	0	30	56										
2200	12	0	0	6	19	93	0	0	89	99	16	0	0	4	35
	44	0	0	28	65										
2300	17	0	0	11	24	122	0	0	111	129	24	0	0	4	38
	43	0	0	30	69										
2400	16	0	0	10	26	114	0	0	111	119	12	0	0	4	27
	50	0	0	34	65										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 8, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	157	0	20	82	215	132	0	2	485	496	144	0	13	113	515
	116	0	4	460	490										
200	169	0	8	141	189	168	0	8	172	534	152	0	12	121	203
	126	0	6	473	506										
300	156	0	6	134	175	176	0	3	169	181	145	0	14	108	189
	131	0	14	100	508										
400	177	0	10	139	225	186	0	2	181	191	167	0	16	116	198
	136	0	15	106	247										
500	190	0	7	164	217	200	0	6	184	211	195	0	17	83	264
	164	0	27	105	513										
600	113	0	32	21	362	187	0	9	167	207	138	0	9	101	224
	116	0	10	97	176										
700	219	0	17	181	262	195	0	8	175	208	220	0	17	174	280
	131	0	12	105	225										
800	143	0	18	95	209	203	0	10	180	225	134	0	7	109	159
	194	0	24	99	479										
900	154	0	24	89	244	178	0	15	140	215	151	0	14	93	191
	206	0	8	174	227										
1000	160	0	33	60	316	179	0	18	91	243	166	0	28	75	232
	225	0	4	218	239										
1100	253	0	21	197	328	263	0	17	208	319	278	0	13	219	334
	229	0	4	216	242										
1200	233	0	39	160	344	270	0	20	146	349	286	0	18	244	361
	241	0	2	233	250										
1300	267	0	29	189	370	292	0	17	218	371	287	0	16	223	366
	272	0	15	232	303										
1400	311	0	25	256	393	313	0	11	268	337	302	0	20	252	376
	308	0	21	273	357										
1500	268	0	43	166	464	223	0	45	46	481	287	0	49	79	519
	341	0	5	329	355										
1600	253	0	55	114	402	239	0	60	47	393	299	0	37	117	459
	4	0	5	351	379										
1700	171	0	17	111	473	163	0	8	125	184	160	0	19	116	210
	348	0	12	307	377										
1800	177	0	13	142	226	174	0	6	155	197	180	0	19	110	239
	1	0	7	327	376										
1900	166	0	14	122	210	158	0	4	143	174	158	0	15	112	206
	353	0	14	298	381										
2000	147	0	14	95	195	157	0	3	147	168	137	0	8	111	173
	130	0	9	105	159										
2100	136	0	16	74	186	151	0	3	143	156	138	0	4	124	154
	131	0	6	106	152										
2200	144	0	18	99	190	158	0	4	152	164	140	0	4	115	159
	130	0	5	115	147										
2300	125	0	12	86	159	151	0	0	148	153	137	0	4	118	149
	118	0	5	102	139										
2400	159	0	14	122	192	161	0	1	157	163	144	0	6	129	167
	121	0	4	109	137										

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METEOROLOGICAL DATA--CK--FOR JUNE 8, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	681	0	482	0	699	0	687	0	144	0	46	0	14	0	14	0	14	0	0	0
200	667	0	487	0	690	0	684	0	139	0	51	0	14	0	14	0	14	0	0	0
300	665	0	485	0	694	0	692	0	141	0	45	0	14	0	14	0	14	0	0	0
400	658	0	482	0	698	0	694	0	143	0	35	0	14	0	14	0	14	0	0	0
500	650	0	481	0	688	0	682	0	136	0	37	0	14	0	14	0	14	0	0	0
600	635	0	474	0	683	0	679	0	136	0	55	0	14	0	14	0	14	0	0	0
700	650	0	482	0	671	0	669	0	130	0	44	0	14	0	14	0	14	0	0	0
800	672	0	499	0	715	0	714	0	156	0	19	0	14	0	14	0	14	0	0	0
900	712	0	515	0	726	0	726	0	163	0	-10	0	14	0	14	0	14	0	0	0
1000	761	0	534	0	740	0	729	0	177	0	-14	0	14	0	14	0	14	0	1	0
1100	770	0	501	0	727	0	728	0	178	0	-20	0	14	0	14	0	14	0	0	0
1200	792	0	502	0	727	0	734	0	182	0	-20	0	14	0	14	0	14	0	0	0
1300	789	0	509	0	719	0	725	0	179	0	-20	0	14	0	14	0	14	0	0	0
1400	773	0	504	0	708	0	716	0	177	0	-18	0	14	0	14	0	14	0	0	0
1500	813	0	515	0	726	0	744	0	189	0	-16	0	14	0	14	0	14	0	0	0
1600	802	0	519	0	727	0	737	0	179	0	-18	0	13	0	14	0	14	0	0	0
1700	812	0	513	0	742	0	751	0	193	0	-17	0	13	0	14	0	14	0	0	0
1800	804	0	522	0	748	0	749	0	191	0	-12	0	13	0	14	0	14	0	0	0
1900	791	0	520	0	753	0	756	0	192	0	-8	0	13	0	14	0	14	0	0	0
2000	771	0	516	0	786	0	791	0	202	0	2	0	13	0	14	0	14	0	0	0
2100	743	0	506	0	765	0	765	0	185	0	24	0	13	0	14	0	14	0	0	0
2200	722	0	500	0	743	0	736	0	170	0	43	0	13	0	14	0	14	0	0	0
2300	700	0	503	0	720	0	713	0	158	0	52	0	14	0	14	0	14	0	0	0
2400	688	0	496	0	707	0	702	0	151	0	48	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 9, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	13	0	0	10	18	105	0	0	95	112	7	0	0	4	25
	52	0	0	36	70										
200	29	0	0	6	92	82	0	0	41	152	20	0	0	4	79
	49	0	0	10	103										
300	18	0	0	12	26	29	0	0	23	38	11	0	0	4	32
	38	0	0	28	51										
400	12	0	0	6	20	29	0	0	23	35	4	0	0	4	5
	44	0	0	33	59										
500	34	0	0	25	47	80	0	0	69	90	16	0	0	4	37
	33	0	0	21	46										
600	40	0	0	12	87	120	0	0	83	146	26	0	0	4	61
	105	0	0	84	132										
700	51	0	0	24	92	117	0	0	80	135	27	0	0	4	57
	116	0	0	99	136										
800	73	0	0	39	132	140	0	0	88	191	40	0	0	6	102
	164	0	0	129	197										
900	97	0	0	40	176	158	0	0	93	228	56	0	0	6	135
	190	0	0	157	228										
1000	94	0	0	45	159	170	0	0	80	233	46	0	0	5	120
	190	0	0	153	227										
1100	87	0	0	36	158	148	0	0	82	212	44	0	0	4	137
	198	0	0	164	229										
1200	93	0	0	42	186	164	0	0	75	227	53	0	0	7	141
	182	0	0	152	222										
1300	64	0	0	24	132	146	0	0	93	194	36	0	0	4	88
	140	0	0	119	161										
1400	55	0	0	16	128	131	0	0	71	206	44	0	0	4	94
	136	0	0	115	161										
1500	55	0	0	24	102	99	0	0	50	154	36	0	0	4	93
	118	0	0	94	146										
1600	62	0	0	26	118	108	0	0	57	160	44	0	0	4	97
	113	0	0	87	134										
1700	85	0	0	31	152	132	0	0	80	198	48	0	0	4	129
	132	0	0	107	159										
1800	74	0	0	23	152	148	0	0	78	208	34	0	0	4	104
	168	0	0	135	200										
1900	64	0	0	32	126	131	0	0	57	209	36	0	0	4	91
	167	0	0	138	197										
2000	75	0	0	26	131	162	0	0	102	217	38	0	0	4	110
	175	0	0	144	202										
2100	70	0	0	23	144	168	0	0	119	212	47	0	0	4	105
	175	0	0	142	202										
2200	64	0	0	17	134	159	0	0	101	217	48	0	0	5	110
	169	0	0	136	198										
2300	65	0	0	21	121	118	0	0	61	169	42	0	0	4	109
	150	0	0	129	174										
2400	64	0	0	32	137	110	0	0	67	175	35	0	0	4	109
	160	0	0	131	195										

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METEOROLOGICAL DATA--CK--FOR JUNE 9, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	143	0	23	116	185	167	0	1	164	170	140	0	10	119	168
	123	0	5	107	142										
200	304	0	31	10	374	194	0	50	158	294	299	0	33	52	322
	252	0	68	102	508										
300	99	0	31	34	133	232	0	4	221	243	123	0	17	18	138
	125	0	6	111	144										
400	129	0	13	107	155	170	0	8	156	185	131	0	8	464	509
	121	0	5	105	141										
500	261	0	8	237	295	253	0	4	243	263	260	0	9	232	281
	220	0	10	172	238										
600	322	0	33	102	428	328	0	6	316	350	321	0	22	266	403
	348	0	7	330	368										
700	327	0	17	275	408	337	0	4	321	350	314	0	26	237	411
	355	0	7	337	369										
800	342	0	16	277	382	339	0	6	318	359	323	0	36	121	436
	353	0	5	339	367										
900	359	0	12	322	404	350	0	7	331	374	358	0	26	34	454
	359	0	3	348	367										
1000	347	0	16	281	437	340	0	7	310	362	329	0	31	187	412
	349	0	4	338	361										
1100	353	0	17	294	401	343	0	9	316	368	332	0	37	87	454
	351	0	3	338	360										
1200	349	0	15	276	402	341	0	7	305	362	328	0	33	179	444
	349	0	3	337	356										
1300	317	0	26	224	461	320	0	7	298	348	316	0	24	145	390
	326	0	6	311	344										
1400	328	0	30	88	429	324	0	7	294	341	310	0	21	252	403
	334	0	5	317	348										
1500	352	0	16	296	397	343	0	9	310	368	341	0	28	233	446
	348	0	5	332	362										
1600	353	0	26	214	424	344	0	10	318	369	355	0	29	50	437
	349	0	7	331	367										
1700	355	0	15	290	418	346	0	7	325	369	340	0	30	81	442
	351	0	4	335	361										
1800	346	0	24	100	445	337	0	7	313	362	322	0	38	158	485
	344	0	4	335	356										
1900	342	0	20	253	415	330	0	7	304	355	321	0	26	231	452
	338	0	5	328	351										
2000	337	0	19	265	386	328	0	5	310	343	323	0	29	80	447
	336	0	4	325	346										
2100	319	0	27	205	402	318	0	6	297	338	308	0	19	255	412
	326	0	4	317	341										
2200	320	0	31	78	475	318	0	6	304	337	314	0	21	250	380
	322	0	6	309	340										
2300	348	0	15	264	396	343	0	7	312	367	338	0	28	213	520
	352	0	4	340	361										
2400	353	0	17	298	411	346	0	9	323	383	345	0	32	83	494
	356	0	4	343	365										

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METEOROLOGICAL DATA--CK--FOR JUNE 9, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	673	0	490	0	692	0	685	0	144	0	53	0	14	0	14	0	14	0	0	0
200	651	0	491	0	682	0	675	0	141	0	43	0	14	0	14	0	14	0	0	0
300	652	0	485	0	678	0	666	0	138	0	52	0	14	0	14	0	14	0	0	0
400	636	0	481	0	657	0	640	0	127	0	58	0	14	0	14	0	14	0	0	0
500	647	0	480	0	651	0	650	0	133	0	25	0	14	0	14	0	14	0	0	0
600	601	0	471	0	598	0	599	0	101	0	-10	0	14	0	14	0	14	0	0	0
700	585	0	454	0	586	0	588	0	93	0	-13	0	14	0	14	0	14	0	0	0
800	575	0	448	0	573	0	576	0	90	0	-21	0	14	0	14	0	14	0	0	0
900	578	0	440	0	576	0	581	0	87	0	-19	0	14	0	14	0	14	0	0	0
1000	570	0	433	0	567	0	573	0	81	0	-20	0	14	0	14	0	14	0	0	0
1100	563	0	418	0	558	0	565	0	71	0	-20	0	14	0	14	0	14	0	0	0
1200	557	0	410	0	555	0	563	0	66	0	-19	0	14	0	14	0	14	0	0	0
1300	552	0	400	0	547	0	553	0	57	0	-19	0	14	0	14	0	14	0	0	0
1400	554	0	397	0	555	0	561	0	58	0	-18	0	14	0	14	0	14	0	0	0
1500	561	0	400	0	563	0	568	0	62	0	-15	0	14	0	14	0	14	0	0	0
1600	578	0	411	0	567	0	577	0	69	0	-22	0	14	0	14	0	14	0	0	0
1700	575	0	408	0	570	0	580	0	71	0	-19	0	14	0	14	0	14	0	0	0
1800	566	0	399	0	560	0	569	0	63	0	-19	0	14	0	14	0	14	0	0	0
1900	552	0	391	0	552	0	560	0	56	0	-15	0	14	0	14	0	14	0	0	0
2000	551	0	385	0	556	0	563	0	55	0	-13	0	14	0	14	0	14	0	0	0
2100	553	0	373	0	559	0	566	0	55	0	-11	0	14	0	14	0	14	0	0	0
2200	550	0	386	0	555	0	561	0	56	0	-12	0	14	0	14	0	14	0	0	0
2300	532	0	400	0	534	0	538	0	54	0	-17	0	14	0	14	0	14	0	0	0
2400	523	0	393	0	525	0	531	0	48	0	-17	0	14	0	14	0	14	0	0	0

DATA CODES
0=GOOD DATA
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3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 10, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	68	0	0	26	125	130	0	0	65	201	38	0	0	4	105
	163	0	0	127	205										
200	72	0	0	33	139	133	0	0	77	175	27	0	0	4	93
	158	0	0	129	188										
300	58	0	0	27	113	109	0	0	50	156	32	0	0	4	116
	146	0	0	122	173										
400	61	0	0	31	117	118	0	0	64	181	27	0	0	4	92
	139	0	0	115	170										
500	60	0	0	21	107	127	0	0	67	193	29	0	0	4	94
	146	0	0	120	174										
600	65	0	0	27	123	122	0	0	73	172	32	0	0	4	101
	156	0	0	129	185										
700	63	0	0	25	114	130	0	0	77	178	34	0	0	4	87
	147	0	0	125	169										
800	70	0	0	29	123	135	0	0	85	182	25	0	0	4	85
	150	0	0	125	168										
900	59	0	0	20	117	135	0	0	83	189	38	0	0	4	96
	155	0	0	133	183										
1000	60	0	0	16	128	128	0	0	78	184	36	0	0	4	88
	152	0	0	130	176										
1100	68	0	0	20	136	127	0	0	79	176	51	0	0	5	112
	145	0	0	120	166										
1200	68	0	0	19	138	118	0	0	73	178	48	0	0	8	111
	126	0	0	105	154										
1300	64	0	0	22	133	115	0	0	35	177	51	0	0	4	107
	114	0	0	92	133										
1400	74	0	0	28	137	113	0	0	56	147	47	0	0	4	140
	101	0	0	84	120										
1500	68	0	0	20	119	125	0	0	77	169	57	0	0	5	122
	110	0	0	91	131										
1600	69	0	0	19	114	104	0	0	69	152	56	0	0	5	113
	97	0	0	79	119										
1700	60	0	0	21	112	97	0	0	49	137	50	0	0	7	104
	96	0	0	84	120										
1800	54	0	0	21	106	101	0	0	63	123	48	0	0	7	129
	85	0	0	73	98										
1900	46	0	0	16	100	75	0	0	24	103	42	0	0	4	90
	65	0	0	54	81										
2000	38	0	0	17	66	57	0	0	35	78	20	0	0	4	61
	54	0	0	45	69										
2100	26	0	0	13	38	36	0	0	25	43	7	0	0	4	35
	19	0	0	11	28										
2200	22	0	0	16	34	49	0	0	41	57	4	0	0	4	19
	17	0	0	10	28										
2300	23	0	0	11	35	42	0	0	22	60	7	0	0	4	29
	25	0	0	5	41										
2400	9	0	0	6	15	35	0	0	30	40	4	0	0	4	5
	42	0	0	28	56										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 10, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	356	0	17	312	448	350	0	6	326	366	349	0	33	126	464
	358	0	4	345	369										
200	348	0	19	96	411	340	0	6	316	360	343	0	39	31	480
	352	0	4	340	361										
300	345	0	20	239	411	340	0	6	318	361	330	0	30	230	457
	349	0	6	336	365										
400	349	0	15	301	411	340	0	7	323	360	326	0	36	103	448
	347	0	7	333	364										
500	342	0	19	245	399	336	0	6	320	362	333	0	39	116	473
	349	0	4	335	359										
600	349	0	17	279	405	340	0	7	315	360	338	0	37	134	489
	348	0	4	335	359										
700	345	0	20	72	421	340	0	8	321	369	338	0	38	48	464
	346	0	4	336	357										
800	342	0	18	248	398	335	0	6	315	359	325	0	33	114	467
	340	0	5	327	352										
900	334	0	25	212	409	325	0	8	304	351	324	0	26	194	439
	335	0	4	319	346										
1000	344	0	26	157	485	330	0	11	297	351	321	0	31	170	438
	337	0	7	319	351										
1100	340	0	32	58	444	327	0	8	300	349	313	0	26	223	423
	339	0	4	327	350										
1200	338	0	27	259	471	330	0	12	302	357	323	0	33	196	434
	341	0	4	332	353										
1300	322	0	30	172	391	327	0	13	280	362	311	0	30	216	434
	340	0	4	328	348										
1400	329	0	34	73	395	317	0	15	270	356	313	0	32	61	481
	331	0	5	319	344										
1500	332	0	32	135	404	322	0	11	290	355	305	0	24	81	423
	332	0	5	315	343										
1600	342	0	28	132	426	332	0	13	297	364	303	0	23	165	405
	339	0	5	324	350										
1700	344	0	22	252	402	327	0	13	294	367	308	0	26	162	460
	342	0	4	332	352										
1800	300	0	29	137	380	312	0	7	299	350	304	0	18	251	388
	327	0	4	316	337										
1900	301	0	34	141	404	309	0	15	217	358	294	0	19	229	481
	318	0	6	304	333										
2000	337	0	28	154	427	325	0	10	289	354	311	0	34	37	454
	341	0	6	323	355										
2100	262	0	14	234	312	285	0	7	270	307	282	0	12	247	323
	300	0	20	241	336										
2200	269	0	13	252	318	306	0	5	294	316	279	0	21	234	320
	301	0	39	242	374										
2300	174	0	29	103	239	265	0	11	253	321	148	0	33	81	222
	136	0	22	69	231										
2400	197	0	34	131	259	338	0	6	328	349	76	0	66	345	507
	128	0	3	114	140										

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METEOROLOGICAL DATA--CK--FOR JUNE 10, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	519	0	387	0	523	0	528	0	44	0	-18	0	14	0	14	0	14	0	0	0
200	516	0	381	0	522	0	526	0	42	0	-17	0	14	0	14	0	14	0	0	0
300	516	0	377	0	523	0	527	0	39	0	-15	0	14	0	14	0	14	0	0	0
400	518	0	374	0	525	0	529	0	39	0	-14	0	14	0	14	0	14	0	0	0
500	520	0	379	0	527	0	531	0	42	0	-14	0	14	0	14	0	14	0	0	0
600	524	0	382	0	532	0	536	0	46	0	-14	0	14	0	14	0	14	0	0	0
700	528	0	377	0	536	0	540	0	44	0	-13	0	14	0	14	0	14	0	0	0
800	536	0	373	0	542	0	547	0	44	0	-13	0	14	0	14	0	14	0	0	0
900	541	0	371	0	544	0	549	0	46	0	-14	0	14	0	14	0	14	0	0	0
1000	548	0	372	0	541	0	549	0	45	0	-19	0	14	0	14	0	14	0	0	0
1100	559	0	382	0	537	0	548	0	49	0	-27	0	14	0	14	0	14	0	0	0
1200	561	0	379	0	533	0	547	0	47	0	-31	0	14	0	14	0	14	0	0	0
1300	561	0	391	0	530	0	546	0	46	0	-30	0	14	0	14	0	14	0	0	0
1400	558	0	386	0	527	0	543	0	45	0	-28	0	14	0	14	0	14	0	0	0
1500	550	0	379	0	521	0	538	0	41	0	-33	0	14	0	14	0	14	0	0	0
1600	545	0	375	0	517	0	537	0	42	0	-28	0	14	0	14	0	14	0	0	0
1700	556	0	380	0	530	0	547	0	48	0	-28	0	14	0	14	0	14	0	0	0
1800	563	0	376	0	542	0	556	0	55	0	-27	0	14	0	14	0	14	0	0	0
1900	562	0	379	0	548	0	561	0	61	0	-21	0	14	0	14	0	14	0	0	0
2000	557	0	377	0	553	0	563	0	62	0	-13	0	14	0	14	0	14	0	0	0
2100	548	0	371	0	555	0	562	0	51	0	-9	0	14	0	14	0	14	0	0	0
2200	511	0	364	0	546	0	541	0	39	0	28	0	14	0	14	0	14	0	0	0
2300	482	0	353	0	527	0	509	0	34	0	56	0	14	0	14	0	14	0	0	0
2400	478	0	348	0	504	0	483	0	21	0	75	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 11, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	20	0	0	12	37	45	0	0	29	63	5	0	0	4	26
	41	0	0	19	54										
200	20	0	0	13	26	22	0	0	15	29	11	0	0	4	30
	62	0	0	39	73										
300	23	0	0	16	31	46	0	0	35	58	20	0	0	4	40
	54	0	0	43	66										
400	14	0	0	7	25	39	0	0	36	43	5	0	0	4	21
	52	0	0	37	69										
500	19	0	0	8	28	55	0	0	45	63	4	0	0	4	4
	42	0	0	29	65										
600	15	0	0	8	24	48	0	0	42	53	4	0	0	4	12
	51	0	0	38	66										
700	14	0	0	10	18	46	0	0	37	54	4	0	0	4	4
	45	0	0	34	54										
800	21	0	0	10	33	63	0	0	54	71	7	0	0	4	33
	26	0	0	15	40										
900	35	0	0	17	47	36	0	0	16	52	19	0	0	4	46
	22	0	0	6	30										
1000	42	0	0	20	81	59	0	0	31	83	35	0	0	4	81
	36	0	0	23	58										
1100	55	0	0	22	99	77	0	0	36	118	56	0	0	14	93
	46	0	0	18	91										
1200	57	0	0	18	112	86	0	0	37	134	65	0	0	8	122
	49	0	0	29	64										
1300	55	0	0	16	100	79	0	0	32	129	58	0	0	10	120
	57	0	0	41	72										
1400	50	0	0	23	103	61	0	0	20	99	47	0	0	6	106
	77	0	0	50	92										
1500	37	0	0	15	72	40	0	0	4	80	17	0	0	4	66
	92	0	0	69	111										
1600	63	0	0	14	105	83	0	0	55	117	37	0	0	4	92
	96	0	0	75	112										
1700	46	0	0	20	72	61	0	0	47	79	17	0	0	4	55
	81	0	0	66	91										
1800	29	0	0	11	48	34	0	0	21	50	13	0	0	4	52
	103	0	0	86	116										
1900	28	0	0	12	52	33	0	0	20	45	8	0	0	4	38
	86	0	0	52	99										
2000	28	0	0	19	40	9	0	0	2	26	7	0	0	4	40
	63	0	0	19	88										
2100	38	0	0	30	46	70	0	0	60	83	6	0	0	4	28
	32	0	0	22	45										
2200	33	0	0	24	45	93	0	0	85	103	8	0	0	4	35
	30	0	0	20	44										
2300	31	0	0	22	44	95	0	0	90	104	6	0	0	4	38
	37	0	0	27	58										
2400	27	0	0	18	38	91	0	0	63	118	23	0	0	4	48
	40	0	0	21	66										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 11, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	190	0	9	149	205	261	0	13	242	293	161	0	38	87	220
	136	0	6	111	174										
200	120	0	25	77	164	354	0	12	330	365	126	0	17	82	151
	127	0	4	108	136										
300	97	0	21	63	133	52	0	1	406	414	102	0	12	86	135
	110	0	2	104	117										
400	161	0	22	105	199	88	0	4	439	453	129	0	12	104	151
	128	0	5	112	142										
500	99	0	11	84	141	89	0	4	441	461	100	0	6	83	122
	115	0	4	100	129										
600	143	0	16	113	171	103	0	3	459	475	104	0	17	84	142
	128	0	4	113	144										
700	212	0	28	176	255	90	0	2	442	454	251	0	34	200	292
	121	0	5	111	134										
800	104	0	23	69	517	99	0	5	448	469	99	0	12	70	144
	96	0	17	46	131										
900	89	0	21	72	488	101	0	12	429	494	109	0	20	60	517
	349	0	24	204	392										
1000	137	0	24	46	519	133	0	9	461	513	133	0	21	89	202
	346	0	21	260	371										
1100	131	0	24	60	224	131	0	16	98	174	136	0	16	83	173
	311	0	25	190	349										
1200	154	0	27	41	367	146	0	19	87	217	162	0	17	113	202
	323	0	9	297	348										
1300	168	0	29	58	282	152	0	20	94	191	146	0	26	78	216
	346	0	12	324	367										
1400	107	0	40	32	514	116	0	29	48	488	147	0	32	79	517
	0	0	3	350	372										
1500	70	0	79	30	492	165	0	52	78	425	288	0	62	97	491
	0	0	2	353	366										
1600	343	0	16	241	389	335	0	5	317	351	335	0	28	238	475
	2	0	1	357	368										
1700	337	0	17	287	407	331	0	7	313	348	344	0	18	264	398
	4	0	1	360	368										
1800	329	0	22	161	463	348	0	10	315	381	340	0	33	220	474
	8	0	1	362	373										
1900	342	0	17	290	380	1	0	9	332	385	353	0	31	236	437
	8	0	4	362	386										
2000	302	0	31	249	353	61	0	36	267	482	348	0	35	260	382
	11	0	6	362	417										
2100	48	0	4	392	419	70	0	3	421	441	40	0	14	284	476
	102	0	9	71	136										
2200	63	0	4	407	438	76	0	3	426	442	77	0	10	407	488
	94	0	13	59	144										
2300	78	0	11	409	470	110	0	4	461	481	85	0	7	428	467
	109	0	9	62	122										
2400	95	0	13	426	484	124	0	2	475	490	103	0	9	441	487
	107	0	8	63	124										

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METEOROLOGICAL DATA--CK--FOR JUNE 11, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	472	0	345	0	506	0	485	0	25	0	81	0	14	0	14	0	14	0	0	0
200	462	0	336	0	486	0	467	0	12	0	103	0	14	0	14	0	14	0	0	0
300	456	0	331	0	475	0	456	0	6	0	108	0	14	0	14	0	14	0	0	0
400	451	0	326	0	470	0	455	0	2	0	108	0	14	0	14	0	14	0	0	0
500	443	0	316	0	465	0	454	0	0	0	95	0	14	0	14	0	14	0	0	0
600	446	0	320	0	462	0	447	0	-2	0	93	0	14	0	14	0	14	0	0	0
700	452	0	328	0	471	0	450	0	2	0	99	0	14	0	14	0	14	0	0	0
800	490	0	365	0	503	0	492	0	28	0	33	0	14	0	14	0	14	0	0	0
900	558	0	392	0	535	0	530	0	44	0	-12	0	14	0	14	0	14	0	0	0
1000	623	0	417	0	577	0	579	0	76	0	-17	0	14	0	14	0	14	0	0	0
1100	661	0	418	0	603	0	606	0	96	0	-23	0	14	0	14	0	14	0	0	0
1200	682	0	427	0	600	0	612	0	99	0	-26	0	14	0	14	0	14	0	0	0
1300	696	0	421	0	609	0	624	0	104	0	-26	0	14	0	14	0	14	0	0	0
1400	708	0	418	0	608	0	627	0	105	0	-21	0	14	0	14	0	14	0	0	0
1500	716	0	436	0	611	0	631	0	108	0	-18	0	14	0	14	0	14	0	0	0
1600	676	0	455	0	614	0	637	0	114	0	-22	0	14	0	14	0	14	0	0	0
1700	673	0	447	0	618	0	632	0	111	0	-17	0	14	0	14	0	14	0	0	0
1800	668	0	458	0	626	0	636	0	108	0	-11	0	14	0	14	0	14	0	0	0
1900	677	0	448	0	614	0	625	0	104	0	-5	0	14	0	14	0	14	0	0	0
2000	669	0	455	0	614	0	616	0	101	0	10	0	14	0	14	0	14	0	0	0
2100	661	0	455	0	667	0	666	0	120	0	26	0	14	0	14	0	14	0	0	0
2200	641	0	445	0	653	0	653	0	111	0	24	0	14	0	14	0	14	0	0	0
2300	642	0	446	0	653	0	653	0	112	0	37	0	14	0	14	0	14	0	0	0
2400	648	0	433	0	658	0	655	0	110	0	27	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR JUNE 12, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	37	0	0	22	54	101	0	0	66	125	55	0	0	14	74
	59	0	0	39	84										
200	32	0	0	22	45	92	0	0	66	114	44	0	0	6	66
	53	0	0	32	77										
300	36	0	0	23	51	87	0	0	65	112	37	0	0	5	55
	44	0	0	26	67										
400	39	0	0	21	59	90	0	0	62	115	48	0	0	4	76
	42	0	0	26	73										
500	44	0	0	24	72	105	0	0	70	137	58	0	0	20	87
	69	0	0	41	105										
600	43	0	0	25	73	112	0	0	57	152	66	0	0	22	109
	55	0	0	32	96										
700	51	0	0	25	84	137	0	0	105	163	66	0	0	34	98
	55	0	0	30	94										
800	58	0	0	25	100	127	0	0	79	163	87	0	0	36	142
	87	0	0	47	158										
900	78	0	0	35	137	154	0	0	69	237	95	0	0	40	146
	89	0	0	36	169										
1000	67	0	0	30	110	130	0	0	68	185	94	0	0	38	136
	86	0	0	51	132										
1100	72	0	0	30	116	136	0	0	69	201	99	0	0	40	167
	91	0	0	58	126										
1200	62	0	0	34	123	134	0	0	80	185	95	0	0	38	171
	83	0	0	49	119										
1300	74	0	0	40	162	146	0	0	78	221	110	0	0	65	176
	117	0	0	74	186										
1400	73	0	0	28	136	148	0	0	58	218	91	0	0	51	188
	97	0	0	56	159										
1500	69	0	0	29	120	124	0	0	69	177	93	0	0	43	146
	86	0	0	50	136										
1600	41	0	0	17	90	81	0	0	40	120	48	0	0	18	90
	80	0	0	53	123										
1700	29	0	0	9	58	59	0	0	26	82	41	0	0	4	77
	77	0	0	45	129										
1800	13	0	0	6	23	34	0	0	18	50	19	0	0	4	35
	40	0	0	19	70										
1900	53	0	0	26	101	103	0	0	72	135	58	0	0	24	100
	77	0	0	50	105										
2000	59	0	0	21	95	115	0	0	72	157	56	0	0	14	96
	77	0	0	61	92										
2100	48	0	0	27	75	110	0	0	78	145	62	0	0	32	86
	69	0	0	55	88										
2200	39	0	0	16	70	107	0	0	76	131	56	0	0	30	85
	54	0	0	34	72										
2300	35	0	0	15	54	102	0	0	76	120	51	0	0	36	74
	55	0	0	42	69										
2400	31	0	0	12	51	99	0	0	76	116	47	0	0	28	72
	52	0	0	25	67										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 12, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	119	0	9	451	516	126	0	1	479	490	119	0	7	452	493
	113	0	5	99	130										
200	106	0	9	72	139	121	0	2	470	488	107	0	6	447	487
	110	0	7	76	124										
300	86	0	8	61	113	122	0	2	473	491	94	0	6	427	485
	108	0	6	85	120										
400	98	0	11	68	138	123	0	4	470	494	100	0	10	430	499
	105	0	14	49	130										
500	120	0	10	89	155	132	0	3	481	503	126	0	7	101	142
	118	0	5	100	135										
600	106	0	12	72	145	118	0	3	464	494	116	0	7	91	133
	109	0	13	40	132										
700	93	0	13	39	143	98	0	4	447	470	102	0	11	69	132
	111	0	10	50	134										
800	121	0	13	74	214	126	0	5	469	497	126	0	6	102	149
	125	0	8	90	162										
900	127	0	13	74	169	130	0	4	472	501	131	0	8	97	153
	129	0	11	98	192										
1000	122	0	12	75	174	124	0	4	471	496	129	0	8	97	154
	121	0	10	84	160										
1100	123	0	11	78	152	124	0	4	462	494	126	0	9	89	149
	121	0	8	88	150										
1200	113	0	12	74	152	115	0	5	456	490	123	0	9	89	143
	118	0	7	94	156										
1300	123	0	14	74	170	123	0	5	466	498	129	0	9	102	149
	122	0	8	96	158										
1400	131	0	15	57	216	131	0	4	474	505	132	0	9	96	156
	131	0	10	109	168										
1500	125	0	15	79	381	127	0	4	473	503	124	0	9	95	144
	119	0	8	100	155										
1600	138	0	19	90	497	135	0	6	480	516	136	0	11	102	170
	119	0	6	102	139										
1700	114	0	28	102	503	127	0	7	459	514	121	0	14	64	161
	120	0	7	101	139										
1800	109	0	42	46	528	155	0	12	137	527	131	0	19	83	172
	145	0	22	98	219										
1900	243	0	15	207	283	247	0	7	227	273	261	0	14	206	307
	207	0	5	177	221										
2000	243	0	13	189	277	252	0	6	233	270	261	0	13	202	297
	215	0	3	203	227										
2100	259	0	13	218	289	266	0	5	251	280	278	0	10	238	310
	220	0	5	207	237										
2200	260	0	17	224	307	271	0	5	254	287	277	0	7	256	302
	226	0	9	201	252										
2300	256	0	15	193	297	275	0	3	265	291	278	0	8	252	305
	213	0	7	189	242										
2400	267	0	23	203	330	280	0	5	268	291	280	0	11	251	317
	220	0	13	201	276										

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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 12, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	660	0	417	0	669	0	669	0	113	0	9	0	14	0	14	0	14	0	0	0
200	655	0	418	0	662	0	662	0	110	0	7	0	14	0	14	0	14	0	0	0
300	641	0	423	0	653	0	654	0	106	0	16	0	14	0	14	0	14	0	0	0
400	647	0	432	0	650	0	650	0	106	0	7	0	14	0	14	0	14	0	0	0
500	642	0	446	0	645	0	644	0	108	0	2	0	14	0	14	0	14	0	0	0
600	622	0	451	0	624	0	623	0	104	0	1	0	14	0	14	0	14	0	0	0
700	613	0	460	0	615	0	617	0	104	0	-2	0	14	0	14	0	14	0	0	0
800	625	0	461	0	628	0	629	0	109	0	-6	0	14	0	14	0	14	0	0	0
900	619	0	467	0	618	0	620	0	107	0	-12	0	14	0	14	0	14	0	0	0
1000	614	0	485	0	604	0	608	0	114	0	-18	0	14	0	14	0	14	0	4	0
1100	617	0	490	0	605	0	610	0	119	0	-20	0	14	0	14	0	14	0	3	0
1200	611	0	489	0	595	0	598	0	116	0	-21	0	14	0	14	0	14	0	12	0
1300	627	0	502	0	614	0	619	0	127	0	-22	0	14	0	14	0	14	0	1	0
1400	634	0	505	0	627	0	633	0	133	0	-17	0	14	0	14	0	14	0	1	0
1500	627	0	508	0	613	0	617	0	132	0	-25	0	14	0	14	0	14	0	6	0
1600	627	0	506	0	609	0	615	0	130	0	-24	0	14	0	14	0	14	0	3	0
1700	628	0	510	0	610	0	614	0	133	0	-27	0	14	0	14	0	14	0	5	0
1800	636	0	516	0	628	0	632	0	145	0	-22	0	14	0	14	0	14	0	0	0
1900	648	0	530	0	610	0	615	0	131	0	-24	0	14	0	14	0	14	0	0	0
2000	633	0	517	0	592	0	598	0	123	0	-25	0	14	0	14	0	14	0	0	0
2100	638	0	520	0	602	0	605	0	127	0	-19	0	14	0	14	0	14	0	1	0
2200	639	0	521	0	607	0	612	0	130	0	-16	0	14	0	14	0	14	0	0	0
2300	627	0	509	0	599	0	602	0	125	0	-11	0	14	0	14	0	14	0	0	0
2400	623	0	504	0	599	0	601	0	125	0	-4	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 13, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	21	0	0	6	43	98	0	0	72	115	12	0	0	4	35
	29	0	0	13	45										
200	14	0	0	6	22	55	0	0	42	72	11	0	0	4	22
	6	0	0	5	29										
300	17	0	0	6	27	14	0	0	2	21	10	0	0	4	32
	23	0	0	15	34										
400	27	0	0	18	40	60	0	0	48	72	36	0	0	20	48
	51	0	0	26	66										
500	20	0	0	8	37	66	0	0	35	96	21	0	0	4	53
	48	0	0	24	83										
600	24	0	0	7	44	65	0	0	50	74	31	0	0	4	55
	36	0	0	16	57										
700	31	0	0	15	49	61	0	0	28	93	30	0	0	4	53
	38	0	0	14	69										
800	23	0	0	12	31	44	0	0	37	53	11	0	0	4	26
	15	0	0	5	32										
900	34	0	0	18	52	48	0	0	22	82	17	0	0	4	49
	50	0	0	39	63										
1000	32	0	0	11	75	44	0	0	19	96	27	0	0	11	48
	26	0	0	21	34										
1100	54	0	0	15	109	100	0	0	67	134	36	0	0	12	83
	108	0	0	90	129										
1200	35	0	0	16	67	58	0	0	26	88	34	0	0	6	73
	30	0	0	22	44										
1300	45	0	0	15	72	57	0	0	38	84	34	0	0	5	69
	41	0	0	28	50										
1400	60	0	0	29	107	91	0	0	32	144	91	0	0	31	135
	98	0	0	81	116										
1500	67	0	0	20	123	89	0	0	34	135	28	0	0	4	92
	72	0	0	61	87										
1600	52	0	0	17	94	77	0	0	28	137	22	0	0	4	64
	73	0	0	52	90										
1700	42	0	0	15	74	55	0	0	37	85	19	0	0	4	69
	49	0	0	36	62										
1800	43	0	0	17	72	66	0	0	30	94	14	0	0	4	61
	52	0	0	36	68										
1900	42	0	0	17	81	64	0	0	37	95	22	0	0	4	63
	54	0	0	46	63										
2000	27	0	0	15	48	36	0	0	18	63	5	0	0	4	25
	52	0	0	45	61										
2100	23	0	0	13	43	37	0	0	26	47	5	0	0	4	32
	46	0	0	39	55										
2200	10	0	0	6	66	48	0	0	41	54	4	0	0	4	5
	19	0	0	10	35										
2300	20	0	0	8	32	59	0	0	50	64	5	0	0	4	19
	20	0	0	5	45										
2400	27	0	0	14	37	67	0	0	58	78	5	0	0	4	29
	23	0	0	12	34										

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METEOROLOGICAL DATA--CK--FOR JUNE 13, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	307	0	40	174	424	312	0	2	302	319	305	0	23	260	423
	298	0	37	166	482										
200	223	0	35	126	338	317	0	3	305	326	237	0	34	160	284
	320	0	28	236	358										
300	92	0	32	256	487	66	0	40	338	476	113	0	40	40	220
	92	0	33	15	481										
400	121	0	10	87	150	130	0	4	470	498	121	0	9	89	142
	108	0	6	433	484										
500	88	0	47	29	372	127	0	3	478	493	117	0	44	43	462
	109	0	14	403	490										
600	100	0	29	24	267	95	0	4	444	461	111	0	20	86	504
	106	0	22	377	488										
700	37	0	46	26	410	76	0	29	25	414	55	0	50	327	505
	20	0	33	23	408										
800	35	0	14	360	438	27	0	4	379	397	53	0	37	22	482
	54	0	45	248	494										
900	3	0	19	262	407	350	0	10	314	372	354	0	37	220	433
	8	0	4	355	382										
1000	273	0	25	180	339	296	0	12	262	320	282	0	21	212	355
	252	0	21	217	290										
1100	336	0	27	79	449	326	0	6	300	344	311	0	25	230	378
	343	0	5	330	352										
1200	308	0	30	233	409	304	0	11	270	334	310	0	24	238	385
	312	0	15	286	353										
1300	281	0	20	119	342	293	0	10	246	323	293	0	25	244	403
	298	0	11	268	317										
1400	262	0	20	217	359	275	0	10	251	314	281	0	11	247	332
	271	0	6	256	290										
1500	355	0	18	231	414	340	0	10	295	357	327	0	40	208	462
	359	0	4	341	368										
1600	345	0	25	151	408	333	0	8	277	358	303	0	32	94	493
	358	0	5	343	370										
1700	332	0	25	255	448	327	0	8	304	346	304	0	26	27	383
	348	0	7	330	364										
1800	349	0	21	233	452	341	0	7	302	362	321	0	31	222	429
	358	0	7	322	371										
1900	339	0	20	275	407	345	0	8	324	374	337	0	30	68	425
	1	0	3	350	372										
2000	8	0	18	316	413	6	0	11	335	396	4	0	31	253	439
	0	0	3	350	369										
2100	336	0	19	268	390	353	0	7	322	366	343	0	24	268	432
	0	0	2	352	370										
2200	32	0	49	8	419	42	0	3	397	410	19	0	41	10	405
	69	0	37	367	486										
2300	72	0	17	361	474	51	0	7	398	426	89	0	22	376	497
	98	0	41	362	506										
2400	24	0	12	358	410	54	0	5	408	428	31	0	19	357	439
	84	0	39	353	484										

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METEOROLOGICAL DATA--CK--FOR JUNE 13, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	C
100	620	0	499	0	598	0	593	0	120	0	0	0	14	0	14	0	14	0	0	0
200	615	0	495	0	601	0	600	0	121	0	-3	0	14	0	14	0	14	0	0	0
300	600	0	482	0	599	0	594	0	120	0	3	0	14	0	14	0	14	0	0	0
400	596	0	480	0	588	0	588	0	115	0	2	0	14	0	14	0	14	0	0	0
500	605	0	490	0	595	0	595	0	120	0	-4	0	14	0	14	0	14	0	0	0
600	610	0	494	0	594	0	594	0	123	0	-13	0	14	0	14	0	14	0	2	0
700	614	0	500	0	594	0	594	0	123	0	-21	0	14	0	14	0	14	0	60	0
800	619	0	506	0	604	0	601	0	128	0	-15	0	14	0	14	0	14	0	0	0
900	625	0	512	0	596	0	600	0	125	0	-19	0	14	0	14	0	14	0	0	0
1000	652	0	520	0	604	0	608	0	125	0	-17	0	14	0	14	0	14	0	0	0
1100	591	0	474	0	562	0	569	0	99	0	-24	0	14	0	14	0	14	0	0	0
1200	620	0	483	0	576	0	583	0	104	0	-24	0	14	0	14	0	14	0	0	0
1300	603	0	468	0	578	0	583	0	100	0	-22	0	14	0	14	0	14	0	0	0
1400	597	0	469	0	575	0	578	0	98	0	-24	0	14	0	14	0	14	0	0	0
1500	618	0	482	0	581	0	596	0	106	0	-25	0	14	0	14	0	14	0	0	0
1600	604	0	471	0	570	0	584	0	98	0	-22	0	14	0	14	0	14	0	0	0
1700	596	0	469	0	565	0	573	0	95	0	-22	0	14	0	14	0	14	0	0	0
1800	597	0	468	0	567	0	577	0	96	0	-20	0	14	0	14	0	14	0	0	0
1900	604	0	472	0	574	0	584	0	101	0	-21	0	14	0	14	0	14	0	0	0
2000	611	0	474	0	581	0	590	0	104	0	-17	0	14	0	14	0	14	0	0	0
2100	604	0	473	0	579	0	586	0	101	0	-14	0	14	0	14	0	14	0	0	0
2200	587	0	464	0	584	0	581	0	99	0	5	0	14	0	14	0	14	0	0	0
2300	589	0	465	0	583	0	581	0	100	0	0	0	14	0	14	0	14	0	0	0
2400	585	0	466	0	579	0	575	0	98	0	10	0	14	0	14	0	14	0	0	0

DATA CODES

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METEOROLOGICAL DATA--CK--FOR JUNE 14, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	18	0	0	9	30	63	0	0	44	75	13	0	0	4	35
	27	0	0	13	41										
200	15	0	0	7	23	26	0	0	12	40	4	0	0	4	5
	12	0	0	5	21										
300	14	0	0	6	20	39	0	0	31	45	4	0	0	4	5
	19	0	0	11	30										
400	25	0	0	9	52	95	0	0	72	117	6	0	0	4	26
	59	0	0	42	88										
500	51	0	0	20	90	84	0	0	38	124	36	0	0	10	78
	100	0	0	76	113										
600	39	0	0	18	59	57	0	0	26	82	29	0	0	6	53
	81	0	0	50	100										
700	21	0	0	9	36	24	0	0	11	39	14	0	0	4	37
	54	0	0	25	76										
800	28	0	0	8	58	44	0	0	28	55	12	0	0	4	37
	62	0	0	41	81										
900	20	0	0	8	28	8	0	0	2	31	8	0	0	4	24
	19	0	0	5	33										
1000	19	0	0	7	33	16	0	0	3	39	9	0	0	4	27
	30	0	0	21	40										
1100	43	0	0	25	63	43	0	0	26	70	40	0	0	4	69
	41	0	0	21	58										
1200	49	0	0	34	70	49	0	0	31	68	34	0	0	4	64
	25	0	0	21	32										
1300	48	0	0	26	117	63	0	0	29	103	32	0	0	4	84
	25	0	0	15	36										
1400	38	0	0	11	70	46	0	0	16	76	23	0	0	4	70
	45	0	0	28	67										
1500	35	0	0	18	59	53	0	0	34	72	15	0	0	4	70
	102	0	0	78	133										
1600	21	0	0	10	33	11	0	0	2	35	4	0	0	4	5
	57	0	0	35	76										
1700	25	0	0	10	42	25	0	0	4	47	14	0	0	4	43
	33	0	0	11	80										
1800	55	0	0	29	86	65	0	0	21	98	46	0	0	4	99
	52	0	0	46	59										
1900	36	0	0	21	53	64	0	0	43	88	14	0	0	4	57
	36	0	0	29	42										
2000	32	0	0	16	58	77	0	0	47	101	34	0	0	4	66
	27	0	0	18	40										
2100	31	0	0	14	55	64	0	0	42	81	32	0	0	13	52
	19	0	0	15	27										
2200	25	0	0	8	45	76	0	0	59	122	22	0	0	10	43
	32	0	0	20	59										
2300	56	0	0	15	107	108	0	0	59	147	29	0	0	8	77
	126	0	0	96	154										
2400	43	0	0	20	71	67	0	0	42	94	34	0	0	8	67
	68	0	0	36	94										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 14, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	114	0	48	25	365	78	0	6	426	448	132	0	37	30	351
	80	0	47	31	397										
200	31	0	34	326	472	64	0	13	379	440	55	0	46	332	481
	93	0	26	381	484										
300	35	0	29	284	445	59	0	5	404	427	33	0	22	336	440
	93	0	22	388	480										
400	322	0	27	235	383	334	0	1	326	340	321	0	20	261	381
	356	0	7	344	370										
500	0	0	17	266	403	353	0	7	332	375	6	0	24	259	431
	3	0	3	354	373										
600	5	0	22	298	419	356	0	11	319	384	355	0	30	263	432
	7	0	4	355	391										
700	359	0	37	235	430	341	0	40	279	414	329	0	37	249	443
	350	0	6	335	367										
800	344	0	23	215	520	336	0	5	319	352	307	0	45	108	481
	1	0	6	346	375										
900	55	0	34	25	498	88	0	50	24	409	138	0	63	15	515
	298	0	47	53	362										
1000	197	0	43	26	519	213	0	49	121	331	357	0	42	15	464
	295	0	18	241	324										
1100	276	0	17	230	333	257	0	13	218	283	286	0	12	241	336
	239	0	9	221	266										
1200	273	0	21	205	322	265	0	13	199	295	246	0	20	201	297
	272	0	11	237	297										
1300	236	0	30	140	306	237	0	19	178	298	271	0	32	141	327
	348	0	11	324	379										
1400	234	0	25	181	296	229	0	18	162	271	272	0	22	194	353
	10	0	3	362	381										
1500	304	0	34	225	507	315	0	14	281	348	297	0	18	264	435
	7	0	3	362	384										
1600	22	0	44	223	483	4	0	58	177	505	18	0	39	281	484
	9	0	4	354	385										
1700	167	0	39	65	275	153	0	22	85	521	142	0	21	51	201
	355	0	19	320	456										
1800	267	0	19	236	373	283	0	10	255	332	284	0	11	253	331
	9	0	3	363	380										
1900	283	0	18	241	393	281	0	6	267	308	292	0	18	255	360
	2	0	3	355	375										
2000	277	0	24	207	343	283	0	6	264	301	294	0	11	270	341
	332	0	9	294	355										
2100	287	0	23	214	396	300	0	5	283	319	298	0	11	270	346
	305	0	12	252	323										
2200	294	0	37	106	385	309	0	2	301	318	304	0	14	255	349
	293	0	32	229	356										
2300	350	0	17	224	395	344	0	8	314	374	345	0	44	22	512
	355	0	4	347	365										
2400	2	0	16	304	409	359	0	6	343	377	9	0	27	141	452
	9	0	5	356	401										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR JUNE 14, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	581	0	461	0	576	0	573	0	98	0	9	0	14	0	14	0	14	0	0	0
200	580	0	459	0	577	0	576	0	98	0	3	0	14	0	14	0	14	0	0	0
300	577	0	458	0	574	0	573	0	97	0	0	0	14	0	14	0	14	0	0	0
400	576	0	458	0	569	0	572	0	99	0	-7	0	14	0	14	0	14	0	0	0
500	577	0	463	0	563	0	565	0	95	0	-22	0	14	0	14	0	14	0	0	0
600	565	0	450	0	546	0	551	0	84	0	-22	0	14	0	14	0	14	0	0	0
700	560	0	447	0	544	0	548	0	81	0	-20	0	14	0	14	0	14	0	0	0
800	558	0	444	0	536	0	543	0	78	0	-21	0	14	0	14	0	14	0	0	0
900	564	0	452	0	552	0	557	0	86	0	-14	0	14	0	14	0	14	0	0	0
1000	579	0	466	0	554	0	558	0	87	0	-12	0	14	0	14	0	14	0	0	0
1100	627	0	483	0	559	0	563	0	92	0	-31	0	14	0	14	0	14	0	0	0
1200	680	0	484	0	561	0	564	0	96	0	-23	0	14	0	14	0	14	0	0	0
1300	699	0	474	0	578	0	584	0	111	0	-22	0	14	0	14	0	14	0	0	0
1400	712	0	461	0	625	0	620	0	129	0	-16	0	14	0	14	0	14	0	0	0
1500	704	0	479	0	606	0	620	0	122	0	-17	0	14	0	14	0	14	0	0	0
1600	622	0	491	0	597	0	602	0	113	0	30	0	14	0	14	0	14	0	0	0
1700	720	0	507	0	670	0	665	0	162	0	-18	0	14	0	14	0	14	0	0	0
1800	710	0	485	0	656	0	647	0	144	0	-16	0	14	0	14	0	14	0	0	0
1900	710	0	481	0	675	0	669	0	145	0	-15	0	14	0	14	0	14	0	0	0
2000	680	0	470	0	660	0	663	0	127	0	-10	0	14	0	14	0	14	0	0	0
2100	660	0	464	0	648	0	652	0	119	0	-9	0	14	0	14	0	14	0	0	0
2200	640	0	464	0	631	0	624	0	114	0	-5	0	14	0	14	0	14	0	0	0
2300	591	0	470	0	575	0	578	0	98	0	-22	0	14	0	14	0	14	0	0	0
2400	577	0	450	0	567	0	571	0	88	0	-18	0	14	0	14	0	14	0	0	0

DATA CODES
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METEOROLOGICAL DATA--CK--FOR JUNE 15, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	36	0	0	12	82	75	0	0	52	105	19	0	0	4	55
	81	0	0	63	97										
200	32	0	0	14	66	98	0	0	56	121	28	0	0	8	68
	111	0	0	85	130										
300	47	0	0	21	80	105	0	0	69	133	41	0	0	10	89
	112	0	0	95	130										
400	54	0	0	21	94	111	0	0	75	141	26	0	0	4	65
	121	0	0	98	141										
500	55	0	0	20	104	110	0	0	65	151	33	0	0	8	90
	134	0	0	113	161										
600	60	0	0	26	104	117	0	0	70	173	39	0	0	12	99
	148	0	0	125	175										
700	45	0	0	16	83	110	0	0	66	153	35	0	0	6	79
	141	0	0	117	171										
800	62	0	0	25	124	122	0	0	59	181	37	0	0	5	113
	160	0	0	129	194										
900	70	0	0	20	129	128	0	0	76	171	36	0	0	8	99
	159	0	0	134	189										
1000	58	0	0	22	112	97	0	0	45	142	40	0	0	11	100
	151	0	0	116	191										
1100	75	0	0	28	143	146	0	0	81	210	42	0	0	7	108
	160	0	0	133	187										
1200	68	0	0	24	123	130	0	0	59	179	42	0	0	6	101
	149	0	0	120	167										
1300	67	0	0	20	121	122	0	0	46	174	37	0	0	4	74
	136	0	0	112	157										
1400	88	0	0	37	160	167	0	0	102	216	43	0	0	10	120
	150	0	0	122	190										
1500	55	0	0	20	109	118	0	0	57	161	48	0	0	15	112
	132	0	0	105	154										
1600	70	0	0	20	141	151	0	0	108	184	51	0	0	18	111
	135	0	0	104	170										
1700	54	0	0	26	101	121	0	0	78	158	36	0	0	8	75
	131	0	0	107	155										
1800	52	0	0	17	105	121	0	0	70	171	35	0	0	14	69
	154	0	0	122	183										
1900	55	0	0	16	121	110	0	0	47	148	38	0	0	7	115
	142	0	0	119	174										
2000	46	0	0	18	95	120	0	0	77	146	35	0	0	6	71
	129	0	0	107	151										
2100	48	0	0	14	103	128	0	0	83	181	52	0	0	15	101
	144	0	0	113	165										
2200	33	0	0	10	74	93	0	0	47	143	41	0	0	18	93
	121	0	0	98	146										
2300	44	0	0	11	88	111	0	0	76	167	49	0	0	18	93
	131	0	0	108	154										
2400	45	0	0	16	85	102	0	0	64	141	38	0	0	4	78
	121	0	0	97	140										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 15, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	341	0	21	252	444	341	0	5	311	357	327	0	35	195	437
	356	0	2	349	363										
200	312	0	27	213	391	323	0	4	310	339	320	0	26	255	406
	331	0	3	322	339										
300	301	0	25	224	389	315	0	6	300	335	305	0	18	255	383
	323	0	7	310	338										
400	340	0	17	282	391	333	0	6	309	351	318	0	39	106	478
	346	0	4	334	357										
500	340	0	20	147	401	332	0	6	306	346	326	0	38	131	446
	342	0	3	333	354										
600	340	0	19	231	391	331	0	8	302	353	319	0	38	101	464
	341	0	3	330	349										
700	331	0	31	66	418	324	0	7	301	342	321	0	34	202	463
	334	0	3	324	342										
800	343	0	20	103	437	333	0	6	313	352	329	0	31	74	442
	340	0	3	331	348										
900	345	0	17	259	390	334	0	6	314	350	323	0	30	221	427
	346	0	3	335	355										
1000	349	0	18	293	413	342	0	10	314	371	341	0	36	116	482
	347	0	4	336	355										
1100	348	0	19	206	398	340	0	6	314	359	328	0	36	48	481
	351	0	3	343	364										
1200	347	0	15	278	417	343	0	7	317	364	332	0	33	108	415
	0	0	2	352	365										
1300	343	0	18	250	412	333	0	5	312	352	320	0	36	166	461
	342	0	5	329	352										
1400	341	0	16	237	404	336	0	4	320	361	322	0	32	219	452
	346	0	4	336	358										
1500	327	0	31	84	404	323	0	8	299	352	317	0	29	186	455
	338	0	4	328	350										
1600	322	0	25	220	425	321	0	4	306	336	316	0	21	239	407
	334	0	5	319	348										
1700	329	0	30	204	417	325	0	8	305	355	314	0	30	219	451
	331	0	3	319	338										
1800	332	0	26	107	399	324	0	8	304	348	313	0	32	86	448
	336	0	3	325	348										
1900	340	0	22	246	409	322	0	8	294	347	325	0	26	140	481
	338	0	4	326	347										
2000	326	0	31	170	443	320	0	5	304	338	309	0	28	102	385
	324	0	5	310	336										
2100	307	0	31	193	422	314	0	6	290	331	304	0	17	246	367
	323	0	4	312	335										
2200	298	0	36	55	468	311	0	7	283	332	302	0	19	225	419
	320	0	4	308	330										
2300	307	0	34	201	505	308	0	7	290	326	301	0	15	222	355
	318	0	3	308	329										
2400	309	0	27	132	445	314	0	5	301	333	306	0	19	264	380
	323	0	4	312	335										

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METEOROLOGICAL DATA--CK--FOR JUNE 15, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	573	0	448	0	566	0	568	0	86	0	-18	0	14	0	14	0	14	0	0	0
200	560	0	434	0	552	0	555	0	77	0	-21	0	14	0	14	0	14	0	0	0
300	538	0	416	0	525	0	529	0	61	0	-23	0	14	0	14	0	14	0	0	0
400	531	0	414	0	518	0	525	0	61	0	-23	0	14	0	14	0	14	0	0	0
500	532	0	415	0	520	0	526	0	63	0	-24	0	14	0	14	0	14	0	0	0
600	533	0	415	0	519	0	522	0	64	0	-26	0	14	0	14	0	14	0	0	0
700	536	0	420	0	516	0	525	0	64	0	-27	0	14	0	14	0	14	0	0	0
800	532	0	416	0	515	0	523	0	62	0	-26	0	14	0	14	0	14	0	0	0
900	525	0	410	0	511	0	519	0	58	0	-25	0	14	0	14	0	14	0	0	0
1000	525	0	408	0	509	0	520	0	56	0	-25	0	14	0	14	0	14	0	0	0
1100	521	0	402	0	507	0	518	0	52	0	-27	0	14	0	14	0	14	0	0	0
1200	523	0	403	0	512	0	519	0	52	0	-28	0	14	0	14	0	14	0	0	0
1300	529	0	400	0	518	0	524	0	52	0	-31	0	14	0	14	0	14	0	0	0
1400	528	0	395	0	515	0	523	0	50	0	-28	0	14	0	14	0	14	0	0	0
1500	539	0	396	0	517	0	525	0	48	0	-27	0	14	0	14	0	14	0	0	0
1600	526	0	384	0	510	0	519	0	44	0	-26	0	14	0	14	0	14	0	0	0
1700	525	0	385	0	507	0	514	0	41	0	-25	0	14	0	14	0	14	0	0	0
1800	516	0	382	0	506	0	513	0	41	0	-21	0	14	0	14	0	14	0	0	0
1900	511	0	380	0	503	0	510	0	39	0	-21	0	14	0	14	0	14	0	0	0
2000	509	0	380	0	505	0	511	0	40	0	-21	0	14	0	14	0	14	0	0	0
2100	513	0	379	0	508	0	513	0	41	0	-19	0	14	0	14	0	14	0	0	0
2200	512	0	379	0	510	0	514	0	40	0	-18	0	14	0	14	0	14	0	0	0
2300	515	0	383	0	514	0	518	0	43	0	-18	0	14	0	14	0	14	0	0	0
2400	516	0	385	0	514	0	518	0	44	0	-18	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 16, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	34	0	0	14	78	83	0	0	45	114	34	0	0	11	70
	111	0	0	91	129										
200	38	0	0	14	114	114	0	0	74	151	43	0	0	12	100
	127	0	0	107	154										
300	46	0	0	10	85	102	0	0	51	141	42	0	0	15	85
	122	0	0	104	147										
400	41	0	0	12	88	119	0	0	73	151	45	0	0	13	95
	125	0	0	108	148										
500	36	0	0	12	69	99	0	0	64	137	31	0	0	4	72
	119	0	0	98	140										
600	44	0	0	13	91	98	0	0	53	134	46	0	0	17	81
	114	0	0	93	136										
700	57	0	0	20	100	123	0	0	88	161	66	0	0	28	123
	124	0	0	102	139										
800	55	0	0	20	108	126	0	0	74	162	58	0	0	12	115
	138	0	0	112	164										
900	63	0	0	22	154	164	0	0	98	228	75	0	0	31	165
	177	0	0	147	215										
1000	60	0	0	16	111	155	0	0	91	215	70	0	0	30	148
	178	0	0	140	204										
1100	55	0	0	18	119	139	0	0	80	188	54	0	0	16	117
	171	0	0	139	202										
1200	51	0	0	18	116	112	0	0	64	160	60	0	0	28	109
	133	0	0	112	156										
1300	46	0	0	16	103	103	0	0	61	144	41	0	0	12	93
	104	0	0	85	124										
1400	54	0	0	20	84	109	0	0	63	140	56	0	0	17	101
	114	0	0	92	145										
1500	49	0	0	19	90	84	0	0	47	105	54	0	0	4	111
	69	0	0	52	84										
1600	60	0	0	23	107	79	0	0	28	112	65	0	0	22	105
	64	0	0	52	82										
1700	60	0	0	25	94	79	0	0	47	109	49	0	0	4	106
	69	0	0	57	82										
1800	55	0	0	12	91	71	0	0	42	106	57	0	0	6	109
	59	0	0	50	75										
1900	31	0	0	14	59	36	0	0	13	66	15	0	0	4	53
	38	0	0	30	49										
2000	17	0	0	9	31	17	0	0	2	32	4	0	0	4	5
	32	0	0	27	38										
2100	16	0	0	10	22	5	0	0	2	18	4	0	0	4	5
	20	0	0	11	27										
2200	17	0	0	10	22	46	0	0	42	52	8	0	0	4	23
	27	0	0	17	39										
2300	20	0	0	14	27	71	0	0	59	77	6	0	0	4	26
	36	0	0	23	53										
2400	34	0	0	22	54	102	0	0	85	119	17	0	0	4	50
	39	0	0	21	66										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 16, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
	DIR10S														
100	310	0	37	119	429	316	0	7	296	335	304	0	21	255	492
	325	0	4	313	336										
200	306	0	37	99	447	314	0	5	295	330	302	0	19	250	373
	324	0	5	313	334										
300	306	0	26	230	424	313	0	9	286	342	307	0	23	189	373
	320	0	4	307	333										
400	308	0	36	61	507	313	0	5	299	334	304	0	18	248	369
	320	0	6	300	337										
500	312	0	33	132	471	316	0	5	302	341	304	0	20	229	388
	320	0	3	311	328										
600	289	0	26	204	392	306	0	8	283	327	298	0	16	261	358
	313	0	4	300	329										
700	288	0	21	151	375	297	0	5	275	312	294	0	10	266	343
	305	0	4	292	314										
800	296	0	25	201	442	303	0	6	284	326	300	0	15	263	402
	311	0	4	300	321										
900	297	0	27	174	371	304	0	7	275	326	295	0	11	272	348
	309	0	5	297	322										
1000	304	0	28	97	429	310	0	7	290	335	303	0	16	262	392
	316	0	4	304	329										
1100	322	0	34	37	450	316	0	8	288	350	310	0	21	229	412
	325	0	3	317	334										
1200	299	0	31	67	485	306	0	7	285	328	303	0	17	260	347
	316	0	4	303	328										
1300	299	0	30	136	459	306	0	7	287	329	301	0	18	262	370
	307	0	5	296	322										
1400	278	0	21	226	353	286	0	8	250	309	293	0	13	257	341
	293	0	5	278	307										
1500	299	0	25	229	439	302	0	7	271	322	293	0	16	240	369
	297	0	5	285	313										
1600	249	0	27	188	360	262	0	16	225	311	278	0	20	233	358
	269	0	6	255	283										
1700	262	0	23	201	338	256	0	13	208	285	258	0	21	188	324
	239	0	5	229	254										
1800	280	0	19	211	447	281	0	9	246	308	280	0	15	228	348
	285	0	7	261	300										
1900	242	0	23	174	297	246	0	15	210	299	244	0	21	172	316
	242	0	6	230	262										
2000	241	0	23	166	300	260	0	38	132	351	309	0	74	101	430
	243	0	6	229	258										
2100	287	0	37	213	337	184	0	3	180	190	329	0	54	191	380
	47	0	52	62	408										
2200	168	0	9	143	188	169	0	5	161	180	157	0	6	135	176
	121	0	4	466	491										
2300	145	0	18	101	174	186	0	4	176	192	141	0	20	95	189
	130	0	7	469	519										
2400	179	0	4	164	191	190	0	2	183	194	176	0	9	144	204
	132	0	10	107	198										

DATA CODES
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METEOROLOGICAL DATA--CK--FOR JUNE 16, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	515	0	387	0	512	0	516	0	44	0	-21	0	14	0	14	0	14	0	0	0
200	517	0	389	0	513	0	517	0	46	0	-22	0	14	0	14	0	14	0	0	0
300	517	0	388	0	515	0	519	0	46	0	-20	0	14	0	14	0	14	0	0	0
400	518	0	389	0	513	0	518	0	48	0	-20	0	14	0	14	0	14	0	0	0
500	519	0	390	0	515	0	519	0	48	0	-20	0	14	0	14	0	14	0	0	0
600	518	0	391	0	510	0	516	0	46	0	-22	0	14	0	14	0	14	0	0	0
700	512	0	391	0	504	0	510	0	46	0	-25	0	14	0	14	0	14	0	0	0
800	509	0	382	0	503	0	508	0	44	0	-25	0	14	0	14	0	14	0	0	0
900	517	0	395	0	511	0	512	0	51	0	-25	0	14	0	14	0	14	0	0	0
1000	522	0	392	0	519	0	650	0	53	0	-21	0	14	0	14	0	15	0	0	0
1100	521	0	382	0	518	0	523	0	44	0	-21	0	14	0	14	0	14	0	0	0
1200	534	0	387	0	523	0	528	0	47	0	-21	0	14	0	14	0	14	0	0	0
1300	548	0	386	0	535	0	539	0	48	0	-22	0	14	0	14	0	14	0	0	0
1400	537	0	387	0	534	0	537	0	50	0	-17	0	14	0	14	0	14	0	0	0
1500	558	0	393	0	543	0	548	0	56	0	-23	0	14	0	14	0	14	0	0	0
1600	576	0	398	0	557	0	560	0	64	0	-24	0	14	0	14	0	14	0	0	0
1700	586	0	393	0	565	0	578	0	64	0	-21	0	14	0	14	0	14	0	0	0
1800	592	0	390	0	578	0	580	0	77	0	-18	0	14	0	14	0	14	0	0	0
1900	592	0	384	0	580	0	588	0	72	0	-18	0	14	0	14	0	14	0	0	0
2000	591	0	358	0	578	0	585	0	60	0	-11	0	14	0	14	0	14	0	0	0
2100	580	0	371	0	581	0	583	0	54	0	-6	0	14	0	14	0	14	0	0	0
2200	568	0	374	0	578	0	577	0	50	0	11	0	14	0	14	0	14	0	0	0
2300	566	0	390	0	579	0	579	0	55	0	19	0	14	0	14	0	14	0	0	0
2400	560	0	397	0	572	0	573	0	56	0	23	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 17, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	43	0	0	28	56	131	0	0	109	145	20	0	0	4	52
	47	0	0	29	74										
200	45	0	0	30	60	132	0	0	111	149	21	0	0	4	54
	49	0	0	27	97										
300	40	0	0	32	51	128	0	0	105	152	13	0	0	4	46
	54	0	0	30	85										
400	45	0	0	31	69	133	0	0	113	152	30	0	0	4	57
	47	0	0	23	74										
500	63	0	0	36	110	150	0	0	107	178	46	0	0	4	109
	72	0	0	35	105										
600	55	0	0	30	89	123	0	0	82	162	45	0	0	4	99
	100	0	0	57	138										
700	68	0	0	40	104	132	0	0	75	172	54	0	0	6	100
	107	0	0	75	133										
800	71	0	0	40	118	132	0	0	84	180	65	0	0	10	116
	97	0	0	52	137										
900	74	0	0	36	120	133	0	0	73	193	62	0	0	6	123
	83	0	0	47	134										
1000	78	0	0	37	145	139	0	0	71	219	71	0	0	18	129
	110	0	0	75	155										
1100	91	0	0	49	140	134	0	0	69	194	74	0	0	5	151
	116	0	0	83	148										
1200	110	0	0	53	177	174	0	0	107	241	101	0	0	18	181
	139	0	0	114	168										
1300	104	0	0	45	174	159	0	0	88	223	112	0	0	53	174
	99	0	0	83	119										
1400	91	0	0	31	139	120	0	0	43	157	83	0	0	34	138
	51	0	0	37	65										
1500	71	0	0	25	117	88	0	0	51	130	69	0	0	21	111
	65	0	0	49	78										
1600	75	0	0	40	126	103	0	0	35	149	72	0	0	7	126
	64	0	0	47	81										
1700	79	0	0	37	130	103	0	0	45	149	73	0	0	8	153
	77	0	0	53	103										
1800	76	0	0	39	139	117	0	0	59	175	63	0	0	9	122
	83	0	0	67	99										
1900	65	0	0	39	107	129	0	0	67	177	59	0	0	4	125
	79	0	0	46	101										
2000	67	0	0	31	118	134	0	0	84	181	51	0	0	10	87
	88	0	0	47	118										
2100	74	0	0	34	111	159	0	0	112	217	65	0	0	8	130
	82	0	0	41	118										
2200	42	0	0	31	63	129	0	0	102	146	26	0	0	4	59
	51	0	0	25	89										
2300	46	0	0	29	64	138	0	0	101	172	39	0	0	4	76
	48	0	0	20	83										
2400	76	0	0	41	128	160	0	0	114	215	55	0	0	5	120
	65	0	0	27	123										

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METEOROLOGICAL DATA--CK--FOR JUNE 17, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	189	0	7	167	214	198	0	1	194	202	195	0	12	158	283
	148	0	17	116	222										
200	195	0	8	173	225	214	0	3	201	223	192	0	12	147	228
	167	0	23	124	266										
300	207	0	8	190	235	227	0	2	218	236	214	0	14	168	259
	204	0	15	159	311										
400	223	0	7	203	241	229	0	2	222	236	234	0	10	203	274
	192	0	21	136	296										
500	218	0	9	193	242	220	0	3	207	231	228	0	14	171	286
	204	0	14	157	249										
600	219	0	11	182	259	223	0	5	204	238	230	0	15	185	305
	214	0	6	173	227										
700	218	0	9	186	251	223	0	5	198	244	230	0	14	169	304
	217	0	4	195	225										
800	223	0	13	183	260	228	0	5	209	248	234	0	15	178	351
	216	0	5	179	225										
900	227	0	13	187	280	227	0	8	207	250	234	0	16	180	291
	208	0	10	143	244										
1000	223	0	14	170	262	226	0	6	206	252	235	0	14	170	273
	214	0	5	191	225										
1100	219	0	15	174	264	226	0	9	197	253	228	0	18	145	312
	217	0	3	195	223										
1200	221	0	15	172	258	227	0	7	196	254	235	0	15	179	288
	221	0	2	215	226										
1300	241	0	15	190	286	241	0	8	217	264	255	0	15	198	313
	236	0	2	230	245										
1400	253	0	13	214	310	264	0	7	233	292	268	0	13	225	306
	241	0	5	223	254										
1500	235	0	23	168	283	249	0	11	219	287	250	0	17	214	307
	216	0	5	195	236										
1600	252	0	16	196	307	255	0	9	214	287	253	0	16	202	298
	214	0	6	200	238										
1700	254	0	16	201	299	249	0	9	215	277	266	0	17	181	313
	217	0	5	201	233										
1800	235	0	16	196	286	240	0	10	198	272	253	0	16	194	319
	212	0	3	200	224										
1900	227	0	14	184	272	237	0	8	213	260	249	0	16	151	306
	212	0	4	176	225										
2000	229	0	14	175	267	241	0	7	222	275	249	0	16	157	298
	206	0	6	182	226										
2100	227	0	11	201	283	233	0	5	215	254	242	0	14	179	306
	205	0	10	169	245										
2200	232	0	9	204	258	217	0	3	211	225	235	0	9	214	276
	186	0	20	119	249										
2300	197	0	5	179	214	220	0	3	211	230	209	0	12	165	242
	187	0	24	107	412										
2400	194	0	8	163	216	198	0	3	183	208	198	0	12	161	233
	180	0	22	115	330										

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METEOROLOGICAL DATA--CK--FOR JUNE 17, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	553	0	387	0	579	0	575	0	61	0	22	0	14	0	14	0	14	0	0	0
200	544	0	388	0	579	0	574	0	60	0	42	0	14	0	14	0	14	0	0	0
300	541	0	382	0	576	0	577	0	63	0	37	0	14	0	14	0	14	0	0	0
400	561	0	384	0	578	0	578	0	63	0	16	0	14	0	14	0	14	0	0	0
500	572	0	388	0	584	0	584	0	72	0	4	0	14	0	14	0	14	0	0	0
600	582	0	384	0	587	0	589	0	75	0	-3	0	14	0	14	0	14	0	0	0
700	589	0	405	0	589	0	589	0	81	0	-6	0	14	0	14	0	14	0	0	0
800	609	0	419	0	593	0	590	0	92	0	-14	0	14	0	14	0	14	0	0	0
900	623	0	417	0	601	0	603	0	86	0	-18	0	14	0	14	0	14	0	0	0
1000	628	0	407	0	609	0	615	0	89	0	-16	0	14	0	14	0	14	0	0	0
1100	657	0	415	0	628	0	639	0	105	0	-21	0	14	0	14	0	14	0	0	0
1200	652	0	432	0	626	0	639	0	106	0	-20	0	14	0	14	0	14	0	0	0
1300	688	0	455	0	634	0	651	0	114	0	-26	0	14	0	14	0	14	0	0	0
1400	694	0	445	0	642	0	654	0	120	0	-25	0	14	0	14	0	14	0	0	0
1500	712	0	448	0	673	0	689	0	130	0	-23	0	14	0	14	0	14	0	0	0
1600	724	0	473	0	688	0	703	0	146	0	-24	0	14	0	14	0	14	0	0	0
1700	745	0	470	0	706	0	725	0	159	0	-19	0	14	0	14	0	14	0	0	0
1800	734	0	474	0	702	0	720	0	158	0	-19	0	14	0	14	0	14	0	0	0
1900	742	0	461	0	705	0	717	0	158	0	-13	0	14	0	14	0	14	0	0	0
2000	730	0	442	0	708	0	718	0	151	0	-5	0	14	0	14	0	14	0	0	0
2100	722	0	425	0	701	0	707	0	141	0	2	0	14	0	14	0	14	0	0	0
2200	689	0	427	0	684	0	687	0	127	0	29	0	14	0	14	0	14	0	0	0
2300	685	0	414	0	710	0	710	0	137	0	36	0	14	0	14	0	14	0	0	0
2400	670	0	411	0	704	0	702	0	134	0	8	0	14	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 18, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	95	0	0	47	167	175	0	0	117	238	60	0	0	8	134
	84	0	0	31	164										
200	79	0	0	44	130	149	0	0	108	191	54	0	0	6	99
	78	0	0	37	136										
300	92	0	0	45	160	161	0	0	102	214	59	0	0	4	123
	71	0	0	34	123										
400	57	0	0	33	99	134	0	0	88	190	43	0	0	4	90
	49	0	0	27	98										
500	30	0	0	20	48	125	0	0	104	154	22	0	0	4	48
	61	0	0	34	84										
600	30	0	0	19	47	128	0	0	112	147	21	0	0	4	44
	67	0	0	37	115										
700	23	0	0	16	40	110	0	0	88	125	20	0	0	4	42
	54	0	0	27	86										
800	30	0	0	14	48	88	0	0	72	111	20	0	0	4	55
	45	0	0	28	67										
900	31	0	0	14	53	77	0	0	57	96	33	0	0	8	64
	56	0	0	33	90										
1000	38	0	0	14	64	76	0	0	41	103	50	0	0	10	76
	77	0	0	54	114										
1100	46	0	0	18	90	111	0	0	75	144	45	0	0	15	85
	78	0	0	42	118										
1200	72	0	0	24	136	132	0	0	83	169	65	0	0	18	108
	86	0	0	34	150										
1300	77	0	0	19	134	130	0	0	94	162	63	0	0	9	128
	84	0	0	42	146										
1400	63	0	0	22	124	105	0	0	40	161	73	0	0	10	142
	61	0	0	32	116										
1500	83	0	0	37	206	135	0	0	59	232	78	0	0	18	165
	89	0	0	46	191										
1600	86	0	0	22	151	138	0	0	80	221	84	0	0	9	167
	71	0	0	33	138										
1700	64	0	0	26	150	106	0	0	59	185	72	0	0	15	140
	64	0	0	27	149										
1800	70	0	0	25	132	121	0	0	64	172	68	0	0	11	131
	48	0	0	25	82										
1900	63	0	0	31	112	110	0	0	74	146	48	0	0	11	96
	57	0	0	23	137										
2000	46	0	0	23	72	97	0	0	76	127	31	0	0	4	79
	47	0	0	28	80										
2100	18	0	0	9	35	79	0	0	65	96	18	0	0	5	43
	40	0	0	25	57										
2200	24	0	0	14	41	106	0	0	98	117	19	0	0	4	44
	44	0	0	22	63										
2300	19	0	0	10	32	103	0	0	85	113	31	0	0	6	45
	44	0	0	25	61										
2400	27	0	0	20	37	88	0	0	77	105	35	0	0	4	48
	49	0	0	35	69										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 18, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	194	0	9	168	219	199	0	4	186	218	201	0	15	145	264
	187	0	20	94	432										
200	196	0	8	170	215	201	0	3	189	214	196	0	15	110	241
	190	0	17	132	265										
300	196	0	8	167	222	200	0	4	187	218	199	0	11	161	254
	180	0	21	92	258										
400	179	0	10	148	204	191	0	4	176	201	182	0	12	129	219
	148	0	23	100	240										
500	155	0	11	129	186	174	0	2	169	184	146	0	11	118	175
	135	0	9	110	194										
600	155	0	12	104	187	172	0	1	167	177	140	0	11	104	170
	134	0	12	84	191										
700	138	0	13	95	182	173	0	1	168	181	137	0	12	105	188
	131	0	14	99	514										
800	164	0	14	121	203	179	0	2	172	190	153	0	18	104	190
	131	0	10	100	208										
900	148	0	16	104	219	161	0	5	145	175	139	0	8	106	163
	122	0	8	105	160										
1000	131	0	19	51	225	134	0	3	124	145	131	0	8	98	154
	118	0	6	102	137										
1100	160	0	16	117	218	157	0	4	144	169	149	0	13	101	190
	126	0	11	101	172										
1200	170	0	13	100	202	159	0	6	143	177	154	0	12	118	191
	141	0	13	112	209										
1300	171	0	18	88	258	163	0	10	138	187	165	0	16	128	206
	132	0	12	94	178										
1400	145	0	20	77	212	145	0	9	124	178	140	0	14	101	188
	135	0	21	85	501										
1500	165	0	24	92	216	160	0	19	122	207	176	0	18	102	225
	132	0	12	106	193										
1600	172	0	23	62	215	166	0	17	110	197	171	0	21	118	234
	139	0	21	94	252										
1700	173	0	16	108	221	164	0	9	145	197	155	0	18	108	209
	140	0	22	.90	223										
1800	171	0	12	118	214	164	0	7	126	180	159	0	17	106	198
	136	0	15	85	262										
1900	172	0	11	137	208	165	0	5	149	181	159	0	19	108	219
	136	0	17	86	223										
2000	169	0	14	113	218	169	0	5	151	184	164	0	15	122	204
	132	0	10	93	167										
2100	141	0	21	48	195	154	0	1	149	158	138	0	6	116	158
	131	0	9	106	170										
2200	155	0	10	119	191	157	0	1	154	159	139	0	7	111	162
	130	0	8	110	160										
2300	137	0	19	72	195	148	0	2	141	155	135	0	4	122	146
	123	0	6	99	156										
2400	117	0	5	96	131	137	0	1	133	141	127	0	4	103	137
	120	0	6	103	142										

DATA CODES
0=GOOD DATA
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2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 18, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	673	0	419	0	694	0	695	0	130	0	2	0	14	0	14	0	14	0	0	0
200	665	0	423	0	680	0	682	0	123	0	3	0	14	0	14	0	14	0	0	0
300	656	0	425	0	675	0	676	0	119	0	0	0	14	0	14	0	14	0	0	0
400	634	0	424	0	661	0	659	0	110	0	9	0	14	0	14	0	14	0	0	0
500	595	0	415	0	637	0	634	0	96	0	32	0	14	0	14	0	14	0	0	0
600	589	0	415	0	631	0	628	0	93	0	25	0	14	0	14	0	14	0	0	0
700	596	0	422	0	628	0	629	0	96	0	19	0	14	0	14	0	14	0	0	0
800	624	0	449	0	642	0	643	0	108	0	-1	0	14	0	14	0	14	0	0	0
900	642	0	465	0	647	0	650	0	116	0	-9	0	14	0	14	0	14	0	0	0
1000	641	0	469	0	644	0	647	0	116	0	-9	0	14	0	14	0	14	0	0	0
1100	641	0	479	0	643	0	647	0	121	0	-14	0	14	0	14	0	14	0	0	0
1200	683	0	505	0	684	0	689	0	149	0	-22	0	14	0	14	0	14	0	0	0
1300	738	0	530	0	730	0	739	0	175	0	-28	0	14	0	14	0	14	0	0	0
1400	754	0	529	0	765	0	778	0	194	0	-23	0	14	0	14	0	14	0	0	0
1500	784	0	539	0	781	0	795	0	205	0	-27	0	14	0	14	0	14	0	0	0
1600	798	0	544	0	804	0	820	0	225	0	-24	0	14	0	14	0	14	0	0	0
1700	806	0	552	0	811	0	822	0	229	0	-21	0	14	0	14	0	14	0	0	0
1800	797	0	550	0	802	0	811	0	221	0	-14	0	14	0	14	0	14	0	0	0
1900	796	0	559	0	806	0	815	0	224	0	-16	0	14	0	14	0	14	0	0	0
2000	775	0	545	0	786	0	790	0	205	0	-5	0	14	0	14	0	14	0	0	0
2100	753	0	539	0	770	0	772	0	194	0	7	0	14	0	14	0	14	0	0	0
2200	739	0	536	0	756	0	757	0	186	0	14	0	14	0	14	0	14	0	0	0
2300	729	0	536	0	745	0	747	0	181	0	14	0	14	0	14	0	14	0	0	0
2400	720	0	535	0	735	0	736	0	176	0	15	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 19, 1989

SPEEDS 1- 4 (MPH X 10)

	SPD10M SPD10S					SPD60M					SPD10B				
HRMN	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX	AV	C	STD	MIN	MAX
100	27	0	0	12	51	113	0	0	88	132	44	0	0	20	61
	56	0	0	37	78										
200	28	0	0	14	48	123	0	0	96	139	38	0	0	12	69
	66	0	0	41	91										
300	40	0	0	20	77	136	0	0	115	170	42	0	0	8	77
	79	0	0	47	116										
400	39	0	0	17	72	131	0	0	105	158	38	0	0	5	66
	78	0	0	51	107										
500	33	0	0	19	50	103	0	0	91	116	23	0	0	4	53
	57	0	0	28	85										
600	19	0	0	9	36	85	0	0	69	101	7	0	0	4	47
	43	0	0	24	63										
700	20	0	0	11	32	90	0	0	78	102	22	0	0	6	36
	42	0	0	24	61										
800	13	0	0	6	22	46	0	0	35	53	6	0	0	4	20
	32	0	0	18	53										
900	26	0	0	13	45	40	0	0	22	64	13	0	0	4	39
	31	0	0	12	49										
1000	37	0	0	21	57	51	0	0	27	72	17	0	0	4	57
	28	0	0	20	37										
1100	30	0	0	13	52	54	0	0	29	70	10	0	0	4	61
	22	0	0	6	30										
1200	36	0	0	12	62	68	0	0	37	96	17	0	0	4	56
	44	0	0	24	58										
1300	45	0	0	23	70	69	0	0	41	88	17	0	0	3	58
	46	0	0	30	67										
1400	32	0	0	16	62	41	0	0	29	53	19	0	0	4	57
	60	0	0	40	74										
1500	46	0	0	19	79	61	0	0	30	89	22	0	0	4	79
	57	0	0	17	96										
1600	36	0	0	16	67	40	0	0	22	61	14	0	0	4	64
	39	0	0	27	56										
1700	39	0	0	20	67	52	0	0	25	98	15	0	0	4	69
	47	0	0	22	99										
1800	47	0	0	10	84	92	0	0	68	114	28	0	0	4	63
	62	0	0	55	74										
1900	48	0	0	9	87	104	0	0	66	132	26	0	0	4	80
	84	0	0	66	106										
2000	54	0	0	21	87	92	0	0	69	114	20	0	0	4	62
	106	0	0	48	174										
2100	53	0	0	27	86	86	0	0	55	110	36	0	0	4	73
	81	0	0	13	136										
2200	30	0	0	22	44	72	0	0	53	90	12	0	0	4	36
	35	0	0	14	97										
2300	34	0	0	20	47	72	0	0	58	81	6	0	0	4	36
	25	0	0	13	39										
2400	27	0	0	18	36	91	0	0	86	97	14	0	0	4	33
	38	0	0	26	53										

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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METEOROLOGICAL DATA--CK--FOR JUNE 19, 1989

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	137	0	18	64	197	141	0	1	135	145	136	0	5	112	151
	123	0	6	107	150										
200	149	0	24	53	231	148	0	2	139	157	137	0	6	112	157
	126	0	6	110	143										
300	160	0	14	101	208	157	0	2	149	167	147	0	11	105	175
	137	0	9	107	177										
400	159	0	14	123	218	159	0	2	152	167	145	0	11	116	179
	123	0	6	98	140										
500	166	0	10	113	209	170	0	1	163	175	153	0	13	113	195
	130	0	9	108	156										
600	176	0	13	138	224	177	0	3	168	185	162	0	17	126	222
	129	0	8	91	154										
700	147	0	11	100	181	177	0	6	163	186	140	0	8	109	159
	131	0	14	104	221										
800	114	0	26	399	524	195	0	10	178	219	124	0	23	66	190
	130	0	13	103	196										
900	179	0	21	107	231	185	0	15	141	217	177	0	22	132	255
	137	0	31	104	340										
1000	235	0	20	195	304	247	0	10	225	284	266	0	13	218	293
	230	0	9	213	252										
1100	292	0	20	221	365	288	0	8	252	306	298	0	14	249	368
	343	0	6	318	355										
1200	327	0	32	254	420	314	0	13	287	353	309	0	30	201	488
	355	0	7	335	378										
1300	61	0	10	385	458	46	0	8	378	425	80	0	20	378	517
	110	0	10	438	497										
1400	89	0	20	38	509	87	0	9	421	479	105	0	21	404	516
	119	0	4	454	491										
1500	349	0	31	251	418	337	0	11	306	370	308	0	28	97	495
	340	0	13	281	393										
1600	305	0	34	235	390	322	0	20	274	369	301	0	30	222	404
	334	0	4	319	344										
1700	30	0	29	284	457	36	0	24	318	444	27	0	37	240	470
	327	0	17	270	343										
1800	326	0	22	84	415	334	0	7	316	350	316	0	24	231	454
	346	0	3	336	355										
1900	337	0	26	38	400	350	0	5	328	360	320	0	26	161	448
	356	0	2	349	364										
2000	2	0	12	322	402	7	0	9	342	393	0	0	27	240	425
	11	0	6	359	399										
2100	18	0	11	347	413	22	0	4	366	396	21	0	18	181	499
	12	0	10	363	469										
2200	38	0	7	376	422	34	0	4	377	405	29	0	18	298	442
	50	0	43	360	510										
2300	35	0	6	375	411	64	0	7	406	437	22	0	12	340	415
	108	0	5	441	482										
2400	72	0	11	397	468	85	0	8	422	458	82	0	11	383	466
	99	0	6	437	477										

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METEOROLOGICAL DATA--CK--FOR JUNE 19, 1989

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	709	0	533	0	725	0	726	0	172	0	12	0	14	0	14	0	14	0	0	0
200	708	0	532	0	720	0	721	0	170	0	9	0	14	0	14	0	14	0	0	0
300	695	0	529	0	710	0	711	0	166	0	7	0	14	0	14	0	14	0	0	0
400	684	0	526	0	693	0	694	0	159	0	4	0	14	0	14	0	14	0	0	0
500	671	0	523	0	685	0	684	0	157	0	4	0	14	0	14	0	14	0	0	0
600	657	0	516	0	675	0	672	0	153	0	9	0	14	0	14	0	14	0	0	0
700	653	0	518	0	671	0	671	0	152	0	20	0	14	0	14	0	14	0	0	0
800	673	0	529	0	688	0	690	0	160	0	10	0	14	0	14	0	14	0	0	0
900	699	0	542	0	706	0	710	0	172	0	-12	0	14	0	14	0	14	0	0	0
1000	720	0	536	0	693	0	682	0	165	0	-12	0	14	0	14	0	14	0	0	0
1100	702	0	528	0	672	0	669	0	157	0	-10	0	14	0	14	0	14	0	0	0
1200	681	0	525	0	653	0	659	0	150	0	-16	0	14	0	14	0	14	0	0	0
1300	690	0	539	0	698	0	703	0	166	0	-12	0	14	0	14	0	14	0	0	0
1400	715	0	555	0	717	0	726	0	182	0	-17	0	14	0	14	0	14	0	0	0
1500	764	0	559	0	664	0	677	0	166	0	-22	0	14	0	14	0	14	0	0	0
1600	748	0	570	0	643	0	659	0	155	0	-20	0	14	0	14	0	14	0	0	0
1700	781	0	569	0	647	0	658	0	152	0	-17	0	14	0	14	0	14	0	0	0
1800	712	0	555	0	645	0	661	0	154	0	-9	0	14	0	14	0	14	0	0	0
1900	715	0	563	0	653	0	669	0	163	0	-15	0	14	0	14	0	14	0	0	0
2000	707	0	552	0	694	0	701	0	171	0	-10	0	14	0	14	0	14	0	0	0
2100	699	0	547	0	668	0	672	0	157	0	-11	0	14	0	14	0	14	0	0	0
2200	672	0	531	0	657	0	657	0	149	0	-2	0	14	0	14	0	14	0	0	0
2300	659	0	525	0	652	0	644	0	148	0	25	0	14	0	14	0	14	0	0	0
2400	645	0	519	0	644	0	642	0	144	0	34	0	14	0	14	0	14	0	0	0

DATA CODES
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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 20, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	30	0	0	21	38	104	0	0	96	111	29	0	0	4	46
	36	0	0	23	48										
200	25	0	0	17	39	76	0	0	60	96	31	0	0	20	41
	59	0	0	42	81										
1500	48	0	0	18	105	65	0	0	28	96	44	0	0	5	113
	50	0	0	18	97										
1600	45	0	0	12	90	63	0	0	22	121	54	0	0	6	113
	91	0	0	38	139										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	69	0	7	416	454	97	0	4	448	464	79	0	9	404	467
	110	0	6	437	484										
200	108	0	9	439	493	121	0	3	473	486	114	0	14	441	502
	112	0	2	462	481										
1500	102	0	29	39	324	101	0	19	413	497	91	0	20	48	516
	85	0	35	29	504										
1600	118	0	24	55	507	118	0	9	451	513	125	0	18	79	172
	0	0	10	317	380										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	638	0	518	0	636	0	633	0	143	0	23	0	14	0	14	0	14	0	0	0
200	634	0	510	0	633	0	631	0	143	0	17	0	14	0	14	0	14	0	0	0
1500	769	0	537	0	773	0	793	0	209	0	-26	0	14	0	14	0	14	0	0	0
1600	778	0	537	0	667	0	686	0	166	0	-23	0	14	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
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4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 21, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
600	19	0	0	11	37	79	0	0	55	91	9	0	0	4	25
	50	0	0	33	76										
700	31	0	0	20	45	74	0	0	68	82	32	0	0	4	45
	41	0	0	29	55										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
600	98	0	22	417	511	115	0	4	465	485	100	0	13	435	499
	106	0	6	440	478										
700	72	0	8	408	467	95	0	2	449	459	80	0	5	415	454
	102	0	7	433	480										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
600	588	0	461	0	591	0	584	0	105	0	26	0	14	0	14	0	14	0	0	0
700	575	0	455	0	586	0	585	0	102	0	34	0	14	0	14	0	14	0	0	0

DATA CODES
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5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 22, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
100	32	0	0	23	41	128	0	0	117	137	42	0	0	4	55
	43	0	0	28	64										
1800	49	0	0	22	96	77	0	0	39	114	48	0	0	4	91
	23	0	0	9	47										
1900	48	0	0	22	84	99	0	0	48	142	63	0	0	30	114
	55	0	0	29	91										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
100	86	0	6	426	467	95	0	2	449	459	93	0	3	442	468
	111	0	5	429	486										
1800	176	0	12	124	209	174	0	8	133	195	174	0	14	134	214
	349	0	55	75	507										
1900	136	0	18	80	228	135	0	5	116	148	132	0	10	94	165
	135	0	11	95	170										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
100	674	0	497	0	687	0	687	0	146	0	32	0	14	0	14	0	14	0	0	0
1800	878	0	582	0	848	0	851	0	262	0	-15	0	13	0	14	0	14	0	0	0
1900	869	0	584	0	878	0	886	0	274	0	-8	0	13	0	14	0	14	0	0	0

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METEOROLOGICAL DATA--CK--FOR JUNE 23, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1900	20	0	0	11	36	57	0	0	36	107	7	0	0	4	40
	34	0	0	11	51										
2000	31	0	0	16	53	58	0	0	29	103	14	0	0	4	58
	26	0	0	13	41										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1900	305	0	28	217	436	296	0	7	283	314	298	0	12	253	339
	356	0	18	313	421										
2000	310	0	36	222	415	304	0	11	263	330	301	0	28	96	424
	339	0	20	300	393										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1900	820	0	607	0	780	0	772	0	217	0	0	0	13	0	14	0	14	0	0	0
2000	773	0	578	0	752	0	758	0	204	0	-11	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 24, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1800	89	0	0	45	136	134	0	0	74	176	47	0	0	5	122
	127	0	0	109	143										
1900	60	0	0	19	104	106	0	0	58	163	25	0	0	4	104
	116	0	0	95	128										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1800	351	0	14	306	401	344	0	5	324	363	330	0	30	142	454
	358	0	2	350	363										
1900	348	0	16	141	404	351	0	8	325	380	342	0	46	32	491
	5	0	2	361	371										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1800	704	0	539	0	677	0	696	0	169	0	-21	0	13	0	14	0	14	0	0	0
1900	698	0	517	0	671	0	689	0	160	0	-17	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 25, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1300	74	0	0	36	104	91	0	0	63	122	85	0	0	25	121
	51	0	0	42	59										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1300	257	0	11	218	302	268	0	7	248	292	285	0	11	241	335
	266	0	3	257	277										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1300	741	0	560	0	699	0	707	0	173	0	-21	0	14	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 26, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
300	29	0	0	21	43	153	0	0	148	160	12	0	0	4	44
	91	0	0	56	138										
400	37	0	0	22	53	145	0	0	133	159	23	0	0	4	56
	95	0	0	59	138										
1400	53	0	0	22	90	56	0	0	32	76	41	0	0	4	86
	21	0	0	16	33										
1900	129	0	0	71	198	136	0	0	96	164	64	0	0	10	121
	67	0	0	37	129										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
300	162	0	7	139	186	164	0	0	162	165	146	0	12	99	193
	130	0	6	114	153										
400	159	0	7	131	188	171	0	1	168	174	148	0	16	111	211
	133	0	7	115	170										
1400	258	0	27	179	351	270	0	15	225	313	280	0	15	220	320
	293	0	13	250	328										
1900	37	2	20	699	823	69	0	6	416	444	88	0	15	34	491
	98	0	14	411	487										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
300	701	0	527	0	736	0	733	0	176	0	70	0	14	0	14	0	14	0	0	0
400	703	0	520	0	742	0	740	0	174	0	37	0	14	0	14	0	14	0	0	0
1400	865	0	607	0	793	0	800	0	240	0	-22	0	13	0	14	0	14	0	0	0
1900	692	0	559	0	674	0	683	0	177	0	-17	0	13	0	14	0	14	0	25	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 27, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
2300	53	0	0	34	69	53	0	0	45	61	10	0	0	4	32
	34	0	0	17	42										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
2300	85	0	17	408	489	261	0	2	254	266	251	0	13	201	327
	215	0	6	178	229										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
2300	662	0	529	0	645	0	652	0	156	0	-8	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 28, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
0000	41	0	0	28	53	50	0	0	39	61	12	0	0	4	31
	31	0	0	20	41										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
0000	27	0	16	348	429	248	0	2	240	255	213	0	15	175	276
	213	0	8	180	238										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
0000	660	0	529	0	643	0	648	0	154	0	-19	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA	1=QUESTIONABLE DATA
2=BAD DATA	3=UNSTEADY DIRECTION
4=CALM SPEED	5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 29, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M SPD10S AV	C	STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
1300	106	0	0	44	188	72	0	0	40	109	50	0	0	6	94
	107	0	0	83	121										
1400	143	0	0	63	223	122	0	0	82	160	54	0	0	6	107
	124	0	0	105	140										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M DIR10S AV	C	STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
1300	48	2	36	617	877	73	0	16	397	491	109	0	26	75	514
	356	0	5	340	363										
1400	248	2	23	505	678	342	0	4	323	361	5	0	22	194	438
	1	0	1	355	366										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
1300	655	0	395	0	599	0	615	0	78	0	-23	0	13	0	14	0	14	0	0	0
1400	632	0	402	0	600	0	619	0	78	0	-29	0	13	0	14	0	14	0	0	0

DATA CODES 0=GOOD DATA 1=QUESTIONABLE DATA
2=BAD DATA 3=UNSTEADY DIRECTION
4=CALM SPEED 5=FLAT DIRECTION

METEOROLOGICAL DATA--CK--FOR JUNE 30, 1989

SPEEDS 1- 4 (MPH X 10)

HRMN	SPD10M AV	C	SPD10S STD	MIN	MAX	SPD60M AV	C	STD	MIN	MAX	SPD10B AV	C	STD	MIN	MAX
400	41	0	0	20	73	145	0	0	126	158	38	0	0	22	53
	66	0	0	45	89										
2000	67	0	0	36	131	50	0	0	31	77	13	0	0	4	51
	83	0	0	50	119										

DIRECTIONS 1- 4 (DEGREES)

HRMN	DIR10M AV	C	DIR10S STD	MIN	MAX	DIR60M AV	C	STD	MIN	MAX	DIR10B AV	C	STD	MIN	MAX
400	234	0	40	64	369	145	0	1	501	509	133	0	5	111	152
	121	0	5	99	136										
2000	279	2	20	560	695	351	0	8	320	371	9	0	19	301	413
	9	0	2	362	378										

TEMPS AND DTS (DEG F X10), MISC, AND RAIN(INCHES X100

HRMN	TE10M TMP	C	DP10M TMP	C	TE10S TMP	C	TE2S TMP	C	DP10S TMP	C	DT60M DT	C	BAT-M MSC	C	BAT-B MSC	C	BAT-S MSC	C	PRECIP RAINC	
400	544	0	386	0	565	0	564	0	59	0	36	0	13	0	14	0	14	0	0	0
2000	698	0	451	0	682	0	684	0	141	0	-8	0	13	0	14	0	14	0	0	0

DATA CODES

0=GOOD DATA
1=QUESTIONABLE DATA
2=BAD DATA
3=UNSTEADY DIRECTION
4=CALM SPEED
5=FLAT DIRECTION

APPENDIX 3.0

Process Control Program (PCP) Changes

PROCESS CONTROL PROGRAM (PCP) CHANGES

The Radioactive Waste Process Control Manual 12 PMP 3150 PCP.001 was revised during the report period. The Scope of Revision and PNSRC Approval is documented on each Procedure Cover Sheet. These revisions did not reduce the overall conformance of the solidified waste product to existing criteria for solid waste.

OFFSITE DOSE CALCULATION MANUAL (ODCM) CHANGES

The Offsite Dose Calculations Manual PMP 6010 OSD.001 was changed during the report period. The reasons for the changes and PNSRC approval are documented on the Procedure Cover Sheet.

FORM 3329
Revised 3 87

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: 12 PMP 3150 PCP.001 REVISION NO.: 12 CHANGE SHEET NO.: 1

TITLE: Radioactive Waste Process Control Manual

PAGE 1 of 1

ORIGINATED BY: _____ DATE: 6-12-89
MANAGEMENT STAFF _____ DATE: 12 JUN 89
SENIOR REACTOR OPERATOR: _____ DATE: 6-12-89
Q.A. SUPERVISOR: _____ DATE: 6/14/89
PNSRC: Mtg. # 2273 DATE: 6-15-89
PLANT MANAGER: _____ DATE: 6/15/89

PROCEDURE SUBC. _____ DATE ~~6-13-89~~ EXPIRATION DATE: N/A

DESCRIPTION OF CHANGE

ADD Radlok-500 HIC Certification - 4. Radlok-500 No. DHEC-HIC-PL-014, October 31, 1985

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REASON(S) FOR CHANGE

To add the Radlok Certification Data to the South Carolina DHEC Certification List.

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INSTRUCTIONS FOR INCORPORATING CHANGE

Replace List of Effective Pages Page 5 of 6 Rev. 12 with Page 5 of 6 Rev. 12, CS-1

Replace Attachment XXIV Page 1 of 1 Rev. 9 with Page 1 of 1 Rev. 9, CS-1

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CERTIFICATION STATEMENT FOR DISPOSAL OF RADLOK HIGH INTEGRITY CONTAINERS

For the RADLOK high integrity containers to be disposed of at the Barnwell, South Carolina low-level radioactive waste burial facility and identified by serial number(s) _____ _____, Indiana Michigan Power Company hereby certifies that its use of such containers has complied with the Certificates of Compliance issued by the South Carolina Department of Health and Environmental Control, Bureau of Radiological Health, and all amendments thereto, as follows:

1. RADLOK-55 No. DHEC-HIC-PL-004, June 17, 1982
2. RADLOK-100 No. DHEC-HIC-PL-005, June 17, 1982
3. RADLOK-200 No. DHEC-HIC-PL-007, May 5, 1983
4. RADLOK-500 No. DHEC-HIC-PL-014, October 31, 1985

BY: _____

TITLE: _____

DATED: _____

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INDIANA MICHIGAN POWER

Form 5326

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

Procedure No.	12 PMP 3150 PCP.001
Revision No.	12

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

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SCOPE OF REVISION

Minor Revision. Marginal markings used.
Changed <values to <value times an isotope concentration.
This corrects a misinterpretation of scaling factor report.
Broke the waste filter section into three separate filter groups to remove some over-conservatism. Changed scaling factor for C-14, DAW, due to a revised number from SAIC.
Corrected minor typographical errors.

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SIGNATURES	REVISION NUMBER			
• • • • • •	REV. 12			
PREPARED BY	[illegible]			
DEPARTMENT HEAD APPROVAL	D Fryer			
INTERFACING DEPARTMENT HEAD CONCURRENCE	NA NA NA			
QUALITY ASSURANCE SUPERVISOR APPROVAL	[illegible]			
PLANT NUCLEAR SAFETY COMMITTEE	Mtg #2254			
PLANT MANAGER APPROVAL	[illegible]			
APPROVAL DATE	5-4-89			
EFFECTIVE DATE	5-8-89			

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2.33 Low-Level Radioactive Waste Policy Amendments Act of 1985.

2.34 12 THP 6010 ENV.022

2.35 12 THP 6010 ENV.023

2.36 SAIC, Scaling Factor Determination Report Number 5, Revision 1, Date February 21, 1989.

2.37 Letter dated May 3, 1989, from SAIC, clarifying C-14 scaling factor for DAW.

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or crushed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.5 No Type B fissile class radioactive material shipments shall be made without an approved procedure for fissile class Type B shipments.

3.6 Consideration has been given to our waste management program to ensure that actions have been implemented to segregate hazardous waste as defined by the EPA regulations, from low-level radioactive waste.

3.7 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is <u>not</u> authorized unless it is specifically provided for in the Certificate of Compliance issued by the NRC.

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18.0 WASTE CLASSIFICATION

NOTE: Waste classification may be determined using a computerized waste tracking and manifesting system. The manual methods described below, are equally acceptable.

18.1 Evaporator Concentrates

18.1.1 For the period from January 1, 1989 to December 31, 1989, evaporator concentrates shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 -	measured or default (2.72 E^{-2} µci/gm)
C-14 -	Co-60 concentration in µci/gm times 7.91 E^{-3}
Fe-55 -	Co-60 concentration in µci/gm times 9.23 E^{-1}
Ni-63 -	Co-60 concentration in µci/gm times 1.09 E^{+0}
Sr - 90	Cs 137 concentration in µci/gm times 2.61 E^{-4}
Tc - 99	Cs 137 concentration in µci/gm times < 3.14 E^{-5}
I-129-	Cs 137 concentration in µci/gm times < 7.35 E^{-5}
*Pu-239 -	Ce 144 concentration in µci/gm times 1.30 E^{-2}
*Pu-238 -	Pu 239 concentration in µci/gm times 1.24 E^{+0}
*Pu-241 -	Pu 239 concentration in µci/gm times 9.45 E^{+1}
*Am-241 -	Pu 239 concentration in µci/gm times 4.75 E^{-1}
*Cm-242 -	PU 239 concentration in µci/gm times 1.71 E^{+0}
*Cm-244 -	Pu 239 concentration in µci/gm times 7.59 E^{-1}

*This must then be converted to nci/gm for the shipment paperwork.

18.2 Resin - Primary

18.2.1 For the period from January 1, 1989 to December 31, 1989, the classification of primary resin shipped offsite for burial will be determined using Attachment XXVII. High Integrity Containers meet the stability requirements of 10 CFR Part 61.56. Resin shipped in these containers meeting the requirements of the Certificate of Compliance require no further stabilization.

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18.2.2 The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 4.88 E-^{2} µci/gm
C-14 - Co 60 concentration in µci/gm times 6.65 E-^{3}
Tc-99 - Cs 137 concentration in µci/gm times < 1.43 E-^{6}
I-129 - Cs 137 concentration in µci/gm times 7.57 E-^{7}
Ni-63 - Co 60 Concentration in µci/gm times 6.62 E-^{1}
Sr-90 - Cs 137 concentration in µci/gm times 8.41 E-^{4}
Fe-55 - Co 60 concentration in µci/gm times 1.27 E-^{1}
*Pu-239 - Ce 144 concentration in µci/gm times 1.14 E+^{2}
*Pu-238 - Pu 239 concentration in µci/gm times 9.66 E-^{1}
*Pu-241 - Pu 239 concentration in µci/gm times 1.46 E+^{2}
*Am-241 - Pu 239 concentration in µci/gm times 2.72 E-^{1}
*Cm-242 - Pu 239 concentration in µci/gm times 1.14 E+^{0}
*Cm-244 - Pu 239 concentration in µci/gm times 4.78 E-^{1}
*This must then be converted to nci/gm for the shipment of paperwork.

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18.3 <u>Unit 1 and 2 Steam Generator Blowdown Treatment Resin - Secondary</u>

18.3.1 For the period from January 1, 1988 to December 31, 1989 resin from the steam generator blowdown treatment system will be defined as Class A. The total quantity of the radionuclides must be calculated using the following concentrations:

	UNIT 1 (µci/gm)	UNIT 2 (µci/gm)
H-3	< 6.80 E-5	< 4.40 E-5
C-14	Co-60 (4.60 E-3)	Co-60 (1.80 E-2)
Tc-99	< 5.10 E-6	< 7.70 E-6
I-129	< 3.90 E-6	< 5.00 E-6
Ni-63	Co-60 (2.1 E-1)	Co-60 (4.4 E-1)
Sr-90	4.70 E-6	< 1.80 E-6
Fe-55	Co-60 (2.4 E-1)	Co-60 (1.5 E 0)

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	UNIT 1 (nci/gm)	UNIT 2 (nci/gm)
Pu-239,-240	< 6.50 E-5	< 4.70 E-5
Pu-241	< 4.60 E-2	< 1.90 E-2
Pu-238	< 1.90 E-4	< 1.00 E-4
Am-241	< 3.00 E-5	4.60 E-5
Cm-242	3.10 E-5	6.90 E-5
Cm-243,-244	3.50 E-5	6.30 E-5

18.4 Resin - Radwaste

18.4.1 For the period from January 1, 1989 to December 31, 1989, the classification of radwaste resin shipped offsite for burial will be determined using Attachment XXVII. This resin, shipped in High Integrity Containers meeting the requirements of the certificate of compliance, requires no further stabilization.

18.4.2 The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 8.84 E-3 µci/gm
C-14 - Co 60 concentration in µci/gm times 6.27 E^{-3}
Tc-99 - Cs 137 concentration in µci/gm times < 1.05 E^{-5}
I-129 - Cs 137 concentration in µci/gm times 7.74 E^{-6}
Ni-63 - Co-60 concentration in µci/gm times 4.78 E^{-1}
Sr-90 - Cs-137 concentration in µci/gm times 3.68 E^{-4}
Fe-55 - Co-60 concentration in µci/gm times 4.23 E^{-1}

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*Pu 239 - Ce 144 concentration in µci/gm times 9.98 E^{-3}
*Pu 238 - Pu 239 concentration in µci/gm times 1.55 E^{+0}
*Pu 241 - Pu 239 concentration in µci/gm times 1.05 E^{+2}
*Am 241 - Pu 239 concentration in µci/gm times 8.18 E^{-1}
*Cm 242 - Pu 239 concentration in µci/gm times 3.57 E^{+0}
*Cm 244 - Pu 239 concentration in µci/gm times 2.00 E^{+0}
*This must then be converted to nci/gm for shipment paperwork.

18.5 Dry Active Waste - Compressible and Non-Compressible

18.5.1 For the period from January 1, 1989 to December 31, 1989, dry active waste shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 4.24E^{-4}µci/gm
C-14 - Co 60 concentration in µci/gm times 4.45E^{-1}
Fe-55 - Co 60 concentration in µci/gm times 2.07 E^{+0}
Ni-63 - Co 60 concentration in µci/gm times 1.61 E^{+0}
Sr-90 - Cs 137 concentration in µci/gm times 2.73 E^{-2}
Tc-99 - Cs 137 concentration in µci/gm times 3.44 E^{-3}
I-129 - Cs 137 concentration in µci/gm times 1.68 E^{-3}
*Pu-239 - Ce 144 concentration in µci/gm times 9.98 E^{-3}
*Pu-238 - Pu 239 concentration in µci/gm times 8.41 E^{-1}
*Pu-241 - Pu 239 concentration in µci/gm times 2.97 E^{+1}
*Am-241 - Pu 239 concentration in µci/gm times 4.77 E^{-1}
*Cm-242 - Pu 239 concentration in µci/gm times 8.31 E^{-1}
*Cm-244 - Pu 239 concentration in µci/gm times 5.32 E^{-1}
*This must then be coverted to nci/gm for shipment paperwork.

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18.6 Filters

18.6.1 For the period from January 1, 1989 to December 31, 1989, the classification of radwaste filters shipped offsite for burial will be determined using Attachment XXVII. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 -	5.42 E^{-3} µci/gm
C-14 -	Co 60 concentration in µci/gm times 4.56 E^{-3}
Fe-55 -	Co 60 concentration in µci/gm times 5.88 E^{+0}
Ni-63 -	Co 60 concentration in µci/gm times 2.07 E^{+0}
Sr-90 -	Cs 137 concentration in µci/gm times 1.25 E^{-3}
Tc-99 -	Cs 137 concentration in µci/gm times 3.44 E^{-3}
I-129 -	Cs 137 concentration in µci/gm times 1.68 E^{-3}
*Pu-239 -	Ce 144 concentration in µci/gm times 8.45 E^{-3}
*Pu-238 _	Pu 239 concentration in µci/gm times 1.15 E^{+0}
*Pu-241 -	Pu 239 concentration in µci/gm times 1.10 E^{+2}
*Am-241 -	Pu 239 concentration in µci/gm times 8.21 E^{-1}
*Cm-242 -	Pu 239 concentration in µci/gm times 2.90 E^{+0}
*Cm-244 -	Pu 239 concentration in µci/gm times 1.39 $+^{0}$

*This must then be converted to nci/g for the shipment paperwork.

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18.6.2 For the period from January 1, 1989 to December 31, 1989, the classification of Spent Fuel Pool Filters shipped offsite for burial will be determined using Attachment XXVII. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3	-	5.42 E^{-3} µci/gm
C-14	-	Co 60 concentration in µci/gm times 2.4 E^{-3}
Fe-55	-	Co 60 concentration in µci/gm times 1.5 E^{+0}
Ni-63	-	Co 60 concentration in µci/gm time s 3.4 E^{-1}
Sr-90	-	Cs 137 concentration in µci/gm times < 1.0 E^{-2}
Tc-99	-	Cs 137 Concentration in µci/gm times 3.4 E^{-3}
I-129	-	Cs 137 concentration in µci/gm times 8.0 E^{-5}
*Pu-239	-	Ce 144 concentration in µci/gm times 1.0 E^{-2}
*Pu-238	-	Pu 239 concentration in µci/gm times 8.4 E^{-1}
*Pu-241	-	Pu 239 concentration in µci/gm times 3.0 E^{+1}
*Am-241	-	Pu 239 concentration in µci/gm time 4.8 E^{-1}
*Cm-242	-	Pu 239 conentration in µci/gm times 8.3 E^{-1}
*Cm-244	-	Pu 239 concentration in µci/gm times 5.3 E^{-1}

*This must then be converted to nci/gm for the shipment paperwork.

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18.6.3 For the period from January 1, 1989 to December 31, 1989, the classification of primary filters shipped offsite for burial will be determined using Attachment XXVII. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3	-	5.42 E^{-3} µci/gm
C-14	-	Co 60 concentration in µci/gm times 1.6 E^{-2}
Fe-55	-	Co 60 concentration in µci/gm times 1.7 E^{+0}
Ni-63	-	Co 60 concentration in µci/gm time s 3.3 E^{-1}
Sr-90	-	Cs 137 concentration in µci/gm times < 5.1 E^{-3}
Tc-99	-	Cs 137 Concentration in µci/gm times < 5.2 E^{-3}
I-129	-	Cs 137 concentration in µci/gm times 8.0 E^{-5}
*Pu-239	-	Ce 144 concentration in µci/gm times 4.9 E^{-3}
*Pu-238	-	Pu 239 concentration in µci/gm times 1.2 E^{+0}
*Pu-241	-	Pu 239 concentration in µci/gm times 1.8 E^{+2}
*Am-241	-	Pu 239 concentration in µci/gm time 3.6 E^{-1}
*Cm-242	-	Pu 239 conentration in µci/gm times 6.3 E^{+0}
*Cm-244	-	Pu 239 concentration in µci/gm times 1.1 E^{+0}

*This must then be converted to nci/gm for the shipment paperwork.

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INDIANA MICHIGAN POWER

Form 5326

DONALD C. COOK NUCLEAR PLANT

PROCEDURE COVER SHEET

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Procedure No. 12 PMP 3150 PCP.001	
Revision No. 11	

TITLE RADIOACTIVE WASTE PROCESS CONTROL MANUAL

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SCOPE OF REVISION

REV. 11 - Minor Revision, marginal markings used. Revision done to allow the use of a waste tracking and manifesting system in place of manual calculations and Radioactive Shipping Manifest completion. In addition, the revision allows the use of a contracted offsite facility for processing and shipping of radwaste for burial. Added updated classification program scaling factors.

SIGNATURES	REVISION NUMBER			
• • • • • •	REV. 11			
PREPARED BY	[illegible]			
DEPARTMENT HEAD APPROVAL	James Lipsch			
INTERFACING DEPARTMENT HEAD CONCURRENCE	NA NA NA			
QUALITY ASSURANCE SUPERVISOR APPROVAL	[illegible]			
PLANT NUCLEAR SAFETY COMMITTEE	Mtg #2340			
PLANT MANAGER APPROVAL	[illegible]			
APPROVAL DATE	3-23-89			
EFFECTIVE DATE	3-27-89			

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2.33 Low-Level Radioactive Waste Policy Amendments Act of 1985.

2.34 12 THP 6010 ENV.022

2.35 12 THP 6010 ENV.023

2.36 SAIC, Scaling Factor Determination Report Number 5, Revision 1, Date February 21, 1989.

3.0 PRECAUTIONS

3.1 No oil or petroleum products will be poured into any Auxiliary Building floor drains. All oils removed from any pump, etc. in the Auxiliary Building or containment area must be placed into a container, and removed from the area. All spills must be kept from entering floor drains and must be cleaned up immediately.

3.2 No package will be loaded for shipment if it has any indication of a hole, failure, or weak spot. Any package which has an opening or weak spot must be labeled "Do Not Ship." Particular attention will be paid to welds, insuring no holes, failures or weak spots exist. Any package which has a hole, failure or weak spot and is marked "Do Not Ship" will be placed in a larger package for shipment or will be emptied and cut up or crushed prior to placing in a package for shipment.

3.3 The use of any epoxy materials to seal any openings in a package for shipment of radioactive material is strictly prohibited.

3.4 The shipment of 1000 gallon and 1500 gallon tanks manufactured by Highland Tank Co., for radioactive waste is strictly prohibited.

3.5 No Type B fissile class radioactive material shipments shall be made without an approved procedure for fissile class Type B shipments.

3.6 Consideration has been given to our waste management program to ensure that actions have been implemented to segregate hazardous waste as defined by the EPA regulations, from low-level radioactive waste.

3.7 The use of temporary shielding (such as metal shoring or lead sheets) banded or attached to the package so as to conform to applicable regulatory limits for external radiation is not authorized unless it is specifically provided for in the Certificate of Compliance issued by the NRC.

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Prepare test as follows allowing at least one hour for each test to solidify. If each test doesn't solidify, go to the next set of parameters.

	TEST			=	LINER	
	mls Waste	gm Cement	gm Sodium Meta Silicate (Anhydrous)	gallons Waste	bags Cement	bags Sodium Meta Silicate (Anhydrous)
1.	400	505	84.2	812	91	14
2.	400	523	75.4	712	83	11
3.	375	567	82.3	668	88	12
4.	350	592	89.1	623	94	13
5.	325	624	96.0	579	99	14

Test solidification for regular HN-100 liners.

	TEST			=	LINER	
	mls Waste	gm Cement	gm Sodium Meta Silicate (Anhydrous)	gallons Waste	bags Cement	bags Sodium Meta Silicate (Anhydrous)
1.	438	479	68.6	780	76	10

6.6.2 Packages of cement solidified liquid wastes will be held for a minimum of twenty four (24) hours after solidifications, and verification of compliance will be just prior to loading for shipment and will be documented on Attachment II. Insure the cement is solidified before closure of the container.

6.6.3 Solidification of liquids other than evaporator bottoms may become necessary and will be done such that compliance with all the appropriate regulations is verified prior to shipment.

7.0 COMPRESSIBLES WASTE

NOTE: Compressible waste may be shipped to a contracted processing facility. The contracted facility may segregate the non-radioactive materials from the radioactive materials and package and ship the radioactive materials for burial as radioactive waste.

7.1 Contaminated or potentially contaminated compressible waste is normally taken to a designated area near the hydraulic baler. The waste being sent directly for burial will be compressed in drums.

7.2 Waste being sent to an offsite processor will be loaded into appropriate shipping containers.

7.3 Material which would be in noncompliance with the appropriate regulations will not be placed into a package.

7.4 All packages which have been filled will be documented as to the package number, description of the contents, date and initials of person filling package. Each package will be sealed and stored until loaded for shipment and burial.

7.5 Prior to loading, the package must be checked by Radioactive Materials Control personnel or a designee for any indication of holes, failures or weak spots at the seams, welds or otherwise.

8.0 SLUDGE LANCE FILTERS

NOTE: Sludge lance filters may be shipped to a contracted processing facility. The contracted facility may segregate the non-radioactive materials from the radioactive materials and package and ship the radioactive materials for burial as radioactive waste.

8.1 All sludge lance filters shall be accumulated after each refueling outage and counted by the chemistry lab for specific activity. The specific activity of the filters will be used to determine the method of packaging and shipping. They will then be transported to the 587' drumming room where they will be processed.

8.2 Follow the methodology outlined 12 THP 6010 ENV.020, Processing wet, Radioactively Contaminated Mopheads, starting with step 4.3 and ending with step 4.8 to process the sludge lance filters.

8.3 Sludge lance filters containing radionuclides with greater than five year half-lives having a specific activity less than 1 uCi/cc, may be packaged and shipped for disposal in accordance with 12 THP 6010 RAD.303 Solid Waste Handling and Drumming.

8.4 Sludge lance filters containing radionuclides with greater than five year half-lives having a specific activity greater than 1 uCi/cc, may be packaged and shipped for disposal in accordance with 12 PMP 3150 PCP.001, Radioactive Waste Process Control Manual and 12 THP 6010 ENV.022, High Integrity Containers.

10.0 NONCOMPRESSIBLE WASTE-INCLUDING ABSOLUTE, and HEPA FILTERS

NOTE: Non-compressible wastes may be shipped to a contracted processing facility. The contracted facility may segregate non-radioactive materials from the radioactive materials and package and ship the radioactive materials for burial as radioactive waste.

10.1 All miscellaneous noncompressible waste should be placed in a metal box as soon as possible after determination the item is to be disposed of. No liquid or damp items of any kind are to be placed in metal boxes. No metal box is to be sealed until it has been visually inspected by Radioactive Materials Control Section personnel or a designee, has been numbered and a description of the contents, including approximate item size and amount, is documented.

NOTE: Any box which is greater than 640 cubic feet must be placarded on both sides and both ends. See reference 2.1, Part 172.

11.0 RESINS

11.1 Spent resins are normally transferred to the spent resin storage tank to await packaging for shipment, or directly to a liner from the radwaste demineralization system. The proper liner and cask to be used for the resin shipment will be determined by the activity of the resin and those that are available from Chem-Nuclear and Westinghouse Hittman Nuclear, as described in their Radwaste Handling Service Manuals. After the proper cask is decided upon and it is received at the plant, it should be prepared for shipment by using 12 THP 6010 ENV.021, 12 THP 6010 ENV.023, 12 THP 6010 ENV.005, "Resin Transfer From Spent Resin Storage Tank to a Cask", 12 THP 6010 ENV.013, "Sluicing Resin From the Duratek Demineralization System", and this Process Control Procedure.

11.2 When the package is full, it will be periodically checked for free-standing water until it is shipped. Each time the package is inspected, it will include dewatering the package. This will be done by either pumping the liquid off the top, draining, or pulling water from the bottom of the package. Heat enhanced dewatering will be performed using the methodology in 12 THP 6010 ENV.014 - Operation of the Duratek Heat Enhanced Dewatering (HED) System. Each different type of package used, will be tested, such that the volume of liquid which may be remaining in the package, is known for each dewatering method. The volume which could be remaining will always be under the volume allowed by the NRC, DOT, and burial site regulations at the time of shipping.

11.3 If regulations require resin to be solidified, it will be done after dewatering and by using the current solidification outline, which follows, and Attachment IV.

16.2 The following will be the order in which the Radioactive Shipment Manifests (RSM) are to be completed prior to any forms being distributed to the respective personnel.

NOTE:RSM's may be generated using a computerized waste tracking and manifesting system. Computer generated RSM's must be in an acceptable format as defined by the recipient of the shipment.

1. Completion of shipping records
2. RP Supervisor for signature on survey (Attachment XIV)
3. Radioactive Materials Control Section for signature and correction check on RSM forms.
4. Carrier for signature
5. Three (3) copies of the Chem Nuclear (RSM), and U.S. Ecology, Inc. (RSM) are to be made.

16.3 The originals of the Shipping Papers will go to the following personnel, with copies also listed:

D. C. COOK NUCLEAR PLANT

Michigan Public Health/Indiana State Police Notification Form
Radioactive Waste Shipment Notification Form
Radioactive Waste Shipment Checkoff Sheet
Truck/Trailer or Truck/Van Inspection Check-Off Sheet
Original To Radioactive Materials Control Section
Demineralizer Resin Calculation Sheet
Original To Driver
1 Copy To Radioactive Materials Control Section
Certification Statement For Disposal of Radlok High Integrity Containers
Original To Driver
1 Copy To Radioactive Materials Control Section
Certification Statement For Disposal of TFC High Integrity Containers
Original To Driver
1 Copy To Radioactive Materials Control Section
Instructions to Drivers of Exclusive Use Vehicles
Original To Driver
1 Copy To Radioactive Materials Control Section

BARNWELL WASTE MANAGEMENT FACILITY - RSM

Original and 1 copy To Driver
1 Copy To Radioactive Materials Control Section
1 Copy To Stores
1 Copy To WHNI

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STATE OF S. C. PN&M AND CERTIFICATION FORMS

3 Copies	South Carolina Prior Notification and Manifest Form to Driver
1 Copy	South Carolina Prior Notification and Manifest Form to Radioactive Materials Control Section
Original	South Carolina Radioactive Waste Shipment Certification Form to Driver
1 Copy	South Carolina Radioactive Waste Shipment Certification Form to Radioactive Materials Control Section

U.S. ECOLOGY, INC. RSM

Original and 1 Copy	To Driver
1 Copy	To U.S. Eology via Mail
1 Copy	To Radioactive Materials Control Section
1 Copy	To Stores
1 Copy	To WHNI

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AT THE TIME OF DEPARTURE OF THE RADIOACTIVE WASTE TRANSPORT VEHICLE, THE RESPECTIVE PARTIES WILL HAVE THE FOLLOWING SHIPMENT PAPERWORK, AS FOLLOWS AND AS APPLICABLE:

DRIVER OF TRANSPORT VEHICLE

Original	Instruction to Drivers of Exclusive Use Vehicles
Original	Washington Low Level Radioactive Waste Shipment Certification
Original and 1 Copy	Barnwell Waste Management Facility (RSM)
*1 Copy	Resin Gamma Spectrum Printout
Original and 1 Copy	U.S. Ecology, Inc. (RSM)
Original	Nevada Low Level Radioactive Waste Shipment Certification
*Original	Demineralizer Resin Calculation Sheet
Original	Nevada Certification
3 Copies	South Carolina Prior Notification and Manifest Form
1 Copy	South Carolina Radioactive Waste Shipment Certification
1 Copy	Radioactive Waste Truck Radiation/ Contamination Survey
Original	Certification Statement For Disposal of Radlok High Integrity Containers
Original	Certification Statement For Disposal of TFC High Integrity Containers
Original	Class "C" Waste Certification Record

NOTE: The driver of the transport vehicle will be given two or more extra placards/placard holders for replacement purposes if any of the affixed placards become lost or damaged during transit. For transport vehicles which the placard holder is permanently affixed on all four (4) sides, extra placards will not need to be given to the driver.

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*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

RADIOACTIVE MATERIALS CONTROL SECTION

Copy	Barnwell Waste Management Facility (RSM)
Original	Michigan Public Health/Indiana State Police Notification Form
Original	Radioactive Waste Shipment Notification Form
Original	Radioactive Waste Shipment Checkoff Sheet
Copy	Radiation/Contamination Truck Survey
*Copy	Resin Gamma Spectrum Printout
Copy	U.S. Ecology, Inc. (RSM)
Copy	Nevada Low Level Radioactive Waste Shipment Certification
Copy	Nevada Certification
Copy	Washington Low Level Radioactive Waste Shipment Certification
Copy	South Carolina Prior Notification and Manifest Form
Copy	South Carolina Radioactive Waste Shipment Certification
Original	Truck/Trailer or Truck/Van Inspection Check-Off Sheet
*Copy	Demineralizer Resin Calculation Sheet
Copy	Certification Statement For Disposal of Radlok High Integrity Containers.
Copy	Certification Statement For Disposal of TFC High Integrity Containers
Copy	Instructions To Drivers of Exclusive Use Vehicles
Copy	Class "C" Certification Record

RADIATION PROTECTION SECTION

Original	Radiation/Contamination Truck Survey

17.0 ACKNOWLEDGEMENT OF SHIPMENT

17.1 Within seven (7) days after the estimated time of arrival at the designated burial site or waste processor, a signed copy of the manifest verifying receipt of the shipment shall be received by the Plant. If acknowledgement of the shipment has not been received, initiate the requirements of 10 CFR 20.311.

*Only when resin is being shipped. A gamma spectrum printout and a Demineralizer Resin calculation sheet must be provided for each package containing resin being shipped.

18.0 WASTE CLASSIFICATION

NOTE: Waste classification may be determined using a computerized waste tracking and manifesting system. The manual methods described below, are equally acceptable.

18.1 Evaporator Concentrates

18.1.1 For the period from January 1, 1989 to December 31, 1989, evaporator concentrates shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 -	measured or default (2.72 E^{-2} µci/gm)
C-14 -	Co-60 concentration in µci/gm times 7.91 E^{-3}
Fe-55 -	Co-60 concentration in µci/gm times 9.23 E^{-1}
Ni-63 -	Co-60 concentration in µci/gm times 1.09 E^{+0}
Sr - 90	Cs 137 concentration in µci/gm times 2.61 E^{-4}
Tc - 99	< 3.14 E^{-5} µci/gm
I-129-	< 7.35 E^{-5} µci/gm
*Pu-239 -	Ce 144 concentration in µci/gm times 1.30 E^{-2}
*Pu-238 -	Pu 239 concentration in µci/gm times 1.24 E^{+0}
*Pu-241 -	Pu 239 concentration in µci/gm times 9.45 E^{+1}
*Am-241 -	Pu 239 concentration in µci/gm times 4.75 E^{-1}
*Cm-242 -	PU 239 concentration in µci/gm times 1.71 E^{+0}
*CM-244 -	Pu 239 concentration in µci/gm times 7.59 E^{-1}

*This must then be converted to nci/gm for the shipment paperwork.

VOID
NOT FOR PLANT USE
SEE DOCUMENT #

18.2 Resin - Primary

18.2.1 For the period from January 1, 1989 to December 31, 1989, the classification of primary resin shipped offsite for burial will be determined using Attachment XXVII. High Integrity Containers meet the stability requirements of 10 CFR Part 61.56. Resin shipped in these containers meeting the requirements of the Certificate of Compliance require no further stabilization.

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Resin shipped in non-High Integrity Containers must be stabilized as required by 10 CFR Part 61.56. The vendor is responsible for meeting the stability requirements and presenting to the Plant the latest revision of their topical report.

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18.2.2 The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 4.88 E-^{2} µci/gm
C-14 - Co 60 concentration in µci/gm times 6.65 E-^{3}
TC-99 - <1.43 E-^{6} µci/gm
I-129 - Cs 137 concentration in µci/gm times 7.57 E-^{7}
Ni-63 - Co 60 Concentration in µci/gm times 6.62 E-^{1}
Sr-90 - Cs 137 concentration in µci/gm times 8.41 E-^{4}
Fe-55 - Co 60 concentration in µci/gm times 1.27 E-^{1}
*Pu-239 - Ce 144 concentration in µci/gm times 1.14 -^{2}
*Pu-238 - Pu 239 concentration in µci/gm times 9.66 E-^{1}
*Pu-241 - Pu 239 concentration in µci/gm times 1.46 E+^{2}
*Am-241 - Pu 239 concentration in µci/gm times 2.72 E-^{1}
*Cm-242 - Pu 239 concentration in µci/gm times 1.14 E+^{0}
*Cm-244 - Pu 239 concentration in µci/gm times 4.78 E-^{1}

*This must then be converted to nci/gm for the shipment of paperwork.

18.3 <u>Unit 1 and 2 Steam Generator Blowdown Treatment Resin - Secondary</u>

18.3.1 For the period from January 1, 1988 to December 31, 1989 resin from the steam generator blowdown treatment system will be defined as Class A. The total quantity of the radionuclides must be calculated using the following concentrations:

	UNIT 1 (µci/gm)	UNIT 2 (µci/gm)
H-3	< 6.80 E-5	< 4.40 E-5
C-14	Co-60 (4.60 E-3)	Co-60 (1.80 E-2)
Tc-99	< 5.10 E-6	< 7.70 E-6
I-129	< 3.90 E-6	< 5.00 E-6
Ni-63	Co-60 (2.1 E-1)	Co-60 (4.4 E-1)
Sr-90	4.70 E-6	< 1.80 E-6
Fe-55	Co-60 (2.4 E-1)	Co-60 (1.5 E 0)

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VOID
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	UNIT 1 (nci/gm)	UNIT 2 (nci/gm)
Pu-239,-240	< 6.50 E-5	< 4.70 E-5
Pu-241	< 4.60 E-2	< 1.90 E-2
Pu-238	< 1.90 E-4	< 1.00 E-4
Am-241	< 3.00 E-5	4.60 E-5
Cm-242	3.10 E-5	6.90 E-5
Cm-243,-244	3.50 E-5	6.30 E-5

18.4 Resin - Radwaste

18.4.1 For the period from January 1, 1989 to December 31, 1989, the classification of radwaste resin shipped offsite for burial will be determined using Attachment XXVII. This resin, shipped in High Integrity Containers meeting the requirements of the certificate of compliance, requires no further stabilization.

18.4.2 The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 8.84 E-3 µci/gm
C-14 - Co 60 concentration in µci/gm times 6.27 E^{-3}
TC-99 - < 1.05 E-5 µci/gm
I-129 - Cs 137 concentration in µci/gm times 7.74 E^{-6}
Ni-63 - Co-60 concentration in µci/gm times 4.78 E^{-1}
Sr-90 - Cs-137 concentration in µci/gm times 3.68 E^{-4}
Fe-55 - Co-60 concentration in µci/gm times 4.23 E^{-1}

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VOID
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*Pu 239 - CE 144 concentration in µci/gm times 9.98 E^{-3}
*Pu 238 - Pu 239 concentration in µci/gm times 1.55 E^{+0}
*PU 241 - Pu 239 concentration in µci/gm times 1.05 E^{+2}
*Am 241 - Pu 239 concentration in µci/gm times 8.18 E^{-1}
*Cm 242 - Pu 239 concentration in µci/gm times 3.57 E^{+0}
*Cm 244 - Pu 239 concentration in µci/gm times 2.00 E^{+0}
*This must then be converted to nci/gm for shipment paperwork.

18.5 Dry Active Waste - Compressible and Non-Compressible

18.5.1 For the period from January 1, 1989 to December 31, 1989, dry active waste shipped offsite for burial will be defined as Class A waste. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 - 6.18E^{-4}µci/gm
C-14 - Co 60 concentration in µci/gm times 9.55 E^{-3}
Fe-55 - Co 60 concentration in µci/gm times 1.89 E^{+0}
Ni-63 - Co 60 concentration in µci/gm times 4.19 E^{-1}
Sr-90 - Cs 137 concentration in µci/gm times 1.23 E^{-2}
Tc-99 - Cs 137 concentration in µci/gm times 3.44 E^{-3}
I-129 - Cs 137 concentration in µci/gm times 8.00 E^{-5}
*Pu-239 - Ce 144 concentration in µci/gm times 9.98 E^{-3}
*Pu-238 - Pu 239 concentration in µci/gm times 1.26 E^{+0}
*PU-241 - Pu 239 concentration in µci/gm times 1.02 E^{+2}
*Am-241 - Pu 239 concentration in µci/gm times 5.74 E^{-1}
*Cm-242 - Pu 239 concentration in µci/gm times 5.13 E^{-1}
*Cm-244 - Pu 239 concentration in µci/gm times 5.78 E^{-1}
*This must then be coverted to nci/gm for shipment paperwork.

VOID
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SEE DOCUMENT #

VOID
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18.6 Filters

18.6.1 For the period from January 1, 1989 to December 31, 1989, the classification of filters shipped offsite for burial will be determined using Attachment XXVII. The total quantity of the radionuclides must be calculated using the following concentrations:

H-3 -	5.42 E^{-3} µci/gm
C-14 -	Co 60 concentration in µci/gm times 1.60 E^{-2}
Fe-55 -	Co 60 concentration in µci/gm times 5.88 E^{+0}
Ni-63 -	Co 60 concentration in µci/gm times 2.07 E^{+0}
Sr-90 -	Cs 137 concentration in µci/gm times 1.25 E^{-3}
Tc-99 -	Cs 137 concentration in µci/gm times 3.44 E^{-3}
I-129 -	Cs 137 concentration in µci/gm times 1.68 E^{-3}
*Pu-239 -	Ce 244 concentration in µci/gm times 1.00 E^{-2}
*Pu-238 -	Pu 239 concentration in µci/gm times 1.20 E^{+0}
*Pu-241 -	Pu 239 concentration in µci/gm times 1.80 E^{+2}
*Am-241 -	Pu 239 concentration in µci/gm times 8.21 E^{-1}
*Cm-242 -	Pu 239 concentration in µci/gm times 6.30 $+^{0}$
*Cm-244 -	Pu 239 concentration in µci/gm times 1.39 $+^{0}$

*This must then be converted to nci/g for the shipment paperwork.

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DOCUMENT #

VOID
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19.0 TRAINING

19.1 Receipt, packaging and shipping of radioactive and fissile material will be performed by trained personnel in their respective tasks or under the direct supervision of trained personnel in the implementing procedures of PMI-3150. The frequency of this training shall be determined by the cognizant department superintendent.

19.2 Specific training in packaging and shipping of radioactive and fissile material for radwaste handling supervisors, and other personnel as assigned by the Technical Superintendent-Physical Science, shall be conducted at least once per calendar year.

20.0 PACKAGE CURIE CONTENT DETERMINATION

NOTE: A computerized waste tracking and manifesting system may be used to determine package curie content. The manual methods described below are equally acceptable.

20.1 Evaporator Concentrates

20.1.1 Use Attachment XXV and Section 18.1.

20.2 Resin - Primary

20.2.1 Use Attachment XXII and Section 18.2.

20.3 Dry Active Waste

20.3.1 Use Attachment XXXI - XXXIV, as applicable, and Section 18.5.

20.4 Resin - Radwaste

20.4.1 Use concentrations from lab or vendor analysis, volume/weight of resin and Section 18.4.

20.5 Resin - Secondary

20.5.1 Use concentrations from lab or vendor analysis, volume/weight of resin and Section 18.3.

20.6 Filters

20.6.1 Use concentrations from lab or vendor analysis, volume/weight of filters and Section 18.6.

WASTE CLASSIFICIATION WORK SHEET

nstructions for Completion

1. Complete column A by filling in the concentration for all isotopes in μCi/cc, except for TRU, Pu-241, and CM-242 which are entered in NANO Ci/gm.

2. TRU is an abbreviation for all α emitting transuranics with a halflife ≥5 years, excluding Pu-241 and CM-242.

3. In Table 2, total ½ Life ≤5 yrs, is the total concentration of isotopes with a halflife of ≤5 years.

4. It may be necessary to convert concentrations from μCi/gm to μCi/cc or NANO Ci/gm. For conversion to μCi/cc use the internal volume of the package the waste is being shipped in or the actual volume of the waste if the package is not homogeneously filled.

5. Perform the functions at the top of Table 1, Column C and E and Table 2, Columns C,E, and G, and total the fractions for each column.

TABLE 1

	A	B	C	D	E
	CONCENTRATION IN μCi/cc OR nCi/gm	LIMIT IN μCi/cc OR nCi/gm FOR CLASS A	COLUMN A÷ COLUMN B	LIMIT IN μCi/cc OR nCi/gm for Class C	COLUMN A ÷ COLUMN D
.4		$8.0\ E^{-1}$		$8.0\ E^{+0}$	
Tc-99		$3.0\ E^{-1}$		$3.0\ E^{+0}$	
I-129		$8.0\ E^{-3}$		$8.0\ E^{-2}$	
TRu		$1.0\ E^{+1}$		$1.0\ E^{+2}$	
Pu-241		$3.5\ E^{+2}$		$3.5\ E^{+3}$	
Cm-242		$2.0\ E^{+3}$		$2.0\ E^{+4}$	
TOTAL					

TABLE 2

	A	B	C	D	E	F	G
	CONCENTRATION IN IN μCi/cc	LIMIT IN μCi/cc FOR CLASS A	COLUMN A÷ COLUMN B	LIMIT IN μCi/cc FOR CLASS B	COLUMN A÷ COLUMN D	LIMIT IN μCi/cc FOR CLASS C	COLUM A COLUM F
H-3		$4.0\ E^{+1}$		NO LIMIT		NO LIMIT	
Co-60		$7.0\ E^{+2}$		NO LIMIT		NO LIMIT	
Ni-63		$3.5\ E^{+0}$		$7.0\ E^{+1}$		$7.0\ E^{+2}$	
Sr-90		$4.0\ E^{-2}$		$1.5\ E^{+2}$		$7.0\ E^{+3}$	
Cs-137		$1.0\ E^{+0}$		$4.4\ E^{+1}$		$4.6\ E^{+3}$	
½ LIFE ≤5 yrs		$7.0\ E^{+2}$		NO LIMIT		NO LIMIT	
TOTAL							

6. If the Total for Table 1, Column C or Table 2, Column C is ≥1 the Waste is ≥ Class A
7. If the Total for Table 2, Column E is ≥ 1, the Waste is ≥ Class B
   If the Total for Table 1, Column E or Table 2, Column G is ≥1 the Waste is ≥ Class C

6.0 Waste Classification - Dry Waste - DAW/Filter Media

NOTE: Filters with activities greater than 1 microcurie/cubic centimeter of radionuclides with a greater than 5 year half life will be shipped for burial in high integrity containers using the methodology in 12 THP 6010 ENV.022. Complete radiological analyses (both quantitative and qualitative must be included with the shipment paperwork. The specific activity of each radionuclide in microcuries/cubic centimeter and transuranics in nanocuries/gram must be specified.

1) Measure the dose rate (mR/hr.) at 1 meter from the package or filter.
2) Calculate the quantity of gamma emitters using the dose rate and the isotopic distribution.
3) From reactor coolant crud concentrations, or specific scaling ratios determined from the plant sampling program, correlate the Part 61 radionuclides.
4) Using the Waste Classification Work Sheet (Attachment XXVII), determine the quotients of each radionuclide concentration and its Class A, B, C limits.
5) Sum the quotients. If the quotient sum is less than or equal to unity (≤ 1) for a class, the waste meets the requirements for that class.

7.0 Scaling Radionuclides

7.1 The following are key isotopes that are readily measured that can be correlated to those listed in the Waste Classification Table (Attachment XXVII) which are not readily measured for the waste streams identified:

SCALED RADIONUCLIDE	BASIC RADIONUCLIDE
H-3	Reactor Coolant System H-3
C-14	Co-60
TC-99	CS-137
I-129	CS-137
Ni-63	Co-60
Sr-90	Cs-137
TRU	Ce-144
PU-241	Ce-144
Cm-242	Ce-144
Fe-55	Co-60

4.3 Determine whether the radioactive waste contains any hazardous wastes specifically listed in Subpart D of 40 CFR Part 261, from PMI-2160, Chemical Permits.

4.4 Determine whether the radioactive waste contains hazardous waste that causes the waste to exhibit any of the hazardous waste characteristics identified in Subpart C of 40 CFR 261 by collecting representative samples for testing.

4.5 Samples shall be processed into their normal form for transportation and burial. For example, sludges are solidified for burial so the sample should be solidified prior to testing. The parameters used to solidify the sample should be the same as would be used for full scale processing.

4.6 Have the final waste form samples analyzed for a particular hazardous chemical if one has been identified in 4.3, or for the hazardous characteristics of 4.4.

4.7 If the analysis results in the waste as not being classified as a mixed waste it may be disposed under normal plant procedures.

4.8 If the analysis results in the waste being classified as a mixed waste it should be held on site until such time that an appropriate disposal facility is available, unless approved per Section 6.0.

5.0 Sampling Frequency

5.1 Samples of radwaste resin, evaporator concentrates and sludges should be collected annually and sent offsite for RCRA Waste Characterization.

6.0 Exceptions

6.1 The Barnwell site (licensee: Chem.-Nuclear) may receive waste that has been treated by acceptable methods to render it non-hazardous and therefore not subject to the jurisdiction of the Resources Conservation and Recovery Act (RCRA). Waste which may contain discreet quantities of hazardous or toxic materials may be evaluated for disposal by Chem-Nuclear and such evaluations provided to the South Carolina Department of Health and Environmental Control (DHEC) for consideration of approval.

APPENDIX 4.0

Offsite Dose Calculation Manual (ODCM) Changes

FORM 5329
Revised 9/87

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APR 21 1989
VOLUME #

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
INSTRUCTION AND PROCEDURE CHANGE SHEET

INSTRUCTION OR PROCEDURE NO.: PMP 6010 OSD.001 REVISION NO.: 2 CHANGE SHEET NO.: 7

TITLE: Offsite Dose Calculation Manual

ORIGINATED BY: [signature] DATE: 4-13-89
MANAGEMENT STAFF: [signature] DATE: 4-13-89
SENIOR REACTOR OPERATOR: [signature] DATE: 4-13-89
Q.A. SUPERVISOR: [signature] DATE: 4-19-89
PNSRC: Mtg. #2249 DATE: 4-20-89
PLANT MANAGER: [signature] DATE: 4/20/89

PROCEDURE SUBC. [signature] DATE 4-18-89 EXPIRATION DATE: 3/1/90

DESCRIPTION OF CHANGE

1) Update the X/Q and D/Q values from 1987 to 1988 values.
2) Changed the method used for describing what X/Q or D/Q should be used.

REASON(S) FOR CHANGE

1) Required by the ODCM
2) Avoid confusion on what value to use

INSTRUCTIONS FOR INCORPORATING CHANGE

Replace the following:

List of Effective Pages, Page 4 of 6, Rev. 2, CS-1,CS-4, CS-6 with Page 4 of 6, Rev. 2, CS-1, CS-4, CS-6, CS-7.

Attachment 3.17, Page 1 of 1, Rev. 2, CS-1, CS-4 with Page 1 of 1, Rev. 2 CS-1, CS-4, CS-7.

Attachment 3.18, Page 1 of 1, Rev. 2, CS-1, CS-4 with Page 1 of 1, Rev. 2 CS-1, CS-4, CS-7

LIST OF EFFECTIVE PAGES

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χ/Q GROUND AVERAGE (sec/m³)

01JAN88 - 31DEC88

DIRECTION (WIND FROM)	DISTANCE 594.	2416.	4020.	5630.	7240.
N	3.96E-06	4.99E-07	2.36E-07	1.40E-07	9.84E-08
NNE	2.77E-06	3.45E-07	1.63E-07	9.68E-08	6.78E-08
NE	2.62E-06	3.29E-07	1.58E-07	9.48E-08	6.67E-08
ENE	3.32E-06	4.22E-07	2.01E-07	1.20E-07	8.44E-08
E	3.23E-06	4.06E-07	1.96E-07	1.18E-07	8.37E-08
ESE	2.96E-06	3.63E-07	1.76E-07	1.07E-07	7.56E-08
SE	4.57E-06	5.52E-07	2.71E-07	1.65E-07	1.17E-07
SSE	5.48E-06	6.73E-07	3.26E-07	1.97E-07	1.39E-07
S	7.38E-06	9.01E-07	4.44E-07	2.72E-07	1.93E-07
SSW	9.15E-06	1.09E-06	5.40E-07	3.33E-07	2.37E-07
SW	7.17E-06	8.74E-07	4.26E-07	2.58E-07	1.83E-07
WSW	5.69E-06	6.83E-07	3.30E-07	1.99E-07	1.41E-07
W	3.57E-06	4.36E-07	2.07E-07	1.24E-07	8.70E-08
WNW	4.04E-06	4.97E-07	2.38E-07	1.43E-07	1.01E-07
NW	3.82E-06	4.82E-07	2.27E-07	1.34E-07	9.44E-08
NNW	4.67E-06	6.00E-07	2.80E-07	1.65E-07	1.16E-07

CS-7

CS-1

CS-4

DIRECTION (WIND FROM)	DISTANCE 12067.	24135.	40225.	56315.	80500.
N	4.93E-08	1.92E-08	9.54E-09	6.10E-09	3.82E-09
NNE	3.39E-08	1.32E-08	6.55E-09	4.19E-09	2.63E-09
NE	3.36E-08	1.32E-08	6.62E-09	4.25E-09	2.68E-09
ENE	4.27E-08	1.68E-08	8.37E-09	5.37E-09	3.38E-09
E	4.24E-08	1.69E-08	8.46E-09	5.44E-09	3.44E-09
ESE	3.82E-08	1.52E-08	7.62E-09	4.90E-09	3.10E-09
SE	5.99E-08	2.41E-08	1.21E-08	7.76E-09	4.94E-09
SSE	7.08E-08	2.82E-08	1.41E-08	9.04E-09	5.72E-09
S	9.87E-08	3.98E-08	2.00E-08	1.29E-08	8.21E-09
SSW	1.22E-07	4.95E-08	2.49E-08	1.60E-08	1.02E-08
SW	9.34E-08	3.73E-08	1.87E-08	1.20E-08	7.60E-09
WSW	7.14E-08	2.83E-08	1.41E-08	9.02E-09	5.71E-09
W	4.36E-08	1.70E-08	8.44E-09	5.39E-09	3.38E-09
WNW	5.05E-08	1.98E-08	9.88E-09	6.33E-09	3.98E-09
NW	4.73E-08	1.84E-08	9.12E-09	5.82E-09	3.64E-09
NNW	5.84E-08	2.27E-08	1.12E-08	7.16E-09	4.48E-09

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
ESE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

Current X/Q = 9.15 E-6 sec/m³
in Sector B

CS-7

D/Q DEPOSITION (1/m²)

01JAN88 - ~~31DEC87~~ DCN
31DEC88 4-18-89

DIRECTION (WIND FROM)	DISTANCE 594.	2416.	4020.	5630.	7240.
N	1.98E-08	1.91E-09	8.65E-10	4.54E-10	2.90E-10
NNE	1.43E-08	1.38E-09	6.25E-10	3.28E-10	2.09E-10
NE	1.07E-08	1.03E-09	4.67E-10	2.45E-10	1.56E-10
ENE	1.09E-08	1.05E-09	4.75E-10	2.49E-10	1.59E-10
E	1.07E-08	1.04E-09	4.70E-10	2.47E-10	1.57E-10
ESE	1.09E-08	1.05E-09	4.75E-10	2.49E-10	1.59E-10
SE	1.86E-08	1.79E-09	8.14E-10	4.27E-10	2.72E-10
SSE	2.34E-08	2.26E-09	1.03E-09	5.39E-10	3.44E-10
S	2.52E-08	2.43E-09	1.10E-09	5.79E-10	3.69E-10
SSW	3.15E-08	3.04E-09	1.38E-09	7.23E-10	4.61E-10
SW	3.20E-08	3.09E-09	1.40E-09	7.35E-10	4.69E-10
WSW	2.75E-08	2.65E-09	1.20E-09	6.31E-10	4.03E-10
W	2.10E-08	2.03E-09	9.20E-10	4.83E-10	3.08E-10
WNW	2.21E-08	2.14E-09	9.70E-10	5.09E-10	3.25E-10
NW	2.18E-08	2.10E-09	9.54E-10	5.01E-10	3.19E-10
NNW	2.18E-08	2.10E-09	9.53E-10	5.00E-10	3.19E-10

CS-7

CS-1

CS-4

DIRECTION (WIND FROM)	DISTANCE 12067.	24135.	40225.	56315.	80500.
N	1.21E-10	3.94E-11	1.45E-11	7.74E-12	3.88E-12
NNE	8.74E-11	2.84E-11	1.05E-11	5.59E-12	2.80E-12
NE	6.53E-11	2.13E-11	7.82E-12	4.18E-12	2.09E-12
ENE	6.65E-11	2.16E-11	7.97E-12	4.25E-12	2.13E-12
E	6.58E-11	2.14E-11	7.88E-12	4.21E-12	2.11E-12
ESE	6.65E-11	2.16E-11	7.97E-12	4.25E-12	2.13E-12
SE	1.14E-10	3.70E-11	1.36E-11	7.28E-12	3.65E-12
SSE	1.44E-10	4.67E-11	1.72E-11	9.18E-12	4.61E-12
S	1.54E-10	5.02E-11	1.85E-11	9.87E-12	4.95E-12
SSW	1.93E-10	6.27E-11	2.31E-11	1.23E-11	6.18E-12
SW	1.96E-10	6.38E-11	2.35E-11	1.25E-11	6.28E-12
WSW	1.68E-10	5.48E-11	2.02E-11	1.08E-11	5.40E-12
W	1.29E-10	4.19E-11	1.54E-11	8.23E-12	4.13E-12
WNW	1.36E-10	4.41E-11	1.63E-11	5.68E-12	4.35E-12
NW	1.33E-10	4.34E-11	1.60E-11	8.54E-12	4.28E-12
NNW	1.33E-10	4.34E-11	1.60E-11	8.52E-12	4.27E-12

DIRECTION - SECTOR

N = A
NNE = B
NE = C
ENE = D
E = E
SE = F
SE = G
SSE = H
S = J
SSW = K
SW = L
WSW = M
W = N
WNW = P
NW = Q
NNW = R

Current D/Q = 3.20 E-8 1/m²
in Sector C

CS-7