

ESE**ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.**February 12, 1982
ESE No. 81-128-100Mr. Clair H. Fancy
Bureau of Air Quality Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301**DER**

FEB 22 1982

BAQMSubject: Federal PSD #FL07⁷⁹2, Georgia-Pacific Palatka Mill

Dear Mr. Fancy:

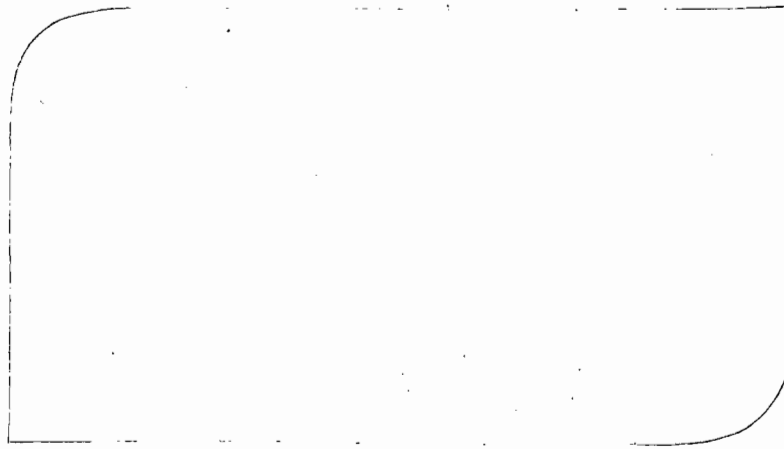
ESE, Inc. is hereby submitting on behalf of Georgia-Pacific Corporation five (5) copies of a report entitled "PSD Monitoring Report, Georgia-Pacific Corporation Palatka Paper Mill, Palatka, Florida". This report is submitted in order to satisfy preconstruction monitoring requirements under Federal PSD regulations, as outlined in your letter to me of June 1, 1981. If you have any questions concerning this submittal, please call or write.

Sincerely,

*David A. Buff*David A. Buff, P.E.
Senior Engineer
Project Operations

DAB/sn

cc: Vernon Adams, G-P
Alvin Graham, ESE



PSD MONITORING REPORT
GEORGIA-PACIFIC CORPORATION
PALATKA PAPER MILL
PALATKA, FLORIDA

Prepared for:
GEORGIA-PACIFIC CORPORATION
Southern Division
Augusta, Georgia

Prepared by:
ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
Gainesville, Florida

January 29, 1982

ESE No. 81-128-101



ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.

February 4, 1982

81 128 101

Mr. Vernon Adams
Georgia Pacific Corporation
PO Box 919
Palatka, Florida 32077

Re: Ambient Air Monitoring Data Report

Dear Vernon:

Enclosed is a copy of the Ambient Air Monitoring Data Report.
This report discusses the data collected during the sampling period
June 12, 1981 through December 12, 1981.

Should you have any questions or need clarification of the report,
please don't hesitate to call.

Sincerely,

Alvin P. Graham
Project Manager

APG/ds

Enclosure

cc: Dave Buff

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1.0 INTRODUCTION

The Georgia-Pacific Corporation (G-P) is proposing a major modification to its Palatka, Florida paper mill. The modification involves the addition of a lime kiln, a recovery boiler with associated smelt tanks, and a combination boiler. For such a modification, Prevention of Significant Deterioration (PSD) regulations require at least 4 months of preconstruction ambient air quality monitoring for submittal with the PSD application. ESE was contracted by G-P to perform the required monitoring.

After examining the proposed modifications, ESE determined that sulfur dioxide (SO₂) and total suspended particulate (TSP) matter were the parameters to be monitored. A modeling study was performed to determine the locations of the monitoring stations. More detailed information on the required parameter determinations and modeling study may be found in the ESE document "Prevention of Significant Deterioration Plan of Study for the Proposed Georgia-Pacific Plant Modification" (May 1981). A meteorological monitoring tower which measured wind speed, wind direction, and ambient temperature was also operated during the monitoring period.

The following sections present brief descriptions of different aspects of the monitoring program. More detailed information for each aspect may be found in the previously cited reference and in another ESE document prepared for G-P entitled "A Quality Assurance Manual Including Standard Operating Procedures for the Operation Of: A Continuous Sulfur Dioxide, Total Suspended Particulate, and Meteorological Monitoring Network" (May 1981).

2.0 NETWORK LOCATION

Figure 2-1 shows the locations of the G-P ambient air monitoring stations. Because the SO₂ monitoring location was within areas of maximum 24-hour and maximum 3-hour impacts, this single, continuous SO₂ monitor was considered sufficient to assess compliance with National Ambient Air Quality Standards (NAAQS) and to satisfy PSD requirements.

Three TSP monitoring sites were used at G-P to provide data representing high-impact areas and to provide background TSP values. Two TSP monitors were located at 24-hour, high-impact areas, based on the SO₂ modeling results. Because TSP and SO₂ are emitted from the same stacks, high 24-hour TSP impacts are expected to occur in generally the same locations as high 24-hour SO₂ impacts. One TSP station was co-located with the SO₂ monitor in a 130-degree direction, and one was located at a G-P boat house about 2 kilometers (km) away from the G-P plant in a 280-degree direction. The TSP background station was located at a site near the St. Johns River Junior College. This site was not located in the direction of prevailing winds and was considered suitable to represent background TSP levels.

Station 1, located at UTM coordinates 434.5E and 3,282.9N, monitored SO₂ continuously and TSP every third day for 24 hours. The continuous monitor was housed in a temperature-controlled sampling trailer. A conventional, glass cane and manifold were used to introduce ambient air into the continuous SO₂ analyzer. The cane intake was 3.0 meters (m) above ground level and 1.0 m above the roof of the sampling trailer. The filter surface of the TSP sampler was approximately 3.0 m above ground level. The SO₂ sampling cane and TSP monitor were located 23 m south and 35 m west of a grove of planted pines approximately 9 m high. A 10-m meteorological tower which monitored wind speed and direction was also located at this station. A fenced power substation with a layer of rocks at ground level was located to the south. A paved entrance road, which was used as a

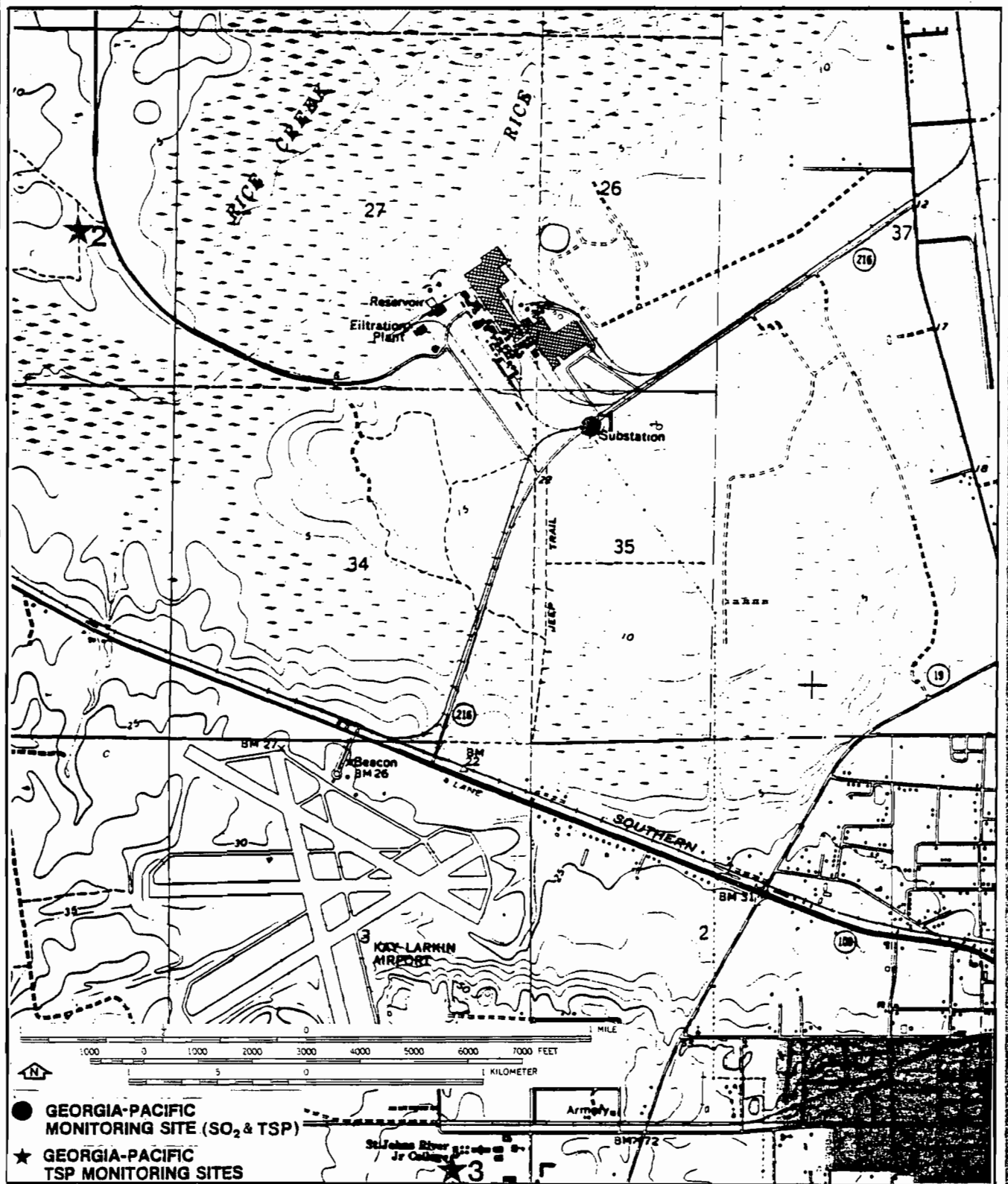


Figure 2-1
LOCATIONS OF G-P AMBIENT MONITORS

ENVIRONMENTAL SCIENCE
AND ENGINEERING, INC.

SOURCE: ESE, 1981.

service drive for the power substation, paralleled Station 1. This road exited from a highway which was 44 m west of the samplers.

Station 2, located at UTM coordinates 432.2E and 3,284.0N, monitored TSP every third day for 24 hours and was designated as a "primary" sampler. A second TSP sampler, designated as a "co-located" sampler, was placed within 4 m of the primary sampler. Both samplers were placed on the roof of an existing boat house. The filter surfaces were approximately 4 m above ground level. The terrain in the general vicinity of the samplers was flat and grass-covered. A levee approximately 4 m above ground level was located 50 m to the north and bordered a large reservoir. To the west, east, and south, there were no obstructions within a 50-m radius. The access road, which was 70 m from the sampling site, was not paved and appeared to be used very little.

Station 3, located at UTM coordinates 433.9E and 3279.7N, monitored TSP every third day for 24 hours. The sampler was mounted on the roof of a maintenance building at the St. Johns River Junior College. No obstructions were found within a 25-m radius of the sampler.

3.0 MONITOR DESCRIPTION

3.1 SO₂ MONITORING

To monitor SO₂, ESE selected the EPA-approved (Federal Register, February 18, 1975, Volume 40, Number 33) Thermo Electron Model 43 pulsed fluorescent analyzer (EQSA-0276-009). This analyzer has been approved to operate at 0.0 to 0.50 parts per million (ppm) or in the range of 0.0 to 1.0 ppm. A strip-chart recorder was used to graphically record the 0.0- to 10.0-vdc analyzer analog output. The calibration system selected was the Thermo Electron Model 143. An NBS-traceable permeation tube was housed in the calibrator's 30°C oven to provide stable concentrations of SO₂ for performing upscale spans on the SO₂ analyzer. The air flow used to dilute the permeation tube output was precisely measured using an NBS-traceable Hastings® Nall 10K mass flowmeter. ESE has found that the standard cubic centimeter (cm³) mass flowmeter output is more accurate and more convenient than the rotameter supplied with the SO₂ calibrator. An NBS-traceable digital volt meter was used to provide the operator with an accurate means for measuring analyzer and mass flowmeter outputs.

3.2 TSP MONITORING

ESE selected the General Metal Works® (GMW) Model 2000-H high-volume sampler for measuring TSP concentrations. The GMW 2000-H uses a long-base vacuum motor to pull ambient air through a glass-fiber filter. Flow-rate measurement was provided by the operator who obtains the sidetap pressure using a U-tube manometer before and after each run. The average pressure (inches of H₂O) was used to obtain the flow rate in cubic feet per minute from a calibration curve developed at ESE's Hi-Vol maintenance lab. The initiation and completion of the run was accomplished using a Dayton® 7-day timer. The length of run was measured by a digital, NBS-traceable elapsed time meter.

3.3 METEOROLOGICAL MONITORING

ESE selected the Climatronics Electronic Weather Station® (EWS) to monitor wind speed, wind direction, and ambient temperature. The wind

speed, direction, and ambient temperature sensors were located on a 10-m aluminum tower at Station 1. The translators and graphic recorder were located in the air monitoring trailer in Station 1.

4.0 DATA REPORTING

ESE digitized the strip-chart records of the analyzer analog output on ESE's Talos 600® data digitizer which is interfaced with ESE's Prime 750® computer by a microprocessor. Using ESE's ambient computer program, monthly printouts of data were available to ESE's Project Manager for review. For this report, a compilation of all data collected was used to produce the statistical analysis and frequency analysis of the data.

Filters from the high-volume TSP samplers were analyzed in ESE's Hi-Vol TSP lab. Data received from the laboratory were introduced into ESE's Prime 750 computer. Using ESE's ambient program, monthly printouts of TSP concentrations in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) were available for review by ESE's Project Manager. For this report, a compilation of all data collected was used to produce the statistical analysis and frequency analysis of the data.

1/29/82

5.0 QUALITY ASSURANCE

5.1 CALIBRATION FREQUENCY

The continuous SO₂ analyzer was zeroed and spanned three times each week with an upscale test gas of approximately 70-percent full scale. The analyzer was challenged once a week for precision calculations with an upscale concentration of 0.09 ppm. At a minimum, an unadjusted analyzer calibration was performed each month of operation. Adjusted calibrations were performed when an unadjusted calibration showed that the analyzer responded outside the +15-percent error limit.

The high-volume TSP samplers were calibrated before and after every 312 hours of operation. The calibration orifice was NBS-traceable. Pressure measurements (inches of H₂O) of the orifice calibration and motor taps were made using a U-tube manometer. Barometric pressure during calibration was obtained from a mercury barometer, and ambient temperature was measured by an NBS thermometer.

The meteorological instrumentation was calibrated upon installation and again prior to shutdown of the network. The operation of meteorological instrumentation was observed three times each week, and services such as chart changes were performed as needed.

5.2 INDEPENDENT AUDITS

ESE conducted a performance audit immediately after initiation of the monitoring and just prior to shutdown of the network. An NBS-traceable Hastings® gas-blending system and an NBS-traceable cylinder of SO₂ gas were used to challenge the analyzer with upscale concentrations of gas and a zero was checked. No adjustments were made to the analyzer. An NBS-traceable variable restriction calibration orifice was used with a top-loading adapter to audit the Hi-Vol TSP sampler. This orifice was different from the orifice initially used to calibrate the Hi-Vol sampler.

5.3 INTERNAL QUALITY CONTROL

A minimum of 2 hours of digitized data was manually redigitized each day to evaluate the accuracy of the original analyst's results. If any errors were noticed, the data set was scrutinized further until the difference was resolved and redigitizing was performed. A test data set, with a known output, was periodically entered in the ambient computer program. The output was checked against the known concentrations to provide a check for errors.

ESE's Hi-Vol TSP laboratory is humidity-controlled and maintains a stable temperature. The relative humidity and ambient temperature are recorded graphically using a hygrothermograph. The Mettler® balance used to weigh the filters is mounted on a marble stand and is checked with Class "S" weights on a regularly scheduled basis. All filters to be used for sampling were placed on a light table, checked for holes, stamped with an identification number, and placed on collating racks in the weight room. After a 24-hour equilibration period in the weight room, each filter was tare-weighed, placed in a storage box, and separated with onionskin paper to prevent friction between filters. Every tenth filter was reweighed by another analyst and weights were compared. An identical procedure for collating, equilibrating, weighing, and reweighing was performed on exposed filters upon receipt from the field. Values of known concentrations were periodically entered in ESE's ambient computer program and the known and calculated concentrations were compared.

5.4 DATA PRECISION AND ACCURACY

Precision calculations of the weekly SO₂ precision span points were performed using ESE's ambient computer program. A printout consisting of actual concentration, observed concentration, and percent difference listed by date is provided in Appendix B. A summation of the percent difference and standard deviation is provided on the same printout.

Precision calculations of each TSP concentration observed at the Station 2 primary site and the Station 2 co-located site were performed using ESE's ambient computer program. A printout consisting of concentrations observed at the primary site and co-located site and the percent difference listed by date is provided in Appendix B. A summation of percent difference and a calculation of standard deviation are provided on the same printout.

Accuracy of the SO₂ analyzer was determined from the performance audits using different operators and different calibration equipment and gases, and by challenging the analyzer with upscale concentrations of SO₂. The percent difference of the audit gas and the analyzer response was calculated and is reported in Appendix B for each individual point.

Accuracy of the TSP sampler was determined from flow measurements made during quarterly audits with an NBS-traceable variable orifice calibration unit. An average operating flow rate was obtained from historical data on each individual sampler. The audit orifice was attached to the sampler using a top-loading adapter. The sampler was warmed up and the variable orifice adjusted to the average flow rate for that sampler. The actual flow rate, indicated by the auditing orifice, and the flow rate (cfm), indicated by the side tap pressure (inches of H₂O), were compared and a percent difference calculated.

An independent meteorological audit was performed to provide on-site calibration of instruments, and an evaluation of the installation was performed within 60 days of the installation of the instrumentation. Any complications or malfunctions were documented and corrected. The final audit was performed within 30 days of the end of the sampling period.

6.0 DISCUSSION OF RESULTS

Complete listings of the SO₂, TSP, and meteorological data are presented in Appendix A of this report. Statistical analyses were performed on the SO₂ and TSP data sets. These analyses are presented and discussed below.

6.1 SO₂ DATA

Of the 3,329 possible hourly averages during the sampling period, 3,107 hourly averages or 94 percent were validated. Only 222 hourly averages were lost and/or invalidated. These lost hourly averages were due mainly to zero/span/precision checks and malfunctions of the analyzer or support equipment which required downtime for repairs.

Table 6-1 shows the State of Florida ambient air quality standards for SO₂ and TSP. Table 6-2 which presents the statistical analysis performed on the data set, confirms that none of the measured concentrations exceeded the standards.

The maximum 1-hour concentration of 472 ug/m³ was measured on December 10, 1981, at 7:00 p.m. No 1-hour standard exists for SO₂. The maximum 3-hour concentration of 332 ug/m³ also occurred on December 10, 1981, between 5:00 a.m. and 8:00 a.m. This concentration was 26 percent of the 1,300-ug/m³ standard. The maximum 24-hour concentration, 188 ug/m³, was measured beginning at 10:00 p.m., December 9, 1981, through 9:00 p.m., December 10, 1981. This value is 72 percent of the 260-ug/m³ standard.

For comparison with the dispersion modeling study performed prior to monitoring (ESE, 1981), the data were examined on a calendar-day basis. The examination showed a 24-hour maximum concentration of 179 ug/m³ and a second-maximum concentration of 100 ug/m³. The modeling study projected a second-maximum concentration of approximately 75 ug/m³ at the monitoring site for existing emission conditions. Therefore, the measured second-maximum concentration is within 25 percent of the

Table 6-1. State of Florida Ambient Air Quality Standards

Pollutant	Averaging Time	Frequency Parameter	Concentration (ug/m ³)
SO ₂	3-hour	Annual Maximum	1,300*
	24-hour	Annual Maximum	260*
	1-year	Arithmetic Mean	60
TSP	24-hour	Annual Maximum	150*
	1-year	Annual Geometric Mean	60

* Not to be exceeded more than once per year.

Source: ESE, 1982.

TABLE 6-2

STATISTICAL ANALYSIS

GEORGIA PACIFIC
STATION #2

AUGUST 1, 1981 - DECEMBER 31, 1981

CONTINUOUS SO₂ DATA SUMMARY
MICROGRAMS/CUBIC METER

NO. OBS.	MIN. OBS.	ARITH. MEAN	STANDARD DEVIATION	GEOMETRIC MEAN	GEOMETRIC STD. DEV.
3107	1	10.10	24.14	5.56	2.32
MAXIMUM 1-HOUR CONC.	=	472	(12-10-81 1900)		
2ND HIGHEST 1-HOUR CONC.	=	386	(12-10-81 500)		
MAXIMUM 3-HOUR CONC.	=	332	(12-10-81 500)	STANDARD (1300)	EXCEEDED 0 TIMES
2ND HIGHEST 3-HOUR CONC.	=	322	(12-10-81 1800)		
MAXIMUM 24-HOUR CONC.	=	188	(12- 9-81 2200)	STANDARD (260)	EXCEEDED 0 TIMES
2ND HIGHEST 24-HOUR CONC.	=	183	(12- 9-81 2100)		

Source: ESE, 1981.

projected second-maximum concentration. The 3-hour, second-maximum observed concentration was 322 ug/m^3 , which compared with a model-predicted, 3-hour second-maximum concentration of approximately 300 ug/m^3 for existing emission conditions. Therefore, the observed second-maximum 3-hour concentration was within approximately 10 percent of the predicted second-maximum 3-hour concentration.

The meteorological data (Appendix A) recorded on the date of the calendar-day second-maximum 24-hour concentration were examined and showed an average wind speed of 7.1 miles per hour and an average wind direction of 301 degrees. The existing G-P plant lies within a 40-degree sector to the north-northwest of the monitoring station. The meteorological data indicate that the impact observed (second-maximum 24-hour concentration) originated from the direction of the plant.

The arithmetic mean (Table 6-2) for the data set was 10 ug/m^3 , or approximately 17 percent of the 60-ug/m^3 standard.

Results of precision and accuracy calculations performed on the SO_2 monitoring data are presented in Appendix B.

6.2 TSP DATA

A complete listing of the TSP data may be found in Appendix A. Table 6-3 presents the results of a statistical analysis performed on the TSP data set. As may be seen, none of the 24-hour maximum concentrations exceeded the 150-ug/m^3 standard shown in Table 6-1. The maximum 24-hour concentration was 105 ug/m^3 and occurred at Station 1. None of the geometric mean concentrations exceeded the standard of 60 ug/m^3 . The highest geometric mean was 33.4 ug/m^3 , reported from Station 1. Precision and accuracy calculations performed on the TSP data are found in Appendix B.

A statistical procedure by Larsen (1971) was applied to the TSP ambient air concentration data. The procedure involves the use of a series of equations to predict the geometric mean and projected maximum TSP

TABLE 6-3

STATISTICAL ANALYSIS
 GEORGIA PACIFIC
 JUNE 12, 1981 - DECEMBER 12, 1981
 24 HOUR TSP DATA SUMMARY
 MICROGRAMS PER CUBIC METER

STATION NUMBER	NUMBER OBS.	MINIMUM OBS.	MAXIMUM OBS.	2ND.MAX. OBS.	ARITH. MEAN	STANDARD DEV.	GEOMETRIC MEAN	GEOMETRIC STD.DEV.	Data Capture Percent
1	37	10.	105.	80.	37.	19.14	33.45	1.60	84
2 (Designated)	60	13.	92.	88.	32.	17.43	28.85	1.58	96
2 (Collocated)	59	14.	91.	80.	32.	17.20	28.52	1.58	95
3	55	13.	70.	68.	31.	10.43	29.10	1.37	95

15

Source: ESE, 1981.

concentration levels as listed in Table 6-4. The model assumes the following characteristics which are normally represented in ambient air quality data:

1. Pollutants are lognormally distributed through time,
2. Median concentrations are proportional to the averaging time raised to an exponent, and
3. Maximum concentrations are approximately inversely proportional to the averaging time raised to an exponent.

Larsen's mathematical model has been devised to estimate short-term maximum pollutant concentrations for time periods and sampling periods that differ from an annual basis. Since the collection of 365 integrated 24-hour particulate samples is not economically or practically feasible, Larsen's calculations develop projected concentrations for a much smaller sample set and may be used in comparison to established standards.

As shown in Table 6-4, none of the projected maximum 24-hour TSP concentrations met or exceeded the 24-hour standard of 150 ug/m³. The 3-hour projections are presented; however, there is no established 3-hour particulate standard. The highest 24-hour concentrations were projected to occur at Stations 1 and 2, as did the actual observed concentrations.

Hunt's (1972) statistical analysis listed in Table 6-5 was used to determine confidence intervals about the geometric mean concentration for collected TSP data. The illustrated 95-percent confidence intervals (lower and upper limit values) indicate a 95-percent probability that the calculated geometric mean value falls within the upper and lower limit concentration bounds. Values within parentheses below the limits indicate the percentage difference of each of these values to the projected geometric mean value.

TABLE 6-4

LARSEN STATISTICAL ANALYSIS
 GEORGIA PACIFIC
 JUNE 12, 1981 - DECEMBER 12, 1981
 24 HOUR TSP DATA SUMMARY
 MICROGRAMS PER CUBIC METER

STATION NUMBER	MAXIMUM OBS.	PROJECTED 3-HOUR MAXIMUM	PROJECTED 24-HOUR MAXIMUM	PROJECTED 24-HOUR 2ND. MAX	SLOPE	Y-INT.	CORRELATION COEFFICIENT	R ²
1	105.	204.	122.	104.	-0.202	33.7	0.988	0.975
2 (Designated)	92.	171.	99.	85.	-0.194	29.0	0.977	0.955
2 (Collocated)	91.	170.	99.	85.	-0.195	28.6	0.976	0.952
3	70.	99.	69.	62.	-0.135	29.2	0.981	0.962

TABLE 6-5

HUNT STATISTICAL ANALYSIS

STATION NUMBER	ACTUAL NUMBER SAMPLES	POSSIBLE NUMBER SAMPLES	95% CONFIDENCE INTERVAL			95% CONFIDENCE INTERVAL		
			LOWER LIMIT	GEOMETRIC MEAN	UPPER LIMIT	LOWER LIMIT	ARITHMETIC MEAN	UPPER LIMIT
18 1	37	210	29.01 (13.3%)	33.	38.57 (15.3%)	32.37 (13.3%)	37.	43.04 (15.3%)
2 (Designated)	60	210	26.12 (9.5%)	29.	31.87 (10.5%)	29.21 (9.5%)	32.	35.64 (10.5%)
2 (Collocated)	59	210	25.77 (9.7%)	29.	31.57 (10.7%)	28.86 (9.7%)	32.	35.37 (10.7%)
3	55	210	27.03 (7.1%)	29.	31.32 (7.6%)	28.43 (7.1%)	31.	32.94 (7.6%)

Estimates for a maximum concentration will be much higher for small data sets, and there will be a larger confidence interval around the mean; as the data set increases, the estimated maximum concentration will approach the observed maximum concentration. As shown by Table 6-5, the confidence intervals are small due to the large number of samples.

6.3 METEOROLOGICAL DATA

A complete listing of the meteorological data may be found in Appendix A. Data capture during the monitoring period was 99 percent for each of the parameters measured.

APPENDIX A
MONITORING DATA

GEORGIA PACIFIC

DATE SAMPLED	RUN NUMBER	TIME START	24 HOUR	TSP	DATA SUMMARY	
			ELAPSED TIME	STATION NUMBER	MICROGRAMS/M	
6/12/81	1	0001			1	
				1453.2	2	29
				1453.2	3	29
					4	
6/15/81	1	0001			1	
					2	
					3	
					4	
6/18/81	1	0001			1	
				1466.0	2	64
				1465.9	3	67
					4	
6/21/81	1	0001			1	
				1407.9	2	26
				1407.2	3	24
					4	
6/24/81	1	0001			1	
				1453.6	2	39
				1453.7	3	40
				1458.6	4	38
6/27/81	1	0001			1	
				1440.1	2	30
				1440.1	3	29
				1446.4	4	29
6/30/81	1	0001			1	
				1439.4	2	36
				1439.4	3	35
				1449.6	4	33
7/ 3/81	1	0001			1	
				1439.3	2	28
				1439.2	3	31
				1447.3	4	29
7/ 6/81	1	0001			1	
				1393.3	2	49
				1393.3	3	49
				1448.5	4	68
7/ 9/81	1	0001			1	
				1438.0	2	38
				1438.0	3	41
				1447.9	4	38
7/12/81	1	0001			1	
				1441.7	2	27
				1441.7	3	25
				1446.7	4	22
7/15/81	1	0001			1	
				1392.4	2	39
				1392.4	3	40
				1447.5	4	37

GEORGIA PACIFIC

		24 HOUR	TSP	DATA SUMMARY		
DATE SAMPLED	RUN NUMBER	TIME START	ELAPSED TIME	STATION NUMBER	MICROGRAMS/M	3
7/18/81	1	0001		1		
			1391.0	2	28	
			1391.0	3	28	
			1447.5	4	28	
7/21/81	1	0001		1		
			1440.6	2	20	
			1440.6	3	19	
			1446.7	4	20	
7/24/81	1	0001		1		
			1440.6	2	19	
			1440.7	3	19	
			1446.8	4	21	
7/27/81	1	0001		1		
			1435.0	2	32	
				3		
			1447.9	4	34	
7/30/81	1	0001		1		
			1389.9	2	20	
			1389.9	3	20	
			1448.2	4	29	
8/ 2/81	1	0001		1		
			1439.7	2	19	
			1439.7	3	22	
				4		
8/ 5/81	1	0001		1	35	
			1439.8	2	31	
			1439.8	3	27	
			1447.9	4	25	
8/ 8/81	1	0001		1	18	
			1420.4	2	18	
			1439.4	3	17	
			1439.4	4	17	
8/11/81	1	0001		1	39	
			1448.3	2	28	
			1420.7	3	23	
			1438.5	4	27	
8/14/81	1	0001		1	24	
			1447.1	2	17	
			1419.7	3	15	
			1439.8	4	23	
8/17/81	1	0001		1	37	
			1439.8	2	20	
			1439.8	3	17	
			1447.6	4	29	
8/20/81	1	0001		1	36	
			1420.5	2	26	
			1439.8	3	25	
			1447.8	4	31	

GEORGIA PACIFIC

		24 HOUR	TSP	DATA SUMMARY	
DATE SAMPLED	RUN NUMBER	TIME START	ELAPSED TIME	STATION NUMBER	MICROGRAMS/M
8/23/81	1	0001	1420.8	1	19
			1439.3	2	20
			1439.3	3	19
			1449.1	4	17
8/26/81	1	0001	1419.3	1	37
			1439.6	2	62
			1439.6	3	80
			1448.5	4	34
8/29/81	1	0001	1419.7	1	30
			1437.7	2	21
			1437.7	3	21
			1449.1	4	23
9/ 1/81	1	0001	1438.0	2	49
			1438.1	3	48
			1448.9	4	29
			1419.6	1	20
9/ 4/81	1	0001	1438.4	2	21
			1438.3	3	22
			1447.3	4	23
			1419.4	1	10
9/ 7/81	1	0001	1491.8	2	13
			1391.8	3	14
			1447.5	4	13
			1419.4	1	54
9/10/81	1	0001	1436.8	2	92
			1436.8	3	91
			1447.8	4	40
			1420.8	1	24
9/13/81	1	0001	1437.2	2	58
			1437.2	3	56
			1448.6	4	20
			1419.8	1	19
9/16/81	1	0001	1387.3	2	45
			1387.3	3	46
			1449.0	4	17
			1419.8	1	28
9/19/81	1	0001	1388.0	2	25
			1388.1	3	25
			1447.1	4	30
			1422.8	1	23
9/22/81	1	0001	1392.4	2	27
			1392.3	3	27
			1447.4	4	35
			1420.5	1	36
9/25/81	1	0001	1390.6	2	88
			1390.6	3	79
			1447.3	4	40

GEORGIA PACIFIC

		24 HOUR	TSP	DATA SUMMARY		
DATE SAMPLED	RUN NUMBER	TIME START	ELAPSED TIME	STATION NUMBER	MICROGRAMS/M	3
9/28/81	1	0001		1		
			1437.9	2	29	
			1439.9	3	28	
			1447.1	4	35	
10/ 1/81	1	0001	1419.3	1	39	
			1387.7	2	49	
			1387.6	3	55	
			1450.1	4	40	
10/ 4/81	1	0001	1420.0	1	27	
			1393.1	2	44	
			1393.1	3	44	
			1449.0	4	30	
10/ 7/81	1	0001	1418.3	1	61	
			1387.7	2	63	
			1387.7	3	62	
			1447.2	4	37	
10/10/81	1	0001	1419.2	1	36	
			1391.9	2	39	
			1392.0	3	36	
			1447.1	4	29	
10/13/81	1	0001	1419.3	1	105	
			1439.3	2	44	
			1439.5	3	43	
			1447.1	4	70	
10/16/81	1	0001	1419.7	1	50	
			1439.8	2	30	
			1439.8	3	30	
			1446.9	4	40	
10/19/81	1	0001	1419.2	1	47	
			1389.9	2	23	
			1389.9	3	23	
			1447.2	4	28	
10/22/81	1	0001	1419.5	1	41	
			1394.5	2	40	
			1394.4	3	41	
			1446.5	4	34	
10/25/81	1	0001	1419.9	1	17	
			1393.6	2	20	
			1393.6	3	21	
			1446.8	4	17	
10/28/81	1	0001	1420.4	1	44	
			1443.6	2	30	
			1443.6	3	31	
			1448.2	4	39	
10/31/81	1	0001	1419.6	1	23	
			1439.9	2	19	
			1439.9	3	19	
				4		

GEORGIA PACIFIC

		24 HOUR	TSP	DATA SUMMARY	
DATE SAMPLED	RUN NUMBER	TIME START	ELAPSED TIME	STATION NUMBER	MICROGRAMS/M
11/ 3/81	1	0001	1420.3	1	23
			1438.8	2	16
			1438.8	3	17
			1446.6	4	23
11/ 6/81	1	0001	1420.1	1	80
			1438.2	2	15
			1438.2	3	16
			1446.6	4	21
11/ 9/81	1	0001		1	
			1388.9	2	23
			1389.1	3	25
			1444.7	4	35
11/12/81	1	0001		1	
			1390.2	2	31
			1390.1	3	31
			1445.2	4	38
11/15/81	1	0001		1	
				2	
				3	
				4	
11/18/81	1	0001		1	
			1443.2	2	20
			1443.2	3	21
			1444.0	4	30
11/21/81	1	0001	1412.1	1	45
			1442.7	2	16
			1442.7	3	16
			1444.5	4	24
11/24/81	1	0001		1	
			1388.8	2	22
			1388.8	3	21
			1442.5	4	27
11/27/81	1	0001	1411.9	1	34
			1388.7	2	17
			1388.7	3	17
			1443.5	4	24
11/30/81	1	0001	1411.3	1	32
			1387.8	2	34
			1387.8	3	33
			1445.0	4	44
12/ 3/81	1	0001	1413.8	1	30
			1441.4	2	15
			1441.4	3	14
			1446.1	4	31
12/ 6/81	1	0001	1413.7	1	38
			1387.8	2	25
			1387.8	3	24
			1444.3	4	28

GEORGIA PACIFIC

24 HOUR TSP DATA SUMMARY

DATE SAMPLED	RUN NUMBER	TIME START	ELAPSED TIME	STATION NUMBER	MICROGRAMS/M	
12/ 9/81	1	0001	1413.5	1	79	3
			1394.2	2	20	
			1394.1	3	20	
			1443.1	4	26	
12/12/81	1	0001	1413.9	1	41	
			1388.0	2	28	
			1388.0	3	27	
			1443.3	4	34	

GEORGIA PACIFIC

STATION #1

SULFUR DIOXIDE
MICROGRAMS/CUBIC METER

DATA FOR AUG 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
2	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
3	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
4	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
5	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
6	3.	3.	3.	3.	3.	3.	4.	3.	3.	3.	3.	3.	3.	999	999	999	999	3.	3.	3.	3.	3.	3.	3.
7	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
8	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
9	3.	3.	3.	3.	3.	3.	3.	3.	3.	22.	4.	3.	3.	3.	6.	27.	6.	3.	3.	3.	3.	3.	3.	3.
10	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
11	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	999	999	999	3.	3.	3.	3.	3.	3.	4.	3.
12	3.	3.	3.	4.	4.	5.	6.	5.	3.	3.	3.	4.	6.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
13	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	3.	3.	3.	31.	22.	4.	4.	3.	3.	3.	3.	3.	3.
14	3.	3.	3.	3.	3.	3.	4.	3.	3.	3.	3.	3.	999	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
15	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
16	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
17	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
18	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
19	3.	15.	9.	11.	8.	11.	14.	18.	999	999	999	999	999	3.	3.	3.	3.	3.	3.	3.	10.	3.	3.	3.
20	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	8.	8.	26.	21.	7.	3.	3.	3.	3.	3.	3.	3.	3.	3.
21	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	999	999	999	3.	3.	3.	3.	3.	3.	3.	3.
22	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
23	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
24	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	7.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
25	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	999	999	999	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
26	4.	5.	3.	3.	3.	3.	5.	5.	4.	3.	3.	3.	3.	3.	3.	3.	3.	4.	6.	7.	8.	14.	15.	15.
27	3.	3.	3.	3.	3.	3.	3.	3.	4.	5.	3.	3.	4.	8.	7.	4.	8.	11.	13.	15.	12.	8.	7.	8.
28	8.	5.	7.	6.	5.	3.	4.	999	999	999	999	4.	3.	3.	5.	4.	5.	4.	4.	4.	3.	3.	4.	3.
29	7.	9.	9.	7.	6.	5.	6.	3.	3.	7.	16.	61.	41.	12.	8.	3.	4.	4.	4.	4.	4.	5.	4.	3.
30	5.	3.	3.	3.	4.	3.	3.	3.	3.	38.	25.	54.	5.	55.	39.	12.	3.	3.	3.	3.	3.	6.	5.	5.
31	6.	12.	6.	6.	4.	5.	5.	7.	7.	6.	5.	5.	4.	4.	999	999	5.	4.	6.	6.	7.	7.	6.	7.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 628 NUMBER OF MISSING HOURS = 116 DATA CAPTURE = 84.41 (PERCENT)

MAXIMUM 1-HR = 61. MICROGRAMS/CUBIC METER 2ND MAX. 1-HR = 55. MICROGRAMS/CUBIC METER

MINIMUM 1-HR = 3. MICROGRAMS/CUBIC METER ARITHMETIC MEANS = 4. MICROGRAMS/CUBIC METER

NOTE : 999 - MISSING VALUE INDICATOR

STATION #1

SULFUR DIOXIDE
MICROGRAMS/CUBIC METER

DATA FOR SEP 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	5.	4.	4.	3.	4.	3.	4.	4.	6.	6.	5.	4.	3.	4.	7.	4.	5.	3.	5.	5.	4.	5.	7.	6.
2	6.	9.	7.	5.	7.	5.	8.	7.	999.	999.	999.	5.	4.	4.	4.	6.	6.	5.	4.	3.	3.	3.	3.	5.
3	7.	7.	7.	7.	8.	9.	7.	7.	9.	6.	5.	4.	4.	4.	6.	11.	5.	3.	5.	3.	4.	5.	7.	5.
4	6.	6.	5.	5.	7.	6.	5.	7.	7.	6.	5.	3.	4.	4.	5.	6.	3.	3.	4.	4.	3.	6.	4.	3.
5	7.	8.	8.	6.	5.	5.	10.	8.	8.	11.	8.	8.	7.	999.	999.	999.	4.	5.	3.	5.	3.	3.	6.	5.
6	5.	5.	3.	3.	3.	7.	6.	5.	4.	5.	4.	4.	3.	3.	4.	5.	3.	3.	4.	4.	5.	3.	3.	3.
7	5.	4.	4.	4.	5.	5.	5.	4.	3.	3.	4.	11.	7.	7.	8.	9.	5.	4.	5.	5.	4.	6.	12.	9.
8	8.	6.	7.	5.	4.	5.	5.	7.	10.	17.	26.	999.	999.	999.	7.	10.	4.	6.	6.	7.	7.	7.	7.	8.
9	8.	5.	5.	6.	5.	7.	6.	7.	8.	7.	14.	13.	999.	999.	19.	78.	9.	7.	4.	4.	6.	5.	7.	10.
10	9.	8.	9.	10.	9.	7.	8.	11.	6.	7.	8.	4.	6.	5.	6.	8.	6.	7.	6.	8.	9.	8.	9.	9.
11	9.	8.	8.	10.	8.	5.	7.	8.	8.	9.	999.	7.	9.	8.	5.	7.	8.	8.	6.	5.	7.	7.	8.	9.
12	11.	11.	7.	6.	9.	10.	10.	9.	9.	10.	18.	18.	24.	25.	8.	6.	7.	6.	5.	5.	7.	8.	7.	7.
13	8.	9.	8.	9.	10.	8.	11.	7.	9.	8.	9.	5.	7.	6.	6.	6.	7.	7.	7.	7.	9.	8.	9.	11.
14	9.	9.	10.	9.	8.	8.	9.	11.	10.	49.	76.	13.	999.	999.	10.	13.	8.	7.	9.	6.	12.	11.	11.	11.
15	10.	11.	11.	11.	9.	12.	12.	12.	11.	16.	79.	13.	13.	10.	10.	16.	20.	11.	6.	5.	7.	9.	10.	11.
16	8.	9.	10.	11.	11.	10.	9.	12.	999.	999.	999.	3.	3.	3.	999.	999.	999.	3.	3.	3.	3.	3.	3.	3.
17	3.	3.	3.	3.	3.	3.	3.	3.	10.	14.	13.	8.	6.	3.	19.	3.	3.	3.	3.	3.	3.	3.	3.	3.
18	3.	3.	6.	4.	7.	4.	5.	7.	4.	4.	20.	47.	105.	999.	999.	19.	5.	6.	4.	3.	8.	3.	5.	3.
19	5.	6.	6.	7.	8.	8.	6.	9.	9.	8.	13.	6.	10.	6.	9.	4.	3.	3.	3.	3.	3.	3.	3.	3.
20	3.	3.	3.	3.	4.	4.	4.	5.	7.	10.	7.	6.	6.	8.	18.	6.	5.	4.	3.	3.	3.	3.	3.	3.
21	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	999.	3.	6.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
22	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
23	5.	3.	3.	3.	3.	3.	3.	3.	3.	21.	52.	23.	31.	3.	999.	999.	999.	4.	3.	6.	8.	7.	6.	5.
24	5.	3.	4.	7.	7.	7.	9.	8.	11.	11.	8.	6.	999.	999.	999.	999.	999.	7.	7.	8.	7.	3.	4.	4.
25	8.	4.	5.	4.	4.	5.	5.	7.	5.	7.	7.	6.	4.	4.	3.	4.	6.	7.	7.	5.	5.	7.	5.	6.
26	7.	6.	4.	5.	5.	5.	7.	5.	8.	5.	3.	4.	3.	6.	3.	3.	4.	3.	5.	5.	6.	6.	7.	4.
27	6.	5.	6.	5.	6.	5.	6.	8.	10.	5.	5.	5.	3.	3.	3.	3.	4.	3.	3.	4.	3.	3.	3.	4.
28	7.	7.	7.	7.	7.	10.	12.	13.	13.	10.	9.	11.	999.	999.	999.	6.	9.	8.	5.	9.	7.	9.	9.	8.
29	9.	7.	8.	7.	8.	8.	7.	9.	999.	999.	999.	999.	999.	999.	9.	6.	10.	4.	5.	8.	7.	5.	11.	9.
30	10.	13.	12.	13.	11.	14.	14.	15.	17.	13.	8.	12.	9.	8.	9.	11.	12.	13.	8.	14.	15.	13.	13.	11.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 680 NUMBER OF MISSING HOURS = 40 DATA CAPTURE = 94.44 (PERCENT)

MAXIMUM 1-HR = 105. MICROGRAMS/CUBIC METER 2ND MAX. 1-HR = 79. MICROGRAMS/CUBIC METER

MINIMUM 1-HR = 3. MICROGRAMS/CUBIC METER ARITHMETIC MEANS = 7. MICROGRAMS/CUBIC METER

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

SULFUR DIOXIDE
MICROGRAMS/CUBIC METER

DATA FOR OCT 1981

HR-REG HR-END DAY	HOURS (LST)																							
	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24
1	16.	15.	15.	16.	11.	14.	14.	17.	17.	15.	14.	14.	10.	11.	11.	9.	10.	9.	8.	9.	10.	11.	10.	7.
2	10.	8.	9.	9.	11.	6.	9.	8.	10.	13.	16.	33.	39.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
3	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
4	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
5	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
6	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	4.	3.	3.	3.	3.	8.	3.	3.	3.	3.	3.	3.	3.
7	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	6.	9.	3.	3.	18.	43.	27.	3.	3.	3.	3.	3.	3.	3.
8	3.	3.	3.	110.	38.	98.	37.	16.	3.	999.	999.	999.	999.	4.	3.	4.	3.	3.	3.	3.	3.	3.	3.	3.
9	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	999.	999.	3.	3.	3.	3.	3.	3.	3.
10	4.	3.	3.	3.	3.	3.	3.	3.	3.	21.	68.	64.	30.	21.	28.	4.	3.	4.	5.	4.	3.	3.	3.	3.
11	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	9.	3.	3.	3.	3.	4.	10.	11.	7.	6.
12	5.	3.	3.	4.	6.	6.	8.	15.	14.	13.	6.	5.	5.	3.	4.	3.	3.	3.	3.	3.	3.	4.	4.	4.
13	4.	3.	3.	3.	5.	7.	10.	12.	11.	3.	4.	999.	999.	999.	999.	999.	999.	3.	3.	3.	3.	3.	3.	3.
14	3.	3.	3.	3.	3.	3.	3.	3.	3.	999.	999.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
15	3.	3.	3.	3.	3.	3.	3.	5.	9.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
16	3.	3.	3.	3.	3.	3.	3.	999.	999.	999.	3.	3.	3.	4.	7.	9.	9.	5.	3.	3.	3.	3.	3.	3.
17	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
18	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
19	3.	9.	21.	4.	3.	3.	6.	7.	7.	4.	5.	44.	28.	999.	999.	3.	3.	3.	3.	3.	3.	3.	4.	3.
20	3.	3.	4.	11.	16.	20.	24.	21.	23.	21.	13.	6.	3.	3.	3.	3.	3.	3.	3.	5.	4.	5.	4.	3.
21	4.	4.	3.	5.	4.	6.	8.	11.	9.	8.	6.	5.	4.	999.	999.	5.	4.	3.	3.	3.	3.	3.	3.	3.
22	3.	3.	3.	3.	3.	3.	3.	4.	5.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
23	3.	3.	3.	3.	3.	3.	3.	4.	3.	4.	6.	9.	999.	999.	10.	4.	3.	3.	3.	3.	3.	3.	3.	3.
24	3.	3.	3.	5.	4.	3.	5.	7.	6.	6.	6.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
25	3.	3.	3.	3.	4.	4.	4.	5.	6.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
26	3.	3.	3.	4.	4.	4.	4.	5.	5.	5.	4.	3.	3.	3.	3.	3.	999.	3.	4.	3.	3.	3.	3.	3.
27	3.	3.	3.	3.	3.	3.	5.	3.	5.	5.	4.	3.	3.	17.	7.	3.	3.	3.	3.	3.	3.	3.	3.	3.
28	4.	4.	7.	9.	10.	16.	22.	26.	16.	18.	19.	16.	12.	9.	999.	999.	6.	4.	6.	5.	3.	5.	5.	7.
29	5.	3.	4.	4.	5.	7.	7.	8.	7.	7.	6.	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	3.	4.	3.
30	7.	3.	3.	3.	3.	6.	5.	4.	6.	5.	3.	5.	999.	999.	3.	3.	3.	5.	3.	3.	4.	5.	6.	4.
31	10.	8.	7.	7.	6.	4.	5.	3.	4.	5.	5.	7.	8.	6.	4.	8.	7.	7.	4.	6.	8.	8.	6.	6.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 622 NUMBER OF MISSING HOURS = 122 DATA CAPTURE = 83.60 (PERCENT)

MAXIMUM 1-HR = 110. MICROGRAMS/CUBIC METER 2ND MAX. 1-HR = 98. MICROGRAMS/CUBIC METER

MINIMUM 1-HR = 3. MICROGRAMS/CUBIC METER ARITHMETIC MEANS = 6. MICROGRAMS/CUBIC METER

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

SULFUR DIOXIDE
MICROGRAMS/CUBIC METER

DATA FOR NOV 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24
1	7.	7.	8.	12.	10.	7.	8.	5.	7.	8.	7.	8.	7.	7.	5.	4.	4.	6.	6.	6.	5.	6.	5.	6.
2	7.	7.	10.	10.	10.	11.	11.	13.	11.	999.	999.	999.	999.	8.	7.	5.	8.	7.	7.	7.	7.	5.	6.	5.
3	8.	8.	9.	10.	6.	7.	8.	12.	10.	12.	9.	8.	8.	7.	6.	8.	8.	9.	7.	8.	10.	12.	11.	12.
4	15.	9.	12.	11.	9.	10.	9.	9.	10.	9.	5.	5.	8.	6.	7.	6.	8.	8.	5.	7.	7.	7.	7.	7.
5	10.	10.	11.	12.	9.	8.	11.	8.	10.	11.	11.	8.	9.	9.	9.	10.	9.	9.	8.	9.	9.	12.	11.	11.
6	17.	19.	43.	59.	19.	13.	45.	54.	52.	52.	133.	115.	146.	65.	76.	999.	999.	39.	13.	11.	14.	12.	12.	11.
7	15.	53.	47.	31.	999.	999.	72.	32.	33.	26.	21.	28.	72.	24.	58.	14.	14.	15.	14.	13.	12.	14.	12.	12.
8	13.	12.	15.	18.	17.	17.	19.	19.	19.	22.	18.	14.	12.	11.	11.	10.	11.	10.	9.	11.	12.	9.	12.	12.
9	14.	13.	14.	14.	17.	18.	21.	22.	19.	21.	20.	15.	16.	14.	15.	18.	999.	26.	24.	27.	27.	28.	27.	26.
10	15.	14.	12.	13.	12.	16.	16.	13.	16.	15.	17.	16.	14.	17.	15.	13.	14.	17.	13.	13.	10.	12.	12.	12.
11	13.	13.	16.	14.	13.	15.	15.	18.	18.	999.	999.	999.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
12	3.	3.	3.	3.	3.	3.	3.	3.	6.	14.	16.	18.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
13	3.	5.	10.	10.	11.	6.	4.	7.	10.	8.	13.	12.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
14	9.	13.	5.	3.	3.	4.	3.	3.	8.	16.	11.	11.	13.	15.	9.	6.	3.	3.	4.	3.	3.	3.	3.	3.
15	3.	3.	3.	3.	3.	3.	5.	5.	5.	14.	43.	23.	33.	41.	48.	3.	3.	3.	3.	3.	3.	3.	3.	3.
16	3.	3.	3.	3.	3.	3.	3.	5.	5.	999.	999.	999.	3.	3.	3.	3.	3.	13.	10.	3.	3.	3.	3.	
17	6.	3.	3.	3.	3.	3.	3.	3.	5.	64.	115.	16.	23.	24.	4.	3.	3.	3.	4.	3.	3.	4.	4.	3.
18	3.	3.	3.	3.	5.	3.	3.	3.	6.	28.	118.	76.	55.	999.	999.	3.	3.	3.	3.	3.	3.	3.	3.	3.
19	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
20	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	16.	72.	16.	7.
21	3.	13.	3.	15.	5.	51.	33.	54.	96.	38.	117.	94.	83.	69.	78.	16.	4.	3.	3.	3.	3.	5.	6.	4.
22	4.	6.	6.	7.	9.	5.	7.	9.	9.	17.	28.	60.	86.	68.	83.	46.	34.	3.	3.	3.	3.	3.	3.	3.
23	5.	7.	6.	6.	3.	7.	9.	10.	18.	999.	999.	999.	999.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
24	3.	3.	3.	4.	3.	4.	4.	4.	12.	19.	12.	7.	6.	16.	4.	3.	22.	42.	108.	45.	45.	10.	36.	4.
25	3.	4.	6.	5.	5.	4.	7.	7.	10.	19.	999.	999.	999.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
26	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
27	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
28	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
29	7.	3.	4.	9.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
30	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 696 NUMBER OF MISSING HOURS = 24 DATA CAPTURE = 96.67 (PERCENT)

MAXIMUM 1-HR = 146. MICROGRAMS/CUBIC METER 2ND MAX. 1-HR = 133. MICROGRAMS/CUBIC METER

MINIMUM 1-HR = 3. MICROGRAMS/CUBIC METER ARITHMETIC MEANS = 11. MICROGRAMS/CUBIC METER

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

SULFUR DIOXIDE
MICROGRAMS/CUBIC METER

DATA FOR DEC 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24
1	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
2	3.	3.	3.	50.	202.	7.	12.	3.	3.	3.	3.	3.	3.	3.	3.	999.	999.	3.	3.	3.	3.	3.	3.	3.
3	3.	3.	3.	3.	7.	3.	3.	3.	9.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
4	4.	3.	4.	3.	3.	3.	5.	10.	8.	8.	8.	7.	5.	7.	999.	999.	999.	203.	155.	42.	48.	16.	7.	53.
5	8.	37.	94.	121.	59.	51.	14.	19.	15.	19.	20.	14.	13.	8.	15.	11.	8.	3.	9.	9.	10.	14.	13.	25.
6	28.	24.	20.	39.	36.	13.	22.	23.	19.	31.	29.	19.	11.	5.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
7	7.	4.	6.	4.	7.	4.	7.	8.	15.	25.	58.	38.	19.	11.	11.	8.	12.	6.	9.	7.	6.	8.	12.	11.
8	12.	11.	6.	10.	7.	9.	10.	10.	11.	10.	13.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	26.	0.	0.
9	241.	103.	125.	33.	6.	161.	113.	120.	218.	16.	11.	97.	147.	171.	183.	144.	161.	18.	12.	5.	19.	88.	150.	85.100
10	104.	211.	103.	33.	210.	386.	298.	311.	288.	109.	108.	195.	101.	153.	999.	999.	104.	12.	237.	472.	258.	198.	33.	19.179
11	19.	36.	26.	31.	47.	50.	35.	54.	78.	66.	42.	41.	22.	15.	27.	25.	9.	10.	12.	12.	8.	11.	13.	12.
12	12.	11.	11.	10.	12.	13.	13.	12.	16.	27.	38.	36.	36.	34.	32.	23.	6.	3.	4.	9.	7.	6.	5.	9.
13	10.	8.	10.	15.	11.	12.	11.	9.	9.	10.	9.	10.	6.	4.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
14	3.	3.	3.	3.	3.	3.	3.	3.	3.	999.	999.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
15	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	5.	21.
16	36.	21.	9.	3.	3.	3.	3.	6.	6.	6.	8.	999.	999.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
17	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	4.	7.	10.	18.	7.	8.	45.	27.	41.	27.	9.	4.	3.
18	7.	15.	30.	22.	9.	4.	8.	28.	8.	9.	12.	19.	47.	59.	55.	44.	66.	56.	47.	34.	50.	46.	61.	31.
19	28.	22.	18.	16.	14.	16.	16.	15.	13.	18.	17.	15.	15.	14.	16.	15.	17.	20.	15.	15.	13.	12.	12.	13.
20	17.	17.	14.	17.	16.	17.	8.	8.	16.	13.	11.	10.	11.	7.	8.	6.	5.	6.	6.	6.	6.	7.	9.	8.
21	13.	14.	13.	13.	13.	9.	10.	11.	14.	14.	16.	13.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
22	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
23	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
24	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
25	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
26	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
27	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
28	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
29	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
30	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
31	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 481 NUMBER OF MISSING HOURS = 263 DATA CAPTURE = 64.65 (PERCENT)

MAXIMUM 1-HR = 472. MICROGRAMS/CUBIC METER 2ND MAX. 1-HR = 386. MICROGRAMS/CUBIC METER

MINIMUM 1-HR = 0. MICROGRAMS/CUBIC METER ARITHMETIC MEANS = 25. MICROGRAMS/CUBIC METER

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

AMBIENT TEMPERATURE
DEGREES F

DATA FOR AUG 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
2	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
3	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
4	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
5	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
6	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
7	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
8	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
9	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
10	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
11	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
12	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
13	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
14	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
15	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
16	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
17	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
18	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
19	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
20	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
21	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
22	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
23	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
24	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
25	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
26	73.	72.	72.	72.	73.	73.	73.	76.	79.	82.	84.	86.	87.	87.	87.	87.	86.	83.	80.	76.	77.	75.	74.	73.
27	75.	75.	74.	75.	75.	76.	75.	78.	82.	84.	88.	88.	90.	91.	91.	88.	84.	79.	76.	76.	75.	75.	75.	75.
28	75.	75.	75.	75.	74.	74.	74.	76.	77.	79.	79.	79.	79.	80.	80.	80.	78.	78.	77.	77.	76.	77.	76.	76.
29	77.	77.	76.	77.	75.	75.	75.	78.	83.	85.	85.	86.	86.	89.	85.	86.	85.	84.	81.	80.	79.	77.	77.	76.
30	76.	75.	74.	74.	74.	74.	74.	75.	79.	84.	84.	86.	86.	88.	90.	90.	80.	77.	77.	76.	76.	76.	76.	75.
31	75.	75.	75.	74.	75.	75.	76.	77.	79.	81.	84.	86.	87.	88.	89.	87.	85.	84.	81.	80.	79.	78.	77.	76.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 154 NUMBER OF MISSING HOURS = 590 DATA CAPTURE = 20.70 (PERCENT)

MAXIMUM 1-HR = 91. DEGREES F 2ND MAX. 1-HR = 91. DEGREES F

MINIMUM 1-HR = 72. DEGREES F ARITHMETIC MEANS = 79. DEGREES F

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

AMBIENT TEMPERATURE
DEGREES F

DATA FOR SEP 1981

HR-REG HR-END DAY	HOURS (LST)																							
	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24
1	74.	76.	76.	75.	75.	75.	74.	75.	78.	83.	86.	87.	88.	88.	90.	89.	86.	84.	82.	81.	79.	77.	76.	75.
2	74.	74.	72.	72.	71.	71.	71.	72.	999.	84.	86.	88.	89.	89.	89.	88.	87.	85.	82.	78.	77.	75.	75.	74.
3	73.	72.	72.	72.	73.	73.	73.	75.	80.	85.	88.	90.	89.	87.	80.	84.	85.	84.	81.	80.	79.	78.	76.	76.
4	76.	75.	75.	75.	75.	74.	74.	77.	82.	85.	87.	87.	88.	87.	86.	86.	85.	83.	82.	80.	79.	78.	77.	75.
5	74.	74.	73.	73.	72.	73.	73.	77.	82.	83.	86.	87.	999.	999.	999.	84.	82.	82.	81.	80.	80.	79.	78.	78.
6	77.	77.	76.	77.	76.	75.	76.	77.	77.	78.	78.	79.	80.	80.	80.	80.	80.	79.	78.	78.	78.	77.	77.	75.
7	75.	74.	74.	74.	73.	74.	74.	78.	82.	84.	85.	79.	79.	81.	81.	81.	80.	79.	78.	75.	75.	74.	74.	73.
8	72.	71.	71.	71.	71.	70.	70.	75.	80.	84.	87.	90.	91.	90.	91.	92.	89.	86.	81.	79.	79.	77.	77.	76.
9	75.	74.	74.	73.	75.	74.	74.	75.	78.	82.	86.	89.	91.	91.	90.	91.	88.	85.	83.	80.	78.	77.	77.	75.
10	75.	74.	74.	74.	73.	73.	74.	76.	79.	83.	84.	85.	87.	86.	87.	84.	82.	81.	80.	81.	79.	79.	78.	77.
11	76.	76.	75.	74.	75.	75.	74.	76.	81.	84.	85.	86.	87.	87.	87.	87.	85.	83.	80.	78.	77.	77.	75.	74.
12	73.	73.	72.	71.	72.	71.	70.	74.	78.	82.	85.	86.	87.	87.	87.	87.	85.	83.	81.	79.	77.	76.	76.	75.
13	73.	72.	71.	71.	70.	70.	70.	73.	78.	85.	86.	87.	88.	88.	88.	86.	86.	83.	81.	78.	77.	76.	74.	73.
14	71.	71.	70.	68.	68.	67.	68.	70.	77.	84.	87.	88.	88.	88.	90.	88.	86.	84.	81.	78.	77.	75.	75.	74.
15	73.	73.	72.	72.	72.	71.	71.	75.	81.	86.	89.	91.	91.	93.	92.	90.	90.	90.	86.	82.	80.	79.	77.	76.
16	76.	76.	76.	77.	76.	74.	76.	79.	79.	81.	78.	73.	74.	74.	73.	75.	75.	74.	74.	72.	73.	72.	72.	74.
17	73.	73.	73.	73.	72.	73.	74.	80.	83.	86.	87.	89.	88.	82.	74.	77.	76.	75.	75.	75.	75.	75.	75.	74.
18	74.	74.	74.	70.	67.	66.	67.	67.	68.	72.	74.	77.	76.	78.	999.	80.	78.	76.	73.	70.	69.	68.	68.	67.
19	66.	64.	62.	61.	60.	58.	57.	56.	59.	62.	66.	69.	74.	75.	77.	77.	77.	74.	71.	67.	64.	62.	60.	59.
20	58.	58.	57.	57.	55.	54.	54.	60.	68.	72.	76.	78.	80.	82.	81.	82.	82.	80.	74.	71.	68.	67.	66.	65.
21	63.	63.	65.	64.	65.	66.	67.	70.	75.	77.	79.	80.	83.	83.	81.	80.	80.	78.	77.	76.	76.	75.	76.	75.
22	75.	74.	74.	72.	73.	73.	73.	75.	79.	82.	84.	84.	85.	85.	86.	86.	84.	82.	80.	77.	75.	73.	73.	72.
23	70.	68.	60.	68.	68.	67.	67.	70.	76.	81.	84.	87.	89.	90.	90.	88.	87.	83.	82.	78.	77.	75.	74.	72.
24	71.	71.	71.	71.	70.	70.	70.	74.	79.	82.	83.	83.	83.	83.	84.	83.	81.	79.	76.	75.	72.	70.	67.	67.
25	56.	66.	66.	66.	66.	66.	66.	68.	76.	80.	82.	81.	82.	81.	81.	80.	79.	78.	76.	75.	76.	76.	77.	77.
26	75.	75.	74.	74.	74.	73.	73.	73.	77.	78.	79.	80.	81.	82.	83.	83.	82.	80.	77.	74.	72.	72.	72.	73.
27	67.	67.	66.	65.	64.	65.	67.	70.	74.	80.	84.	84.	84.	85.	85.	84.	83.	81.	79.	77.	75.	73.	72.	71.
28	71.	70.	70.	70.	69.	69.	70.	71.	75.	81.	83.	85.	85.	86.	86.	85.	84.	82.	78.	76.	75.	73.	72.	71.
29	69.	67.	68.	68.	68.	68.	68.	72.	79.	83.	83.	85.	86.	87.	87.	86.	85.	83.	80.	78.	76.	75.	76.	75.
30	74.	74.	73.	72.	71.	70.	69.	72.	80.	83.	85.	86.	85.	86.	86.	85.	84.	81.	77.	76.	74.	71.	71.	70.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 715 NUMBER OF MISSING HOURS = 5 DATA CAPTURE = 99.31 (PERCENT)

MAXIMUM 1-HR = 93. DEGREES F 2ND MAX. 1-HR = 92. DEGREES F

MINIMUM 1-HR = 54. DEGREES F ARITHMETIC MEANS = 77. DEGREES F

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

AMBIENT TEMPERATURE
DEGREES F

DATA FOR OCT 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	70.	69.	67.	66.	66.	65.	66.	69.	77.	81.	84.	85.	87.	87.	87.	85.	85.	82.	79.	75.	73.	71.	70.	68.
2	68.	67.	66.	65.	65.	65.	65.	68.	74.	79.	83.	84.	87.	89.	88.	89.	88.	86.	82.	80.	79.	77.	77.	76.
3	71.	68.	67.	64.	63.	62.	61.	63.	66.	73.	78.	79.	78.	77.	77.	76.	73.	73.	71.	69.	68.	69.	67.	66.
4	65.	64.	62.	63.	64.	64.	62.	64.	72.	78.	81.	81.	82.	82.	83.	82.	80.	78.	74.	72.	73.	72.	71.	70.
5	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	80.	77.	74.	73.	72.	70.	68.	66.
6	65.	64.	63.	63.	62.	61.	62.	67.	76.	999.	82.	84.	85.	86.	87.	86.	86.	81.	76.	73.	73.	72.	70.	70.
7	68.	68.	66.	68.	69.	68.	68.	71.	76.	80.	83.	86.	87.	87.	88.	87.	87.	84.	81.	77.	78.	77.	77.	76.
8	76.	76.	75.	76.	76.	75.	75.	73.	75.	76.	79.	79.	79.	79.	78.	78.	77.	76.	73.	73.	73.	72.	72.	72.
9	71.	72.	72.	74.	73.	73.	73.	73.	76.	77.	77.	79.	80.	81.	81.	80.	79.	78.	76.	76.	75.	75.	74.	75.
10	72.	72.	72.	71.	71.	70.	70.	71.	78.	82.	85.	87.	87.	88.	89.	87.	84.	81.	79.	77.	75.	75.	75.	75.
11	73.	72.	72.	73.	72.	73.	72.	73.	73.	71.	72.	72.	70.	70.	70.	71.	71.	69.	68.	69.	68.	68.	68.	67.
12	67.	67.	66.	66.	66.	64.	64.	65.	70.	74.	74.	75.	76.	75.	74.	72.	73.	71.	68.	68.	68.	67.	65.	66.
13	64.	65.	63.	61.	61.	61.	62.	65.	70.	72.	71.	71.	70.	70.	68.	68.	68.	67.	67.	66.	68.	70.	71.	71.
14	70.	70.	70.	70.	69.	68.	69.	72.	74.	73.	74.	75.	75.	75.	74.	73.	73.	70.	68.	68.	68.	68.	68.	66.
15	66.	67.	66.	64.	64.	63.	63.	65.	67.	71.	73.	74.	75.	75.	77.	76.	74.	72.	67.	63.	63.	62.	59.	58.
16	57.	56.	56.	56.	55.	56.	57.	60.	63.	70.	75.	77.	79.	80.	80.	79.	79.	76.	70.	67.	65.	63.	62.	61.
17	60.	58.	58.	58.	58.	57.	55.	61.	66.	77.	80.	80.	81.	83.	84.	80.	78.	76.	73.	71.	70.	70.	69.	68.
18	67.	65.	64.	64.	65.	65.	64.	66.	73.	80.	80.	83.	83.	84.	85.	86.	85.	82.	77.	74.	72.	72.	72.	73.
19	71.	72.	68.	66.	63.	61.	58.	57.	61.	63.	65.	68.	70.	71.	69.	70.	70.	66.	61.	58.	55.	53.	52.	52.
20	50.	51.	51.	51.	50.	51.	50.	53.	59.	69.	73.	75.	74.	74.	75.	75.	72.	71.	68.	65.	63.	63.	63.	62.
21	59.	59.	58.	59.	59.	59.	58.	60.	67.	74.	78.	79.	81.	81.	81.	80.	79.	76.	73.	71.	69.	68.	68.	69.
22	68.	67.	66.	68.	66.	67.	68.	71.	75.	77.	80.	82.	81.	82.	84.	83.	81.	77.	74.	72.	70.	69.	69.	68.
23	66.	65.	65.	65.	64.	64.	63.	64.	71.	80.	83.	84.	85.	86.	86.	84.	81.	79.	76.	74.	72.	71.	70.	70.
24	69.	70.	69.	68.	68.	69.	69.	69.	72.	74.	76.	77.	78.	78.	77.	77.	75.	74.	72.	72.	72.	72.	72.	72.
25	70.	69.	70.	69.	69.	69.	69.	69.	70.	74.	77.	78.	80.	82.	83.	81.	80.	79.	76.	76.	76.	74.	74.	75.
26	75.	76.	76.	75.	74.	73.	73.	74.	77.	81.	82.	83.	86.	87.	88.	86.	78.	77.	76.	74.	74.	74.	73.	74.
27	73.	74.	73.	73.	74.	74.	73.	71.	74.	77.	78.	79.	82.	83.	84.	85.	85.	81.	80.	78.	77.	76.	73.	71.
28	68.	67.	67.	68.	67.	67.	67.	67.	69.	69.	71.	72.	73.	76.	77.	77.	76.	73.	71.	70.	68.	68.	66.	67.
29	66.	66.	66.	66.	65.	65.	65.	65.	66.	70.	75.	78.	80.	81.	81.	79.	77.	75.	74.	73.	72.	73.	73.	73.
30	72.	72.	72.	73.	73.	73.	73.	74.	76.	78.	79.	79.	77.	999.	65.	65.	62.	62.	62.	60.	59.	61.	61.	61.
31	61.	60.	58.	57.	58.	57.	59.	60.	60.	61.	61.	62.	64.	65.	61.	63.	64.	61.	60.	59.	61.	59.	60.	61.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 726 NUMBER OF MISSING HOURS = 18 DATA CAPTURE = 97.58 (PERCENT)

MAXIMUM 1-HR = 89. DEGREES F 2ND MAX. 1-HR = 88. DEGREES F

MINIMUM 1-HR = 50. DEGREES F ARITHMETIC MEANS = 72. DEGREES F

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

AMBIENT TEMPERATURE
DEGREES F

DATA FOR NOV 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	70.	71.	70.	71.	71.	71.	71.	71.	72.	75.	75.	80.	81.	81.	76.	77.	77.	74.	72.	71.	70.	69.	70.	69.
2	68.	68.	68.	69.	69.	68.	67.	67.	70.	76.	77.	77.	78.	75.	72.	72.	74.	74.	72.	71.	71.	71.	70.	69.
3	68.	68.	66.	66.	66.	66.	68.	69.	73.	74.	77.	80.	79.	79.	79.	80.	77.	77.	74.	72.	71.	71.	71.	72.
4	71.	70.	71.	71.	70.	71.	70.	70.	73.	75.	78.	81.	81.	81.	80.	76.	73.	71.	71.	72.	72.	72.	73.	73.
5	71.	72.	71.	71.	71.	71.	72.	73.	73.	74.	73.	75.	74.	73.	73.	72.	72.	72.	71.	70.	69.	68.	67.	68.
6	67.	67.	67.	68.	68.	67.	67.	67.	69.	71.	73.	75.	77.	78.	77.	77.	76.	72.	68.	65.	64.	63.	62.	61.
7	60.	60.	59.	59.	56.	54.	55.	56.	59.	62.	64.	67.	999.	999.	71.	70.	68.	65.	60.	59.	55.	53.	52.	51.
8	49.	48.	47.	47.	46.	46.	46.	48.	58.	65.	71.	74.	76.	77.	77.	77.	75.	71.	67.	66.	65.	65.	64.	65.
9	63.	62.	61.	61.	61.	60.	59.	61.	65.	73.	77.	79.	80.	80.	79.	78.	76.	74.	71.	71.	69.	68.	67.	65.
10	65.	66.	66.	65.	65.	65.	66.	67.	68.	70.	71.	72.	70.	68.	67.	67.	67.	67.	67.	67.	68.	69.	68.	68.
11	67.	67.	66.	66.	67.	67.	66.	64.	63.	62.	62.	63.	63.	62.	64.	63.	65.	66.	66.	66.	66.	65.	65.	61.
12	61.	59.	60.	58.	55.	55.	54.	54.	57.	61.	64.	66.	69.	69.	70.	69.	67.	63.	61.	58.	55.	55.	55.	55.
13	54.	54.	54.	54.	53.	51.	50.	50.	55.	59.	62.	63.	64.	64.	64.	62.	60.	58.	57.	56.	55.	54.	54.	54.
14	51.	49.	49.	48.	48.	47.	47.	47.	51.	58.	62.	64.	66.	67.	67.	66.	64.	60.	55.	51.	47.	47.	46.	45.
15	42.	43.	42.	40.	39.	39.	37.	39.	49.	59.	65.	69.	69.	71.	71.	72.	70.	66.	60.	56.	56.	54.	52.	51.
16	50.	49.	48.	48.	47.	46.	45.	47.	55.	63.	68.	69.	72.	75.	77.	76.	75.	71.	68.	67.	65.	66.	65.	67.
17	65.	63.	64.	62.	61.	59.	57.	56.	59.	62.	64.	66.	68.	69.	70.	70.	69.	66.	62.	60.	56.	55.	54.	53.
18	52.	51.	50.	49.	48.	47.	46.	47.	55.	62.	67.	71.	72.	73.	73.	73.	72.	67.	61.	56.	55.	57.	55.	53.
19	50.	49.	49.	48.	47.	47.	46.	48.	56.	67.	72.	75.	77.	77.	77.	78.	77.	73.	70.	68.	65.	63.	62.	62.
20	61.	61.	61.	61.	60.	61.	62.	63.	68.	73.	74.	76.	77.	79.	79.	77.	76.	72.	68.	65.	62.	60.	58.	55.
21	51.	50.	46.	46.	45.	44.	43.	45.	46.	48.	51.	54.	56.	59.	61.	62.	61.	56.	50.	47.	45.	44.	44.	42.
22	41.	40.	40.	38.	37.	36.	34.	36.	43.	50.	56.	59.	61.	62.	64.	63.	63.	58.	51.	47.	45.	43.	42.	41.
23	39.	38.	39.	39.	37.	38.	40.	40.	47.	57.	999.	63.	64.	66.	67.	66.	64.	62.	59.	56.	53.	51.	48.	48.
24	48.	46.	46.	48.	50.	51.	51.	54.	59.	64.	65.	71.	76.	76.	78.	78.	77.	73.	71.	67.	65.	61.	58.	55.
25	51.	49.	50.	48.	47.	46.	46.	45.	49.	54.	60.	63.	64.	66.	66.	66.	65.	62.	59.	55.	54.	52.	51.	49.
26	46.	46.	47.	45.	45.	45.	45.	47.	54.	66.	72.	75.	77.	77.	77.	76.	74.	69.	68.	65.	64.	62.	61.	63.
27	61.	59.	60.	61.	60.	60.	58.	58.	61.	69.	74.	77.	79.	80.	79.	78.	77.	73.	69.	67.	65.	64.	62.	61.
28	59.	58.	58.	57.	57.	57.	55.	55.	63.	68.	70.	75.	77.	79.	80.	80.	79.	76.	74.	71.	70.	69.	68.	68.
29	68.	68.	66.	63.	59.	57.	56.	56.	56.	65.	70.	73.	73.	77.	77.	74.	70.	68.	65.	63.	62.	60.	58.	57.
30	56.	54.	55.	54.	55.	54.	54.	54.	57.	66.	75.	78.	79.	80.	80.	80.	77.	75.	73.	72.	72.	72.	72.	71.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 717 NUMBER OF MISSING HOURS = 3 DATA CAPTURE = 99.58 (PERCENT)

MAXIMUM 1-HR = 81. DEGREES F 2ND MAX. 1-HR = 80. DEGREES F

MINIMUM 1-HR = 34. DEGREES F ARITHMETIC MEANS = 63. DEGREES F

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1		AMBIENT TEMPERATURE DEGREES F										DATA FOR DEC 1981														
		HOURS (LST)																								
HR-BEGIN	HR-END	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		63.	67.	65.	66.	66.	66.	65.	66.	68.	73.	76.	79.	80.	81.	81.	81.	80.	77.	74.	73.	72.	72.	72.	70.	
2		69.	68.	69.	69.	62.	60.	60.	59.	60.	61.	62.	64.	65.	66.	68.	69.	67.	66.	66.	65.	65.	66.	65.	62.	
3		60.	57.	55.	54.	52.	48.	46.	47.	53.	57.	60.	63.	65.	66.	67.	66.	64.	61.	58.	53.	50.	48.	46.	45.	
4		47.	47.	46.	45.	45.	43.	44.	48.	55.	63.	66.	67.	68.	68.	69.	68.	66.	63.	60.	57.	56.	54.	52.	51.	
5		49.	48.	46.	45.	45.	43.	42.	41.	43.	47.	51.	54.	56.	57.	59.	60.	59.	55.	49.	47.	43.	43.	43.	43.	
6		41.	41.	39.	41.	39.	38.	38.	39.	42.	48.	57.	59.	61.	64.	63.	62.	60.	59.	57.	54.	54.	52.	51.	52.	
7		50.	50.	49.	49.	49.	47.	47.	46.	50.	58.	65.	67.	69.	70.	69.	69.	67.	61.	56.	53.	51.	52.	50.	50.	
8		48.	48.	45.	46.	45.	43.	43.	45.	50.	58.	66.	69.	71.	73.	73.	73.	73.	71.	67.	64.	63.	63.	63.	62.	
9		60.	58.	57.	54.	49.	49.	48.	48.	49.	54.	57.	60.	61.	63.	64.	63.	62.	60.	58.	56.	54.	52.	52.	50.	
10		47.	46.	44.	42.	40.	39.	38.	36.	37.	40.	44.	46.	47.	49.	51.	52.	51.	49.	47.	45.	44.	42.	40.	37.	
11		34.	36.	35.	34.	35.	34.	34.	34.	34.	37.	38.	39.	44.	46.	49.	51.	52.	47.	42.	39.	38.	38.	37.	36.	
12		35.	34.	34.	37.	38.	39.	41.	41.	44.	48.	51.	54.	55.	54.	55.	53.	50.	47.	45.	45.	45.	45.	46.	47.	
13		47.	47.	47.	47.	47.	48.	48.	48.	50.	54.	58.	64.	66.	67.	68.	67.	66.	65.	63.	60.	59.	58.	58.	58.	
14		56.	55.	54.	53.	54.	56.	57.	59.	61.	65.	69.	73.	75.	75.	77.	76.	75.	72.	70.	68.	67.	67.	67.	67.	
15		66.	65.	65.	64.	66.	66.	68.	69.	70.	67.	69.	72.	72.	73.	69.	68.	66.	63.	59.	55.	55.	55.	54.	53.	
16		51.	46.	46.	45.	44.	41.	40.	42.	45.	49.	52.	55.	59.	60.	61.	61.	59.	56.	54.	51.	45.	42.	42.	40.	
17		38.	39.	38.	37.	37.	35.	37.	37.	44.	55.	61.	64.	69.	69.	70.	71.	70.	64.	62.	58.	56.	56.	57.	56.	
18		57.	56.	56.	55.	56.	57.	56.	56.	59.	61.	60.	58.	59.	59.	60.	60.	59.	57.	54.	52.	49.	47.	45.	42.	
19		39.	37.	35.	33.	32.	31.	29.	28.	28.	29.	32.	35.	38.	41.	43.	43.	43.	41.	39.	38.	37.	34.	34.	34.	
20		35.	34.	34.	35.	34.	32.	32.	31.	33.	37.	41.	45.	47.	48.	49.	48.	48.	45.	41.	39.	34.	33.	33.	31.	
21		32.	33.	32.	32.	31.	33.	32.	33.	35.	43.	54.	62.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
22		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
23		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
24		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
25		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
26		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
27		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
28		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
29		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
30		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	
31		999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 492 NUMBER OF MISSING HOURS = 252 DATA CAPTURE = 66.13 (PERCENT)

MAXIMUM 1-HR = 81. DEGREES F 2ND MAX. 1-HR = 81. DEGREES F

MINIMUM 1-HR = 28. DEGREES F ARITHMETIC MEANS = 53. DEGREES F

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND SPEED
MILES PER HOUR

DATA FOR AUG 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00 01	01 02	02 03	03 04	04 05	05 06	06 07	07 08	08 09	09 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	18 19	19 20	20 21	21 22	22 23	23 24
1	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
2	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
3	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
4	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
5	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
6	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	4.	4.	6.	4.	3.	0.	0.	3.	0.
7	3.	0.	3.	0.	0.	0.	0.	3.	5.	5.	7.	6.	7.	10.	6.	7.	6.	5.	4.	0.	0.	0.	0.	3.
8	0.	0.	3.	3.	3.	3.	3.	4.	5.	5.	6.	6.	8.	4.	3.	0.	3.	0.	0.	0.	0.	0.	0.	0.
9	3.	0.	0.	0.	0.	0.	0.	0.	4.	4.	5.	5.	5.	5.	4.	3.	0.	5.	3.	0.	3.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	0.	0.	3.	4.	3.	0.	4.	5.	5.	3.	4.	4.	4.	4.	0.	0.	0.	0.
11	0.	0.	0.	0.	0.	0.	0.	3.	4.	3.	3.	4.	5.	7.	4.	3.	3.	3.	0.	0.	3.	0.	0.	0.
12	0.	0.	0.	0.	0.	0.	0.	3.	3.	4.	4.	4.	5.	5.	4.	5.	9.	9.	8.	3.	3.	3.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	3.	4.	5.	6.	7.	6.	5.	4.	5.	3.	0.	0.	0.	3.	0.	0.
14	0.	0.	0.	0.	0.	3.	0.	4.	3.	5.	6.	6.	7.	9.	9.	9.	8.	6.	5.	4.	3.	0.	0.	0.
15	0.	0.	0.	3.	3.	3.	3.	3.	6.	6.	7.	7.	9.	7.	6.	7.	8.	6.	4.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	0.	0.	3.	4.	4.	4.	6.	7.	8.	9.	9.	7.	5.	4.	3.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	3.	5.	7.	8.	8.	10.	11.	11.	11.	12.	12.	9.	6.	6.	6.	5.	4.	3.
18	0.	3.	3.	6.	5.	4.	4.	6.	6.	6.	6.	6.	7.	7.	8.	7.	9.	12.	12.	10.	12.	11.	11.	12.
19	12.	10.	12.	11.	10.	9.	9.	7.	4.	7.	7.	8.	7.	7.	8.	9.	7.	7.	4.	0.	0.	3.	3.	0.
20	3.	5.	6.	3.	0.	5.	4.	5.	4.	3.	3.	5.	5.	3.	3.	3.	4.	3.	0.	0.	0.	0.	0.	0.
21	0.	3.	3.	3.	0.	0.	0.	3.	0.	0.	0.	3.	3.	4.	5.	0.	0.	3.	3.	0.	0.	0.	0.	0.
22	4.	4.	4.	3.	5.	5.	5.	4.	5.	5.	6.	5.	4.	3.	6.	8.	5.	5.	5.	4.	4.	3.	3.	0.
23	0.	0.	0.	0.	3.	0.	0.	0.	3.	4.	5.	5.	4.	3.	0.	4.	4.	4.	5.	3.	5.	4.	0.	0.
24	0.	0.	0.	0.	0.	0.	3.	5.	6.	7.	7.	7.	6.	8.	7.	9.	8.	8.	6.	3.	3.	0.	3.	3.
25	3.	3.	0.	3.	4.	4.	4.	5.	7.	10.	9.	11.	999.	999.	10.	10.	10.	9.	9.	6.	0.	0.	0.	0.
26	0.	0.	3.	3.	3.	3.	3.	5.	6.	12.	12.	10.	11.	11.	10.	10.	6.	5.	7.	0.	3.	3.	5.	3.
27	3.	3.	3.	0.	4.	3.	0.	3.	4.	4.	4.	5.	4.	4.	4.	6.	9.	10.	8.	6.	4.	0.	4.	4.
28	4.	5.	3.	3.	0.	0.	3.	3.	4.	4.	6.	5.	5.	5.	5.	7.	6.	5.	6.	5.	4.	4.	4.	4.
29	4.	4.	4.	3.	0.	0.	3.	4.	6.	9.	10.	9.	8.	6.	7.	6.	7.	3.	4.	5.	3.	0.	3.	4.
30	5.	3.	3.	5.	3.	3.	5.	4.	6.	7.	6.	7.	6.	7.	6.	8.	6.	0.	0.	3.	5.	6.	5.	4.
31	5.	4.	6.	5.	4.	5.	6.	6.	6.	7.	7.	9.	8.	8.	9.	12.	11.	11.	8.	5.	3.	0.	3.	3.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 607 NUMBER OF MISSING HOURS = 137 DATA CAPTURE = 81.59 (PERCENT)

MAXIMUM 1-HR = 12. MILES PER HOUR 2ND MAX. 1-HR = 11. MILES PER HOUR

MINIMUM 1-HR = 0. MILES PER HOUR ARITHMETIC MEANS = 4. MILES PER HOUR

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND SPEED
MILES PER HOUR

DATA FOR SEP 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	3.	0.	0.	4.	4.	4.	4.	5.	5.	6.	5.	6.	6.	6.	5.	7.	8.	8.	6.	6.	3.	0.	0.	0.
2	0.	3.	0.	0.	0.	0.	3.	4.	999.	3.	4.	5.	5.	6.	6.	9.	9.	8.	5.	3.	0.	3.	0.	0.
3	0.	0.	0.	0.	3.	3.	3.	4.	5.	5.	5.	6.	8.	10.	5.	4.	7.	7.	5.	3.	3.	3.	0.	3.
4	0.	3.	0.	3.	3.	3.	3.	3.	4.	4.	5.	8.	8.	7.	8.	9.	7.	8.	6.	6.	4.	0.	0.	0.
5	0.	0.	3.	0.	3.	3.	4.	4.	4.	3.	3.	5.	999.	999.	999.	9.	7.	7.	7.	4.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	3.	4.	5.	7.	8.	8.	8.	6.	5.	4.	4.	3.	3.	0.	0.	3.	0.
7	0.	3.	3.	3.	0.	0.	0.	3.	3.	4.	4.	7.	8.	7.	4.	3.	4.	3.	5.	3.	0.	0.	0.	0.
8	0.	3.	3.	3.	0.	0.	0.	0.	3.	5.	5.	5.	5.	4.	4.	3.	4.	4.	5.	3.	0.	0.	0.	0.
9	0.	0.	0.	0.	3.	0.	0.	3.	5.	5.	5.	4.	4.	4.	5.	6.	5.	3.	0.	4.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	3.	3.	0.	4.	7.	8.	7.	7.	6.	8.	9.	7.	4.	5.	5.	4.	3.	3.	3.
11	0.	3.	3.	0.	3.	3.	3.	3.	6.	9.	10.	10.	10.	9.	9.	8.	9.	8.	8.	5.	3.	0.	3.	3.
12	0.	0.	0.	0.	3.	3.	0.	3.	5.	7.	9.	9.	8.	9.	6.	7.	7.	6.	5.	4.	3.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	4.	4.	5.	6.	6.	8.	8.	8.	7.	4.	4.	3.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	3.	3.	4.	5.	4.	6.	6.	5.	5.	7.	5.	3.	3.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	3.	3.	0.	4.	5.	6.	5.	5.	5.	4.	4.	4.	4.	4.	3.	3.
16	4.	3.	4.	3.	4.	3.	3.	5.	3.	6.	6.	10.	5.	6.	4.	5.	3.	3.	3.	4.	4.	3.	3.	3.
17	4.	3.	3.	0.	0.	3.	3.	3.	4.	5.	5.	7.	8.	10.	6.	6.	8.	6.	4.	3.	3.	3.	4.	5.
18	6.	5.	6.	7.	7.	7.	6.	7.	7.	7.	6.	6.	6.	7.	999.	10.	8.	7.	5.	4.	6.	6.	7.	8.
19	7.	8.	8.	8.	8.	6.	6.	6.	7.	8.	6.	5.	5.	5.	5.	4.	4.	3.	3.	3.	0.	0.	0.	0.
20	3.	0.	0.	0.	0.	0.	0.	0.	0.	3.	5.	5.	5.	5.	5.	4.	4.	3.	3.	3.	0.	0.	0.	3.
21	0.	0.	0.	0.	0.	0.	3.	0.	6.	6.	6.	5.	5.	5.	6.	5.	5.	4.	3.	3.	3.	3.	3.	3.
22	3.	0.	0.	3.	4.	4.	3.	4.	7.	8.	8.	11.	10.	10.	9.	7.	7.	4.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	3.	0.	0.	3.	4.	5.	6.	7.	7.	7.	5.	5.	5.	4.	3.	4.	3.	3.	0.	3.	0.
24	0.	0.	4.	3.	0.	0.	4.	4.	7.	11.	12.	13.	11.	13.	13.	14.	12.	11.	8.	6.	4.	4.	3.	5.
25	4.	4.	4.	3.	4.	4.	4.	4.	6.	10.	12.	12.	12.	12.	9.	10.	11.	10.	8.	6.	6.	7.	6.	4.
26	3.	3.	3.	0.	3.	3.	5.	3.	0.	4.	5.	7.	7.	7.	9.	9.	8.	6.	4.	3.	3.	0.	3.	3.
27	0.	0.	0.	0.	0.	3.	3.	4.	4.	7.	7.	8.	9.	10.	10.	10.	9.	9.	7.	6.	4.	0.	0.	3.
28	3.	3.	4.	4.	3.	4.	4.	4.	5.	7.	8.	9.	10.	9.	10.	11.	8.	7.	5.	3.	0.	0.	0.	0.
29	0.	0.	3.	0.	0.	0.	0.	3.	4.	8.	9.	10.	11.	10.	9.	9.	8.	6.	6.	5.	3.	3.	3.	3.
30	0.	0.	0.	3.	3.	3.	0.	0.	3.	7.	7.	7.	11.	9.	9.	8.	8.	5.	0.	0.	0.	0.	0.	0.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 715 NUMBER OF MISSING HOURS = 5 DATA CAPTURE = 99.31 (PERCENT)

MAXIMUM 1-HR = 14. MILES PER HOUR 2ND MAX. 1-HR = 13. MILES PER HOUR

MINIMUM 1-HR = 0. MILES PER HOUR ARITHMETIC MEANS = 4. MILES PER HOUR

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND SPEED
MILES PER HOUR

DATA FOR OCT 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	0.	0.	0.	0.	0.	0.	0.	0.	3.	4.	5.	5.	6.	6.	7.	8.	6.	5.	3.	3.	3.	0.	0.	0.
2	3.	0.	3.	0.	4.	3.	4.	4.	7.	9.	10.	11.	10.	11.	11.	11.	9.	5.	3.	4.	4.	5.	8.	7.
3	5.	5.	6.	6.	6.	5.	7.	6.	6.	7.	11.	12.	13.	14.	13.	12.	12.	11.	9.	7.	7.	7.	4.	4.
4	4.	3.	3.	4.	3.	3.	3.	4.	4.	7.	5.	7.	7.	8.	9.	6.	5.	4.	3.	3.	3.	0.	0.	0.
5	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	0.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	3.	4.	999.	4.	5.	5.	5.	4.	4.	3.	4.	3.	0.	4.	4.	0.	3.
7	4.	0.	0.	0.	3.	3.	3.	5.	5.	9.	7.	8.	8.	6.	6.	6.	6.	3.	0.	0.	5.	4.	4.	4.
8	4.	3.	3.	5.	3.	6.	4.	3.	6.	8.	7.	7.	7.	9.	8.	6.	7.	8.	7.	4.	4.	3.	3.	2.
9	0.	3.	3.	3.	4.	4.	4.	5.	7.	7.	5.	7.	8.	8.	9.	8.	6.	5.	3.	4.	4.	4.	0.	0.
10	0.	4.	3.	0.	0.	0.	0.	0.	5.	6.	5.	8.	8.	8.	6.	7.	8.	4.	6.	5.	0.	0.	0.	0.
11	0.	3.	3.	3.	4.	5.	6.	7.	9.	8.	9.	8.	9.	9.	7.	8.	10.	10.	8.	8.	8.	8.	6.	7.
12	7.	7.	7.	7.	7.	7.	7.	6.	10.	10.	14.	12.	14.	12.	14.	13.	13.	8.	7.	7.	6.	4.	4.	5.
13	6.	6.	6.	6.	7.	6.	6.	7.	12.	16.	13.	13.	14.	15.	13.	12.	11.	9.	10.	10.	10.	10.	12.	12.
14	11.	10.	8.	7.	5.	4.	5.	7.	12.	10.	11.	9.	10.	13.	13.	14.	15.	11.	10.	9.	8.	8.	7.	6.
15	7.	9.	6.	6.	6.	7.	8.	9.	9.	12.	13.	11.	11.	11.	11.	12.	10.	7.	3.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	4.	5.	7.	6.	6.	7.	9.	8.	6.	7.	5.	4.	3.	3.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	3.	5.	5.	6.	5.	7.	6.	5.	4.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	4.	5.	6.	8.	9.	9.	8.	9.	6.	4.	4.	4.	3.	3.	4.	3.
19	6.	10.	11.	10.	10.	7.	7.	8.	11.	13.	11.	8.	9.	11.	11.	9.	8.	4.	3.	0.	0.	0.	0.	0.
20	0.	0.	3.	4.	3.	3.	4.	3.	4.	4.	8.	9.	9.	10.	10.	9.	7.	4.	0.	0.	0.	0.	0.	3.
21	4.	3.	3.	4.	4.	3.	4.	3.	4.	7.	9.	8.	9.	10.	10.	9.	8.	5.	4.	4.	4.	3.	3.	3.
22	2.	2.	3.	3.	3.	3.	4.	4.	5.	5.	5.	6.	4.	8.	8.	7.	6.	4.	3.	2.	2.	2.	3.	2.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	3.	4.	4.	4.	3.	3.	4.	4.	3.	0.	0.	0.	3.
24	0.	3.	4.	4.	3.	3.	4.	6.	10.	12.	10.	9.	8.	10.	11.	10.	12.	9.	6.	5.	6.	4.	4.	3.
25	3.	3.	3.	3.	3.	4.	0.	3.	3.	3.	4.	4.	5.	5.	4.	3.	4.	3.	3.	3.	3.	3.	3.	3.
26	3.	4.	4.	4.	5.	4.	0.	4.	7.	9.	7.	7.	5.	4.	5.	6.	4.	3.	3.	3.	3.	3.	3.	5.
27	5.	5.	3.	4.	5.	4.	4.	5.	5.	4.	7.	8.	8.	7.	6.	4.	4.	3.	3.	3.	5.	6.	8.	7.
28	5.	5.	5.	6.	5.	5.	5.	5.	6.	7.	6.	6.	6.	6.	5.	6.	6.	5.	5.	4.	3.	2.	2.	2.
29	3.	3.	4.	4.	4.	4.	5.	6.	5.	6.	8.	9.	10.	12.	13.	12.	11.	12.	12.	12.	11.	9.	8.	9.
30	9.	8.	9.	8.	7.	9.	10.	10.	10.	11.	11.	11.	14.	999.	10.	13.	13.	13.	14.	11.	11.	12.	12.	11.
31	11.	14.	14.	15.	15.	14.	15.	14.	11.	14.	15.	16.	15.	17.	15.	15.	17.	14.	12.	13.	13.	12.	14.	15.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 726 NUMBER OF MISSING HOURS = 18 DATA CAPTURE = 97.58 (PERCENT)

MAXIMUM 1-HR = 17. MILES PER HOUR 2ND MAX. 1-HR = 16. MILES PER HOUR

MINIMUM 1-HR = 0. MILES PER HOUR ARITHMETIC MEANS = 6. MILES PER HOUR

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND SPEED
MILES PER HOUR

DATA FOR NOV 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	12.	13.	11.	12.	11.	11.	12.	9.	8.	11.	10.	12.	10.	11.	10.	10.	9.	8.	7.	7.	6.	6.	4.	5.
2	5.	6.	5.	6.	5.	6.	5.	4.	5.	8.	8.	11.	11.	7.	6.	6.	5.	4.	4.	3.	0.	3.	3.	3.
3	0.	3.	3.	3.	4.	4.	5.	5.	6.	12.	12.	9.	8.	8.	7.	6.	6.	5.	4.	3.	3.	0.	0.	4.
4	5.	5.	5.	3.	4.	5.	5.	4.	5.	6.	7.	8.	6.	5.	5.	5.	4.	4.	3.	3.	3.	3.	4.	4.
5	4.	5.	6.	5.	4.	4.	4.	4.	5.	5.	6.	6.	9.	11.	11.	10.	12.	10.	8.	6.	5.	7.	6.	7.
6	9.	9.	9.	9.	7.	7.	7.	8.	9.	10.	9.	9.	12.	13.	13.	11.	10.	7.	5.	4.	5.	5.	6.	6.
7	6.	8.	7.	8.	7.	7.	9.	7.	8.	6.	4.	5.	999.	999.	3.	5.	3.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	4.	5.	4.	4.	4.	3.	3.	3.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	5.	5.	5.	4.	4.	3.	3.	3.	3.	3.	0.	3.	3.	0.
10	0.	0.	0.	0.	0.	3.	0.	0.	4.	3.	4.	5.	8.	9.	10.	7.	10.	11.	9.	8.	6.	5.	4.	4.
11	6.	10.	12.	8.	7.	5.	7.	10.	10.	9.	12.	13.	11.	10.	8.	7.	5.	6.	6.	6.	6.	7.	7.	7.
12	7.	6.	6.	6.	6.	6.	6.	7.	7.	6.	9.	10.	11.	12.	12.	12.	10.	9.	7.	5.	0.	0.	4.	4.
13	5.	7.	7.	7.	6.	7.	8.	8.	8.	11.	10.	11.	9.	10.	12.	13.	11.	9.	10.	7.	6.	6.	6.	7.
14	6.	6.	5.	6.	6.	5.	5.	5.	5.	7.	9.	8.	8.	8.	8.	7.	6.	3.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	3.	4.	5.	6.	7.	6.	7.	7.	7.	4.	0.	3.	4.	4.	3.	3.
16	4.	3.	4.	4.	3.	0.	0.	3.	3.	4.	6.	7.	8.	8.	8.	7.	6.	4.	3.	4.	4.	4.	3.	4.
17	8.	4.	7.	6.	7.	7.	7.	7.	9.	11.	12.	13.	13.	13.	12.	11.	8.	6.	5.	4.	0.	4.	4.	3.
18	4.	5.	4.	5.	4.	3.	3.	4.	3.	4.	7.	8.	7.	8.	9.	9.	6.	3.	0.	0.	0.	4.	3.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	3.	4.	5.	6.	6.	6.	7.	6.	4.	4.	5.	4.	4.	4.	4.	3.
20	4.	4.	5.	5.	3.	3.	3.	4.	5.	7.	7.	6.	8.	14.	11.	13.	13.	9.	8.	9.	8.	9.	8.	6.
21	7.	8.	7.	6.	6.	7.	6.	9.	8.	10.	8.	8.	8.	8.	8.	6.	7.	4.	3.	3.	3.	3.	4.	4.
22	3.	4.	4.	0.	0.	0.	0.	0.	3.	5.	4.	5.	5.	6.	7.	7.	6.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	999.	7.	6.	8.	8.	8.	6.	3.	3.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	4.	4.	3.	5.	5.	6.	6.	10.	13.	11.	16.	15.	12.	10.	10.	7.	7.	6.	7.	6.
25	3.	3.	5.	4.	6.	6.	6.	5.	6.	7.	5.	5.	7.	6.	6.	6.	7.	4.	4.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	6.	7.	7.	7.	6.	5.	4.	3.	3.	3.	3.	0.	0.	3.
27	0.	0.	4.	4.	4.	3.	3.	3.	0.	4.	6.	6.	6.	6.	6.	8.	5.	4.	3.	4.	3.	3.	3.	3.
28	0.	6.	0.	3.	3.	0.	0.	0.	4.	5.	4.	6.	9.	9.	8.	7.	5.	3.	5.	4.	5.	5.	4.	6.
29	5.	5.	5.	5.	4.	3.	3.	5.	4.	4.	4.	5.	5.	6.	7.	9.	7.	5.	5.	5.	3.	3.	0.	0.
30	0.	0.	0.	0.	3.	0.	0.	0.	0.	0.	5.	5.	5.	5.	4.	3.	0.	3.	0.	0.	3.	4.	4.	4.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 717 NUMBER OF MISSING HOURS = 3 DATA CAPTURE = 99.58 (PERCENT)

MAXIMUM 1-HR = 16. MILES PER HOUR 2ND MAX. 1-HR = 15. MILES PER HOUR

MINIMUM 1-HR = 0. MILES PER HOUR ARITHMETIC MEANS = 5. MILES PER HOUR

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND SPEED
MILES PER HOUR

DATA FOR DEC 1981

HR-BEGIN HR-END DAY	HOURS (LST)																								
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	3.	0.	3.	4.	4.	3.	3.	4.	5.	7.	10.	10.	10.	10.	9.	8.	6.	4.	3.	3.	3.	4.	4.	4.	4.
2	3.	3.	3.	8.	11.	5.	5.	0.	3.	3.	3.	0.	3.	3.	4.	4.	3.	3.	3.	3.	3.	6.	8.	6.	6.
3	12.	10.	7.	7.	5.	3.	3.	3.	3.	4.	5.	5.	6.	5.	4.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	3.	3.	0.	0.	0.	0.	0.	3.	5.	7.	14.	12.	13.	12.	12.	11.	8.	7.	7.	7.	8.	7.	6.	6.
5	0.	6.	6.	6.	6.	7.	7.	7.	9.	9.	8.	9.	9.	9.	7.	6.	4.	3.	0.	0.	0.	0.	0.	0.	0.
6	3.	4.	3.	4.	4.	3.	4.	3.	4.	5.	6.	8.	7.	6.	5.	7.	4.	4.	3.	0.	0.	0.	0.	0.	0.
7	0.	3.	0.	0.	3.	0.	4.	0.	3.	0.	0.	5.	5.	5.	4.	4.	3.	0.	0.	0.	0.	3.	3.	4.	4.
8	4.	3.	0.	3.	0.	3.	0.	0.	3.	6.	10.	11.	10.	12.	12.	12.	11.	8.	5.	6.	6.	6.	8.	7.	7.
9	6.	6.	6.	4.	5.	6.	6.	8.	8.	9.	9.	9.	9.	9.	11.	12.	10.	8.	7.	5.	5.	5.	8.	6.	6.
10	7.	7.	7.	7.	6.	7.	8.	8.	11.	11.	11.	9.	10.	11.	10.	11.	10.	8.	7.	7.	6.	6.	4.	5.	5.
11	6.	7.	7.	7.	8.	8.	8.	7.	7.	7.	6.	7.	7.	7.	5.	6.	6.	4.	0.	0.	0.	0.	0.	0.	0.
12	0.	0.	3.	0.	0.	0.	3.	3.	3.	3.	6.	4.	0.	4.	3.	3.	0.	0.	4.	4.	5.	3.	4.	4.	4.
13	4.	3.	0.	5.	0.	0.	4.	0.	3.	3.	3.	4.	6.	5.	5.	5.	5.	6.	4.	4.	5.	5.	4.	5.	5.
14	4.	0.	0.	0.	0.	0.	0.	3.	5.	5.	6.	8.	8.	6.	6.	7.	5.	0.	3.	3.	3.	3.	0.	3.	3.
15	5.	6.	4.	4.	6.	7.	8.	7.	7.	7.	7.	11.	16.	16.	16.	14.	12.	10.	12.	12.	11.	10.	9.	10.	10.
16	10.	3.	4.	4.	5.	3.	3.	5.	7.	7.	8.	8.	5.	5.	5.	5.	3.	3.	3.	0.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	5.	5.	6.	7.	5.	3.	0.	3.	0.	0.	3.	3.	3.	3.
18	0.	0.	0.	0.	3.	4.	0.	0.	5.	7.	9.	8.	7.	8.	9.	10.	10.	8.	8.	8.	7.	7.	7.	7.	7.
19	8.	8.	9.	9.	9.	8.	10.	9.	10.	10.	8.	8.	7.	8.	8.	9.	8.	6.	6.	6.	6.	6.	7.	8.	7.
20	7.	7.	7.	6.	7.	7.	8.	8.	8.	9.	9.	8.	9.	9.	8.	9.	8.	4.	0.	0.	0.	0.	0.	0.	0.
21	3.	4.	0.	3.	0.	0.	0.	3.	3.	0.	0.	4.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
22	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
23	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
24	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
25	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
26	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
27	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
28	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
29	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
30	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
31	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 492 NUMBER OF MISSING HOURS = 252 DATA CAPTURE = 66.13 (PERCENT)

MAXIMUM 1-HR = 16. MILES PER HOUR 2ND MAX. 1-HR = 14. MILES PER HOUR
 MINIMUM 1-HR = 0. MILES PER HOUR ARITHMETIC MEANS = 5. MILES PER HOUR

NOTE : 999 - MISSING VALUE INDICATOR

GEORGIA PACIFIC

STATION #1

WIND DIRECTION
DEGREES

DATA FOR AUG 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
2	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
3	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
4	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
5	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
6	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	269	238	234	244	204	0	0	186	0
7	205	0	218	0	0	0	0	255	278	280	267	262	257	253	247	256	266	261	260	0	0	0	0	187
8	0	0	189	201	211	222	206	217	243	246	246	248	270	218	151	0	192	244	0	0	0	0	0	0
9	182	0	0	0	0	0	0	0	220	220	229	234	237	225	174	221	0	233	149	0	138	0	0	0
10	0	0	0	0	0	0	0	0	213	172	131	0	144	77	128	153	197	297	282	70	0	0	0	0
11	0	0	0	0	0	0	0	160	181	201	201	214	191	104	116	152	147	155	0	0	103	0	0	0
12	0	0	0	0	0	0	0	72	120	100	122	226	132	119	105	48	52	60	94	238	222	0	0	0
13	0	0	0	0	0	0	0	0	210	163	51	26	17	119	188	182	179	178	0	0	0	146	0	0
14	0	0	0	0	0	30	0	76	93	49	101	106	69	35	66	45	34	33	74	48	83	0	0	0
15	0	0	0	20	32	39	39	18	16	47	22	67	39	60	40	57	70	59	75	0	0	0	0	0
16	0	0	0	0	0	0	0	65	14	122	125	80	71	34	50	59	44	36	118	60	0	0	0	0
17	0	0	0	0	0	0	102	13	28	30	86	28	34	33	57	38	35	39	100	100	30	32	45	91
18	0	34	40	149	73	41	45	79	86	101	46	171	97	96	31	67	34	38	30	21	17	52	25	43
19	252	319	291	282	276	277	274	272	255	264	257	254	233	269	201	271	258	279	248	0	0	243	235	0
20	249	217	75	167	0	23	94	23	24	105	174	86	72	187	192	118	57	134	0	0	0	0	0	0
21	0	47	123	74	0	0	0	256	0	0	0	272	200	152	202	0	0	78	63	0	0	0	0	0
22	246	263	346	261	200	347	337	343	278	238	109	59	93	178	177	41	80	47	49	67	107	76	131	0
23	0	0	0	0	60	0	0	0	130	187	205	194	212	235	0	142	226	245	198	48	33	101	0	0
24	0	0	0	0	0	0	59	28	118	14	56	24	80	72	69	36	37	42	43	39	76	118	0	41
25	24	118	0	102	8	17	62	68	61	34	47	42	999	999	58	43	50	55	47	32	0	0	0	0
26	0	0	126	52	23	27	71	10	16	31	41	52	42	40	39	78	53	58	133	0	195	58	25	85
27	113	107	81	0	23	91	0	117	164	209	206	210	224	176	177	108	100	173	99	187	247	0	186	209
28	196	185	176	168	0	0	133	171	182	185	192	189	178	196	152	215	225	209	208	201	212	212	210	204
29	208	200	204	221	0	0	226	218	238	261	282	295	306	322	100	110	105	126	113	148	229	0	166	197
30	311	226	216	253	248	169	234	243	272	314	267	314	322	289	271	246	169	0	0	180	224	252	273	173
31	246	269	273	277	320	286	340	349	262	197	150	51	51	48	28	34	29	27	34	34	96	0	46	63

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 607 NUMBER OF MISSING HOURS = 137 DATA CAPTURE = 81.59 (PERCENT)

MAXIMUM 1-HR = 349 DEGREES 2ND MAX. 1-HR = 347 DEGREES

MINIMUM 1-HR = 0 DEGREES ARITHMETIC MEANS = 102 DEGREES

NOTE : 999 - MISSING VALUE INDICATOR
0 WIND DIRECTION INDICATES CALM CONDITIONS

GEORGIA PACIFIC

STATION #1

WIND DIRECTION
DEGREES

DATA FOR SEP 1981

HR-BEG HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	150.	0.	0.	181.	289.	341.	204.	222.	179.	185.	103.	211.	142.	81.	61.	44.	46.	47.	52.	50.	72.	0.	0.	0.
2	0.	32.	0.	0.	0.	0.	99.	70.	999.	131.	184.	81.	118.	51.	131.	21.	36.	41.	50.	73.	0.	28.	0.	0.
3	0.	0.	0.	0.	60.	249.	231.	203.	136.	168.	128.	127.	84.	91.	208.	99.	48.	77.	92.	89.	84.	85.	0.	50.
4	0.	10.	0.	30.	26.	31.	40.	22.	37.	34.	34.	33.	28.	30.	40.	40.	41.	41.	30.	33.	13.	0.	0.	0.
5	0.	0.	240.	0.	145.	207.	98.	47.	43.	204.	240.	177.	999.	999.	999.	48.	34.	29.	44.	58.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	194.	85.	29.	17.	36.	45.	46.	51.	48.	62.	78.	112.	77.	0.	0.	69.	0.
7	0.	111.	86.	62.	0.	0.	0.	77.	118.	144.	157.	197.	42.	63.	101.	119.	157.	185.	193.	185.	0.	0.	0.	0.
8	0.	159.	189.	205.	0.	0.	0.	0.	236.	285.	278.	261.	268.	100.	207.	217.	240.	258.	232.	211.	0.	0.	0.	0.
9	0.	0.	0.	0.	191.	0.	0.	220.	208.	104.	240.	239.	253.	265.	176.	283.	104.	142.	0.	195.	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	103.	66.	0.	30.	45.	86.	49.	56.	126.	73.	39.	55.	64.	39.	31.	43.	99.	50.	61.
11	0.	139.	187.	0.	16.	88.	14.	177.	17.	30.	19.	36.	50.	48.	52.	45.	49.	52.	41.	33.	64.	0.	59.	50.
12	0.	0.	0.	0.	119.	57.	0.	95.	158.	253.	284.	214.	187.	26.	43.	44.	34.	43.	44.	50.	103.	0.	0.	0.
13	0.	0.	0.	0.	0.	0.	0.	0.	18.	165.	93.	34.	72.	41.	50.	55.	50.	57.	63.	114.	0.	0.	0.	0.
14	0.	0.	0.	0.	0.	0.	0.	107.	15.	77.	216.	75.	52.	78.	79.	58.	68.	85.	121.	138.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	194.	247.	0.	158.	218.	216.	204.	177.	183.	204.	204.	198.	215.	242.	197.	211.
16	192.	188.	193.	192.	211.	205.	199.	224.	222.	252.	265.	253.	250.	228.	220.	204.	201.	202.	205.	227.	225.	193.	194.	213.
17	202.	204.	229.	0.	0.	246.	231.	243.	261.	275.	256.	241.	237.	286.	174.	64.	185.	140.	48.	163.	194.	213.	240.	272.
18	264.	289.	326.	327.	330.	336.	331.	334.	341.	338.	300.	339.	310.	294.	999.	290.	278.	280.	299.	264.	288.	284.	291.	303.
19	316.	340.	337.	338.	342.	334.	344.	344.	341.	339.	230.	168.	172.	246.	71.	85.	95.	109.	115.	113.	0.	0.	0.	0.
20	250.	0.	0.	0.	0.	0.	0.	0.	0.	282.	152.	161.	133.	272.	146.	115.	68.	117.	154.	129.	0.	0.	0.	139.
21	0.	0.	0.	0.	0.	0.	113.	0.	34.	44.	62.	68.	105.	54.	67.	59.	72.	127.	102.	118.	160.	140.	195.	112.
22	99.	0.	0.	144.	57.	69.	137.	98.	48.	47.	45.	47.	47.	51.	98.	58.	98.	113.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	235.	0.	0.	233.	255.	267.	281.	324.	258.	255.	182.	195.	40.	81.	120.	96.	125.	125.	0.	136.	0.
24	0.	0.	76.	112.	0.	0.	118.	25.	33.	38.	41.	45.	52.	46.	47.	46.	36.	39.	45.	44.	38.	57.	57.	24.
25	7.	13.	20.	10.	12.	10.	43.	15.	28.	41.	36.	38.	39.	43.	47.	56.	37.	41.	36.	25.	32.	36.	44.	117.
26	148.	96.	117.	0.	249.	189.	221.	58.	0.	87.	54.	51.	52.	57.	43.	56.	50.	52.	67.	96.	91.	0.	87.	163.
27	0.	0.	0.	0.	0.	105.	74.	185.	159.	35.	55.	42.	38.	42.	48.	43.	46.	46.	43.	44.	63.	0.	0.	94.
28	192.	94.	294.	289.	202.	154.	205.	86.	106.	67.	53.	56.	37.	50.	43.	46.	50.	48.	54.	72.	0.	0.	0.	0.
29	0.	0.	63.	0.	0.	0.	0.	130.	53.	39.	38.	42.	38.	45.	44.	54.	59.	52.	54.	109.	106.	141.	132.	166.
30	0.	0.	0.	99.	23.	50.	0.	0.	63.	60.	64.	66.	44.	43.	51.	49.	56.	73.	0.	0.	0.	0.	0.	0.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 715 NUMBER OF MISSING HOURS = 5 DATA CAPTURE = 99.31 (PERCENT)

MAXIMUM 1-HR = 344. DEGREES 2ND MAX. 1-HR = 342. DEGREES

MINIMUM 1-HR = 0. DEGREES ARITHMETIC MEANS = 92. DEGREES

NOTE : 999 - MISSING VALUE INDICATOR
0 WIND DIRECTION INDICATES CALM CONDITIONS

GEORGIA PACIFIC

STATION #1

WIND DIRECTION
DEGREES

DATA FOR OCT 1981

HR-BEG	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HR-END	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								
1	0.	0.	0.	0.	0.	0.	0.	0.	67.	123.	126.	121.	64.	64.	48.	43.	45.	74.	121.	148.	174.	0.	0.	0.
2	237.	0.	227.	0.	238.	231.	236.	232.	268.	277.	287.	288.	292.	283.	280.	275.	272.	236.	226.	223.	228.	257.	322.	341.
3	11.	262.	339.	345.	345.	341.	325.	328.	346.	98.	32.	25.	32.	38.	39.	39.	37.	32.	30.	34.	22.	27.	18.	158.
4	191.	185.	95.	24.	155.	74.	183.	4.	114.	45.	86.	53.	45.	45.	46.	89.	60.	72.	73.	97.	99.	0.	0.	0.
5	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	0.	0.	0.	0.	0.	0.	0.
6	0.	0.	0.	0.	0.	0.	0.	228.	222.	999.	175.	108.	108.	113.	214.	134.	226.	88.	117.	0.	179.	177.	0.	236.
7	258.	0.	0.	0.	226.	223.	227.	260.	251.	265.	260.	254.	270.	283.	295.	305.	299.	234.	0.	0.	263.	264.	255.	256.
8	255.	230.	221.	297.	287.	324.	279.	284.	34.	38.	36.	61.	45.	33.	38.	39.	34.	24.	23.	25.	63.	19.	26.	50.
9	0.	264.	55.	43.	34.	31.	41.	186.	26.	37.	36.	40.	34.	22.	26.	29.	34.	66.	71.	57.	46.	60.	0.	0.
10	0.	95.	185.	0.	0.	0.	0.	0.	249.	266.	299.	283.	281.	270.	300.	192.	32.	39.	60.	50.	0.	0.	0.	0.
11	0.	18.	38.	40.	38.	39.	39.	39.	38.	37.	38.	37.	36.	37.	37.	37.	36.	37.	36.	35.	35.	35.	35.	35.
12	341.	346.	344.	342.	338.	339.	336.	341.	352.	156.	58.	159.	21.	16.	15.	109.	5.	352.	354.	356.	344.	340.	232.	354.
13	354.	351.	339.	331.	334.	334.	341.	346.	151.	23.	14.	11.	12.	9.	13.	7.	9.	239.	5.	265.	124.	100.	22.	25.
14	25.	20.	29.	23.	45.	124.	73.	79.	22.	34.	91.	45.	67.	24.	21.	14.	12.	237.	353.	346.	349.	357.	354.	181.
15	282.	354.	339.	333.	337.	333.	345.	334.	347.	143.	11.	353.	13.	15.	61.	17.	18.	25.	64.	0.	0.	0.	0.	0.
16	0.	0.	0.	0.	0.	238.	261.	295.	316.	349.	175.	346.	148.	238.	67.	191.	96.	86.	133.	160.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	247.	0.	176.	155.	153.	170.	213.	81.	42.	61.	118.	0.	0.	0.	0.	0.
18	0.	0.	0.	0.	0.	0.	0.	0.	217.	217.	228.	236.	245.	240.	229.	235.	228.	222.	206.	221.	210.	209.	208.	219.
19	254.	307.	321.	327.	333.	334.	343.	342.	352.	346.	345.	310.	345.	119.	22.	21.	152.	139.	73.	0.	0.	0.	0.	0.
20	0.	0.	393.	260.	344.	349.	342.	347.	344.	186.	31.	45.	42.	36.	39.	37.	42.	45.	0.	0.	0.	0.	0.	351.
21	295.	287.	218.	91.	298.	289.	96.	351.	351.	22.	37.	37.	44.	30.	39.	39.	31.	40.	43.	15.	17.	85.	42.	67.
22	95.	204.	124.	147.	83.	27.	19.	117.	31.	43.	50.	58.	55.	46.	47.	47.	46.	60.	96.	133.	121.	133.	103.	98.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	243.	210.	291.	194.	137.	141.	72.	114.	108.	123.	0.	0.	0.	216.
24	0.	185.	66.	29.	56.	24.	182.	237.	11.	19.	17.	35.	36.	31.	28.	25.	10.	67.	69.	88.	60.	168.	79.	90.
25	57.	54.	76.	74.	75.	175.	0.	77.	22.	84.	144.	164.	163.	144.	155.	142.	144.	114.	120.	147.	149.	164.	164.	166.
26	149.	155.	159.	160.	153.	157.	0.	162.	164.	174.	179.	182.	180.	191.	215.	231.	92.	49.	145.	178.	158.	185.	152.	140.
27	144.	153.	210.	242.	264.	214.	233.	180.	140.	234.	269.	265.	272.	261.	236.	229.	235.	178.	163.	70.	259.	266.	335.	341.
28	344.	278.	94.	351.	232.	11.	265.	274.	294.	183.	10.	8.	24.	21.	48.	41.	43.	36.	36.	37.	53.	70.	96.	179.
29	91.	251.	164.	191.	262.	135.	346.	344.	348.	356.	17.	29.	22.	31.	29.	31.	15.	26.	24.	11.	21.	23.	23.	29.
30	33.	42.	98.	16.	16.	14.	15.	22.	26.	31.	27.	44.	32.	999.	29.	22.	20.	15.	45.	8.	14.	14.	11.	12.
31	12.	18.	16.	9.	4.	180.	357.	122.	3.	97.	12.	21.	23.	31.	24.	25.	27.	21.	14.	14.	8.	13.	25.	28.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 726 NUMBER OF MISSING HOURS = 18 DATA CAPTURE = 97.58 (PERCENT)

MAXIMUM 1-HR = 357. DEGREES 2ND MAX. 1-HR = 356. DEGREES

MINIMUM 1-HR = 0. DEGREES ARITHMETIC MEANS = 120. DEGREES

NOTE : 999 - MISSING VALUE INDICATOR
0 WIND DIRECTION INDICATES CALM CONDITIONS

GEORGIA PACIFIC

STATION #1

WIND DIRECTION
DEGREES

DATA FOR NOV 1981

HR-BEGIN HR-END DAY	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	21.	13.	6.	56.	8.	12.	23.	20.	21.	17.	10.	46.	57.	50.	46.	51.	42.	58.	6.	4.	352.	124.	39.	108.
2	354.	353.	354.	355.	354.	121.	357.	118.	266.	30.	53.	40.	50.	81.	95.	31.	25.	64.	196.	103.	0.	72.	65.	60.
3	0.	179.	138.	74.	120.	101.	18.	30.	29.	39.	35.	46.	53.	56.	60.	49.	63.	59.	47.	67.	99.	0.	0.	81.
4	66.	42.	42.	84.	55.	21.	21.	19.	19.	27.	43.	45.	56.	60.	71.	84.	85.	123.	113.	69.	74.	89.	64.	85.
5	76.	53.	45.	45.	40.	35.	64.	58.	45.	35.	41.	7.	35.	42.	92.	62.	30.	21.	177.	124.	347.	351.	343.	333.
6	325.	323.	308.	304.	317.	327.	310.	302.	317.	322.	314.	318.	312.	293.	304.	318.	305.	279.	255.	258.	263.	257.	271.	275.
7	268.	294.	321.	297.	301.	293.	310.	339.	347.	155.	172.	261.	999.	999.	322.	124.	75.	0.	0.	0.	0.	0.	0.	0.
8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	59.	87.	174.	177.	159.	124.	106.	64.	66.	0.	0.	0.	0.	0.
9	0.	0.	0.	0.	0.	0.	0.	0.	0.	166.	162.	180.	223.	198.	149.	278.	114.	71.	70.	112.	0.	140.	138.	0.
10	0.	0.	0.	0.	0.	80.	0.	0.	205.	99.	42.	62.	131.	31.	34.	55.	35.	35.	43.	43.	44.	49.	227.	85.
11	136.	79.	18.	30.	69.	179.	355.	182.	180.	194.	249.	221.	344.	343.	345.	253.	253.	348.	321.	315.	337.	311.	340.	345.
12	339.	341.	329.	337.	347.	336.	347.	344.	341.	252.	73.	18.	23.	27.	29.	26.	35.	45.	44.	46.	0.	0.	27.	17.
13	344.	343.	350.	345.	348.	340.	339.	343.	293.	6.	151.	21.	15.	28.	26.	31.	33.	25.	16.	93.	267.	354.	346.	339.
14	347.	345.	345.	342.	342.	345.	344.	352.	351.	354.	8.	89.	178.	162.	155.	127.	355.	76.	0.	0.	0.	0.	0.	0.
15	0.	0.	0.	0.	0.	0.	0.	0.	239.	264.	276.	292.	288.	298.	292.	265.	260.	210.	0.	206.	221.	231.	223.	227.
16	236.	223.	216.	217.	190.	0.	0.	205.	231.	263.	252.	241.	251.	240.	222.	222.	223.	221.	223.	217.	211.	207.	201.	208.
17	271.	230.	260.	251.	265.	251.	265.	271.	278.	285.	287.	286.	285.	292.	288.	282.	276.	271.	266.	253.	0.	255.	233.	239.
18	254.	256.	241.	242.	234.	228.	236.	231.	234.	277.	303.	288.	282.	283.	277.	272.	252.	228.	0.	0.	0.	231.	210.	0.
19	0.	0.	0.	0.	0.	0.	0.	0.	210.	222.	250.	238.	242.	245.	246.	239.	214.	185.	196.	210.	196.	207.	193.	197.
20	195.	193.	194.	192.	194.	198.	204.	201.	202.	210.	210.	211.	236.	245.	254.	262.	268.	270.	286.	293.	315.	315.	332.	338.
21	341.	325.	336.	267.	273.	300.	287.	317.	338.	346.	308.	282.	288.	295.	293.	278.	286.	254.	227.	238.	242.	233.	235.	234.
22	230.	226.	231.	0.	0.	0.	0.	0.	272.	267.	132.	209.	295.	250.	263.	275.	278.	0.	0.	0.	0.	0.	0.	0.
23	0.	0.	0.	0.	0.	0.	0.	0.	0.	134.	999.	45.	42.	46.	51.	43.	52.	100.	113.	0.	0.	0.	0.	0.
24	0.	0.	0.	0.	192.	197.	208.	206.	221.	220.	217.	227.	249.	278.	273.	274.	287.	289.	304.	302.	308.	279.	293.	347.
25	113.	212.	300.	350.	342.	342.	345.	351.	351.	38.	73.	153.	54.	59.	62.	57.	55.	74.	85.	0.	0.	0.	0.	0.
26	0.	0.	0.	0.	0.	0.	0.	0.	0.	84.	120.	148.	144.	144.	156.	155.	127.	97.	101.	119.	107.	0.	0.	188.
27	0.	0.	185.	191.	202.	213.	218.	198.	0.	201.	198.	212.	213.	218.	240.	240.	232.	232.	242.	243.	216.	187.	191.	196.
28	0.	0.	0.	171.	195.	0.	0.	0.	214.	241.	227.	248.	251.	255.	258.	256.	243.	209.	160.	225.	218.	246.	228.	282.
29	337.	338.	342.	238.	152.	343.	216.	297.	44.	28.	74.	70.	75.	22.	31.	34.	52.	70.	69.	58.	66.	90.	0.	0.
30	0.	0.	0.	0.	79.	0.	0.	0.	0.	0.	190.	205.	214.	217.	162.	197.	0.	125.	0.	0.	121.	175.	181.	187.

TOTAL HOURS = 720 NUMBER OF GOOD HOURS = 717 NUMBER OF MISSING HOURS = 3 DATA CAPTURE = 99.58 (PERCENT)

MAXIMUM 1-HR = 357. DEGREES 2ND MAX. 1-HR = 355. DEGREES

MINIMUM 1-HR = 0. DEGREES ARITHMETIC MEANS = 151. DEGREES

NOTE : 999 - MISSING VALUE INDICATOR
0 WIND DIRECTION INDICATES CALM CONDITIONS

GEORGIA PACIFIC

STATION #1

WIND DIRECTION
DEGREES

DATA FOR DEC 1981

HR-BEG	HOURS (LST)																							
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HR-END	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DAY																								
1	189.	0.	172.	176.	178.	175.	176.	178.	181.	184.	188.	202.	207.	207.	205.	206.	193.	189.	174.	187.	184.	185.	187.	176.
2	189.	177.	179.	216.	318.	303.	217.	0.	215.	178.	216.	0.	206.	209.	190.	223.	211.	191.	184.	211.	209.	239.	260.	261.
3	289.	278.	278.	281.	268.	214.	205.	209.	192.	96.	125.	140.	111.	193.	165.	125.	0.	0.	0.	0.	0.	0.	0.	0.
4	0.	234.	233.	0.	0.	0.	0.	0.	197.	217.	224.	262.	280.	279.	284.	287.	298.	307.	302.	318.	317.	318.	325.	317.
5	337.	322.	315.	312.	317.	319.	331.	331.	332.	337.	339.	340.	312.	179.	210.	160.	306.	237.	0.	0.	0.	0.	0.	0.
6	289.	324.	256.	298.	256.	269.	333.	317.	204.	250.	119.	50.	38.	76.	73.	39.	60.	56.	62.	0.	0.	0.	0.	0.
7	0.	145.	0.	0.	110.	0.	71.	0.	42.	0.	0.	277.	232.	261.	235.	222.	196.	0.	0.	0.	0.	234.	214.	235.
8	230.	235.	0.	209.	0.	232.	0.	0.	233.	259.	274.	268.	260.	271.	278.	275.	270.	260.	226.	248.	262.	274.	286.	289.
9	302.	329.	287.	265.	267.	295.	302.	297.	326.	332.	333.	322.	314.	309.	302.	305.	302.	294.	291.	283.	294.	290.	296.	296.
10	304.	303.	327.	341.	324.	299.	296.	311.	316.	330.	333.	309.	295.	302.	296.	296.	293.	280.	304.	306.	317.	283.	255.	267.
11	263.	303.	291.	287.	305.	306.	306.	299.	312.	339.	342.	288.	279.	283.	280.	278.	272.	215.	0.	0.	0.	0.	0.	0.
12	0.	0.	213.	0.	0.	0.	204.	204.	140.	203.	158.	61.	0.	88.	138.	129.	0.	0.	91.	41.	51.	64.	98.	283.
13	262.	242.	0.	195.	0.	0.	92.	0.	126.	123.	39.	124.	38.	37.	39.	49.	61.	35.	56.	74.	42.	64.	21.	41.
14	77.	0.	0.	0.	0.	0.	0.	190.	187.	184.	189.	185.	188.	189.	191.	195.	187.	0.	177.	205.	188.	181.	0.	193.
15	186.	187.	192.	179.	184.	179.	185.	198.	203.	202.	215.	238.	256.	262.	256.	268.	277.	273.	267.	289.	292.	280.	278.	282.
16	272.	211.	232.	233.	244.	202.	207.	263.	275.	306.	329.	313.	293.	280.	328.	107.	54.	70.	101.	0.	0.	0.	0.	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	83.	149.	211.	231.	238.	225.	194.	0.	144.	0.	0.	161.	184.	198.
18	0.	0.	0.	0.	220.	213.	0.	0.	255.	309.	328.	346.	317.	303.	315.	305.	295.	284.	284.	290.	308.	330.	334.	333.
19	332.	327.	328.	340.	330.	329.	322.	324.	323.	331.	332.	320.	307.	239.	248.	182.	125.	23.	235.	340.	338.	343.	345.	345.
20	344.	345.	345.	337.	337.	341.	340.	339.	338.	346.	265.	151.	87.	57.	144.	25.	14.	48.	0.	0.	0.	0.	0.	0.
21	149.	19.	0.	136.	0.	0.	0.	106.	8.	0.	0.	139.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
22	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
23	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
24	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
25	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
26	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
27	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
28	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
29	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
30	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.
31	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.	999.

TOTAL HOURS = 744 NUMBER OF GOOD HOURS = 492 NUMBER OF MISSING HOURS = 252 DATA CAPTURE = 66.13 (PERCENT)

MAXIMUM 1-HR = 346. DEGREES 2ND MAX. 1-HR = 345. DEGREES

MINIMUM 1-HR = 0. DEGREES ARITHMETIC MEANS = 181. DEGREES

NOTE : 999 - MISSING VALUE INDICATOR
0 WIND DIRECTION INDICATES CALM CONDITIONS

APPENDIX B
PRECISION AND ACCURACY DATA

ESE # 81 128 101

GEORGIA PACIFIC - TSP

PRECISION CALCULATIONS

1ST SAMPLING QUARTER

JUNE 12, 1981-AUGUST 29, 1981

DATE	AIR QUALITY SAMPLER(X) 3 (UG/M)	DUPLICATE SAMPLER(Y) 3 (UG/M)	% DIFFERENCE(D)
JUN 12, 1981	29.00	29.00	0.00
JUN 18, 1981	64.00	67.00	+ 4.69
JUN 21, 1981	26.00	24.00	- 7.69
JUN 24, 1981	39.00	40.00	+ 2.56
JUN 27, 1981	30.00	29.00	- 3.33
JUN 30, 1981	36.00	35.00	- 2.78
JUL 3, 1981	28.00	31.00	+ 10.71
JUL 6, 1981	49.00	49.00	0.00
JUL 9, 1981	38.00	41.00	+ 7.89
JUL 12, 1981	27.00	25.00	- 7.41
JUL 15, 1981	39.00	40.00	+ 2.56
JUL 18, 1981	28.00	28.00	0.00
JUL 21, 1981	20.00	19.00	- 5.00
JUL 24, 1981	19.00	19.00	0.00
JUL 30, 1981	20.00	20.00	0.00
AUG 2, 1981	19.00	22.00	+ 15.79

ESE # 81 128 101

GEORGIA PACIFIC - TSP

PRECISION CALCULATIONS

1ST SAMPLING QUARTER

JUNE 12, 1981-AUGUST 29, 1981

DATE	AIR QUALITY SAMPLER (X) (UG/M)	DUPLICATE SAMPLER (Y) (UG/M)	% DIFFERENCE (D)
AUG 5, 1981	31.00	27.00	- 12.90
AUG 8, 1981	18.00	17.00	- 5.56
AUG 11, 1981	28.00	23.00	- 17.86
AUG 14, 1981	17.00	15.00	- 11.76
AUG 17, 1981	20.00	17.00	- 15.00
AUG 20, 1981	26.00	25.00	- 3.85
AUG 23, 1981	20.00	19.00	- 5.00
AUG 26, 1981	82.00	80.00	- 2.44
AUG 29, 1981	21.00	21.00	0.00

SUM OF D(I) = -56.36

MEAN OF D(I) = -2.25

STD. DEV. = 7.69

UPPER 95% PROBABILITY LIMIT = 8.40

LOWER 95% PROBABILITY LIMIT = -12.91

ESE # 81 128 101

GEORGIA PACIFIC - TSP

PRECISION CALCULATIONS

2ND SAMPLING QUARTER

SEPTEMBER 1, 1981-DECEMBER 12, 1981

DATE	AIR QUALITY SAMPLER(X) 3 (UG/M)	DUPLICATE SAMPLER(Y) 3 (UG/M)	% DIFFERENCE(D)
SEP 1, 1981	49.00	48.00	- 2.04
SEP 4, 1981	21.00	22.00	+ 4.76
SEP 7, 1981	13.00	14.00	+ 7.69
SEP 10, 1981	92.00	91.00	- 1.09
SEP 13, 1981	58.00	56.00	- 3.45
SEP 16, 1981	45.00	46.00	+ 2.22
SEP 19, 1981	25.00	25.00	0.00
SEP 22, 1981	27.00	27.00	0.00
SEP 25, 1981	88.00	79.00	- 10.23
SEP 28, 1981	29.00	28.00	- 3.45
OCT 1, 1981	49.00	55.00	+ 12.24
OCT 4, 1981	44.00	44.00	0.00
OCT 7, 1981	63.00	62.00	- 1.59
OCT 10, 1981	39.00	36.00	- 7.69
OCT 13, 1981	44.00	43.00	- 2.27
OCT 16, 1981	30.00	30.00	0.00

ESE # 81 128 101

GEORGIA PACIFIC - TSP

PRECISION CALCULATIONS

2ND SAMPLING QUARTER

SEPTEMBER 1, 1981-DECEMBER 12, 1981

DATE	AIR QUALITY SAMPLER (X) (UG/M)	DUPLICATE SAMPLER (Y) (UG/M)	% DIFFERENCE (D)
OCT 19, 1981	23.00	23.00	0.00
OCT 22, 1981	40.00	41.00	+ 2.50
OCT 25, 1981	20.00	21.00	+ 5.00
OCT 28, 1981	30.00	31.00	+ 3.33
OCT 31, 1981	19.00	19.00	0.00
NOV 3, 1981	16.00	17.00	+ 6.25
NOV 6, 1981	15.00	16.00	+ 6.67
NOV 9, 1981	23.00	25.00	+ 8.70
NOV 12, 1981	31.00	31.00	0.00
NOV 15, 1981	---	---	---
NOV 18, 1981	20.00	21.00	+ 5.00
NOV 21, 1981	16.00	16.00	0.00
NOV 24, 1981	22.00	21.00	- 4.55
NOV 27, 1981	17.00	17.00	0.00
NOV 30, 1981	34.00	33.00	- 2.94
DEC 3, 1981	15.00	14.00	- 6.67

ESE # 81 128 101

GEORGIA PACIFIC - TSP

PRECISION CALCULATIONS

2ND SAMPLING QUARTER

SEPTEMBER 1, 1981-DECEMBER 12, 1981

DATE	AIR QUALITY SAMPLER(X) (UG/M)	DUPLICATE SAMPLER(Y) (UG/M)	% DIFFERENCE(D)
DEC 6, 1981	25.00	24.00	- 4.00
DEC 9, 1981	20.00	20.00	0.00
DEC 12, 1981	28.00	27.00	- 3.57

SUM OF D(I) = 10.84
MEAN OF D(I) = 0.32
STD. DEV. = 4.81

UPPER 95% PROBABILITY LIMIT = 6.98
LOWER 95% PROBABILITY LIMIT = -6.34

ESE # 81 128 101

GEORGIA PACIFIC - S02

PRECISION CALCULATIONS

1ST SAMPLING QUARTER

AUGUST 11, 1981-DECEMBER 10, 1981

DATE	KNOWN VALUE(X) (PPM)	OBSERVED VALUE(Y) (PPM)	% DIFFERENCE(D)
AUG 11, 1981	0.0900	0.0930	+ 3.33
AUG 19, 1981	0.0900	0.0940	+ 4.44
AUG 25, 1981	0.0900	0.0920	+ 2.22
AUG 28, 1981	0.0900	0.0890	- 1.11
SEP 2, 1981	0.0900	0.0910	+ 1.11
SEP 11, 1981	0.0900	0.0870	- 3.33
SEP 18, 1981	0.0900	0.0860	- 4.44
SEP 24, 1981	0.0900	0.0820	- 8.89
OCT 2, 1981	0.0900	0.0870	- 3.33
OCT 16, 1981	0.0900	0.0890	- 1.11
OCT 23, 1981	0.0900	0.0850	- 5.56
OCT 30, 1981	0.0900	0.0840	- 6.67
NOV 6, 1981	0.0900	0.0880	- 2.22
NOV 16, 1981	0.0900	0.0840	- 6.67
NOV 23, 1981	0.0900	0.0880	- 2.22
NOV 25, 1981	0.0900	0.0880	- 2.22

ESE # 81 128 101

GEORGIA PACIFIC - S02

PRECISION CALCULATIONS

1ST SAMPLING QUARTER

AUGUST 11, 1981-DECEMBER 10, 1981

DATE	KNOWN VALUE (X) (PPM)	OBSERVED VALUE (Y) (PPM)	% DIFFERENCE (D)
DEC 4, 1981	0.0900	0.0800	- 11.11
DEC 8, 1981	0.0900	0.0870	- 3.33
DEC 10, 1981	0.0900	0.0860	- 4.44

SUM OF D(I) = -55.56

MEAN OF D(I) = -2.92

STD. DEV. = 3.99

UPPER 95% PROBABILITY LIMIT = 4.90

LOWER 95% PROBABILITY LIMIT = -10.75
