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MARCH 1984
AGRICULTURAL WEATHER SERIES NO. 23
COMPILED BY
U. S. DEPT. OF COMMERCE / NOAA
NATIONAL WEATHER SERVICE
SOUTHEAST AGRICULTURAL WEATHER SERVICE CENTER
AUBURN UNIVERSITY
ALABAMA AGRICULTURAL EXPERIMENT STATION
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AUBURN UNIVERSITY, ALABAMA

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Starting with this 1983 edition of the Auburn Micrometeorological Data, we will also publish tables of daily weather data for nine of the Auburn University Agricultural Experiment Station Outlying Units.

The substations summarized are: Black Belt, Marion Junction; Chilton Area Horticulture, Thorsby; Gulf Coast, Fairhope; Lower Coastal Plain, Camden; Sand Mountain; Tennessee Valley, Belle Mina; Upper Coastal Plain, Winfield; Wiregrass, Headland; and, Brewton Experiment Field. We would like to thank each of the observers for their cooperation during 1983.

Also included in this publication are tables of sunrise, sunset daylength and daily normals of air temperature and precipitation for Auburn.

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CLIMATOLOGICAL PUBLICATIONS FOR AUBURN AND THE STATE OF ALABAMA

Agricultural Weather Series Number	Publication Title
1	1964 Auburn Weather Data
2	1965 Auburn Weather Data
3	1966 Auburn Weather Data
4	1967 Auburn Weather Data
5	Growins Degree Days for Alabama
6	1968 Auburn Weather Data
7	1969 Auburn Weather Data
8	1970 Auburn Weather Data
9	1971 Auburn Weather Data
10	1972 Auburn Weather Data
11	1973 Auburn Weather Data
12	1974 Auburn Weather Data
13	1975 Auburn Weather Data
14	1976 Auburn Weather Data
15	1977 Auburn Weather Data
16	1978 Auburn Weather Data
17	Climate of Freeze in Alabama
18	Precipitation Probabilities and Statistics for Alabama
19	1979 Auburn Weather Data
20	1980 Auburn Weather Data
21	1981 Auburn Weather Data
22	1982 Auburn Weather Data
23	1983 AU As Experiment Station Weather Data

Other Publications of Interest

AES Circular June 1976	Climatic Estimates for the E.V. Smith Research Center
ESSC Special Report	Alabama Daily Temperature Normals
AES Bulletin 477	An Atlas and Tables of Thunderstorm Probabilities in the Southeast
AES Bulletin 517	Climatic Features and Length of Growing Season in Alabama

THESE PUBLICATIONS ARE AVAILABLE FROM RESEARCH INFORMATION, COMER HALL, THE UNIVERSITY LIBRARY AND FROM THIS OFFICE.

HISTORY OF THE AUBURN WEATHER STATION

The first official weather records for Auburn began in May 1894. There is no record of the exact location of the station. Weather data taken from May 1894 through March 1906 was destroyed in a fire. Dr. J. T. Anderson established a new station about one-half mile southwest of the Auburn Post Office on April 1, 1906.

On April 13, 1947 the station was moved to the home of Mrs. Martha I. Moore. This location was about 1.3 miles west southwest of the Post Office. Mrs. Moore moved on January 2, 1952 to a location three miles southwest of the Post Office. The station remained there until January 1971.

The U.S. Weather Bureau (now the National Weather Service) created an Advisory Agricultural Meteorologist (AAM) position at Auburn in the fall of 1963. Mr. Paul Mott established a micrometeorological weather station on the south end of the Astronomy Farm on September 1, 1963. The Environmental Studies Service Center replaced the AAM position in July 1973. During 1981 the office was renamed the Southeast Agricultural Weather Service Center.

Auburn's weather observations continue to be taken at the Astronomy Farm location by the staff of the Southeast Agricultural Weather Service Center.

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
 BASED ON 1951-80 DATA

Station: AUBURN

State: AL

Number: 01-0430-5

January					February					March				
DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP
1	53	34	45	.18	1	57	34	46	.17	1	62	38	50	.21
2	56	34	45	.17	2	57	34	46	.17	2	62	38	50	.22
3	56	34	45	.17	3	57	34	46	.17	3	63	39	51	.22
4	56	34	45	.17	4	57	34	46	.18	4	63	39	51	.22
5	55	34	45	.17	5	57	34	46	.18	5	63	39	51	.22
6	55	34	45	.17	6	57	34	46	.18	6	63	40	52	.22
7	55	34	45	.17	7	58	34	46	.18	7	64	40	52	.22
8	55	34	45	.17	8	58	34	46	.18	8	64	40	52	.22
9	55	34	45	.17	9	58	34	46	.18	9	64	40	52	.22
10	55	34	45	.17	10	58	34	46	.18	10	65	41	53	.23
11	55	34	45	.17	11	58	34	46	.18	11	65	41	53	.23
12	55	34	45	.16	12	59	35	47	.19	12	65	41	53	.23
13	55	34	45	.16	13	59	35	47	.19	13	65	42	54	.23
14	55	34	45	.16	14	59	35	47	.19	14	66	42	54	.23
15	55	34	45	.16	15	59	35	47	.19	15	66	42	54	.23
16	55	33	44	.16	16	59	35	47	.19	16	66	42	54	.23
17	55	33	44	.16	17	59	35	47	.19	17	67	43	55	.23
18	55	33	44	.16	18	60	36	48	.20	18	67	43	55	.23
19	55	33	44	.16	19	60	36	48	.20	19	67	43	55	.22
20	55	33	44	.16	20	60	36	48	.20	20	68	43	56	.22
21	55	33	44	.16	21	60	36	48	.20	21	68	44	56	.22
22	56	33	45	.16	22	61	36	49	.20	22	68	44	56	.22
23	56	33	45	.16	23	61	37	49	.20	23	68	44	56	.22
24	56	33	45	.16	24	61	37	49	.21	24	69	44	57	.22
25	56	34	45	.16	25	61	37	49	.21	25	69	45	57	.22
26	56	34	45	.17	26	61	37	49	.21	26	69	45	57	.22
27	56	34	45	.17	27	62	38	50	.21	27	70	45	58	.21
28	56	34	45	.17	28	62	38	50	.21	28	70	46	58	.21
29	56	34	45	.17	29	**	**	**	***	29	70	46	58	.21
30	56	34	45	.17	30	**	**	**	***	30	71	46	59	.21
31	57	34	46	.17	31	**	**	**	***	31	71	46	59	.21

Normal Monthly Values:
 55.5 33.7 44.6 5.14

Normal Monthly Values:
 59.1 35.3 47.2 5.34
 Normal annual values:
 74.8 51.2 63.0 56.10

Normal Monthly Values:
 66.4 42.3 54.3 6.85

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

SOURCE: NATIONAL WEATHER SERVICE, SE AG WEATHER SERVICE CENTER, AUBURN, AL

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
 BASED ON 1951-80 DATA

Station: AUBURN

State: AL

Number: 01-0430-5

April					May					June				
DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP
1	71	47	59	.20	1	80	55	68	.15	1	87	62	75	.12
2	72	47	60	.20	2	80	55	68	.15	2	87	63	75	.12
3	72	47	60	.20	3	80	55	68	.15	3	87	63	75	.12
4	73	47	60	.20	4	80	55	68	.15	4	87	63	75	.11
5	73	48	61	.20	5	81	56	69	.15	5	88	63	76	.11
6	73	48	61	.19	6	81	56	69	.15	6	88	64	76	.11
7	73	48	61	.19	7	81	56	69	.15	7	88	64	76	.11
8	74	48	61	.19	8	81	56	69	.15	8	88	64	76	.11
9	74	49	62	.19	9	81	57	69	.14	9	88	64	76	.11
10	74	49	62	.19	10	82	57	70	.14	10	89	64	77	.12
11	75	49	62	.18	11	82	57	70	.14	11	89	65	77	.12
12	75	49	62	.18	12	82	57	70	.14	12	89	65	77	.12
13	75	50	63	.18	13	82	58	70	.14	13	89	65	77	.12
14	76	50	63	.18	14	83	58	71	.14	14	89	65	77	.12
15	76	50	63	.18	15	83	58	71	.14	15	89	65	77	.12
16	76	51	64	.17	16	83	58	71	.14	16	89	65	77	.12
17	76	51	64	.17	17	83	59	71	.14	17	89	66	78	.12
18	77	51	64	.17	18	83	59	71	.13	18	90	66	78	.13
19	77	51	64	.17	19	84	59	72	.13	19	90	66	78	.13
20	77	52	65	.17	20	84	59	72	.13	20	90	66	78	.13
21	77	52	65	.17	21	84	60	72	.13	21	90	66	78	.13
22	78	52	65	.17	22	84	60	72	.13	22	90	66	78	.14
23	78	52	65	.16	23	85	60	73	.13	23	90	67	79	.14
24	78	53	66	.16	24	85	60	73	.13	24	90	67	79	.14
25	78	53	66	.16	25	85	61	73	.13	25	90	67	79	.15
26	79	53	66	.16	26	85	61	73	.13	26	90	67	79	.15
27	79	53	66	.16	27	85	61	73	.12	27	90	67	79	.15
28	79	54	67	.16	28	86	61	74	.12	28	90	67	79	.16
29	79	54	67	.16	29	86	62	74	.12	29	90	67	79	.16
30	80	54	67	.15	30	86	62	74	.12	30	90	67	79	.16
31	**	**	**	***	31	86	62	74	.12	31	**	**	**	***

Normal Monthly Values:
 75.8 50.4 63.1 5.31

Normal Monthly Values:
 83.0 58.4 70.7 4.23

Normal Monthly Values:
 89.0 65.2 77.1 3.85

Normal annual values:
 74.8 51.2 63.0 56.10

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

SOURCE: NATIONAL WEATHER SERVICE, SE AG WEATHER SERVICE CENTER, AUBURN, AL

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
 BASED ON 1951-80 DATA

Station: AUBURN

State: AL

Number: 01-0430-5

July					August					September				
DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP
1	90	67	79	.17	1	91	69	80	.15	1	89	67	78	.13
2	90	68	79	.17	2	91	69	80	.15	2	89	67	78	.13
3	90	68	79	.18	3	91	69	80	.14	3	89	67	78	.14
4	90	68	79	.18	4	91	69	80	.14	4	89	67	78	.14
5	90	68	79	.18	5	91	69	80	.13	5	89	66	78	.14
6	90	68	79	.19	6	91	68	80	.13	6	88	66	77	.14
7	90	68	79	.19	7	91	68	80	.12	7	88	66	77	.15
8	90	68	79	.19	8	91	68	80	.12	8	88	66	77	.15
9	90	68	79	.19	9	91	68	80	.12	9	88	66	77	.15
10	90	68	79	.19	10	91	68	80	.11	10	88	66	77	.15
11	90	68	79	.20	11	91	68	80	.11	11	87	65	76	.15
12	90	68	79	.20	12	91	68	80	.11	12	87	65	76	.15
13	91	68	80	.20	13	91	68	80	.11	13	87	65	76	.15
14	91	68	80	.20	14	91	68	80	.11	14	87	65	76	.15
15	91	69	80	.20	15	91	68	80	.11	15	87	64	76	.15
16	91	69	80	.20	16	91	68	80	.10	16	86	64	75	.15
17	91	69	80	.20	17	91	68	80	.10	17	86	64	75	.15
18	91	69	80	.20	18	91	68	80	.10	18	86	63	75	.15
19	91	69	80	.19	19	90	68	79	.10	19	85	63	74	.15
20	91	69	80	.19	20	90	68	79	.10	20	85	63	74	.15
21	91	69	80	.19	21	90	68	79	.10	21	85	62	74	.15
22	91	69	80	.19	22	90	68	79	.10	22	85	62	74	.15
23	91	69	80	.19	23	90	68	79	.11	23	84	62	73	.15
24	91	69	80	.18	24	90	67	79	.11	24	84	61	73	.14
25	91	69	80	.18	25	90	67	79	.11	25	84	61	73	.14
26	91	69	80	.18	26	90	67	79	.11	26	83	60	72	.14
27	91	69	80	.17	27	90	67	79	.11	27	83	60	72	.14
28	91	69	80	.17	28	90	67	79	.12	28	83	60	72	.13
29	91	69	80	.16	29	90	67	79	.12	29	82	59	71	.13
30	91	69	80	.16	30	89	67	78	.12	30	82	59	71	.13
31	91	69	80	.16	31	89	67	78	.12	31	**	**	**	***

Normal Monthly Values:
 90.6 68.5 79.5 5.74

Normal Monthly Values:
 90.5 67.9 79.2 3.59
 Normal annual values:
 74.8 51.2 63.0 56.10

Normal Monthly Values:
 86.1 63.7 74.9 4.32

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

SOURCE: NATIONAL WEATHER SERVICE, SE AG WEATHER SERVICE CENTER, AUBURN, AL

AGROCLIMATOLOGICAL DATA - JANUARY 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA										(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS			SNOW OVER GRASS			SNOW OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES					
	MAX	MIN	MEAN	DFN*	BELOW		ABOVE	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN						
					65	45	55																								
1	55	42	49	3	16	4	0	16	68	41	71	43	57	OM	OM	OM	57	45	51	53	44	49	54	47	51						
2	49	43	46	0	19	1	0	2	49	42	51	44	48	OM	OM	OM	50	46	48	48	45	47	51	50	51						
3	54	40	47	1	18	2	0	6	53	40	55	42	49	OM	OM	OM	52	45	49	50	45	48	53	50	52						
4	48	33	41	-5	24	0	0	21	51	30	51	32	42	OM	OM	OM	50	36	43	48	37	43	51	44	48						
5	52	30	41	-5	24	0	0	17	63	27	64	29	47	OM	OM	OM	53	35	44	50	36	43	51	43	47						
6	54	31	43	-3	22	0	0	17	62	27	62	29	46	OM	OM	OM	52	35	44	48	36	42	49	42	46						
7	56	34	45	-1	20	0	0	15	71	30	67	32	50	OM	OM	OM	53	37	45	49	37	43	51	43	47						
8	63	37	50	4	15	5	0	9	75	33	71	35	53	OM	OM	OM	57	38	48	53	39	46	53	43	48						
9	67	45	56	10	9	11	1	0	80	43	75	44	60	OM	OM	OM	60	44	52	55	43	49	56	47	52						
10	59	43	51	5	14	6	0	11	68	43	71	45	58	OM	OM	OM	56	44	50	53	44	49	54	49	52						
11	52	37	45	-1	20	0	0	9	54	31	55	34	45	OM	OM	OM	53	41	47	50	42	46	53	47	50						
12	57	30	44	-2	21	0	0	11	67	27	64	29	47	OM	OM	OM	55	35	45	52	37	45	53	44	49						
13	39	21	30	-16	35	0	0	24	51	18	51	22	37	OM	OM	OM	47	34	41	45	34	40	49	40	45						
14	53	22	38	-8	27	0	0	18	66	20	62	24	43	OM	OM	OM	51	34	43	47	34	41	48	39	44						
15	66	31	49	3	16	4	0	6	74	27	73	29	51	OM	OM	OM	56	35	46	51	35	43	51	40	46						
16	49	20	35	-11	30	0	0	19	59	16	60	19	40	OM	OM	OM	53	33	43	49	34	42	50	41	46						
17	49	22	36	-10	29	0	0	20	63	19	59	19	39	OM	OM	OM	50	33	42	46	34	40	47	36	42						
18	55	23	39	-7	26	0	0	17	68	21	64	23	44	OM	OM	OM	51	33	42	47	34	41	48	39	44						
19	45	23	34	-12	31	0	0	23	55	21	56	22	39	OM	OM	OM	47	32	40	45	33	39	46	38	42						
20	43	25	34	-12	31	0	0	24	51	22	53	24	39	OM	OM	OM	43	32	38	41	32	37	42	36	39						
21	34	28	31	-15	34	0	0	24	31	29	33	31	32	OM	OM	OM	35	34	35	34	34	34	39	38	39						
22	36	33	35	-11	30	0	0	24	35	31	36	32	34	OM	OM	OM	37	34	36	36	34	35	40	37	39						
23	43	35	39	-7	26	0	0	24	44	35	46	36	41	OM	OM	OM	43	37	40	41	36	39	43	38	41						
24	43	33	38	-8	27	0	0	24	44	33	45	35	40	OM	OM	OM	43	37	40	41	37	39	44	40	42						
25	41	27	34	-12	31	0	0	24	45	24	45	26	36	OM	OM	OM	44	35	40	41	35	38	44	38	41						
26	55	30	43	-4	22	0	0	16	65	27	63	29	46	OM	OM	OM	53	34	44	48	35	42	48	40	44						
27	57	33	45	-2	20	0	0	11	67	30	68	31	50	OM	OM	OM	53	34	44	48	35	42	48	39	44						
28	46	34	40	-7	25	0	0	21	47	34	48	36	42	OM	OM	OM	47	39	43	45	39	42	47	44	46						
29	58	33	46	-1	19	1	0	16	69	29	67	31	49	OM	OM	OM	57	38	48	52	38	45	51	43	47						
30	62	40	51	4	14	6	0	2	72	39	71	40	56	OM	OM	OM	58	38	48	52	38	45	52	43	48						
31	65	43	54	7	11	9	0	1	74	41	73	42	58	OM	OM	OM	61	44	53	57	44	51	57	49	53						

TOTAL 706 49 1 472 1841 930

MEAN 51.8 32.3 42.0 -4.0 22.8 1.6 .0 15.2 59.4 30.0 59.0 31.9 45.5 .0 .0 .0 50.9 37.1 44.0 47.6 37.4 42.5 49.1 42.2 45.6

TEMPERATURE EXTREMES: HIGHEST 67 ON DAYS 9,
 LOWEST 20 ON DAYS 16.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 14 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

DAILY NORMALS OF AIR TEMPERATURE AND PRECIPITATION
 BASED ON 1951-80 DATA

Station: AUBURN

State: AL

Number: 01-0430-5

October					November					December				
DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP	DAY	MAX	MIN	AVG	PRECIP
1	82	58	70	.12	1	71	46	59	.09	1	62	38	50	.15
2	81	57	69	.12	2	71	45	58	.09	2	62	38	50	.16
3	81	57	69	.12	3	70	45	58	.09	3	61	38	50	.16
4	81	57	69	.11	4	70	45	58	.09	4	61	37	49	.16
5	80	56	68	.11	5	70	45	58	.09	5	61	37	49	.17
6	80	56	68	.11	6	69	44	57	.09	6	60	37	49	.17
7	80	55	68	.10	7	69	44	57	.09	7	60	37	49	.17
8	79	55	67	.10	8	69	44	57	.10	8	60	37	49	.17
9	79	54	67	.10	9	69	43	56	.10	9	60	37	49	.17
10	79	54	67	.10	10	68	43	56	.10	10	59	36	48	.18
11	78	53	66	.09	11	68	43	56	.10	11	59	36	48	.18
12	78	53	66	.09	12	68	43	56	.10	12	59	36	48	.18
13	78	52	65	.09	13	67	42	55	.11	13	59	36	48	.18
14	77	52	65	.09	14	67	42	55	.11	14	59	36	48	.18
15	77	52	65	.09	15	67	42	55	.11	15	58	36	47	.18
16	77	51	64	.09	16	66	42	54	.11	16	58	36	47	.18
17	76	51	64	.08	17	66	41	54	.12	17	58	35	47	.18
18	76	50	63	.08	18	66	41	54	.12	18	58	35	47	.18
19	76	50	63	.08	19	65	41	53	.12	19	58	35	47	.18
20	75	50	63	.08	20	65	41	53	.12	20	57	35	46	.19
21	75	49	62	.08	21	65	40	53	.12	21	57	35	46	.19
22	75	49	62	.08	22	64	40	52	.13	22	57	35	46	.19
23	74	49	62	.08	23	64	40	52	.13	23	57	35	46	.18
24	74	48	61	.08	24	64	40	52	.13	24	57	35	46	.18
25	74	48	61	.08	25	64	39	52	.14	25	57	35	46	.18
26	73	48	61	.08	26	63	39	51	.14	26	56	34	45	.18
27	73	47	60	.08	27	63	39	51	.14	27	56	34	45	.18
28	72	47	60	.08	28	63	39	51	.14	28	56	34	45	.18
29	72	47	60	.08	29	62	38	50	.15	29	56	34	45	.18
30	72	46	59	.08	30	62	38	50	.15	30	56	34	45	.18
31	71	46	59	.08	31	**	**	**	***	31	56	34	45	.18

Normal Monthly Values:
 76.6 51.5 64.0 2.83

Normal Monthly Values:
 66.5 41.8 54.1 3.42
 Normal annual values:
 74.8 51.2 63.0 56.10

Normal Monthly Values:
 58.4 35.7 47.0 5.48

The daily values listed in these tables are not simple means of observed daily values. They have been interpolated from the monthly normals by use of the natural spline function. The average temperature was computed by adding the maximum to the minimum, dividing by two and rounding to the nearest degree. The daily precipitation values do not exhibit the typical daily random patterns. However, they may be used to compute normal precipitation accumulations over time intervals. In leap years use the February 28th values for the 29th. Temperatures are in degrees Fahrenheit. Precipitation is in inches.

SOURCE: NATIONAL WEATHER SERVICE, SE AG WEATHER SERVICE CENTER, AUBURN, A

AGROCLIMATOLOGICAL DATA - JANUARY 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA						VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	.30	0	.00M	.00M	52	39	46	50	.000M	82	82	83	83	83	16	RAIN
2	1.73	0	.00M	.00M	44	41	43	73	.000M	83	83	83	83	83	24	RAIN
3	.56	0	.00M	.00M	48	39	44	98	.000M	80	70	64	80	74	16	RAIN
4	.00	1	.00M	.00M	44	32	38	61	.055	74	76	56	60	67	11	DEW
5	.00	2	.00M	.00M	51	32	42	63	.075	59	65	42	56	56	0	
6	.00	3	.00M	.00M	48	33	41	24	.062	72	73	56	78	70	6	DEW
7	.00	4	.00M	.00M	53	36	45	32	.059	81	83	55	71	73	16	DEW
8	.00	5	.00M	.00M	58	37	48	45	.096	79	71	50	66	67	12	DEW
9	.00	6	.00M	.00M	61	43	52	44	.098	52	76	65	75	67	0	
10	.00T	7	.00M	.00M	55	43	49	73	.047	83	84	81	85	83	13	RAIN FOG
11	.13	8	.00M	.00M	50	39	45	47	.007	83	85	36	45	62	17	RAIN
12	.00	9	.00M	.00M	54	32	43	139	.144	52	48	45	55	50	0	
13	.00	10	.00M	.00M	41	32	37	59	.000M	67	76	39	62	61	1	DEW
14	.00	11	.00M	.00M	48	32	40	32	.000M	72	71	45	54	61	6	DEW
15	.00	12	.00M	.00M	57	34	46	93	.136	60	58	39	56	53	0	
16	.00	13	.00M	.00M	51	32	42	81	.000M	69	73	32	48	56	1	DEW
17	.00	14	.00M	.00M	44	32	38	34	.000M	58	68	36	53	54	0	
18	.00	15	.00M	.00M	50	32	41	76	.000M	61	56	29	34	45	0	
19	.00	16	.00M	.00M	43	32	38	82	.000M	43	42	30	31	37	0	
20	.46	0	.00M	.00M	38	32	35	113	.000M	38	66	77	78	65	12	RAIN
21	.76	0	.00M	.00M	32	32	32	65	.000M	78	80	82	83	81	24	RAIN
22	.21	0	.00M	.00M	32	32	32	83	.000M	85	85	84	85	85	24	RAIN
23	.00T	1	.00M	.00M	37	32	35	43	.000M	87	87	71	69	79	24	RAIN
24	.00T	2	.00M	.00M	39	33	36	81	.025	69	72	66	70	69	1	RAIN
25	.00	3	.00M	.00M	39	33	36	39	.036	81	80	54	69	71	11	RAIN
26	.00	4	.00M	.00M	52	33	43	54	.056	75	73	45	63	64	10	RAIN
27	.31	0	.00M	.00M	51	35	43	48	.083	84	80	82	72	80	19	RAIN
28	.10	1	.00M	.00M	43	36	40	59	.019	83	82	56	80	75	19	RAIN
29	.00	2	.00M	.00M	54	35	45	23	.040	85	81	57	83	77	16	RAIN
30	.18	3	.00M	.00M	57	36	47	86	.117	85	88	65	78	79	18	RAIN
31	.00	4	.00M	.00M	62	43	53	55	.065	78	78	58	77	73	14	DEW
TOTAL	4.74							1955	1.220							
MEAN			.000		48.0	35.0	41.5	63	.068	72	74	57	67	68	11	

NORMAL PRECIPITATION FOR MONTH IS 4.83 INCHES; 24 HOUR MAXIMUM = 1.73 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 10; OF 0.50 OR MORE 3; OF 1.00 OR MORE 1

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - JANUARY 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MINS. OF SUNSHINE	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED					HR.	SPEED	MAX	MIN	MEAN				
1	E	3	NE	5	8:00	14	0	.0	37	OM	30.25	30.08	30.16				
2	V	6	V	5	19:00	16	0	.0	43	OM	30.08	29.89	29.98				
3	NW	7	N	7	12:00	23	OM	.0M	108	OM	30.26	30.01	30.13				
4	N	4	NE	5	11:00	16	OM	.0M	272	OM	30.41	30.26	30.33				
5	NE	5	NW	4	4:00	12	315	52.1	254	OM	30.34	30.20	30.27				
6	V	1	SW	4	15:00	18	565	93.2	253	OM	30.26	30.15	30.20				
7	V	0	W	5	13:00	16	497	81.9	273	OM	30.17	30.06	30.11				
8	V	2	NE	2	10:00	10	214	35.2	241	OM	30.14	30.02	30.08				
9	E	5	NE	6	17:00	17	103	16.9	156	OM	30.06	29.96	30.01				
10	E	5	SE	4	0:00	16	0	.0	87	OM	30.03	29.90	29.97				
11	N	3	SW	7	21:00	33	555	91.0	288	OM	30.04	28.86	29.45				
12	NW	10	NW	8	2:00	27	365	59.7	268	OM	30.29	30.00	30.14				
13	V	1	NW	4	12:00	14	476	77.8	320	OM	30.30	30.19	30.24				
14	V	0	SW	7	15:00	21	504	82.1	295	OM	30.25	29.99	30.12				
15	N	6	NW	9	10:00	25	599	97.4	313	OM	30.16	29.98	30.07				
16	NW	4	NW	5	14:00	14	607	98.5	324	OM	30.14	30.00	30.07				
17	V	2	W	6	14:00	19	617	100.0	320	OM	30.08	29.93	30.03				
18	N	6	N	9	3:00	23	619	100.0	331	OM	30.27	30.16	30.21				
19	NE	7	NE	7	0:00	27	582	93.9	238	OM	30.32	30.17	30.25				
20	NE	9	NE	9	1:00	29	0	.0	28	OM	30.17	29.86	30.01				
21	NE	8	NE	7	9:00	23	0	.0	33	OM	29.96	29.82	29.89				
22	E	5	E	5	1:00	13	0	.0	75	OM	30.02	29.94	29.98				
23	E	2	W	6	12:00	19	0	.0	63	OM	30.05	29.93	29.99				
24	NW	4	NW	4	13:00	12	0	.0	104	OM	30.15	30.04	30.09				
25	NW	2	NW	4	12:00	21	462	73.7	305	OM	30.21	30.08	30.14				
26	NE	4	E	4	12:00	21	383	60.9	252	OM	30.15	30.00	30.08				
27	NE	3	NE	7	11:00	17	50	7.9	57	OM	30.07	29.93	30.00				
28	N	4	V	2	3:00	13	518	82.0	275	OM	30.21	30.06	30.13				
29	V	0	SE	6	14:00	17	512	80.9	260	OM	30.13	29.96	30.04				
30	SE	4	W	4	16:00	17	552	86.9	230	OM	30.05	29.94	29.99				
31	N	4	V	3	0:00	12	349	54.9	233	OM	30.12	29.94	30.03				
TOTAL							9444		6336	0							
MEAN		4		5		18	326		204	0	30.17	29.98	30.07	.0		.0	

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JANUARY

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	57	34	46	74 1975	15 1977
2	57	34	46	79 1952	8 1928
3	57	34	46	77 1952	11 1919
4	56	35	46	76 1917	6 1919
5	56	35	46	76 1950	15 1959
6	56	35	46	76 1950	6 1924
7	57	35	46	77 1913	12 1970
8	57	35	46	75 1946	10 1970
9	57	35	46	76 1930	5 1970
10	57	35	46	77 1957	12 1970
11	57	35	46	79 1949	1 1982
12	57	35	46	81 1949	1 1982
13	57	35	46	75 1937	6 1916
14	57	35	46	78 1932	15 1981
15	57	35	46	75 1952	10 1948
16	57	35	46	79 1943	10 1972
17	57	35	46	79 1952	6 1977
18	57	35	46	77 1929	7 1977
19	57	35	46	78 1952	3 1977
20	57	35	46	79 1927	5 1977
21	57	35	46	81 1923	16 1924
22	57	35	46	78 1927	8 1961
23	57	35	46	78 1937	8 1961
24	57	35	46	78 1920	0 1963
25	57	35	46	78 1943	1 1963
26	58	35	47	79 1950	9 1940
27	58	35	47	78 1950	7 1940
28	58	35	47	78 1916	10 1940
29	58	35	47	79 1947	5 1966
30	58	35	47	80 1975	1 1966
31	58	35	47	82 1975	13 1909

ALL TEMPERATURES ARE IN DEGREES FARENHEIT,
NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - FEBRUARY 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA											(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES									
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN							
1	67	43	55	8	10	10	0	0	77	41	74	42	58	OM	OM	OM	59	44	52	55	44	50	56	49	53							
2	65	51	58	11	7	13	3	0	63	52	65	53	59	OM	OM	OM	56	51	54	53	49	51	55	51	53							
3	56	35	46	-2	19	1	0	13	66	35	66	36	51	OM	OM	OM	56	39	48	53	40	47	56	46	51							
4	38	25	32	-16	33	0	0	24	40	21	41	23	32	OM	OM	OM	41	34	38	41	34	38	46	40	43							
5	52	26	39	-9	26	0	0	18	63	24	60	26	43	OM	OM	OM	50	34	42	46	34	40	47	40	44							
6	43	35	39	-9	26	0	0	24	45	35	47	36	42	OM	OM	OM	42	38	40	40	38	39	44	41	43							
7	44	36	40	-8	25	0	0	24	45	36	47	38	43	OM	OM	OM	46	40	43	44	40	42	46	43	45							
8	44	22	33	-15	32	0	0	24	55	19	56	22	39	OM	OM	OM	51	33	42	48	34	41	49	40	45							
9	53	23	38	-10	27	0	0	18	67	21	63	24	44	OM	OM	OM	53	33	43	48	34	41	48	39	44							
10	60	38	49	1	16	4	0	2	76	37	71	38	55	OM	OM	OM	53	37	45	49	37	43	49	41	45							
11	50	40	45	-3	20	0	0	10	49	40	50	42	46	OM	OM	OM	48	43	46	45	42	44	48	44	46							
12	54	36	45	-3	20	0	0	14	58	35	56	36	46	OM	OM	OM	52	39	46	49	39	44	51	44	48							
13	49	37	43	-5	22	0	0	14	54	35	54	37	46	OM	OM	OM	49	39	44	46	39	43	48	44	46							
14	43	36	40	-8	25	0	0	24	43	35	45	37	41	OM	OM	OM	43	39	41	42	39	41	45	43	44							
15	62	31	47	-2	18	2	0	11	73	26	70	29	50	OM	OM	OM	57	37	47	52	37	45	52	43	48							
16	61	38	50	1	15	5	0	13	79	32	73	34	54	OM	OM	OM	57	37	47	52	37	45	52	42	47							
17	61	45	53	4	12	8	0	0	62	43	63	44	54	OM	OM	OM	52	41	47	49	40	45	50	44	47							
18	67	36	52	3	13	7	0	6	76	31	77	33	55	OM	OM	OM	63	39	51	58	40	49	57	45	51							
19	66	35	51	2	14	6	0	10	80	28	76	32	54	OM	OM	OM	63	39	51	57	40	49	57	44	51							
20	70	41	56	7	9	11	1	0	80	39	82	40	61	OM	OM	OM	64	39	52	59	40	50	58	44	51							
21	68	46	57	8	8	12	2	0	76	43	79	44	62	OM	OM	OM	64	45	55	59	45	52	59	48	54							
22	69	48	59	9	6	14	4	0	75	46	77	48	63	OM	OM	OM	65	45	55	59	45	52	59	49	54							
23	68	48	58	8	7	13	3	0	75	47	77	49	63	OM	OM	OM	63	50	57	59	49	54	60	53	57							
24	62	38	50	0	15	5	0	8	76	35	70	38	54	OM	OM	OM	60	45	53	55	45	50	57	50	54							
25	63	39	51	1	14	6	0	9	74	34	72	37	55	OM	OM	OM	60	43	52	56	43	50	57	49	53							
26	54	28	41	-9	24	0	0	16	65	25	64	27	46	OM	OM	OM	59	35	47	55	36	46	56	44	50							
27	50	29	40	-10	25	0	0	19	58	28	60	30	45	OM	OM	OM	52	35	44	49	36	43	49	41	45							
28	51	38	45	-6	20	0	0	8	54	37	56	39	48	OM	OM	OM	48	37	43	45	37	41	47	41	44							
TOTAL					508	117	13	309	1804	960																						
MEAN	56.8	36.5	46.7	-1.8	18.1	4.2	.5	11.0	64.4	34.3	64.0	36.2	50.1	.0	.0	.0	54.5	39.6	47.1	50.8	39.8	45.3	52.1	44.4	48.2							

TEMPERATURE EXTREMES: HIGHEST 70 ON DAYS 20,
 LOWEST 22 ON DAYS 8,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 7 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

N = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - FEBRUARY 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING		
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	.03	5	.00M	.00M	60	43	52	69	.109	78	77	88	77	80	9	RAIN FOG
2	1.93	0	.00M	.00M	55	49	52	119	.000M	OM	OM	47	57	OM	19	RAIN
3	.00	1	.00M	.00M	54	33	44	188	.114	61	57	57	65	60	0	
4	.00	2	.00M	.00M	35	30	33	105	.000M	69	75	31	41	54	1	DEW
5	.00	3	.00M	.00M	47	30	39	98	.000M	48	50	42	65	51	0	
6	.51	0	.00M	.00M	38	34	36	100	.018	77	83	81	82	81	20	RAIN
7	.08	1	.00M	.00M	42	36	39	64	.010	80	70	52	68	68	17	RAIN
8	.00	2	.00M	.00M	48	32	40	66	.000M	72	72	34	56	59	2	DEW
9	.00	3	.00M	.00M	51	32	42	32	.000M	64	51	47	53	54	0	
10	.00T	4	.00M	.00M	52	36	44	59	.128	52	48	75	82	64	2	RAIN
11	.16	5	.00M	.00M	45	40	43	64	.000	81	81	63	66	73	21	RAIN
12	.00	6	.00M	.00M	51	36	44	55	.045	75	73	59	65	68	4	DEW
13	.00	7	.00M	.00M	46	36	41	55	.068	67	64	74	76	70	1	RAIN
14	.78	0	.00M	.00M	39	34	37	101	.030	76	75	40	45	59	20	RAIN
15	.00	1	.00M	.00M	58	34	46	66	.129	56	58	36	55	51	0	
16	.00	2	.00M	.00M	52	37	45	41	.164	57	59	59	78	63	0	
17	.12	3	.00M	.00M	52	39	46	90	.044	75	76	35	36	56	15	RAIN
18	.00	4	.00M	.00M	65	37	51	70	.187	52	60	30	42	46	0	
19	.00	5	.00M	.00M	65	39	52	37	.152	58	55	27	39	45	3	DEW
20	.00	6	.00M	.00M	65	38	52	74	.208	56	61	44	54	54	0	
21	.00	7	.00M	.00M	66	43	55	106	.195	63	46	36	52	49	0	
22	.15	8	.00M	.00M	65	43	54	139	.201	70	78	59	51	65	7	RAIN
23	.71	0	.00M	.00M	63	47	55	113	.139	74	75	59	76	71	11	RAIN
24	.00	1	.00M	.00M	58	42	50	55	.039	80	79	54	75	72	17	DEW FOG
25	.10	2	.00M	.00M	60	40	50	63	.076	81	68	37	43	57	16	RAIN
26	.00	3	.00M	.00M	57	32	45	115	.170	50	52	34	40	44	0	
27	.00	4	.00M	.00M	48	32	40	95	.161	45	43	38	39	41	0	
28	.00T	5	.00M	.00M	45	35	40	154	.142	52	66	70	76	66	6	RAIN

TOTAL: 4.57

2383 2.529

MEAN .000 52.9 37.1 45.0 85 .110 66 65 50 59 60 7

NORMAL PRECIPITATION FOR MONTH IS 5.32 INCHES; 24 HOUR MAXIMUM = 1.93 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 10; OF 0.50 OR MORE 4; OF 1.00 OR MORE 1

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - FEBRUARY 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS
	6PM TO 6AM DIR. SPEED	6AM TO 6PM PREV AVER DIR. SPEED	6AM TO 6PM PREV AVER DIR. SPEED	MAX GUST HR. SPEED	MINS. OF SUNSHINE	PERCENT OF POSSIBLE SUNSHINE	LANG- LEYS* SOLAR RAD.	LANG- LEYS* NET RAD.	STATION PRESSURE IN INCHES	MAX	MIN	MEAN	MIXING RATIO**	MAX	MIN	D LIGHT- A NING Y STROK- S ES	OBSERVED OR REPORTED HAIL HI-WIND
1	E	6	E	6	22:00	31	0	.0	28	OM	29.95	29.48	29.72				
2	SW	10	SW	13	12:00	30	232	36.2	218	OM	29.73	29.49	29.61				
3	N	12	W	13	9:00	27	1	.2	78	OM	30.13	29.73	29.93				
4	NW	3	NW	7	13:00	19	479	74.5	344	OM	30.25	30.12	30.19				
5	N	5	NE	6	0:00	27	0	.0	73	OM	30.24	29.91	30.07				
6	E	8	NE	4	1:00	21	0	.0	67	OM	29.91	29.79	29.85				
7	NW	5	NW	8	9:00	21	294	45.4	282	OM	30.15	29.90	30.02				
8	NW	2	NW	4	15:00	14	600	92.4	411	OM	30.23	30.09	30.16				
9	V	1	SE	3	23:00	12	112	17.2	203	OM	30.09	29.88	29.98				
10	E	5	NE	7	8:00	21	0	.0	60	OM	29.88	29.65	29.76				
11	NE	4	NW	4	14:00	17	134	20.5	174	OM	30.14	29.78	29.96				
12	N	4	NE	5	9:00	18	3	.5	164	OM	30.26	30.14	30.20				
13	NE	4	NE	9	14:00	23	0	.0	66	OM	30.24	29.94	30.09				
14	N	6	NW	7	13:00	19	481	73.0	363	OM	29.97	29.88	29.92				
15	V	2	SE	4	14:00	19	489	74.0	348	OM	30.04	29.94	29.99				
16	V	2	NE	6	22:00	17	17	2.6	120	OM	29.96	29.82	29.89				
17	NE	8	N	9	10:00	23	612	92.0	403	OM	30.01	29.84	29.92				
18	N	5	SW	5	8:00	17	597	89.5	422	OM	30.07	29.96	30.01				
19	NE	2	E	4	12:00	17	623	93.1	420	OM	30.08	29.95	30.01				
20	E	6	E	9	13:00	21	382	57.0	369	OM	30.26	30.07	30.16				
21	E	6	E	10	13:00	25	367	54.6	351	OM	30.26	30.03	30.14				
22	E	9	SW	9	20:00	31	148	22.0	210	OM	30.03	29.70	29.86				
23	W	7	W	7	15:00	17	56	8.3	175	OM	29.88	29.75	29.81				
24	V	2	SW	6	14:00	21	171	25.2	244	OM	29.88	29.72	29.80				
25	W	3	NW	9	9:00	23	619	90.9	456	OM	30.15	29.82	29.98				
26	N	8	NE	7	4:00	23	402	58.9	358	OM	30.28	30.11	30.19				
27	E	6	NE	11	21:00	29	1	.1	160	OM	30.20	29.92	30.06				
28	NE	11	NE	12	16:00	30	0	.0	62	OM	30.92	29.58	30.25				
TOTAL							6820		6629	0							
MEAN	5	7	22	244			237		0	30.11	29.86	29.99	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.
 WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)
 ** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.
 WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
FEBRUARY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	58	35	47	78	1957	17	1936
2	58	35	47	80	1957	10	1951
3	59	36	48	76	1950	9	1951
4	59	36	48	80	1927	10	1958
5	59	36	48	81	1957	19	1947
6	59	36	48	80	1957	17	1978
7	59	36	48	78	1957	18	1962
8	59	36	48	80	1957	18	1951
9	59	36	48	80	1957	11	1933
10	60	36	48	79	1939	15	1947
11	60	36	48	79	1932	17	1973
12	60	36	48	79	1922	12	1981
13	60	36	48	79	1922	13	1981
14	60	36	48	82	1962	15	1958
15	60	37	49	80	1959	13	1943
16	60	37	49	80	1921	16	1958
17	61	37	49	81	1927	8	1958
18	61	37	49	78	1956	8	1958
19	61	37	49	77	1956	12	1958
20	61	37	49	79	1956	18	1958
21	61	37	49	77	1922	17	1958
22	61	38	50	78	1976	12	1963
23	62	38	50	79	1927	14	1963
24	62	38	50	78	1980	21	1947
25	62	38	50	81	1918	16	1967
26	62	38	50	80	1944	17	1967
27	62	38	50	81	1945	12	1963
28	63	39	51	82	1962	18	1963

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - MARCH 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA											(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES									
	MAX	MIN	MEAN	DFN*	BELOW		ABOVE		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN							
					65	45																				55						
1	49	43	46	-5	19	1	0	4	47	40	49	42	45	OM	OM	OM	46	43	45	45	42	44	48	43	46							
2	69	40	55	4	10	10	0	4	79	37	77	40	59	OM	OM	OM	63	44	54	58	44	51	57	47	52							
3	73	44	59	8	6	14	4	0	85	46	82	47	65	OM	OM	OM	67	44	56	61	44	53	60	48	54							
4	78	52	65	14	0	20	10	0	88	48	89	50	70	OM	OM	OM	71	51	61	65	50	58	64	54	59							
5	76	56	66	14	0	21	11	0	84	54	84	56	70	OM	OM	OM	71	53	62	65	52	59	64	56	60							
6	70	55	63	11	2	18	8	0	68	50	69	53	61	OM	OM	OM	61	55	58	58	54	56	61	58	60							
7	78	54	66	14	0	21	11	0	86	50	85	51	68	OM	OM	OM	71	55	63	65	54	60	65	54	60							
8	78	50	64	12	1	19	9	0	89	46	89	49	69	OM	OM	OM	74	54	64	68	53	61	68	59	64							
9	70	36	53	0	12	8	0	7	82	32	80	35	58	OM	OM	OM	70	46	58	65	46	56	65	46	56							
10	59	34	47	-6	18	2	0	11	69	34	66	35	51	OM	OM	OM	62	43	53	59	44	52	60	51	56							
11	38	32	35	-18	30	0	0	24	43	31	42	32	37	OM	OM	OM	45	37	41	44	38	41	51	44	48							
12	48	31	40	-13	25	0	0	21	63	28	57	30	44	OM	OM	OM	53	37	45	49	38	44	51	44	48							
13	57	31	44	-10	21	0	0	15	65	27	65	29	47	OM	OM	OM	62	37	50	56	38	47	56	43	50							
14	66	35	51	-3	14	6	0	7	80	36	76	38	57	OM	OM	OM	65	37	51	59	38	49	58	43	51							
15	70	43	57	3	8	12	2	3	80	39	78	41	60	OM	OM	OM	66	45	56	61	44	53	61	49	55							
16	69	47	58	4	7	13	3	OM	75	48	77	50	64	OM	OM	OM	65	47	56	64	47	56	60	51	56							
17	62	47	55	0	10	10	0	OM	62	47	62	47	55	OM	OM	OM	61	51	56	61	53	57	60	47	54							
18	53	47	50	-5	15	5	0	OM	54	47	54	47	51	OM	OM	OM	55	51	53	55	53	54	55	53	54							
19	59	42	51	-4	14	6	0	OM	62	39	60	40	50	OM	OM	OM	59	47	53	58	49	54	56	51	54							
20	72	45	59	3	6	14	4	OM	87	42	80	43	62	OM	OM	OM	72	48	60	69	49	59	63	51	57							
21	62	43	53	-3	12	8	0	OM	61	43	61	43	52	OM	OM	OM	58	48	53	58	50	54	56	52	54							
22	47	27	37	-19	28	0	0	OM	54	25	52	26	39	OM	OM	OM	54	38	46	53	41	47	53	44	49							
23	55	32	44	-12	21	0	0	OM	67	33	62	34	48	OM	OM	OM	60	39	50	58	41	50	54	44	49							
24	55	32	44	-13	21	0	0	OM	66	33	65	33	49	OM	OM	OM	58	38	48	57	42	50	53	45	49							
25	43	26	35	-22	30	0	0	OM	47	23	46	25	36	OM	OM	OM	47	36	42	48	39	44	47	41	44							
26	61	32	47	-10	18	2	0	OM	77	38	73	36	55	OM	OM	OM	65	36	51	62	39	51	55	41	48							
27	60	46	53	-5	12	8	0	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	44	OM	OM	OM	OM							
28	73	39	56	-2	9	11	1	OM	79	36	78	37	58	OM	OM	OM	69	44	57	66	47	57	61	49	55							
29	59	32	46	-13	19	1	0	OM	72	29	69	30	50	OM	OM	OM	66	42	54	64	45	55	58	47	53							
30	65	39	52	-7	13	7	0	OM	80	41	75	41	58	OM	OM	OM	70	43	57	67	45	56	60	47	54							
31	51	44	48	-11	17	3	0	OM	53	47	53	46	50	OM	OM	OM	54	47	51	53	49	51	52	49	51							

TOTAL 418 240 63 96 2104 1169

MEAN 62.1 40.5 51.3 -3.2 13.5 7.7 2.0 6.4 70.1 39.0 68.5 40.2 54.3 .0 .0 .0 62.0 44.5 53.3 59.0 45.5 52.3 57.7 48.4 53.0

TEMPERATURE EXTREMES: HIGHEST 78 ON DAYS 4, 7, 8.
 LOWEST 26 ON DAYS 25,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 9 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - MARCH 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA						VEGETATIVE WETTING		
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MILES MEAN	AIR INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE	
1	.92	0	.00M	.00M	43	39	41	128	.002	78	78	36	49	60	21	RAIN
2	.00	1	.00M	.00M	65	42	54	73	.186	62	74	45	61	61	3	DEW
3	.00	2	.00M	.00M	71	44	58	34	.179	76	78	47	56	64	10	DEW
4	.00	3	.00M	.00M	75	52	64	42	.164	74	76	42	46	60	8	DEW
5	.00	4	.00M	.00M	72	54	63	146	.260	63	67	63	78	68	0	
6	3.57	0	.00M	.00M	62	55	59	138	.000M	81	80	33	43	59	18	RAIN
7	.00	1	.00M	.00M	66	59	63	62	.238	56	81	50	70	64	5	FOG
8	.02	2	.00M	.00M	77	54	66	30	.107	79	76	34	48	59	15	RAIN
9	.00	3	.00M	.00M	71	40	56	91	.238	65	66	40	44	54	4	RAIN
10	.00	4	.00M	.00M	61	37	49	130	.197	58	60	56	52	57	0	
11	.00T	5	.00M	.00M	37	32	35	146	.060	55	56	46	54	53	0	
12	.00	6	.00M	.00M	49	31	40	163	.123	55	59	41	53	52	0	
13	.00	7	.00M	.00M	62	35	49	85	.150	70	61	30	43	51	4	DEW
14	.00	8	.00M	.00M	66	35	51	35	.148	52	64	39	51	52	0	
15	.00	9	.00M	.00M	68	42	55	33	.135	54	71	42	44	53	3	DEW
16	.11	10	.00M	.00M	67	45	56	83	.052	70	67	70	74	70	16	RAIN
17	.20	11	.00M	.00M	60	47	54	148	.000M	69	71	71	74	71	21	RAIN
18	.29	0	.00M	.00M	51	47	49	85	.009	74	76	69	67	72	22	RAIN
19	.00	1	.00M	.00M	57	45	51	62	.026	77	76	41	57	63	14	DEW
20	.00	2	.00M	.00M	76	45	61	51	.173	72	72	74	73	73	16	DEW RAIN
21	1.37	0	.00M	.00M	56	44	50	121	.052	67	61	49	56	58	14	RAIN
22	.00	1	.00M	.00M	49	37	43	134	.076	56	60	34	50	50	1	DEW
23	.00	2	.00M	.00M	59	37	48	74	.190	50	49	34	47	45	0	
24	.97	0	.00M	.00M	57	33	45	58	.123	72	73	64	70	70	18	RAIN
25	.41	0	.00M	.00M	41	32	37	53	.000M	75	73	27	37	53	14	DEW RAIN
26	.00	1	.00M	.00M	67	36	52	61	.192	41	57	64	70	58	0	
27	1.85	0	.00M	.00M	OM	OM	OM	141	.000M	100	97	33	36	67	24	RAIN
28	.00	1	.00M	.00M	71	42	57	118	.000M	52	52	40	47	48	0	
29	.00	2	.00M	.00M	64	39	52	80	.205	61	58	35	45	50	2	DEW
30	.00	3	.00M	.00M	69	39	54	42	.221	46	51	68	68	58	3	RAIN
31	.37	0	.00M	.00M	48	44	46	25	.000	71	69	52	67	65	19	RAIN
TOTAL	10.08							2672	3.496							
MEAN			.000		61.2	42.1	51.7	86	.134	66	68	47	56	59	9	

NORMAL PRECIPITATION FOR MONTH IS 6.93 INCHES; 24 HOUR MAXIMUM = 3.57 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 11; OF 0.50 OR MORE 5; OF 1.00 OR MORE 3

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - MARCH 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION			BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX GUST HR. SPEED	MINS. OF SHINE	PERCENT OF SUNSHINE	LANG- LEYS* SOLAR RAD.	LANG- LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHT- A NING Y STROK- S ES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF -AGE FRONT	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED						MAX	MIN	MEAN	MAX	MIN				
1	N	9	NW	8	12:00	25	567	82.4	447	OM	29.91	29.74	29.82					
2	V	1	SW	5	15:00	19	615	89.0	431	OM	30.03	29.94	29.98					
3	V	1	S	4	13:00	14	469	67.7	372	OM	30.03	29.97	30.02					
4	S	3	SE	9	15:00	27	416	59.9	366	OM	30.07	29.90	29.98					
5	SE	8	SE	13	20:00	33	61	8.8	51	OM	30.58	29.90	30.24					
6	SE	5	SW	7	12:00	23	644	92.1	468	OM	29.88	29.74	29.81					
7	V	2	S	4	18:00	16	520	74.2	336	OM	29.84	29.68	29.76					
8	V	2	SW	9	15:00	27	644	91.7	479	OM	29.82	29.68	29.75					
9	NW	5	W	10	11:00	25	612	86.9	461	OM	29.86	29.76	29.81					
10	NW	7	NW	8	20:00	27	0	.0	72	OM	29.92	29.78	29.85					
11	NW	9	NW	11	13:00	27	234	33.0	345	OM	29.99	29.89	29.94					
12	NW	9	NW	9	2:00	25	665	93.5	515	OM	30.04	29.92	29.98					
13	NW	4	W	5	14:00	19	649	91.0	506	OM	29.98	29.84	29.91					
14	V	2	SW	5	13:00	14	371	51.9	393	OM	29.92	29.81	29.86					
15	V	1	SE	4	0:00M	OM	0	.0	270	OM	29.84	29.64	29.74					
16	NE	8	NE	12	5:00	30	3	.4	110	OM	29.64	29.48	29.56					
17	NE	12	NE	10	5:00	29	0	.0	78	OM	29.48	29.33	29.40					
18	N	6	W	8	14:00	19	0	.0	108	OM	29.70	29.39	29.55					
19	V	2	SW	6	10:00	16	634	87.4	504	OM	29.80	29.69	29.74					
20	V	1	SE	7	17:00	23	0	.0	37	OM	29.78	29.47	29.62					
21	W	10	W	13	9:00	27	42	5.8	160	OM	30.04	29.57	29.80					
22	W	6	W	8	15:00	23	687	94.0	516	OM	30.14	30.03	30.08					
23	N	3	NE	5	16:00	16	OM	.0M	290	OM	30.16	29.91	30.03					
24	NE	6	N	10	7:00	25	10	1.4	139	OM	29.99	29.74	29.86					
25	V	1	NW	3	14:00	15	709	96.2	582	OM	30.15	29.98	30.06					
26	E	5	E	12	21:00	30	396	53.5	199	OM	30.20	29.84	30.02					
27	V	10	SW	13	14:00	30	512	69.0	519	OM	29.88	29.76	29.82					
28	W	3	NW	9	14:00	23	455	61.2	536	OM	30.18	29.91	30.04					
29	NW	4	NW	4	8:00	18	670	89.8	561	OM	30.24	30.13	30.18					
30	NE	4	V	3	7:00	13	0	.0	76	OM	30.20	29.94	30.07					
31	NE	3	NW	4	11:00	11	36	4.8	209	OM	29.94	29.86	29.90					
TOTAL							10621		10136	0								
MEAN	5	8			22	354			327	0	29.98	29.78	29.88	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA,

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLINATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
MARCH

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	63	39	51	81 1932	20 1941
2	63	39	51	82 1932	18 1980
3	63	39	51	82 1918	12 1980
4	63	39	51	81 1910	13 1943
5	64	40	52	84 1976	17 1960
6	64	40	52	82 1961	16 1960
7	64	40	52	83 1911	23 1920
8	64	40	52	84 1925	20 1920
9	65	41	53	86 1925	26 1932
10	65	41	53	87 1974	17 1932
11	65	41	53	86 1925	22 1934
12	65	41	53	85 1967	26 1969
13	66	41	54	89 1923	23 1932
14	66	42	54	84 1963	18 1926
15	66	42	54	82 1955	25 1934
16	66	42	54	84 1945	25 1916
17	67	42	55	89 1945	27 1924
18	67	43	55	87 1945	25 1941
19	67	43	55	86 1982	26 1960
20	68	43	56	89 1938	22 1923
21	68	44	56	87 1927	24 1960
22	68	44	56	85 1921	21 1960
23	68	44	56	84 1939	26 1955
24	69	44	57	89 1929	25 1968
25	69	45	57	86 1954	26 1983
26	69	45	57	87 1910	29 1979
27	70	45	58	89 1910	17 1955
28	70	46	58	84 1910	24 1955
29	71	46	59	85 1945	26 1955
30	71	46	59	86 1946	27 1964
31	71	47	59	84 1929	26 1950

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - APRIL 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES		
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	58	40	49	-11	16	4	0	OM	64	37	62	38	50	OM	OM	OM	61	45	53	59	47	53	56	49	53
2	71	48	60	0	5	15	5	OM	81	52	79	51	65	OM	OM	OM	71	47	59	68	48	58	62	48	55
3	60	46	53	-7	12	8	0	OM	71	46	68	46	57	OM	OM	OM	62	50	56	61	51	56	58	52	55
4	65	38	52	-9	13	7	0	OM	78	34	73	36	55	OM	OM	OM	69	46	58	67	49	58	61	50	56
5	77	51	64	3	1	19	9	OM	86	50	85	51	68	OM	OM	OM	74	48	61	71	49	60	64	50	57
6	73	56	65	4	0	20	10	OM	77	56	76	56	66	OM	OM	OM	66	54	60	65	55	60	62	56	59
7	73	59	66	4	0	21	11	OM	76	60	74	60	67	OM	OM	OM	68	59	64	67	59	63	64	59	62
8	70	59	65	3	0	20	10	OM	74	59	73	59	66	OM	OM	OM	66	61	64	65	62	64	63	60	62
9	70	60	65	3	0	20	10	OM	71	61	71	60	66	OM	OM	OM	66	62	64	65	62	64	63	61	62
10	67	39	53	-10	12	8	0	OM	80	34	75	37	56	OM	OM	OM	71	49	60	69	52	61	66	55	61
11	69	42	56	-7	9	11	1	OM	83	38	78	40	59	OM	OM	OM	71	50	61	69	52	61	64	54	59
12	75	46	61	-2	4	16	6	OM	86	42	83	44	64	OM	OM	OM	74	52	63	72	53	63	66	54	60
13	81	50	66	3	0	21	11	OM	95	44	91	45	68	OM	OM	OM	80	54	67	76	55	66	69	56	63
14	79	59	69	5	0	24	14	OM	88	60	86	60	73	OM	OM	OM	79	56	68	75	57	66	69	59	64
15	66	49	58	-6	7	13	3	OM	71	49	70	51	61	OM	OM	OM	67	57	62	66	59	63	64	60	62
16	65	37	51	-13	14	6	0	OM	76	33	74	34	54	OM	OM	OM	73	46	60	71	50	61	67	54	61
17	63	37	50	-15	15	5	0	OM	78	32	75	35	55	OM	OM	OM	72	47	60	70	50	60	64	52	58
18	68	45	57	-8	8	12	2	OM	82	41	78	43	61	OM	OM	OM	73	50	62	71	51	61	65	52	59
19	61	28	45	-20	20	0	0	OM	74	24	71	26	49	OM	OM	OM	64	42	53	63	45	54	60	48	54
20	58	34	46	-19	19	1	0	OM	75	29	72	32	52	OM	OM	OM	69	44	57	66	45	56	61	48	55
21	63	36	50	-16	15	5	0	OM	81	30	76	33	55	OM	OM	OM	73	45	59	70	48	59	64	51	58
22	71	48	60	-6	5	15	5	OM	84	42	82	45	64	OM	OM	OM	76	48	62	72	49	61	66	51	59
23	66	51	59	-7	6	14	4	OM	71	52	71	52	62	OM	OM	OM	62	55	59	61	55	58	60	55	58
24	76	52	64	-2	1	19	9	OM	91	53	87	53	70	OM	OM	OM	74	55	65	70	56	63	65	57	61
25	65	41	53	-14	12	8	0	OM	76	35	73	36	55	OM	OM	OM	68	48	58	65	50	58	62	53	58
26	72	42	57	-10	8	12	2	OM	83	38	80	39	60	OM	OM	OM	75	49	62	72	51	62	66	53	60
27	78	46	62	-5	3	17	7	OM	91	42	88	43	66	OM	OM	OM	79	53	66	76	53	65	69	55	62
28	80	45	63	-4	2	18	8	OM	91	42	89	43	66	OM	OM	OM	81	54	68	78	56	67	72	57	65
29	80	51	66	-1	0	21	11	OM	89	50	87	50	69	OM	OM	OM	82	57	70	79	58	69	73	59	66
30	82	51	67	-1	0	22	12	OM	90	48	89	50	70	OM	OM	OM	85	59	72	81	61	71	74	62	68
TOTAL					207	402	150	0	2413	1313				.0	.0	.0	71.7	51.4	61.5	69.3	52.9	61.1	64.6	54.3	59.5
MEAN	70.1	46.2	58.1	-5.6	6.9	13.4	5.0	.0	80.4	43.8	77.9	44.9	61.4	.0	.0	.0	71.7	51.4	61.5	69.3	52.9	61.1	64.6	54.3	59.5

TEMPERATURE EXTREMES: HIGHEST 82 ON DAYS 30,
 LOWEST 28 ON DAYS 19,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 1 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - APRIL 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING		
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MILES MEAN	AIR MOVEMENT	INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	.00	1	.00M	.00M	58	44	51	34	.066	70	66	41	49	57	14	RAIN
2	.22	0	.00M	.00M	72	44	58	182	.318	48	55	40	45	47	7	RAIN
3	.00T	1	.00M	.00M	61	47	54	117	.174	57	53	37	42	47	11	RAIN
4	.00	2	.00M	.00M	69	45	57	86	.221	60	57	27	30	44	7	DEW
5	.00	3	.00M	.00M	75	45	60	85	.322	36	60	58	67	55	0	
6	.29	0	.00M	.00M	67	52	60	96	.077	65	67	59	69	65	14	RAIN
7	.16	1	.00M	.00M	69	57	63	72	.055	71	69	57	64	65	18	RAIN
8	.98	0	.00M	.00M	65	59	62	92	.075	71	71	93	92	82	19	RAIN
9	2.13	0	.00M	.00M	63	59	61	115	.210	95	94	76	74	85	21	RAIN
10	.00	1	.00M	.00M	70	45	58	91	.182	76	80	46	60	66	2	DEW
11	.00	2	.00M	.00M	69	45	57	88	.287	84	72	38	48	61	4	DEW
12	.00	3	.00M	.00M	73	47	60	75	.312	83	58	47	52	60	2	DEW
13	.00	4	.00M	.00M	79	51	65	70	.252	82	74	45	45	62	1	DEW
14	.27	0	.00M	.00M	77	53	65	154	.347	71	94	80	92	84	5	RAIN
15	.64	0	.00M	.00M	64	53	59	100	.043	96	73	48	50	67	15	RAIN
16	.00	1	.00M	.00M	71	40	56	91	.280	65	65	38	50	55	0	
17	.00	2	.00M	.00M	67	40	54	63	.239	79	76	40	58	63	0	
18	.04	3	.00M	.00M	71	41	56	77	.252	65	76	81	74	74	10	RAIN
19	.14	4	.00M	.00M	61	38	50	86	.086	90	73	41	45	62	1	DEW
20	.00	5	.00M	.00M	66	38	52	60	.235	55	55	36	32	45	0	
21	.00	6	.00M	.00M	70	40	55	62	.264	36	32	25	47	35	0	
22	.00	7	.00M	.00M	74	40	57	44	.225	72	48	83	88	73	1	RAIN
23	.96	0	.00M	.00M	59	51	55	92	.037	95	95	63	71	81	21	RAIN
24	.52	0	.00M	.00M	73	51	62	149	.252	83	76	48	48	64	4	RAIN
25	.00	1	.00M	.00M	66	43	55	128	.250	77	69	34	40	55	1	DEW
26	.00	2	.00M	.00M	74	44	59	58	.273	67	48	26	45	47	0	
27	.00	3	.00M	.00M	80	48	64	41	.253	55	63	25	54	49	1	DEW
28	.00	4	.00M	.00M	82	52	67	42	.270	69	66	35	58	57	4	DEW
29	.00	5	.00M	.00M	82	53	68	49	.254	81	81	36	65	66	5	DEW
30	.00	6	.00M	.00M	83	56	70	60	.243	85	77	43	61	67	6	DEW
TOTAL	6.35							2559	6.354							
MEAN			.000		70.3	47.4	58.8	85	.212	71	68	48	57	61	6	

NORMAL PRECIPITATION FOR MONTH IS 5.21 INCHES; 24 HOUR MAXIMUM = 2.13 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 11; OF 0.50 OR MORE 5; OF 1.00 OR MORE 1

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR. OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - APRIL 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL					SUNSHINE AND RADIATION			BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX DUST HR. SPEED	MINS. OF SUN- SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG- LEYS* SOLAR RAD.	LANG- LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHT- A NING Y STROK- S ES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF -AGE FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED						MAX	MIN	MEAN	MAX	MIN			
1	V	1	SE	9	23:00	33	611	81.3	547	OM	29.89	29.54	29.72				
2	SE	11	SW	12	1:00	29	164	21.8	317	OM	29.65	29.46	29.55				
3	W	5	SW	11	9:00	25	527	69.7	543	OM	29.93	29.70	29.81				
4	V	1	SE	6	11:00	21	685	90.4	547	OM	30.05	29.93	29.99				
5	SE	4	SE	6	21:00	23	0	.0	134	OM	30.04	29.95	30.00				
6	E	6	SE	6	4:00	21	0	.0	149	OM	30.07	29.95	30.01				
7	V	4	S	8	15:00	29	14	1.8	98	OM	30.00	29.77	29.88				
8	V	5	SE	6	21:00	27	0	.0	46	OM	29.88	29.75	29.81				
9	SE	8	W	8	15:00	32	327	42.6	346	OM	29.96	29.76	29.86				
10	NW	5	SW	10	17:00	31	658	85.5	561	OM	30.04	29.91	29.97				
11	V	2	NW	9	13:00	27	732	94.9	605	OM	30.05	29.94	29.99				
12	V	1	S	6	13:00	23	638	82.4	542	OM	30.04	29.94	29.99				
13	SE	3	SE	11	13:00	35	651	83.9	552	OM	30.03	29.91	29.97				
14	SE	7	SE	8	9:00	30	0	.0	107	OM	29.98	29.82	29.90				
15	SW	4	NW	9	15:00	32	552	70.9	571	OM	30.04	29.90	29.97				
16	NW	5	NW	9	9:00	25	734	93.9	634	OM	30.12	30.02	30.07				
17	V	1	NW	8	13:00	35	726	92.7	612	OM	30.08	29.82	29.95				
18	W	2	W	9	15:00	27	216	27.5	254	OM	29.84	29.69	29.76				
19	NW	3	NW	6	13:00	17	696	88.4	618	OM	29.89	29.80	29.84				
20	N	4	NW	7	14:00	19	751	95.2	640	OM	30.01	29.89	29.95				
21	N	5	NW	5	8:00	18	760	96.2	610	OM	30.10	29.99	30.04				
22	V	2	NE	5	14:00	16	101	12.8	135	OM	30.03	29.84	29.94				
23	SE	7	S	7	15:00	33	181	22.8	283	OM	29.87	29.33	29.60				
24	NW	11	NW	14	13:00	33	310	39.0	421	OM	29.83	29.51	29.67				
25	NW	4	NW	7	12:00	21	754	94.5	650	OM	30.07	29.83	29.95				
26	V	2	V	5	16:00	16	764	95.5	655	OM	30.10	29.96	30.03				
27	V	2	SW	5	15:00	16	764	95.4	650	OM	30.14	30.02	30.08				
28	V	1	SW	6	10:00	17	750	93.4	624	OM	30.12	30.04	30.08				
29	V	1	SW	7	12:00	23	514	63.9	580	OM	30.13	30.05	30.09				
30	V	1	S	8	11:00	21	682	84.5	606	OM	30.14	30.02	30.08				
TOTAL							14262		13637	0							
MEAN	4		8		25	475		455	0	30.00	29.83	29.92	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
APRIL

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	72	47	60	86 1974	29 1923
2	72	47	60	85 1982	30 1961
3	72	47	60	86 1945	32 1962
4	73	48	61	87 1934	30 1951
5	73	48	61	87 1934	31 1944
6	73	48	61	86 1978	29 1952
7	74	49	62	87 1967	29 1950
8	74	49	62	89 1919	33 1950
9	74	49	62	92 1927	35 1916
10	75	50	63	86 1978	32 1938
11	75	50	63	86 1930	28 1960
12	75	50	63	86 1930	33 1918
13	76	50	63	86 1945	27 1940
14	76	51	64	88 1945	30 1962
15	76	51	64	88 1972	31 1943
16	77	51	64	91 1925	29 1962
17	77	52	65	89 1914	31 1949
18	77	52	65	91 1955	34 1962
19	78	52	65	89 1955	28 1983
20	78	52	65	88 1927	32 1953
21	78	53	66	89 1946	32 1953
22	79	53	66	88 1915	38 1953
23	79	53	66	89 1925	38 1927
24	79	53	66	92 1925	38 1959
25	79	54	67	88 1960	34 1910
26	80	54	67	90 1924	36 1910
27	80	54	67	89 1915	38 1978
28	80	54	67	91 1922	40 1928
29	80	54	67	90 1943	40 1928
30	81	55	68	94 1942	43 1925

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - MAY 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES		
	MAX	MIN	MEAN	DFN*	BELOW		ABOVE		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
					65	45		55																	
1	83	53	68	0	0	23	13	OM	93	51	92	52	72	OM	OM	OM	88	61	75	84	62	73	76	62	69
2	82	55	69	1	0	24	14	OM	91	52	91	52	72	OM	OM	OM	87	62	75	83	63	73	76	64	70
3	79	62	71	3	0	26	16	OM	85	61	84	61	73	OM	OM	OM	81	64	73	79	65	72	74	66	70
4	75	46	61	-8	4	16	6	OM	80	43	78	44	61	OM	OM	OM	73	54	64	72	56	64	69	60	65
5	71	44	58	-11	7	13	3	OM	82	40	84	43	64	OM	OM	OM	82	55	69	78	57	68	72	60	66
6	80	56	68	-1	0	23	13	OM	92	51	94	52	73	OM	OM	OM	87	58	73	82	58	70	75	60	68
7	84	49	67	-2	0	22	12	OM	95	47	99	48	74	OM	OM	OM	93	60	77	88	61	75	79	63	71
8	84	60	72	2	0	27	17	OM	94	55	96	57	77	OM	OM	OM	93	63	78	88	63	76	80	65	73
9	81	48	65	-5	0	20	10	OM	95	47	97	48	73	OM	OM	OM	92	59	76	87	62	75	80	65	73
10	82	55	69	-1	0	24	14	OM	96	54	102	57	80	OM	OM	OM	95	62	79	90	63	77	82	66	74
11	84	61	73	3	0	28	18	OM	97	59	101	60	81	OM	OM	OM	93	66	80	88	68	78	81	69	75
12	77	61	69	-1	0	24	14	OM	88	60	88	60	74	OM	OM	OM	80	66	73	78	67	73	75	68	72
13	84	56	70	-1	0	25	15	OM	100	54	102	55	79	OM	OM	OM	91	65	78	86	67	77	80	68	74
14	87	57	73	2	0	28	18	OM	103	57	105	58	82	OM	OM	OM	96	68	82	92	68	80	84	70	77
15	86	60	73	2	0	28	18	OM	100	57	102	58	80	OM	OM	OM	98	71	85	94	71	83	86	72	79
16	82	63	73	2	0	28	18	OM	95	OM	95	OM	OM	OM	OM	OM	90	OM	OM	87	70	79	82	OM	OM
17	71	48	60	-12	5	15	5	OM	OM	OM	OM	OM	OM	OM	OM	OM	59	OM	OM	79	62	71	OM	65	OM
18	72	57	65	-7	0	20	10	OM	80	OM	93	OM	OM	OM	OM	OM	84	60	72	80	62	71	72	62	67
19	74	60	67	-5	0	22	12	OM	81	64	88	64	76	OM	OM	OM	80	66	73	77	65	71	76	65	71
20	73	61	67	-5	0	22	12	OM	80	61	81	61	71	OM	OM	OM	74	66	70	72	66	69	71	68	70
21	78	64	71	-2	0	26	16	OM	90	65	94	65	80	OM	OM	OM	81	67	74	78	66	72	74	68	71
22	81	64	73	0	0	28	18	OM	97	65	97	65	81	OM	OM	OM	92	69	81	87	68	78	80	70	75
23	78	64	71	-2	0	26	16	OM	91	67	94	67	81	OM	OM	OM	82	70	76	79	70	75	77	71	74
24	83	60	72	-1	0	27	17	OM	100	60	101	61	81	OM	OM	OM	96	68	82	91	69	80	84	72	78
25	81	52	67	-7	0	22	12	OM	95	48	98	50	74	OM	OM	OM	96	64	80	91	66	79	86	70	78
26	81	55	68	-6	0	23	13	OM	96	53	97	54	76	OM	OM	OM	98	66	82	93	68	81	86	71	79
27	84	56	70	-4	0	25	15	OM	97	57	99	57	78	OM	OM	OM	97	68	83	92	69	81	87	72	80
28	81	53	67	-8	0	22	12	OM	94	52	98	54	76	OM	OM	OM	99	66	83	94	69	82	88	72	80
29	85	60	73	-2	0	28	18	OM	98	60	102	62	82	OM	OM	OM	101	70	86	96	70	83	89	73	81
30	84	57	71	-4	0	26	16	OM	97	58	98	59	79	OM	OM	OM	96	68	82	92	70	81	87	74	81
31	82	59	71	-4	0	26	16	OM	96	58	97	59	78	OM	OM	OM	92	67	80	89	69	79	83	72	78

TOTAL 16 737 427 0 2778 1556
 MEAN 80.3 56.7 68.5 -2.9 .5 23.8 13.8 .0 92.6 55.6 94.9 56.5 75.7 .0 .0 .0 89.6 64.3 76.9 85.4 65.5 75.4 79.7 67.4 73.6

TEMPERATURE EXTREMES: HIGHEST 87 ON DAYS 14,
 LOWEST 44 ON DAYS 5.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - MAY 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA						VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	.00	7	.00M	.00M	86	57	72	73	.255	81	87	49	60	69	5	DEW
2	.00	8	.00M	.00M	84	58	71	86	.246	82	88	56	65	73	6	DEW
3	.00	9	.00M	.00M	77	59	68	87	.191	87	92	81	95	89	7	DEW RAIN
4	.23	0	.00M	.00M	69	50	60	84	.100	95	85	48	56	71	17	RAIN DEW
5	.00	1	.00M	.00M	77	50	64	64	.238	68	60	31	52	53	0	
6	.00	2	.00M	.00M	80	52	66	67	.322	53	40	23	47	41	0	
7	.00	3	.00M	.00M	85	55	70	58	.273	77	63	32	50	56	2	DEW
8	.00T	4	.00M	.00M	83	56	70	97	.325	70	86	56	65	69	5	RAIN
9	.00T	5	.00M	.00M	86	49	68	87	.253	81	74	37	65	64	2	DEW
10	.00	6	.00M	.00M	87	51	69	52	.218	65	92	61	90	77	1	DEW
11	.05	7	.00M	.00M	86	61	74	65	.165	95	91	71	78	84	15	RAIN
12	.00T	8	.00M	.00M	76	62	69	44	.073	97	94	52	65	77	12	RAIN
13	.00	9	.00M	.00M	84	62	73	38	.170	85	72	44	70	68	1	DEW
14	.00	10	.00M	.00M	88	63	76	53	.262	87	85	41	66	70	8	DEW
15	.00	11	.00M	.00M	87	64	76	73	.208	88	90	55	66	75	17	DEW FOG
16	.96	0	.00M	.00M	81	60	71	84	.151	93	94	75	90	88	9	RAIN
17	.00	1	.00M	.00M	OM	OM	OM	OM	.170	97	89	57	75	80	11	DEW
18	.00	2	.00M	.00M	OM	OM	OM	OM	.185	92	87	76	85	85	0	
19	.02	3	.00M	.00M	75	62	69	OM	.158	84	92	100	100	94	7	RAIN
20	.29	0	.00M	.00M	68	62	65	OM	.049	96	92	81	90	90	17	RAIN
21	.00T	1	.00M	.00M	78	62	70	64	.117	97	98	60	85	85	6	DEW RAIN
22	.00T	2	.00M	.00M	86	66	76	68	.242	97	98	79	82	89	5	DEW RAIN
23	.00T	3	.00M	.00M	77	67	72	75	.133	100	100	46	72	80	13	RAIN
24	.00T	4	.00M	.00M	87	61	74	52	.255	86	80	54	59	70	2	RAIN
25	.00	5	.00M	.00M	85	54	70	60	.301	76	61	30	58	56	9	DEW FOG
26	.00	6	.00M	.00M	85	56	71	54	.331	69	52	42	61	56	11	DEW
27	.00	7	.00M	.00M	85	56	71	76	.302	86	61	41	49	59	7	DEW
28	.00	8	.00M	.00M	85	56	71	46	.395	59	56	28	59	51	0	
29	.00	9	.00M	.00M	85	58	72	37	.280	74	95	57	95	80	3	RAIN
30	.15	10	.00M	.00M	84	62	73	58	.287	100	90	57	72	80	14	RAIN
31	.00T	11	.00M	.00M	83	60	72	46	.248	77	62	41	55	59	1	RAIN
TOTAL	1.70							1748	6.903							
MEAN			.000		82.0	58.3	70.2	65	.223	84	81	54	70	72	7	

NORMAL PRECIPITATION FOR MONTH IS 3.90 INCHES; 24 HOUR MAXIMUM = .96 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 6; OF 0.50 OR MORE 1; OF 1.00 OR MORE 0

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.
M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.
OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - MAY 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL			SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS		
	6PM TO 6AM	6AM TO 6PM	MAX GUST	MINS. OF SUNSHINE	PERCENT OF SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT	
	DIR.	DIR.	HR. SPEED					MAX	MIN	MEAN	MAX	MIN	S	ES			
1	S																
2	S	S	9	12:00	25	544	67.3	545	OM	30.08	30.03	30.05					
3	S	S	2	11:00	16	293	36.2	409	OM	30.05	29.90	29.97					
4	S	V	5	11:00	30	OM	OM	151	OM	29.90	29.77	29.83					
5	W	NW	4	12:00	21	776	95.6	624	OM	29.96	29.86	29.91					
6	NW	NW	2	15:00	25	772	94.8	621	OM	30.04	29.95	30.00					
7	N	SE	4	9:00	16	778	95.3	665	OM	30.15	30.04	30.09					
8	V	S	1	15:00	27	772	94.4	651	OM	30.13	30.01	30.07					
9	SW	SW	4	21:00	21	491	60.0	482	OM	30.02	29.90	29.96					
10	N	V	8	7:00	17	787	95.9	666	OM	30.08	29.99	30.03					
11	E	E	4	16:00	30	404	49.1	419	OM	30.16	30.05	30.10					
12	E	SE	3	8:00	12	162	19.7	253	OM	30.21	30.12	30.16					
13	V	SE	1	12:00	15	OM	OM	437	OM	30.15	30.05	30.10					
14	V	SW	2	12:00	15	746	90.2	544	OM	30.11	30.06	30.08					
15	V	SW	1	13:00	23	736	88.9	625	OM	30.09	29.98	30.03					
16	S	S	2	10:00	18	550	66.3	383	OM	30.02	29.73	29.87					
17	S	NW	5	3:00	33	31	3.7	354	OM	30.02	29.73	29.87					
18	NW	NE	4	9:00	18	510	61.2	532	OM	30.12	30.00	30.06					
19	E	SE	6	23:00	23	OM	OM	317	OM	30.20	30.06	30.13					
20	SE	SE	8	7:00	23	7	.8	141	OM	30.16	30.04	30.10					
21	V	SE	3	15:00	21	71	8.5	277	OM	30.18	30.03	30.11					
22	SE	S	3	11:00	21	325	38.8	501	OM	30.10	29.98	30.04					
23	S	S	2	12:00	25	55	6.6	264	OM	30.02	29.90	29.96					
24	S	W	2	13:00	16	465	55.4	555	OM	29.98	29.90	29.94					
25	N	NW	3	12:00	23	616	73.2	610	OM	30.02	29.93	29.97					
26	N	NW	3	12:00	23	787	93.5	702	OM	30.00	29.92	29.96					
27	N	NW	3	16:00	23	668	79.3	632	OM	29.97	29.88	29.92					
28	NE	N	8	14:00	18	769	91.1	678	OM	30.04	29.95	30.00					
29	NE	S	4	12:00	13	757	89.6	677	OM	30.04	29.91	29.97					
30	V	SW	1	13:00	17	307	36.3	526	OM	29.93	29.80	29.86					
31	V	W	1	11:00	12	395	46.6	473	OM	29.81	29.71	29.76					
31	N	NW	4	12:00	19	644	76.0	634	OM	29.82	29.73	29.77					
TOTAL						14218		15348	0								
MEAN		3	6	21	508			495	0	30.05	29.93	29.99	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
MAY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	81	55	68	91	1942	38	1908
2	81	55	68	93	1927	38	1909
3	81	55	68	92	1948	42	1925
4	82	56	69	92	1930	40	1971
5	82	56	69	95	1930	43	1945
6	82	56	69	92	1952	43	1944
7	82	56	69	93	1952	37	1944
8	82	57	70	94	1952	38	1958
9	83	57	70	94	1922	37	1960
10	83	57	70	95	1922	39	1923
11	83	57	70	96	1916	46	1909
12	83	57	70	96	1916	42	1952
13	84	58	71	95	1962	35	1960
14	84	58	71	92	1962	40	1960
15	84	58	71	92	1944	44	1959
16	84	58	71	92	1963	44	1927
17	85	59	72	96	1962	41	1956
18	85	59	72	92	1963	47	1945
19	85	59	72	98	1962	48	1976
20	85	59	72	98	1962	48	1976
21	85	60	73	97	1962	43	1954
22	86	60	73	97	1962	45	1954
23	86	60	73	97	1908	52	1931
24	86	60	73	96	1941	47	1931
25	86	61	74	95	1956	47	1931
26	87	61	74	97	1941	43	1979
27	87	61	74	97	1916	43	1961
28	87	62	75	97	1941	44	1961
29	87	62	75	97	1941	46	1961
30	87	62	75	98	1937	52	1971
31	88	62	75	98	1911	52	1930

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - JUNE 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA											(IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES								
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN						
1	83	59	71	-5	0	26	16	OM	99	62	99	62	81	OM	OM	OM	98	70	84	93	70	82	87	72	80						
2	78	53	66	-10	0	21	11	OM	91	51	96	53	75	OM	OM	OM	93	67	80	89	69	79	85	73	79						
3	83	60	72	-4	0	27	17	OM	99	60	101	62	82	OM	OM	OM	100	71	86	95	70	83	88	73	81						
4	88	64	76	0	0	31	21	OM	102	65	104	65	85	OM	OM	OM	101	74	88	96	74	85	90	77	84						
5	84	62	73	-4	0	28	18	OM	98	63	99	64	82	OM	OM	OM	97	74	86	92	75	84	87	77	82						
6	84	62	73	-4	0	28	18	OM	98	62	100	63	82	OM	OM	OM	96	73	85	91	75	83	86	75	81						
7	82	65	74	-3	0	29	19	OM	97	67	98	67	83	OM	OM	OM	95	73	84	90	74	82	86	76	81						
8	72	58	65	-12	0	20	10	OM	78	57	79	59	69	OM	OM	OM	77	66	72	76	68	72	76	60	68						
9	80	59	70	-7	0	25	15	OM	97	59	95	59	77	OM	OM	OM	89	66	78	86	68	77	81	70	76						
10	82	61	72	-5	0	27	17	OM	96	60	98	60	79	OM	OM	OM	92	66	79	86	68	77	81	70	76						
11	82	59	71	-6	0	26	16	OM	92	58	96	58	77	OM	OM	OM	94	66	80	89	68	79	84	70	77						
12	83	61	72	-6	0	27	17	OM	94	61	101	62	82	OM	OM	OM	97	69	83	92	70	81	86	71	79						
13	83	63	73	-5	0	28	18	OM	92	63	100	63	82	OM	OM	OM	99	71	85	94	71	83	88	74	81						
14	84	61	73	-5	0	28	18	OM	95	61	102	62	82	OM	OM	OM	102	73	88	97	73	85	90	75	83						
15	86	56	71	-7	0	26	16	OM	97	54	103	57	80	OM	OM	OM	102	71	87	97	73	85	91	76	84						
16	88	61	75	-3	0	30	20	OM	101	62	103	62	83	OM	OM	OM	102	74	88	97	74	86	91	76	84						
17	90	67	79	1	0	34	24	OM	104	68	106	69	88	OM	OM	OM	103	76	90	98	76	87	91	77	84						
18	85	65	75	-3	0	30	20	OM	92	67	95	67	81	OM	OM	OM	95	74	85	92	75	84	88	77	83						
19	83	65	74	-4	0	29	19	OM	94	67	97	67	82	OM	OM	OM	90	72	81	87	73	80	83	75	79						
20	82	65	74	-5	0	29	19	OM	92	67	91	67	79	OM	OM	OM	86	71	79	82	71	77	79	73	76						
21	82	67	75	-4	0	30	20	OM	92	69	95	69	82	OM	OM	OM	90	73	82	85	72	79	81	73	77						
22	79	67	73	-6	0	28	18	OM	86	70	88	70	79	OM	OM	OM	83	73	78	81	73	77	79	74	77						
23	87	69	78	-1	0	33	23	OM	98	72	102	72	87	OM	OM	OM	93	74	84	89	74	82	83	74	79						
24	78	65	72	-7	0	27	17	OM	87	66	90	66	78	OM	OM	OM	85	72	79	82	72	77	79	74	77						
25	86	64	75	-4	0	30	20	OM	98	66	103	66	85	OM	OM	OM	100	74	87	93	73	83	87	74	81						
26	89	66	78	-1	0	33	23	OM	105	67	99	67	83	OM	OM	OM	97	75	86	94	76	85	88	77	83						
27	88	65	77	-2	0	32	22	OM	107	67	105	67	86	OM	OM	OM	99	75	87	95	76	86	89	77	83						
28	84	69	77	-2	0	32	22	OM	100	71	100	71	86	OM	OM	OM	94	76	85	88	76	82	83	76	80						
29	77	67	72	-8	0	27	17	OM	85	70	86	70	78	OM	OM	OM	84	74	79	81	74	78	79	75	77						
30	83	68	76	-4	0	31	21	OM	99	71	97	71	84	OM	OM	OM	90	75	83	85	75	80	80	75	78						

TOTAL 0 852 552 0 2865 1923

MEAN 83.2 63.1 73.1 -4.6 0 28.4 18.4 0 95.5 64.1 97.6 64.6 81.1 0 0 0 94.1 71.9 83.0 89.7 72.5 81.1 84.9 73.9 79.4

TEMPERATURE EXTREMES: HIGHEST 90 ON DAYS 17,
 LOWEST 53 ON DAYS 2,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 1 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - JUNE 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING			
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	NEAN	HRS	SOURCE
1	.00T	12	.00M	.00M	84	59	72	71	.329	76	80	47	67	68	1	RAIN
2	.00	13	.00M	.00M	80	57	69	45	.239	85	67	38	67	64	1	DEW
3	.00	14	.00M	.00M	88	59	74	48	.274	76	88	41	66	68	0	
4	.09	15	.00M	.00M	89	63	76	81	.295	88	96	52	84	80	6	RAIN
5	.00	16	.00M	.00M	86	63	75	55	.203	100	100	59	81	85	11	DEW FOG
6	.00T	17	.00M	.00M	86	65	76	39	.156	100	96	60	94	88	7	DEW FOG RAIN
7	.48	0	.00M	.00M	84	64	74	53	.212	100	100	100	98	100	18	RAIN
8	.57	0	.00M	.00M	68	59	64	30	.088	100	89	55	75	80	16	RAIN FOG
9	.00	1	.00M	.00M	85	60	73	51	.258	84	91	59	79	78	1	DEW
10	.00	2	.00M	.00M	86	60	73	61	.234	75	72	47	54	62	0	
11	.00	3	.00M	.00M	85	60	73	65	.314	65	80	47	55	62	1	DEW
12	.00	4	.00M	.00M	87	61	74	69	.332	65	78	46	57	62	0	
13	.00	5	.00M	.00M	86	61	74	74	.376	61	61	40	53	54	0	
14	.00	6	.00M	.00M	88	62	75	68	.366	57	76	45	71	62	0	
15	.00	7	.00M	.00M	89	61	75	32	.258	75	55	32	62	56	0	
16	.00	8	.00M	.00M	88	63	76	32	.262	100	76	37	85	75	8	DEW
17	.00	9	.00M	.00M	88	67	78	43	.173	93	78	67	80	80	7	DEW
18	.23	0	.00M	.00M	83	63	73	56	.205	100	94	64	91	87	11	RAIN
19	.42	0	.00M	.00M	82	63	73	56	.239	100	90	87	100	94	10	RAIN
20	.47	0	.00M	.00M	75	62	69	41	.136	100	98	69	91	90	15	RAIN
21	.00T	1	.00M	.00M	83	63	73	59	.200	97	90	74	91	88	0	
22	.01	2	.00M	.00M	78	66	72	71	.137	100	100	68	87	89	5	DEW RAIN
23	.02	3	.00M	.00M	87	66	77	63	.165	98	99	85	93	94	0	
24	.01	4	.00M	.00M	78	65	72	54	.130	100	93	56	75	81	6	DEW RAIN
25	.00T	5	.00M	.00M	89	67	78	41	.296	100	83	58	89	83	4	DEW
26	.00T	6	.00M	.00M	89	70	80	26	.197	100	100	63	99	91	7	DEW
27	.08	7	.00M	.00M	89	70	80	49	.152	100	100	99	100	100	14	RAIN
28	.21	0	.00M	.00M	89	70	80	49	.152	100	100	99	100	100	16	RAIN DEW
29	1.34	0	.00M	.00M	81	75	78	39	.097	100	100	100	100	100	22	RAIN
30	1.05	0	.00M	.00M	83	75	79	50	.000M	100	100	70	89	90	14	DEW RAIN
TOTAL	4.98							1567	6.535							
MEAN			.000		84.6	64.2	74.4	52	.225	90	88	61	81	80	7	

NORMAL PRECIPITATION FOR MONTH IS 4.25 INCHES; 24 HOUR MAXIMUM = 1.34 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 13; OF 0.50 OR MORE 3; OF 1.00 OR MORE 2

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.
 N = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.
 OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - JUNE 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MINS. OF SUN-SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED					MAX HR.	GUST SPEED	MAX	MIN	MEAN				
1	N	5	NE	7	11:00	19	370	43.6	487	OM	29.98	29.80	29.89				
2	V	2	V	5	11:00	13	788	92.7	662	OM	30.08	29.98	30.03				
3	V	2	S	7	13:00	21	562	66.0	597	OM	30.02	29.91	29.96				
4	SW	4	SW	7	6:00	32	288	33.8	470	OM	29.99	29.88	29.93				
5	V	1	V	3	20:00	16	215	25.2	378	OM	29.96	29.84	29.90				
6	V	1	SW	6	13:00	15	226	26.5	437	OM	29.91	29.84	29.87				
7	V	2	N	5	8:00	13	82	9.6	130	OM	29.89	29.80	29.84				
8	V	1	NW	5	10:00	13	646	75.6	613	OM	29.96	29.86	29.91				
9	N	3	E	6	15:00	15	412	48.2	523	OM	30.06	29.93	30.00				
10	NE	3	NE	3	11:00	17	718	84.0	627	OM	30.18	30.06	30.12				
11	NE	6	E	6	11:00	17	737	86.1	656	OM	30.18	30.08	30.13				
12	NE	4	NE	7	9:00	19	744	86.9	666	OM	30.16	30.06	30.11				
13	NE	4	NE	7	8:00	19	774	90.4	680	OM	30.12	30.01	30.06				
14	NE	3	NE	4	15:00	15	521	60.8	592	OM	30.10	29.98	30.04				
15	V	1	V	3	14:00	12	493	57.5	574	OM	30.02	29.93	29.97				
16	V	1	S	3	13:00	12	476	55.5	495	OM	30.04	29.96	30.00				
17	V	3	SE	4	19:00	16	97	11.3	391	OM	30.06	29.98	30.02				
18	V	4	SE	5	20:00	17	35	4.1	353	OM	30.03	29.95	29.99				
19	NE	4	V	3	12:00	23	5	.6	243	OM	30.02	29.98	30.00				
20	NE	4	SE	5	13:00	15	45	5.2	425	OM	30.03	29.98	30.00				
21	NE	3	E	6	11:00	17	90	10.5	277	OM	30.03	29.96	30.00				
22	SE	4	E	3	17:00	19	209	24.4	407	OM	30.03	29.94	29.98				
23	NE	6	NE	6	15:00	19	21	2.4	239	OM	30.11	30.03	30.07				
24	NE	3	SE	5	11:00	14	617	71.9	627	OM	30.10	29.96	30.03				
25	V	1	V	3	18:00	13	444	51.8	480	OM	30.01	29.92	29.97				
26	V	0	SW	3	19:00	19	313	36.5	457	OM	30.08	29.99	30.03				
27	V	2	SE	4	14:00	25	118	13.8	327	OM	30.12	30.04	30.08				
28	V	2	S	3	17:00	18	18	2.1	177	OM	30.09	30.02	30.05				
29	S	2	S	4	13:00	21	119	13.9	334	OM	30.05	29.99	30.02				
30	SE	3	SW	5	14:00	15	511	59.6	558	OM	30.10	30.01	30.05				
TOTAL							10694		13882	0							
MEAN	3		5		17	356		463		0	30.05	29.96	30.00	.0		.0	

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS, (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JUNE

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	88	63	76	97 1953	46 1972
2	88	63	76	98 1953	51 1931
3	88	63	76	99 1911	39 1956
4	88	63	76	99 1936	54 1954
5	89	64	77	101 1936	47 1954
6	89	64	77	99 1943	53 1954
7	89	64	77	102 1933	54 1926
8	89	64	77	99 1933	51 1955
9	89	65	77	99 1963	54 1977
10	89	65	77	99 1954	52 1913
11	89	65	77	100 1920	52 1913
12	90	65	78	101 1963	54 1960
13	90	65	78	98 1958	55 1955
14	90	66	78	101 1963	56 1960
15	90	66	78	102 1963	56 1983
16	90	66	78	103 1963	57 1960
17	90	66	78	100 1944	57 1961
18	90	66	78	104 1944	57 1961
19	90	66	78	107 1933	58 1961
20	90	67	79	106 1933	57 1965
21	90	67	79	106 1933	59 1944
22	91	67	79	102 1930	58 1976
23	91	67	79	102 1944	54 1972
24	91	67	79	104 1930	55 1972
25	91	67	79	102 1914	55 1972
26	91	67	79	103 1914	57 1940
27	91	67	79	102 1954	59 1974
28	91	67	79	104 1954	56 1958
29	91	68	80	105 1954	58 1961
30	91	68	80	101 1978	55 1923

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - JULY 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA											(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS		5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES								
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN					
1	87	69	78	-2	0	33	23	OM	102	71	100	71	86	OM	OM	OM	93	77	85	91	76	84	85	75	80							
2	89	65	77	-3	0	32	22	OM	103	67	102	67	85	OM	OM	OM	96	75	86	94	76	85	88	77	83							
3	89	67	78	-2	0	33	23	OM	104	69	99	69	84	OM	OM	OM	97	76	87	94	76	85	88	77	83							
4	89	68	79	-1	0	34	24	OM	105	70	101	70	86	OM	OM	OM	99	77	88	96	78	87	90	78	84							
5	88	66	77	-2	0	32	22	OM	106	68	103	68	86	OM	OM	OM	100	76	88	96	78	87	90	79	85							
6	85	67	76	-3	0	31	21	OM	103	70	99	69	84	OM	OM	OM	96	75	86	90	75	83	85	76	81							
7	85	65	75	-4	0	30	20	OM	101	66	100	66	83	OM	OM	OM	97	71	84	93	73	83	87	75	81							
8	87	66	77	-3	0	32	22	OM	99	67	102	66	84	OM	OM	OM	97	73	85	93	74	84	87	75	81							
9	85	58	72	-8	0	27	17	OM	98	58	104	59	82	OM	OM	OM	99	71	85	94	73	84	89	76	83							
10	88	66	77	-3	0	32	22	OM	101	66	104	66	85	OM	OM	OM	101	74	88	96	74	85	90	76	83							
11	89	64	77	-3	0	32	22	OM	104	63	105	65	85	OM	OM	OM	105	76	91	99	77	88	93	78	86							
12	92	67	80	0	0	35	25	OM	106	68	108	69	89	OM	OM	OM	102	78	90	99	78	89	93	80	87							
13	91	68	80	0	0	35	25	OM	108	70	104	70	87	OM	OM	OM	102	79	91	97	80	89	92	80	86							
14	90	70	80	0	0	35	25	OM	107	70	105	71	88	OM	OM	OM	101	80	91	97	80	89	92	81	87							
15	93	70	82	2	0	37	27	OM	107	72	108	72	90	OM	OM	OM	101	78	90	97	79	88	91	79	85							
16	94	68	81	1	0	36	26	OM	109	69	109	69	89	OM	OM	OM	101	80	91	98	80	89	93	80	87							
17	93	68	81	1	0	36	26	OM	107	70	107	70	89	OM	OM	OM	101	77	89	99	78	89	93	79	86							
18	89	66	78	-2	0	33	23	OM	106	68	104	67	86	OM	OM	OM	99	75	87	96	76	86	90	78	84							
19	89	66	78	-2	0	33	23	OM	105	68	104	68	86	OM	OM	OM	100	75	88	96	76	86	90	76	83							
20	92	71	82	2	0	37	27	OM	108	73	106	73	90	OM	OM	OM	101	76	89	97	77	87	89	76	83							
21	96	70	83	3	0	38	28	OM	107	72	106	71	89	OM	OM	OM	100	79	90	97	78	88	91	78	85							
22	94	73	84	4	0	39	29	OM	107	74	105	74	90	OM	OM	OM	102	81	92	99	81	90	93	81	87							
23	93	74	84	4	0	39	29	OM	105	74	104	75	90	OM	OM	OM	103	82	93	100	83	92	95	81	88							
24	93	74	84	4	0	39	29	OM	107	74	104	74	89	OM	OM	OM	102	83	93	100	83	92	95	81	88							
25	94	73	84	4	0	39	29	OM	109	73	107	74	91	OM	OM	OM	101	83	92	99	84	92	95	84	90							
26	94	74	84	4	0	39	29	OM	107	73	107	73	90	OM	OM	OM	102	84	93	100	85	93	96	84	90							
27	95	72	84	4	0	39	29	OM	108	73	105	74	90	OM	OM	OM	104	81	93	102	82	92	96	81	89							
28	91	70	81	1	0	36	26	OM	105	69	102	69	86	OM	OM	OM	99	77	88	96	78	87	90	79	85							
29	91	70	81	1	0	36	26	OM	105	69	107	69	88	OM	OM	OM	104	78	91	99	79	89	92	79	86							
30	91	70	81	1	0	36	26	OM	105	69	106	69	88	OM	OM	OM	106	79	93	101	79	90	93	79	86							
31	91	70	81	1	0	36	26	OM	106	71	109	71	90	OM	OM	OM	106	81	94	102	81	92	94	80	87							

TOTAL 0 1081 771 0 3260 2153
 MEAN 90.5 68.5 79.5 -1.1 0 34.9 24.9 0.0105.2 69.5104.4 69.6 87.0 .0 .0 .0100.5 77.6 89.1 97.0 78.3 87.6 91.1 78.6 84.9

TEMPERATURE EXTREMES: HIGHEST 96 ON DAYS 21,
 LOWEST 58 ON DAYS 9.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 18 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

1 = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - JULY 1983.

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER TEMP (DEG F) MAX	MIN	MEAN	AIR MILES MOVEMENT	INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	.00	1	.00M	.00M	94	76	85	41	.239	100	96	59	77	83	3	DEW
2	.03	2	.00M	.00M	95	78	87	48	.293	100	90	60	81	83	8	RAIN
3	.00	3	.00M	.00M	96	78	87	40	.283	100	89	58	89	84	1	DEW
4	.04	4	.00M	.00M	98	79	89	36	.260	100	100	63	77	85	11	DEW RAIN
5	.00	5	.00M	.00M	97	72	85	40	.325	93	93	84	100	93	1	RAIN
6	.27	0	.00M	.00M	92	76	84	53	.136	100	93	47	64	76	17	RAIN
7	.00	1	.00M	.00M	93	63	78	64	.353	84	78	56	68	72	0	
8	.00	2	.00M	.00M	87	65	76	73	.315	81	78	50	74	71	0	
9	.00	3	.00M	.00M	87	63	75	43	.291	90	69	46	65	68	0	
10	.00	4	.00M	.00M	88	65	77	38	.289	85	77	48	65	69	0	
11	.00	5	.00M	.00M	91	66	79	36	.311	75	74	47	74	68	1	DEW
12	.00	6	.00M	.00M	91	68	80	20	.214	91	85	51	78	76	13	DEW
13	.00	7	.00M	.00M	90	69	80	30	.222	89	90	56	76	78	12	DEW
14	.00T	8	.00M	.00M	90	70	80	34	.220	90	89	53	92	81	13	DEW RAIN
15	.03	9	.00M	.00M	90	69	80	37	.182	96	84	49	70	75	15	DEW RAIN
16	.00	10	.00M	.00M	92	69	81	31	.172	82	79	49	93	76	2	DEW
17	.14	11	.00M	.00M	89	69	79	31	.243	100	91	65	97	88	16	RAIN
18	.06	12	.00M	.00M	88	66	77	45	.248	100	98	62	94	89	14	RAIN DEW
19	.08	13	.00M	.00M	90	76	83	45	.212	98	92	59	80	82	14	DEW RAIN
20	.42	0	.00M	.00M	89	67	78	50	.331	90	81	53	70	74	1	RAIN
21	.00	1	.00M	.00M	91	70	81	31	.264	96	87	65	77	81	6	DEW
22	.00	2	.00M	.00M	91	72	82	44	.272	95	90	60	85	83	7	DEW
23	.00T	3	.00M	.00M	91	72	82	45	.246	92	90	56	72	78	8	DEW RAIN
24	.00	4	.00M	.00M	91	72	82	54	.287	92	86	59	72	77	5	DEW
25	.00	5	.00M	.00M	88	71	80	62	.286	88	85	53	75	75	3	DEW
26	.00	6	.00M	.00M	90	71	81	61	.311	96	74	55	87	78	6	DEW
27	.62	0	.00M	.00M	89	65	77	52	.232	98	93	59	75	81	13	RAIN
28	.00	1	.00M	.00M	OM	OM	OM	67	.316	75	80	41	51	62	0	
29	.00	2	.00M	.00M	OM	OM	OM	69	.352	73	68	40	47	57	0	
30	.00	3	.00M	.00M	OM	OM	OM	69	.360	79	80	38	61	65	0	
31	.00	4	.00M	.00M	OM	OM	OM	79	.351	88	87	95	95	91	0	
TOTAL	1.69							1468	8.416							
MEAN			.000		91.0	70.3	80.6	47	.271	91	85	56	77	77	6	

NORMAL PRECIPITATION FOR MONTH IS 5.38 INCHES; 24 HOUR MAXIMUM = .62 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 9; OF 0.50 OR MORE 1; OF 1.00 OR MORE 0

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - JULY 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL					SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX GUST	MINS. OF SUN-	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHT- A NING Y STROK-	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF -AGE FRONT	
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED	HR. SPEED	SHINE	SUNSHINE	RAD.	RAD.	MAX	MIN	MEAN	MAX	MIN	S	ES		
1	V	1	W	4	19:00	24	611	71.4	629	OM	30.14	30.03	30.08					
2	V	3	NW	5	12:00	17	762	89.0	667	OM	30.15	30.05	30.10					
3	V	1	SW	4	10:00	15	737	86.3	649	OM	30.17	30.08	30.12					
4	V	1	SW	5	16:00	15	607	71.1	620	OM	30.17	30.06	30.11					
5	V	1	V	4	12:00	23	345	40.4	346	OM	30.09	30.00	30.05					
6	NW	3	NW	6	14:00	19	693	81.2	665	OM	30.06	30.02	30.04					
7	N	6	NE	7	11:00	18	514	60.3	584	OM	30.19	30.06	30.12					
8	NE	4	NE	7	10:00	21	656	77.0	613	OM	30.26	30.16	30.21					
9	NE	2	N	5	12:00	16	635	74.6	630	OM	30.19	30.05	30.11					
10	N	2	NW	5	11:00	13	719	84.6	648	OM	30.06	30.00	30.03					
11	N	2	V	3	11:00	10	360	42.4	528	OM	30.09	30.00	30.05					
12	V	0	SW	3	16:00	12	OM	.OM	472	OM	30.11	30.05	30.08					
13	V	1	V	5	11:00	14	367	43.3	496	OM	30.16	30.09	30.12					
14	V	2	NW	5	15:00	23	246	29.0	390	OM	30.15	30.04	30.09					
15	V	2	V	4	19:00	19	459	54.3	508	OM	30.17	29.96	30.06					
16	V	2	V	3	16:00	36	360	42.7	457	OM	30.06	29.99	30.02					
17	V	1	SW	6	17:00	21	367	43.5	460	OM	30.09	30.03	30.06					
18	V	1	NW	3	15:00	17	297	35.3	439	OM	30.13	30.05	30.09					
19	NW	2	NW	5	15:00	33	586	69.6	525	OM	30.13	30.05	30.09					
20	N	4	NW	4	13:00	12	592	70.5	551	OM	30.16	30.06	30.11					
21	V	1	W	4	15:00	21	569	67.8	556	OM	30.17	30.06	30.11					
22	V	2	W	6	17:00	18	477	56.9	517	OM	30.13	30.02	30.07					
23	V	2	W	6	17:00	18	585	69.9	543	OM	30.08	30.00	30.04					
24	W	3	NW	8	15:00	18	575	69.9	531	OM	30.03	29.95	29.99					
25	V	2	W	8	13:00	21	658	78.9	551	OM	30.03	29.93	29.98					
26	V	2	NW	5	20:00	27	406	48.7	505	OM	30.01	29.93	29.97					
27	V	2	SE	6	10:00	15	443	53.3	497	OM	30.11	29.98	30.04					
28	E	4	E	6	14:00	21	711	85.7	610	OM	30.18	30.11	30.14					
29	E	5	NE	8	12:00	25	772	93.2	635	OM	30.23	30.14	30.19					
30	NE	3	NE	8	10:00	23	741	89.6	629	OM	30.20	30.10	30.15					
31	E	4	V	4	12:00	21	224	27.1	267	OM	30.18	30.11	30.14					
TOTAL							16074		16718	0								
MEAN		2		5		20	536		539	0	30.13	30.04	30.08	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.
WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.
WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JULY

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	91	68	80	102	1954	56	1958
2	91	68	80	102	1954	59	1924
3	91	68	80	101	1925	61	1924
4	91	68	80	99	1954	63	1947
5	90	68	79	100	1930	59	1922
6	90	68	79	101	1930	60	1972
7	90	68	79	103	1930	62	1955
8	91	68	80	105	1930	63	1947
9	91	68	80	105	1930	58	1983
10	91	68	80	107	1930	57	1947
11	91	68	80	108	1930	56	1963
12	91	68	80	107	1930	60	1953
13	91	68	80	103	1930	61	1947
14	91	68	80	102	1939	59	1967
15	91	68	80	103	1980	54	1967
16	91	68	80	102	1932	57	1926
17	91	68	80	100	1980	61	1926
18	91	68	80	103	1939	61	1926
19	91	68	80	104	1939	59	1923
20	91	68	80	99	1942	64	1923
21	91	69	80	101	1934	62	1923
22	91	69	80	101	1934	57	1947
23	91	69	80	100	1930	59	1947
24	91	69	80	105	1952	64	1963
25	91	69	80	106	1952	63	1947
26	91	69	80	105	1952	63	1911
27	91	69	80	99	1944	62	1911
28	91	69	80	100	1952	63	1911
29	91	69	80	103	1952	62	1924
30	91	68	80	103	1952	62	1924
31	91	68	80	99	1921	61	1936

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - AUGUST 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES		
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	86	68	77	-3	0	32	22	OM	104	69	102	69	86	OM	OM	OM	98	76	87	93	77	85	88	76	82
2	90	69	80	0	0	35	25	OM	109	70	108	71	90	OM	OM	OM	96	76	86	91	76	84	85	73	79
3	85	70	78	-2	0	33	23	OM	99	70	96	71	84	OM	OM	OM	91	76	84	87	76	82	82	73	78
4	89	69	79	-1	0	34	24	OM	109	69	104	70	87	OM	OM	OM	95	76	86	91	76	84	87	75	81
5	91	69	80	0	0	35	25	OM	103	69	102	70	86	OM	OM	OM	94	76	85	90	76	83	90	76	83
6	91	70	81	1	0	36	26	OM	102	70	98	70	84	OM	OM	OM	91	76	84	86	76	81	83	77	80
7	92	67	80	0	0	35	25	OM	106	67	103	68	86	OM	OM	OM	96	75	86	92	76	84	88	77	83
8	91	70	81	1	0	36	26	OM	108	70	103	71	87	OM	OM	OM	96	77	87	94	76	85	89	77	83
9	90	70	80	0	0	35	25	OM	106	70	104	72	88	OM	OM	OM	97	78	88	93	78	86	88	79	84
10	92	72	82	2	0	37	27	OM	107	72	104	72	88	OM	OM	OM	99	79	89	96	79	88	92	79	86
11	93	71	82	2	0	37	27	OM	107	70	106	70	88	OM	OM	OM	98	78	88	95	79	87	92	81	87
12	91	70	81	1	0	36	26	OM	104	70	102	71	87	OM	OM	OM	100	78	89	96	78	87	92	80	86
13	89	71	80	0	0	35	25	OM	103	71	102	72	87	OM	OM	OM	100	79	90	97	79	88	93	80	87
14	91	69	80	0	0	35	25	OM	105	68	103	69	86	OM	OM	OM	102	77	90	98	78	88	94	81	88
15	87	65	76	-4	0	31	21	OM	103	63	103	64	84	OM	OM	OM	103	75	89	98	76	87	93	80	87
16	89	61	75	-5	0	30	20	OM	105	59	104	61	83	OM	OM	OM	105	75	90	100	77	89	94	80	87
17	89	65	77	-3	0	32	22	OM	106	62	103	65	84	OM	OM	OM	104	77	91	99	77	88	94	80	87
18	92	66	79	-1	0	34	24	OM	108	64	110	66	88	OM	OM	OM	104	78	91	100	79	90	95	81	88
19	93	71	82	2	0	37	27	OM	109	68	110	70	90	OM	OM	OM	104	80	92	100	80	90	95	81	88
20	96	72	84	4	0	39	29	OM	110	71	108	72	90	OM	OM	OM	101	82	92	99	82	91	96	83	90
21	99	73	86	6	0	41	31	OM	113	72	110	74	92	OM	OM	OM	104	84	94	101	84	93	98	82	90
22	100	71	86	7	0	41	31	OM	114	70	114	72	93	OM	OM	OM	106	83	95	101	84	93	98	86	92
23	97	67	82	3	0	37	27	OM	112	65	113	67	90	OM	OM	OM	102	80	91	100	82	91	97	85	91
24	96	71	84	5	0	39	29	OM	112	70	109	71	90	OM	OM	OM	106	82	94	102	83	93	99	85	92
25	99	73	86	7	0	41	31	OM	110	73	107	74	91	OM	OM	OM	100	82	91	100	84	92	98	87	93
26	94	71	83	4	0	38	28	OM	108	72	106	72	89	OM	OM	OM	102	79	91	101	81	91	97	83	90
27	90	70	80	1	0	35	25	OM	109	68	102	70	86	OM	OM	OM	98	79	89	96	80	88	91	82	87
28	93	72	83	4	0	38	28	OM	110	71	106	72	89	OM	OM	OM	105	81	93	101	81	91	95	82	89
29	93	71	82	3	0	37	27	OM	104	71	105	72	89	OM	OM	OM	100	76	88	96	78	87	91	80	86
30	95	69	82	3	0	37	27	OM	109	68	106	69	88	OM	OM	OM	102	76	89	92	78	89	91	80	86
31	95	71	83	4	0	38	28	OM	111	72	109	72	91	OM	OM	OM	103	77	90	99	79	89	93	81	87

TOTAL 0 1116 806 0 3325 2134

MEAN 92.2 69.5 80.8 1.5 .0 36.0 26.0 .0107.3 68.8105.2 70.0 87.6 .0 .0 .0100.1 78.2 89.1 96.5 78.9 87.7 92.2 80.1 86.1

TEMPERATURE EXTREMES: HIGHEST 100 ON DAYS 22,
LOWEST 61 ON DAYS 16.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 24 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.

DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - AUGUST 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER TEMP (DEG F) MAX	MIN	MEAN	NILES AIR MOVEMENT	INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	1.30	0	.00M	.00M	OM	OM	OM	48	.211	98	95	58	98	87	19	RAIN
2	.53	0	.00M	.00M	OM	OM	OM	44	.249	99	97	74	83	88	16	RAIN
3	.00T	1	.00M	.00M	OM	OM	OM	44	.156	97	90	66	83	84	7	DEW RAIN
4	.00T	2	.00M	.00M	OM	OM	OM	36	.232	95	92	58	93	85	13	DEW RAIN
5	.00T	3	.00M	.00M	OM	OM	OM	17	.143	100	88	88	97	93	11	DEW
6	.48	0	.00M	.00M	OM	OM	OM	18	.183	100	96	61	81	85	16	DEW RAIN
7	.00T	1	.00H	.00M	OM	OM	OM	29	.213	96	92	57	84	82	4	DEW RAIN
8	.00	2	.00M	.00M	OM	OM	OM	23	.239	97	99	61	82	85	10	DEW FOG
9	.00	3	.00M	.00M	OM	OM	OM	27	.233	84	87	61	82	79	0	
10	.00	4	.00M	.00M	OM	OM	OM	27	.269	85	87	61	85	80	2	DEW
11	.00	5	.00M	.00M	OM	OM	OM	32	.215	96	100	66	91	88	8	DEW FOG
12	.00T	6	.00M	.00M	OM	OM	OM	53	.217	97	94	60	87	85	11	DEW RAIN
13	.00	7	.00M	.00M	OM	OM	OM	55	.254	96	98	56	69	80	14	DEW
14	.00	8	.00M	.00M	OM	OM	OM	40	.234	77	85	55	68	71	0	
15	.00	9	.00M	.00M	OM	OM	OM	65	.266	72	80	42	71	66	0	
16	.00	10	.00M	.00M	OM	OM	OM	30	.197	89	72	41	69	68	4	DEW
17	.00	11	.00M	.00M	OM	OM	OM	22	.240	87	77	42	68	69	4	DEW
18	.00	12	.00M	.00M	OM	OM	OM	20	.255	93	78	42	67	70	5	DEW
19	.00	13	.00M	.00M	OM	OM	OM	25	.249	79	67	43	65	64	0	
20	.00	14	.00M	.00M	OM	OM	OM	32	.281	73	75	45	73	67	0	
21	.00	15	.00M	.00M	OM	OM	OM	19	.241	90	82	49	78	75	5	DEW
22	.00	16	.00M	.00M	OM	OM	OM	23	.220	97	87	51	88	81	7	DEW
23	.00T	17	.00M	.00M	OM	OM	OM	31	.215	94	85	45	66	73	7	DEW RAIN
24	.00	18	.00M	.00M	OM	OM	OM	28	.257	82	79	44	63	67	3	DEW
25	.00	19	.00M	.00M	OM	OM	OM	45	.240	79	83	56	69	72	0	
26	.41	0	.00M	.00M	OM	OM	OM	62	.308	92	86	61	82	80	11	RAIN
27	.00	1	.00M	.00M	OM	OM	OM	43	.232	93	85	52	76	77	5	DEW
28	.00	2	.00M	.00M	OM	OM	OM	31	.286	89	85	65	86	81	3	DEW
29	.18	3	.00M	.00M	OM	OM	OM	44	.181	95	83	53	75	77	5	RAIN
30	.00	4	.00M	.00M	OM	OM	OM	45	.281	95	75	51	90	78	0	
31	.11	5	.00M	.00M	OM	OM	OM	43	.206	92	95	65	87	85	16	RAIN
TOTAL	3.01							1101	7.203							
MEAN			.000		.0	.0	.0	36	.232	91	86	56	79	78	7	

NORMAL PRECIPITATION FOR MONTH IS 4.07 INCHES; 24 HOUR MAXIMUM = 1.30 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 6; OF 0.50 OR MORE 2; OF 1.00 OR MORE 1

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - AUGUST 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS		
	6PM TO 6AM		6AM TO 6PM		MAX GUST		MINS. OF SUNSHINE	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES	MAX	MIN	MEAN	MIXING RATIO**	MAX	MIN	D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT
	DIR.	PREV AVER SPEED	DIR.	PREV AVER SPEED	HR.	SPEED															
1	E	3	V	3	8:00	10	OM	.0M	397	OM	30.20	30.11	30.15								
2	V	3	SE	4	8:00	11	453	55.1	355	OM	30.21	30.14	30.17								
3	E	3	SE	4	12:00	12	566	68.9	515	OM	30.19	30.11	30.15								
4	V	2	V	2	14:00	14	409	49.9	344	OM	30.19	30.09	30.14								
5	V	0	V	2	13:00	14	300	36.7	252	OM	30.17	30.08	30.12								
6	V	1	SW	3	17:00	25	507	62.1	473	OM	30.12	30.00	30.06								
7	V	2	W	3	3:00	14	673	82.6	575	OM	30.06	29.90	29.98								
8	V	1	SW	3	12:00	12	538	66.2	487	OM	30.02	29.94	29.98								
9	V	1	NW	3	16:00	19	624	76.8	573	OM	30.06	29.98	30.02								
10	V	1	SW	4	16:00	14	506	62.5	490	OM	30.10	30.02	30.06								
11	V	1	SW	5	16:00	25	397	49.1	460	OM	30.09	29.98	30.03								
12	SW	2	SW	7	17:00	18	550	68.2	554	OM	30.02	29.90	29.96								
13	V	1	NW	3	12:00	12	430	53.4	462	OM	30.02	29.94	29.98								
14	NE	4	E	6	8:00	17	635	79.1	548	OM	30.11	30.00	30.05								
15	E	4	E	5	14:00	15	731	91.1	608	OM	30.18	30.08	30.13								
16	V	1	V	3	12:00	12	675	84.4	554	OM	30.20	30.10	30.15								
17	V	1	V	3	11:00	12	589	73.8	531	OM	30.16	30.07	30.11								
18	V	1	V	3	13:00	14	719	90.2	501	OM	30.13	30.06	30.09								
19	V	1	NW	4	12:00	14	590	74.2	489	OM	30.14	30.04	30.09								
20	NW	2	V	3	11:00	14	590	74.3	489	OM	30.08	29.98	30.03								
21	V	0	V	3	13:00	15	472	59.6	438	OM	30.05	29.99	30.02								
22	V	1	SE	4	18:00	27	448	56.7	417	OM	30.07	29.98	30.02								
23	V	1	SW	4	13:00	14	698	88.6	557	OM	30.12	30.04	30.08								
24	V	1	V	3	0:00	15	530	67.4	462	OM	30.19	30.10	30.14								
25	NE	2	E	5	21:00	21	535	68.2	471	OM	30.22	30.12	30.17								
26	NE	4	E	5	8:00	15	398	50.8	430	OM	30.19	30.10	30.14								
27	V	1	SW	4	12:00	14	717	91.8	559	OM	30.16	30.05	30.10								
28	V	1	NW	5	10:00	17	357	45.9	337	OM	30.08	29.98	30.03								
29	NW	3	NW	5	12:00	14	581	74.8	512	OM	29.99	29.89	29.94								
30	N	3	V	5	15:00	27	459	59.2	457	OM	29.96	29.88	29.92								
31	E	2	SE	4	18:00	23	419	54.2	462	OM	29.96	29.85	29.90								
TOTAL							16096		14759	0											
MEAN		2		4		16	537		476	0	30.11	30.02	30.06	.0	.0						

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
AUGUST

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	91	69	80	99 1954	62 1936
2	91	68	80	97 1959	59 1925
3	91	68	80	99 1957	63 1965
4	91	68	80	100 1935	60 1923
5	92	68	80	103 1935	59 1950
6	92	68	80	101 1947	57 1948
7	92	68	80	100 1980	60 1948
8	92	68	80	99 1956	61 1948
9	91	68	80	99 1937	60 1976
10	91	68	80	103 1980	60 1908
11	91	68	80	100 1956	61 1954
12	91	68	80	100 1956	61 1931
13	91	68	80	102 1954	59 1979
14	91	68	80	103 1954	59 1979
15	91	68	80	102 1954	58 1963
16	91	68	80	99 1954	61 1983
17	91	68	80	102 1954	62 1979
18	91	68	80	101 1954	60 1948
19	91	68	80	103 1925	63 1976
20	91	68	80	106 1925	60 1961
21	91	68	80	99 1983	58 1927
22	91	67	79	100 1983	58 1961
23	91	67	79	99 1938	59 1931
24	91	67	79	103 1938	58 1953
25	90	67	79	104 1938	58 1953
26	90	67	79	103 1943	59 1952
27	90	67	79	103 1938	56 1952
28	90	67	79	101 1954	56 1952
29	90	67	79	101 1954	57 1968
30	90	67	79	99 1951	58 1968
31	90	67	79	100 1954	56 1946

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - SEPTEMBER 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA								(IN DEGREES FARENHEIT)						SOIL TEMPERATURE DATA										
	150 CM SHELTER TEMPERATURES				DEGREE	DAYS		CHILL	5CM OVER		5CM OVER			SOIL SURFACE			5 CM SOIL			10 CM SOIL			20 CM SOIL		
	MAX	MIN	MEAN	DFN*	BELOW	ABOVE	HRS	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
1	92	69	81	3	0	36	26	OM	110	70	105	70	88	OM	OM	OM	102	75	89	98	77	88	92	80	86
2	81	69	75	-3	0	30	20	OM	93	69	88	69	79	OM	OM	OM	86	74	80	83	74	79	82	76	79
3	77	68	73	-5	0	28	18	OM	82	68	81	69	75	OM	OM	OM	81	73	77	79	74	77	79	75	77
4	85	70	78	0	0	33	23	OM	99	70	98	71	85	OM	OM	OM	89	74	82	86	74	80	81	75	78
5	87	69	78	0	0	33	23	OM	102	67	97	69	83	OM	OM	OM	89	75	82	86	75	81	82	76	79
6	89	65	77	-1	0	32	22	OM	103	64	100	66	83	OM	OM	OM	93	73	83	90	74	82	84	75	80
7	87	67	77	0	0	32	22	OM	105	67	103	68	86	OM	OM	OM	92	73	83	87	74	81	82	75	79
8	88	68	78	1	0	33	23	OM	104	66	99	68	84	OM	OM	OM	89	73	81	87	74	81	82	75	79
9	91	70	81	4	0	36	26	OM	104	70	101	70	86	OM	OM	OM	93	75	84	91	74	83	85	75	80
10	93	71	82	5	0	37	27	OM	105	71	106	71	89	OM	OM	OM	95	76	86	92	76	84	87	77	82
11	94	70	82	5	0	37	27	OM	106	70	107	70	89	OM	OM	OM	99	77	88	96	78	87	89	78	84
12	93	67	80	4	0	35	25	OM	107	69	107	69	88	OM	OM	OM	96	75	86	93	76	85	88	77	83
13	83	68	76	0	0	31	21	OM	93	69	92	69	81	OM	OM	OM	86	74	80	84	74	79	82	75	79
14	74	66	70	-6	0	25	15	OM	77	67	76	66	71	OM	OM	OM	79	71	75	78	71	75	77	73	75
15	82	61	72	-4	0	27	17	OM	93	60	92	61	77	OM	OM	OM	86	67	77	83	69	76	79	71	75
16	81	62	72	-3	0	27	17	OM	95	62	95	61	78	OM	OM	OM	89	68	79	85	69	77	79	71	75
17	85	63	74	-1	0	29	19	OM	101	63	100	63	82	OM	OM	OM	92	70	81	88	70	79	81	72	77
18	87	66	77	2	0	32	22	OM	99	65	99	65	82	OM	OM	OM	92	71	82	89	71	80	83	73	78
19	87	66	77	2	0	32	22	OM	99	67	100	67	84	OM	OM	OM	94	73	84	90	73	82	84	74	79
20	87	69	78	4	0	33	23	OM	101	70	101	70	86	OM	OM	OM	90	74	82	87	74	81	82	75	79
21	83	69	76	2	0	31	21	OM	92	71	91	71	81	OM	OM	OM	87	74	81	84	74	79	80	75	78
22	71	44	58	-16	7	13	3	OM	72	44	72	44	58	OM	OM	OM	75	54	65	75	56	66	75	62	69
23	71	45	58	-15	7	13	3	OM	84	44	82	45	64	OM	OM	OM	80	55	68	76	56	66	72	62	67
24	77	51	64	-9	1	19	9	OM	92	51	88	51	70	OM	OM	OM	85	58	72	81	58	70	75	62	69
25	76	54	65	-8	0	20	10	OM	87	53	89	53	71	OM	OM	OM	86	59	73	81	60	71	76	63	70
26	78	54	66	-6	0	21	11	OM	90	52	92	53	73	OM	OM	OM	89	60	75	83	61	72	77	64	71
27	77	52	65	-7	0	20	10	OM	88	51	90	52	71	OM	OM	OM	89	61	75	83	62	73	77	65	71
28	78	54	66	-6	0	21	11	OM	90	52	92	52	72	OM	OM	OM	89	61	75	83	62	73	78	65	72
29	80	57	69	-2	0	24	14	OM	92	55	93	56	75	OM	OM	OM	89	62	76	83	62	73	78	65	72
30	76	53	65	-6	0	20	10	OM	90	53	88	53	71	OM	OM	OM	83	62	73	79	63	71	75	67	71
TOTAL					15	840	540	0	2855	1870															
MEAN	83.0	62.6	72.8	-2.1	.5	28.0	18.0	.0	95.2	62.3	94.1	62.7	78.4	.0	.0	.0	88.8	68.9	78.8	85.3	69.5	77.4	80.8	71.6	76.2

TEMPERATURE EXTREMES: HIGHEST 94 ON DAYS 11,
 LOWEST 44 ON DAYS 22.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 5 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - SEPTEMBER 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA						VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	MAX	MIN	MEAN	MILES MOVEMENT	AIR INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	.56	0	.00M	.00M	OM	OM	OM	52	.252	95	95	86	87	91	18	RAIN
2	.51	0	.00M	.00M	OM	OM	OM	52	.121	93	96	84	89	91	10	RAIN
3	.02	1	.00M	.00M	OM	OM	OM	52	.074	97	93	65	92	87	12	DEW RAIN FOG
4	1.59	0	.00M	.00M	OM	OM	OM	51	.200	99	100	65	92	89	12	RAIN DEW
5	.23	0	.00M	.00M	OM	OM	OM	34	.230	97	92	66	97	88	12	DEW
6	.19	1	.00M	.00M	OM	OM	OM	38	.202	100	96	75	100	93	16	RAIN DEW
7	.11	2	.00M	.00M	OM	OM	OM	42	.113	100	98	65	85	87	19	RAIN DEW FOG
8	.00	3	.00M	.00M	OM	OM	OM	36	.175	95	87	57	87	82	10	DEW
9	.00	4	.00M	.00M	OM	OM	OM	25	.200	91	85	55	88	80	9	DEW
10	.00	5	.00M	.00M	OM	OM	OM	17	.194	97	83	56	85	80	9	DEW
11	.00	6	.00M	.00M	OM	OM	OM	18	.231	94	83	58	98	83	8	DEW
12	1.97	0	.00M	.00M	OM	OM	OM	34	.132	100	96	69	95	90	17	RAIN
13	.61	0	.00M	.00M	OM	OM	OM	59	.108	98	98	95	98	97	19	RAIN
14	1.05	0	.00M	.00M	OM	OM	OM	62	.071	98	91	58	70	79	18	RAIN
15	.00	1	.00M	.00M	OM	OM	OM	57	.233	80	78	56	74	72	2	DEW
16	.00	2	.00M	.00M	OM	OM	OM	55	.257	83	87	58	90	80	2	DEW
17	.00	3	.00M	.00M	OM	OM	OM	25	.191	97	91	49	90	82	13	DEW FOG
18	.00	4	.00M	.00M	OM	OM	OM	22	.185	94	98	57	82	83	9	DEW FOG
19	.00	5	.00M	.00M	OM	OM	OM	34	.193	98	100	61	96	89	10	DEW FOG
20	.35	0	.00M	.00M	OM	OM	OM	60	.185	98	98	78	98	93	15	RAIN
21	.06	1	.00M	.00M	OM	OM	OM	60	.088	98	97	87	86	92	19	RAIN
22	.05	2	.00M	.00M	OM	OM	OM	78	.082	87	66	35	81	67	3	RAIN
23	.00	3	.00M	.00M	OM	OM	OM	51	.223	77	62	36	61	59	0	
24	.00	4	.00M	.00M	OM	OM	OM	49	.218	68	72	39	65	61	0	
25	.00	5	.00M	.00M	OM	OM	OM	67	.231	70	65	43	67	61	0	
26	.00	6	.00M	.00M	OM	OM	OM	55	.218	61	72	37	81	63	0	
27	.00	7	.00M	.00M	OM	OM	OM	39	.194	95	82	40	59	69	4	DEW
28	.00	8	.00M	.00M	OM	OM	OM	47	.206	76	70	45	70	65	0	
29	.00	9	.00M	.00M	OM	OM	OM	55	.198	79	79	57	77	73	0	
30	.00	10	.00M	.00M	OM	OM	OM	36	.118	74	68	38	79	65	0	
TOTAL	7.30							1362	5.323							
MEAN			.000		.0	.0	.0	45	.177	90	86	59	84	80	9	

NORMAL PRECIPITATION FOR MONTH IS 4.20 INCHES; 24 HOUR MAXIMUM = 1.97 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 13; OF 0.50 OR MORE 6; OF 1.00 OR MORE 3

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.

OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - SEPTEMBER 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX GUST HR. SPEED	MINS. OF SUN- SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG- LEYS* SOLAR RAD.	LANG- LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHT- NING STROK- ES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED						MAX	MIN	MEAN	MAX	MIN				
1	E	4	NE	6	7:00	19	190	24.6	208	OM	29.94	29.86	29.90					
2	NE	4	NE	5	16:00	13	63	8.2	171	OM	29.93	29.88	29.90					
3	NE	4	SE	4	16:00	18	291	37.9	319	OM	30.00	29.91	29.95					
4	E	3	SW	5	14:00	15	434	56.7	384	OM	30.07	29.99	30.03					
5	V	1	S	4	17:00	37	478	62.6	425	OM	30.09	29.99	30.04					
6	V	1	SW	4	14:00	25	327	43.0	310	OM	30.13	30.06	30.09					
7	V	3	NW	5	14:00	16	464	61.1	412	OM	30.17	30.09	30.13					
8	V	1	NW	4	9:00	12	653	86.3	479	OM	30.17	30.07	30.12					
9	N	2	V	2	10:00	9	612	81.0	462	OM	30.18	30.08	30.13					
10	V	1	SW	3	14:00	11	674	89.5	513	OM	30.17	30.08	30.12					
11	V	0	V	2	17:00	25	439	58.5	377	OM	30.11	30.00	30.05					
12	V	1	SE	1	0:00	12	150	20.0	283	OM	30.05	29.96	30.00					
13	E	4	NE	6	17:00	15	0	.0	112	OM	30.00	29.87	29.94					
14	N	2	NW	7	14:00	21	557	74.8	447	OM	30.07	29.90	29.98					
15	NE	4	E	6	8:00	18	601	80.8	507	OM	30.15	30.07	30.11					
16	E	3	SE	3	9:00	14	662	89.3	475	OM	30.15	30.05	30.10					
17	V	1	E	3	14:00	10	667	90.3	464	OM	30.15	30.06	30.11					
18	V	1	SE	4	14:00	14	492	66.7	461	OM	30.17	30.08	30.12					
19	V	1	SE	4	18:00	15	467	63.5	371	OM	30.21	30.11	30.16					
20	SE	3	SE	5	16:00	27	238	32.5	248	OM	30.14	30.01	30.08					
21	SW	3	NW	8	14:00	21	150	20.5	136	OM	30.12	29.96	30.04					
22	NW	4	N	9	9:00	28	704	96.6	553	OM	30.23	30.11	30.17					
23	N	2	N	5	15:00	14	700	96.3	530	OM	30.34	30.25	30.30					
24	NE	5	NE	6	13:00	16	689	94.9	525	OM	30.40	30.31	30.36					
25	NE	5	NE	6	8:00	17	683	94.5	513	OM	30.37	30.26	30.31					
26	NE	4	NE	6	10:00	16	544	75.5	471	OM	30.31	30.20	30.25					
27	N	3	NE	7	12:00	17	680	94.6	490	OM	30.26	30.15	30.20					
28	NE	4	NE	7	15:00	19	644	89.8	469	OM	30.22	30.14	30.18					
29	N	4	NE	5	11:00	16	502	70.2	311	OM	30.23	30.11	30.17					
30	NE	2	NE	4	15:00	14	625	87.7	415	OM	30.19	30.08	30.13					
TOTAL							14380		11841	0								
MEAN	3		5		17	479			395	0	30.16	30.06	30.11	.0	.0			

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.
WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)
** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.
WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
SEPTEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	89	66	78	97 1957	57 1954
2	89	66	78	100 1957	56 1967
3	89	66	78	100 1957	56 1952
4	89	66	78	104 1925	54 1952
5	89	66	78	108 1925	55 1934
6	89	66	78	103 1925	57 1952
7	88	65	77	103 1925	55 1952
8	88	65	77	103 1925	57 1934
9	88	65	77	104 1925	58 1958
10	88	65	77	100 1954	50 1924
11	88	65	77	98 1954	50 1924
12	87	64	76	101 1927	44 1940
13	87	64	76	98 1962	50 1917
14	87	64	76	99 1927	52 1953
15	87	64	76	102 1927	54 1940
16	87	63	75	103 1927	49 1961
17	86	63	75	103 1927	49 1961
18	86	63	75	100 1931	48 1981
19	86	63	75	99 1931	45 1981
20	86	62	74	101 1925	48 1981
21	85	62	74	97 1925	45 1918
22	85	62	74	98 1955	44 1983
23	85	61	73	98 1940	45 1983
24	85	61	73	98 1921	46 1982
25	84	61	73	97 1979	46 1928
26	84	60	72	96 1923	49 1940
27	84	60	72	96 1933	44 1940
28	84	60	72	95 1954	40 1967
29	83	59	71	96 1954	39 1967
30	83	59	71	94 1933	38 1967

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.

NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

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AGROCLIMATOLOGICAL DATA - OCTOBER 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA										(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES								
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN						
1	78	51	65	-6	0	20	10	OM	92	50	90	51	71	OM	OM	OM	89	63	76	84	63	74	78	67	73						
2	82	52	67	-4	0	22	12	OM	94	51	94	51	73	OM	OM	OM	93	63	78	87	64	76	80	67	74						
3	84	57	71	1	0	26	16	OM	97	56	96	56	76	OM	OM	OM	95	65	80	88	65	77	81	68	75						
4	86	64	75	5	0	30	20	OM	98	63	99	63	81	OM	OM	OM	95	68	82	89	67	78	83	69	76						
5	86	68	77	7	0	32	22	OM	99	69	100	70	85	OM	OM	OM	92	73	83	87	73	80	82	74	78						
6	82	58	70	1	0	25	15	OM	92	57	91	58	75	OM	OM	OM	86	65	76	83	66	75	80	70	75						
7	83	57	70	1	0	25	15	OM	96	56	95	56	76	OM	OM	OM	93	64	79	87	66	77	81	68	75						
8	80	63	72	4	0	27	17	OM	93	63	93	63	78	OM	OM	OM	89	65	77	84	66	75	79	68	74						
9	77	59	68	0	0	23	13	OM	91	59	90	59	75	OM	OM	OM	85	66	76	80	66	73	77	69	73						
10	79	62	71	3	0	26	16	OM	88	63	88	64	76	OM	OM	OM	85	67	76	80	67	74	76	69	73						
11	74	59	67	0	0	22	12	OM	81	59	81	60	71	OM	OM	OM	80	65	73	77	65	71	75	68	72						
12	66	60	63	-4	2	18	8	OM	68	60	68	60	64	OM	OM	OM	70	65	68	69	65	67	69	67	68						
13	78	62	70	4	0	25	15	OM	83	63	82	63	73	OM	OM	OM	79	67	73	75	67	71	72	67	70						
14	67	45	56	-10	9	11	1	OM	79	45	74	46	60	OM	OM	OM	72	55	64	70	56	63	69	59	64						
15	67	49	58	-8	7	13	3	OM	79	48	74	48	61	OM	OM	OM	68	54	61	66	55	61	64	58	61						
16	78	54	66	1	0	21	11	OM	73	54	91	54	73	OM	OM	OM	80	56	68	76	56	66	70	58	64						
17	81	57	69	4	0	24	14	OM	97	55	93	56	75	OM	OM	OM	84	60	72	79	60	70	73	61	67						
18	73	60	67	3	0	22	12	OM	83	59	83	59	71	OM	OM	OM	74	61	68	71	61	66	68	62	65						
19	82	61	72	8	0	27	17	OM	99	60	98	59	79	OM	OM	OM	86	63	75	81	63	72	74	64	69						
20	83	60	72	8	0	27	17	OM	100	58	96	58	77	OM	OM	OM	86	63	75	80	64	72	74	66	70						
21	82	63	73	10	0	28	18	OM	96	64	94	64	79	OM	OM	OM	86	64	75	81	64	73	75	65	70						
22	82	56	69	6	0	24	14	OM	95	57	92	58	75	OM	OM	OM	85	64	75	81	64	73	75	67	71						
23	69	57	63	0	2	18	8	OM	76	58	76	58	67	OM	OM	OM	74	64	69	71	64	68	70	65	68						
24	67	56	62	0	3	17	7	OM	71	56	71	57	64	OM	OM	OM	71	62	67	68	62	65	67	63	65						
25	68	50	59	-3	6	14	4	OM	83	49	84	49	67	OM	OM	OM	71	56	64	68	57	63	66	59	63						
26	70	46	58	-4	7	13	3	OM	85	45	80	46	63	OM	OM	OM	73	53	63	70	54	62	65	57	61						
27	68	41	55	-6	10	10	0	OM	82	38	78	38	58	OM	OM	OM	73	50	62	70	51	61	66	55	61						
28	71	39	55	-6	10	10	0	OM	86	38	82	39	61	OM	OM	OM	74	50	62	70	51	61	65	54	60						
29	75	42	59	-1	6	14	4	OM	88	41	86	41	64	OM	OM	OM	78	51	65	73	52	63	67	54	61						
30	80	50	65	5	0	20	10	OM	93	48	90	48	69	OM	OM	OM	80	53	67	74	53	64	68	56	62						
31	76	51	64	4	1	19	9	OM	90	50	88	51	70	OM	OM	OM	80	57	69	75	57	66	69	59	64						

TOTAL 63 653 343 0 2747 1692

MEAN 76.6 55.1 65.9 .7 2.0 21.1 11.1 .0 88.6 54.6 87.0 54.9 71.0 .0 .0 .0 81.5 61.0 71.3 77.2 61.4 69.3 72.8 63.6 68.2

TEMPERATURE EXTREMES: HIGHEST 86 ON DAYS 4, 5;
 LOWEST 39 ON DAYS 28.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 0 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - OCTOBER 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING	
	WATER EQUI- VALENT(IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MILES MEAN	AIR MOVEMENT	INCHES EVAP.	RELATIVE 1 AM	HUMIDITY (%) 7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	.00	11	.00M	.00M	OM	OM	OM	21	.230	97	82	37	85	75	8	DEW
2	.00	12	.00M	.00M	OM	OM	OM	18	.246	98	98	40	88	81	12	DEW
3	.00	13	.00M	.00M	OM	OM	OM	19	.209	97	77	52	92	80	11	DEW FOG
4	.00	14	.00M	.00M	OM	OM	OM	28	.185	95	100	59	86	85	13	DEW FOG
5	.08	15	.00M	.00M	OM	OM	OM	67	.177	98	95	71	83	87	13	RAIN
6	.00	16	.00M	.00M	OM	OM	OM	67	.157	85	82	38	58	66	6	DEW
7	.00	17	.00M	.00M	OM	OM	OM	67	.270	65	64	37	66	58	0	
8	.00	18	.00M	.00M	OM	OM	OM	78	.239	65	70	58	61	64	0	
9	.00	19	.00M	.00M	OM	OM	OM	73	.154	79	75	57	79	73	0	
10	.00	20	.00M	.00M	OM	OM	OM	57	.118	87	90	66	72	79	0	
11	.11	21	.00M	.00M	OM	OM	OM	84	.083	93	92	93	97	94	10	RAIN
12	.14	22	.00M	.00M	OM	OM	OM	69	.028	100	100	82	92	94	24	RAIN
13	1.27	0	.00M	.00M	OM	OM	OM	76	.120	97	97	65	79	85	18	RAIN
14	.00	1	.00M	.00M	OM	OM	OM	56	.109	81	77	50	80	72	6	DEW
15	.00	2	.00M	.00M	OM	OM	OM	49	.125	79	76	55	95	76	0	
16	.00	3	.00M	.00M	OM	OM	OM	42	.165	69	71	47	72	65	1	DEW
17	.00	4	.00M	.00M	OM	OM	OM	70	.187	75	79	88	93	84	0	
18	.00	5	.00M	.00M	OM	OM	OM	52	.079	97	86	58	87	82	9	DEW
19	.00	6	.00M	.00M	OM	OM	OM	40	.142	81	78	53	84	74	0	
20	.00	7	.00M	.00M	OM	OM	OM	37	.145	84	79	54	87	76	1	DEW
21	.00	8	.00M	.00M	OM	OM	OM	74	.174	88	85	66	86	81	0	
22	.00	9	.00M	.00M	OM	OM	OM	97	.134	93	94	76	94	89	5	DEW
23	.70	0	.00M	.00M	OM	OM	OM	94	.080	100	98	88	87	93	11	RAIN
24	.00	1	.00M	.00M	OM	OM	OM	53	.046	93	93	65	90	85	0	
25	.00	2	.00M	.00M	OM	OM	OM	61	.096	97	86	61	81	81	14	DEW
26	.00	3	.00M	.00M	OM	OM	OM	83	.116	91	82	37	69	70	12	DEW
27	.00	4	.00M	.00M	OM	OM	OM	51	.171	72	62	31	70	59	0	
28	.00	5	.00M	.00M	OM	OM	OM	31	.146	89	86	29	82	72	9	DEW
29	.00	6	.00M	.00M	OM	OM	OM	18	.134	96	78	33	72	70	11	DEW
30	.00	7	.00M	.00M	OM	OM	OM	31	.149	91	84	51	76	76	5	DEW
31	.00	8	.00M	.00M	OM	OM	OM	73	.159	81	87	69	82	305	0	
TOTAL	2.30							1736	4.573							
MEAN			.000		.0	.0	.0	56	.148	117	84	57	81	85	6	

NORMAL PRECIPITATION FOR MONTH IS 2.51 INCHES; 24 HOUR MAXIMUM = 1.27 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 5; OF 0.50 OR MORE 2; OF 1.00 OR MORE 1

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR.
OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - OCTOBER 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	6PM TO 6AM		6AM TO 6PM		MINS. OF SUN-SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT
	DIR.	AVER. SPEED	DIR.	AVER. SPEED					HR.	SPEED	MAX	MIN	MEAN				
1	V	1	V	3	15:00	11	642	90.3	463	OM	30.18	30.10	30.14				
2	V	1	V	2	10:00	10	678	95.6	480	OM	30.21	30.10	30.15				
3	V	1	SW	4	16:00	18	658	93.1	448	OM	30.15	30.05	30.10				
4	V	1	SW	5	11:00	18	366	51.9	318	OM	30.07	29.95	30.01				
5	SW	5	SW	8	9:00	21	431	61.3	281	OM	30.03	29.94	29.98				
6	N	5	N	7	15:00	18	661	94.3	472	OM	30.13	30.03	30.08				
7	N	6	NE	7	10:00	19	583	83.4	402	OM	30.19	30.10	30.14				
8	NE	5	NE	7	11:00	21	281	40.3	243	OM	30.18	30.10	30.14				
9	NE	6	NE	5	9:00	16	306	44.0	246	OM	30.18	30.12	30.15				
10	NE	5	NE	7	20:00	19	112	16.2	162	OM	30.17	30.09	30.13				
11	NE	7	NE	6	6:00	15	0	0	91	OM	30.10	29.96	30.03				
12	E	4	SE	4	23:00	15	95	13.8	144	OM	29.97	29.88	29.92				
13	SE	6	NW	8	15:00	21	330	48.0	234	OM	30.13	29.83	29.98				
14	N	2	NE	5	10:00	19	454	66.3	278	OM	30.24	30.12	30.18				
15	NE	4	E	4	4:00	12	537	78.6	381	OM	30.23	30.15	30.19				
16	NE	4	E	4	9:00	16	620	91.0	429	OM	30.26	30.16	30.21				
17	NE	4	E	5	9:00	16	277	40.8	192	OM	30.23	30.15	30.19				
18	NE	3	SE	4	9:00	14	461	68.0	354	OM	30.18	30.10	30.14				
19	E	4	E	3	13:00	11	458	67.8	346	OM	30.17	30.10	30.13				
20	E	4	E	6	11:00	18	587	87.2	390	OM	30.18	30.10	30.14				
21	E	5	E	7	21:00	21	280	41.7	278	OM	30.20	30.12	30.16				
22	E	8	E	8	1:00	19	79	11.8	155	OM	30.17	29.95	30.06				
23	SE	6	NW	5	2:00	15	97	14.5	127	OM	29.95	29.85	29.90				
24	NW	3	NW	6	13:00	17	211	31.7	209	OM	30.05	29.90	29.97				
25	NW	3	NW	9	8:00	25	423	63.7	288	OM	30.11	30.04	30.07				
26	N	6	NW	7	13:00	21	577	87.2	413	OM	30.12	30.04	30.08				
27	N	3	N	6	10:00	18	638	96.5	412	OM	30.30	30.10	30.20				
28	V	1	S	2	11:00	10	634	96.2	403	OM	30.39	30.20	30.30				
29	V	1	NW	4	11:00	12	600	91.3	387	OM	30.37	30.27	30.32				
30	NE	3	E	6	9:00	16	556	84.9	374	OM	30.36	30.28	30.32				
31	NE	6	NE	5	4:00	13	159	24.3	209	OM	30.42	30.32	30.37				
TOTAL							12791		9609	0							
MEAN		4		5		17	413		310	0	30.18	30.07	30.13	.0	.0		

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
OCTOBER

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	83	58	71	94 1954	42 1920
2	83	58	71	93 1954	39 1920
3	82	58	70	93 1911	40 1974
4	82	57	70	94 1941	42 1952
5	82	57	70	95 1954	42 1968
6	81	56	69	98 1954	42 1932
7	81	56	69	97 1954	38 1932
8	81	55	68	94 1941	41 1935
9	80	55	68	97 1916	40 1951
10	80	55	68	90 1938	40 1915
11	80	54	67	94 1923	36 1906
12	79	54	67	90 1954	38 1906
13	79	53	66	89 1919	38 1977
14	79	53	66	91 1916	36 1977
15	79	53	66	90 1954	34 1978
16	78	52	65	89 1941	34 1954
17	78	52	65	88 1962	33 1954
18	77	51	64	88 1962	33 1948
19	77	51	64	90 1938	34 1948
20	77	51	64	90 1943	33 1961
21	76	50	63	89 1941	34 1913
22	76	50	63	92 1941	34 1961
23	76	50	63	92 1941	36 1924
24	75	49	62	90 1927	29 1917
25	75	49	62	90 1931	30 1962
26	75	48	62	90 1940	29 1962
27	74	48	61	91 1940	30 1957
28	74	48	61	88 1940	27 1957
29	73	47	60	88 1940	29 1952
30	73	47	60	87 1940	25 1952
31	73	46	60	88 1940	28 1954

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - NOVEMBER 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA										(IN DEGREES FARENHEIT)												SOIL TEMPERATURE DATA								
	150 CM SHELTER TEMPERATURES				DEGREE			DAYS	CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES							
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55			MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN					
1	71	53	62	3	3	17	7	0	85	53	83	53	68	OM	OM	OM	74	57	66	70	58	64	66	60	63						
2	77	53	65	6	0	20	10	0	91	52	89	52	71	OM	OM	OM	82	57	70	76	58	67	70	60	65						
3	77	49	63	5	2	18	8	0	91	52	89	49	69	OM	OM	OM	83	57	70	76	58	67	70	60	65						
4	79	54	67	9	0	22	12	0	89	56	89	56	73	OM	OM	OM	82	58	70	77	58	68	71	60	66						
5	72	37	55	-3	10	10	0	4	80	36	79	36	58	OM	OM	OM	75	50	63	71	53	62	68	58	63						
6	67	35	51	-6	14	6	0	12	81	33	77	33	55	OM	OM	OM	76	48	62	71	50	61	66	55	61						
7	72	45	59	2	6	14	4	0	85	43	84	45	65	OM	OM	OM	77	48	63	71	50	61	66	54	60						
8	64	52	58	2	7	13	3	0	71	52	72	52	62	OM	OM	OM	70	56	63	66	57	62	63	58	61						
9	75	54	65	9	0	20	10	0	89	54	89	54	72	OM	OM	OM	78	58	68	71	58	65	66	58	62						
10	73	56	65	9	0	20	10	0	86	57	85	57	71	OM	OM	OM	79	58	69	73	58	66	68	59	64						
11	61	42	52	-3	13	7	0	10	71	42	70	43	57	OM	OM	OM	71	53	62	68	54	61	66	57	62						
12	48	31	40	-15	25	0	0	16	52	30	51	30	41	OM	OM	OM	57	44	51	56	46	51	57	51	54						
13	61	35	48	-7	17	3	0	15	75	36	70	37	54	OM	OM	OM	71	44	58	65	46	56	61	50	56						
14	61	37	49	-5	16	4	0	9	73	37	71	38	55	OM	OM	OM	69	50	60	64	51	58	60	52	56						
15	67	46	57	3	8	12	2	0	67	46	66	47	57	OM	OM	OM	63	52	58	62	53	58	60	54	57						
16	66	37	52	-2	13	7	0	8	76	37	71	36	54	OM	OM	OM	66	47	57	63	48	56	61	51	56						
17	55	31	43	-11	22	0	0	16	70	30	68	30	49	OM	OM	OM	60	42	51	57	44	51	56	47	52						
18	63	33	48	-5	17	3	0	14	78	33	72	33	53	OM	OM	OM	64	42	53	60	44	52	56	47	52						
19	67	38	53	0	12	8	0	1	80	40	77	40	59	OM	OM	OM	65	44	55	62	45	54	57	48	53						
20	71	49	60	7	5	15	5	0	80	49	78	50	64	OM	OM	OM	67	48	58	63	49	56	61	51	56						
21	68	36	52	-1	13	7	0	8	75	35	72	35	54	OM	OM	OM	67	47	57	64	49	57	64	49	57						
22	69	41	55	3	10	10	0	7	85	40	81	40	61	OM	OM	OM	69	47	58	65	49	57	60	51	56						
23	77	44	61	9	4	16	6	0	89	45	86	46	66	OM	OM	OM	71	48	60	66	49	58	60	51	56						
24	74	56	65	13	0	20	10	0	83	58	81	57	69	OM	OM	OM	70	58	64	66	57	62	62	56	59						
25	58	29	44	-8	21	0	0	11	59	28	59	30	45	OM	OM	OM	61	43	52	60	45	53	60	49	55						
26	58	31	45	-6	20	0	0	16	70	31	69	31	50	OM	OM	OM	63	43	53	59	45	52	56	48	52						
27	61	38	50	-1	15	5	0	1	78	36	73	39	56	OM	OM	OM	63	43	53	59	45	52	55	47	51						
28	73	49	61	10	4	16	6	0	74	49	73	49	61	OM	OM	OM	65	55	60	63	53	58	59	52	56						
29	61	28	45	-5	20	0	0	10	70	27	68	28	48	OM	OM	OM	64	42	53	61	45	53	59	48	54						
30	53	29	41	-9	24	0	0	18	68	28	64	29	47	OM	OM	OM	60	41	51	56	42	49	54	45	50						

TOTAL 321 293 93 176 2321 1245
 MEAN 66.6 41.6 54.1 .0 10.7 9.8 3.1 5.9 77.4 41.5 75.2 41.8 58.5 .0 .0 .0 69.4 49.3 59.4 65.4 50.6 58.0 61.9 52.9 57.4

TEMPERATURE EXTREMES: HIGHEST 79 ON DAYS 4,
 LOWEST 28 ON DAYS 29,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 6 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - NOVEMBER 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING	
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER TEMP (DEG F) MAX	MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE
1	.00	9	.00M	.00M	OM	OM	OM	60	.073	88	85	52	74	75	0	
2	.00	10	.00M	.00M	OM	OM	OM	60	.136	72	79	45	90	72	0	
3	.00	11	.00M	.00M	OM	OM	OM	27	.111	97	97	49	80	81	14	DEW
4	.00	12	.00M	.00M	OM	OM	OM	31	.120	89	95	67	97	87	9	DEW
5	.04	13	.00H	.00M	OM	OM	OM	52	.013	87	75	35	55	63	16	RAIN DEW
6	.00	14	.00M	.00M	OM	OM	OM	41	.165	76	62	32	86	64	2	DEW
7	.00	15	.00M	.00M	OM	OM	OM	14	.112	74	74	71	82	75	1	DEW
8	.00	16	.00M	.00M	OM	OM	OM	58	.066	91	91	50	63	74	1	DEW
9	.00	17	.00M	.00M	OM	OM	OM	78	.125	76	80	60	92	77	0	
10	.01	18	.00M	.00M	OM	OM	OM	53	.103	100	100	52	69	80	14	RAIN
11	.00	19	.00M	.00M	OM	OM	OM	102	.125	75	78	74	82	77	0	
12	.00	20	.00M	.00M	OM	OM	OM	84	.041	83	81	28	55	62	0	
13	.00	21	.00M	.00M	OM	OM	OM	37	.132	61	58	37	71	57	0	
14	.04	22	.00M	.00M	OM	OM	OM	32	.086	95	87	100	98	95	10	RAIN DEW
15	1.42	0	.00M	.00M	OM	OM	OM	96	.034	93	97	84	82	89	21	RAIN
16	.28	0	.00M	.00M	OM	OM	OM	58	.095	86	94	55	85	80	10	DEW RAIN
17	.00	1	.00M	.00M	OM	OM	OM	63	.106	92	85	42	87	77	2	DEW
18	.00	2	.00M	.00M	OM	OM	OM	31	.102	100	98	36	55	72	13	DEW
19	.00	3	.00M	.00M	OM	OM	OM	74	.191	66	69	62	68	66	0	
20	1.40	0	.00M	.00M	OM	OM	OM	131	.142	78	100	71	86	84	10	RAIN
21	.00T	1	.00M	.00M	OM	OM	OM	65	.059	100	100	38	85	81	14	DEW
22	.00	2	.00M	.00M	OM	OM	OM	11	.122	87	100	28	68	71	13	DEW
23	.00	3	.00M	.00M	OM	OM	OM	61	.211	73	84	70	91	80	0	
24	1.79	0	.00M	.00M	OM	OM	OM	104	.187	100	100	95	85	95	18	RAIN
25	.29	0	.00M	.00M	OM	OM	OM	84	.000M	84	91	45	91	78	8	RAIN DEW
26	.00	1	.00M	.00M	OM	OM	OM	27	.047	100	89	43	65	74	14	DEW
27	.02	2	.00M	.00M	OM	OM	OM	78	.143	72	92	90	88	86	2	RAIN
28	1.44	0	.00M	.00M	OM	OM	OM	130	.086	94	95	42	62	73	10	RAIN
29	.00	1	.00M	.00M	OM	OM	OM	72	.000M	67	91	42	81	70	0	
30	.00	2	.00M	.00M	OM	OM	OM	37	.000M	88	98	29	54	67	1	DEW
TOTAL	6.73							1851	2.933							
MEAN			.000		.0	.0	.0	62	.109	85	88	54	78	76	7	

NORMAL PRECIPITATION FOR MONTH IS 3.89 INCHES; 24 HOUR MAXIMUM = 1.79 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 10; OF 0.50 OR MORE 4; OF 1.00 OR MORE 4

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR. OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA -- NOVEMBER 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX GUST HR. SPEED	MINS. OF SUN- SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG- LEYS* SOLAR RAD.	LANG- LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		D Y S	LIGHT- NING STROK- ES	OBSERVED OR REPORTED HAIL HI-	WIND	TIME OF PASS -AGE	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED						MAX	MIN	MEAN	MAX	MIN						
1	NE	5	E	6	8:00	16	522	80.1	353	OM	30.42	30.33	30.37							
2	E	5	E	5	9:00	14	593	91.1	369	OM	30.39	30.25	30.32							
3	E	1	SW	5	12:00	13	558	86.0	373	OM	30.27	30.05	30.16							
4	W	2	NW	6	12:00	16	28	4.3	158	OM	30.06	29.94	30.00							
5	NW	5	NW	6	2:00	18	617	95.7	388	OM	30.07	29.97	30.02							
6	N	4	V	3	2:00	13	539	83.8	355	OM	30.12	30.01	30.06							
7	V	2	E	4	13:00	13	7	1.1	153	OM	30.07	30.00	30.03							
8	NE	6	NE	6	12:00	18	195	30.4	236	OM	30.08	30.00	30.04							
9	NE	6	NE	7	5:00	18	241	37.7	272	OM	30.02	29.81	29.91							
10	SE	2	W	9	14:00	21	277	43.4	206	OM	29.85	29.75	29.80							
11	NW	7	NW	9	5:00	19	0	.0	79	OM	30.01	29.84	29.92							
12	NW	5	NW	5	9:00	17	606	95.6	365	OM	30.08	29.96	30.02							
13	V	2	V	3	14:00	15	177	28.0	224	OM	29.99	29.92	29.95							
14	V	2	E	5	14:00	27	6	1.0	38	OM	29.96	29.81	29.88							
15	SW	8	W	7	6:00	30	115	18.3	106	OM	29.95	29.77	29.86							
16	W	3	NW	8	12:00	25	466	74.1	299	OM	30.05	29.95	30.00							
17	NW	2	NW	4	12:00	18	582	92.8	342	OM	30.20	30.09	30.14							
18	V	1	SE	5	11:00	21	584	93.3	338	OM	30.21	30.06	30.13							
19	SE	4	SE	7	22:00	23	307	49.1	239	OM	30.10	29.73	29.91							
20	SE	10	SW	11	3:00	30	217	34.8	166	OM	29.96	29.65	29.80							
21	V	1	V	2	13:00	31	597	96.0	333	OM	30.11	29.96	30.03							
22	V	2	SE	3	22:00	12	587	94.7	328	OM	30.18	30.01	30.09							
23	SE	4	SE	10	13:00	27	181	29.2	206	OM	30.01	29.78	29.89							
24	V	5	NW	5	18:00	21	0	.0	38	OM	30.01	29.82	29.91							
25	NW	7	W	3	2:00	16	588	95.3	331	OM	30.22	30.10	30.16							
26	V	1	SE	4	11:00	16	501	81.3	301	OM	30.24	30.08	30.16							
27	E	6	SE	8	16:00	23	0	.0	58	OM	30.08	29.74	29.91							
28	W	9	SW	8	15:00	25	475	77.4	289	OM	29.95	29.76	29.86							
29	W	4	W	5	13:00	17	577	94.3	330	OM	30.15	29.99	30.07							
30	V	1	NW	3	10:00	14	492	80.5	307	OM	30.27	30.14	30.20							
TOTAL							10635		7580	0										
RAN		4		6		20	355		253	0	30.10	29.94	30.02	.0	.0					

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.
 IND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)
 ** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.
 IND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
NOVEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES			
	MAXIMUM	MINIMUM	DAY MEAN	HIGH	YEAR	LOW	YEAR
1	72	46	59	90	1935	31	1930
2	72	46	59	90	1935	28	1963
3	71	45	58	88	1935	19	1954
4	71	45	58	84	1961	26	1954
5	71	44	58	84	1946	25	1982
6	70	44	57	89	1920	28	1962
7	70	44	57	90	1920	27	1959
8	69	43	56	85	1934	28	1951
9	69	43	56	84	1934	27	1951
10	69	43	56	83	1934	24	1956
11	68	42	55	82	1945	26	1926
12	68	42	55	83	1938	26	1968
13	68	42	55	82	1936	25	1963
14	67	41	54	84	1924	24	1963
15	67	41	54	82	1955	18	1969
16	67	41	54	81	1951	18	1940
17	66	41	54	83	1921	26	1943
18	66	40	53	83	1958	21	1951
19	66	40	53	83	1942	22	1951
20	65	40	53	82	1942	16	1914
21	65	40	53	80	1943	21	1937
22	65	39	52	80	1913	22	1937
23	64	39	52	78	1963	18	1956
24	64	39	52	79	1931	16	1970
25	64	39	52	80	1921	9	1950
26	63	38	51	80	1973	9	1950
27	63	38	51	78	1973	21	1950
28	63	38	51	79	1908	21	1938
29	62	38	50	78	1960	17	1955
30	62	38	50	79	1970	16	1959

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - DECEMBER 1983

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHELTER TEMPERATURES				DEGREE DAYS			CHILL HRS	5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES		
	MAX	MIN	MEAN	DFN*	BELOW 65	ABOVE 45	55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	64	32	48	-2	17	3	0	2	79	33	73	33	53	OM	OM	OM	63	41	52	58	42	50	53	45	49
2	63	42	53	4	12	8	0	4	73	41	71	42	57	OM	OM	OM	63	50	57	59	50	55	55	50	53
3	73	51	62	13	3	17	7	0	85	51	80	51	66	OM	OM	OM	67	50	59	63	50	57	59	50	55
4	72	59	66	17	0	21	11	0	78	59	76	58	67	OM	OM	OM	69	61	65	65	60	63	61	58	60
5	68	43	56	7	9	11	1	4	77	43	74	43	59	OM	OM	OM	67	51	59	64	52	58	61	54	58
6	72	45	59	11	6	14	4	0	79	45	77	45	61	OM	OM	OM	66	51	59	64	52	58	60	53	57
7	65	28	47	-1	18	2	0	14	71	27	70	28	49	OM	OM	OM	65	40	53	63	42	53	60	46	53
8	53	28	41	-7	24	0	0	19	68	27	62	29	46	OM	OM	OM	60	40	50	56	42	49	56	42	49
9	60	31	46	-2	19	1	0	16	75	31	71	32	52	OM	OM	OM	62	40	51	57	42	50	52	44	48
10	65	38	52	4	13	7	0	11	77	34	73	35	54	OM	OM	OM	62	41	52	58	43	51	53	45	49
11	67	42	55	7	10	10	0	0	83	40	76	41	59	OM	OM	OM	63	44	54	59	45	52	54	46	50
12	60	46	53	5	12	8	0	0	60	46	60	46	53	OM	OM	OM	59	52	56	57	52	55	54	52	53
13	50	42	46	-1	19	1	0	15	51	44	51	45	48	OM	OM	OM	53	49	51	53	49	51	52	49	51
14	52	43	48	1	17	3	0	12	52	44	52	44	48	OM	OM	OM	53	49	51	52	49	51	50	49	50
15	55	31	43	-4	22	0	0	10	65	30	63	32	48	OM	OM	OM	57	42	50	55	44	50	52	46	49
16	57	29	43	-4	22	0	0	14	64	28	62	28	45	OM	OM	OM	56	38	47	53	40	47	50	42	46
17	58	31	45	-2	20	0	0	13	73	30	65	32	49	OM	OM	OM	59	38	49	55	40	48	49	42	46
18	56	40	48	1	17	3	0	11	63	41	60	40	50	OM	OM	OM	56	43	50	53	44	49	49	44	47
19	52	38	45	-2	20	0	0	15	55	37	54	36	45	OM	OM	OM	51	40	46	50	42	46	47	42	45
20	47	39	43	-4	22	0	0	22	50	40	49	39	44	OM	OM	OM	48	41	45	47	42	45	46	42	44
21	56	41	49	3	16	4	0	10	62	43	60	42	51	OM	OM	OM	56	44	50	53	44	49	49	44	47
22	42	37	40	-6	25	0	0	24	45	39	45	38	42	OM	OM	OM	48	43	46	47	44	46	46	44	45
23	48	32	40	-6	25	0	0	18	50	34	50	34	42	OM	OM	OM	51	41	46	49	43	46	47	43	45
24	38	19	29	-17	36	0	0	24	43	21	43	20	32	OM	OM	OM	48	35	42	46	37	42	45	39	42
25	25	3	14	-32	51	0	0	24	36	4	33	4	19	OM	OM	OM	39	27	33	38	33	36	39	34	37
26	22	5	14	-32	51	0	0	24	OM	OM	OM	OM	OM	OM	OM	OM	27	OM	OM	31	OM	OM	32	OM	
27	31	7	19	-27	46	0	0	24	46	8	42	8	25	OM	OM	OM	34	30	32	33	32	33	33	32	33
28	48	25	37	-9	28	0	0	21	49	26	48	26	37	OM	OM	OM	43	33	38	40	33	37	37	33	35
29	62	31	47	1	18	2	0	8	70	32	68	32	50	OM	OM	OM	56	41	49	52	40	46	45	37	41
30	37	12	25	-21	40	0	0	24	51	11	47	13	30	OM	OM	OM	49	34	42	47	36	42	43	36	40
31	32	12	22	-24	43	0	0	24	45	12	40	13	27	OM	OM	OM	35	32	34	36	34	35	37	34	36

TOTAL 681 115 23 407 1875 1001

MEAN 53.2 32.3 42.8 -4.2 22.0 3.7 .7 13.1 62.5 33.4 59.8 33.6 46.7 .0 .0 .0 55.3 41.5 48.4 52.7 42.9 47.8 49.8 43.5 46.7

TEMPERATURE EXTREMES: HIGHEST 73 ON DAYS 3,
 LOWEST 3 ON DAYS 25.

TEMPERATURE: 4 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 16 DAYS WITH MINIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MINIMUM 0 DEGREES OR BELOW.

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 DATA FOR 24 HOUR PERIOD ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - DECEMBER 1983

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING			
	WATER EQUI-VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MILES MEAN	AIR MOVEMENT	INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	.00T	3	.00M	.00M	OM	OM	OM	27	.000M	61	62	53	86	66	1	RAIN
2	.00	4	.00M	.00M	OM	OM	OM	27	.076	82	70	41	75	67	5	DEW
3	2.33	0	.00M	.00M	68	50	59	118	.000M	94	100	90	81	91	10	RAIN
4	1.43	0	.00M	.00M	69	60	65	105	.000M	98	93	75	93	90	18	RAIN
5	.00	1	.00M	.00M	68	50	59	38	.000M	100	100	67	90	89	16	DEW
6	.53	0	.00M	.00M	68	50	59	99	.144	100	100	50	63	78	13	RAIN
7	.00	1	.00M	.00M	66	35	51	155	.000M	79	87	38	75	70	0	
8	.00	2	.00M	.00M	52	44	48	27	.000M	75	92	44	82	73	0	
9	.00	3	.00M	.00M	58	39	49	22	.079	100	90	41	70	75	9	DEW
10	.00	4	.00M	.00M	61	41	51	31	.097	83	78	35	69	66	0	
11	.12	5	.00M	.00M	64	43	54	121	.179	71	96	92	96	89	6	RAIN
12	1.39	0	.00M	.00M	59	51	55	59	.103	98	100	84	90	93	21	RAIN
13	.00	1	.00M	.00M	51	45	48	89	.046	95	98	94	93	95	0	
14	.01	2	.00M	.00M	49	45	47	87	.013	98	100	65	75	65	8	RAIN
15	.00	3	.00M	.00M	56	41	49	61	.028	91	100	34	54	70	8	DEW
16	.00	4	.00M	.00M	56	39	48	78	.122	67	87	34	52	60	0	
17	.00T	5	.00M	.00M	57	39	48	68	.126	60	70	50	56	59	1	RAIN
18	.00	6	.00M	.00M	55	41	48	79	.098	60	75	59	56	63	0	
19	.00	7	.00M	.00M	49	40	45	63	.067	65	72	67	76	70	0	
20	.01	8	.00M	.00M	45	40	43	46	.032	78	76	58	69	70	4	RAIN
21	.00	9	.00M	.00M	54	41	48	83	.086	62	62	92	100	79	0	
22	.37	0	.00M	.00M	44	39	42	93	.042	100	100	100	90	98	19	RAIN
23	.06	1	.00M	.00M	47	39	43	49	.002	92	94	91	92	92	8	RAIN
24	.00	2	.00M	.00M	42	33	38	102	.000M	86	56	37	48	57	0	
25	.00	3	.00M	.00M	40	33	37	181	.000M	OM	OM	OM	OM	OM	0	
26	.00	4	.00M	.00M	OM	32	OM	94	.000M	OM	OM	29	40	OM	0	
27	.07	5	.00M	.00M	34	33	34	52	.000M	48	80	48	100	69	4	RAIN
28	2.32	0	.00M	.00M	39	33	36	112	.000M	98	100	80	89	92	20	RAIN
29	.40	0	.00M	.00M	46	35	41	83	.000M	97	90	52	48	72	12	RAIN
30	.00	1	.00M	.00M	43	33	38	137	.000M	61	70	37	46	54	0	
31	.00	2	.00M	.00M	40	33	37	89	.000M	54	75	31	50	53	0	
TOTAL	9.04							2475	1.340							
MEAN			.000		52.9	40.6	46.7	80	.079	81	85	59	73	75	6	

NORMAL PRECIPITATION FOR MONTH IS 5.51 INCHES; 24 HOUR MAXIMUM = 2.33 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 12; OF 0.50 OR MORE 5; OF 1.00 OR MORE 4

* NUMBER OF DAYS SINCE LAST OCCURRENCE OF 0.20 INCHES OR MORE OF PRECIPITATION.

T = TRACE OF PRECIPITATION.

M = MISSING OR UNOBSERVED DATA.

VEGETATIVE WETTING DATA FOR 24 HOUR PERIOD ENDING AT NOON CST. RELATIVE HUMIDITY IS AT INDICATED CST HOUR. OTHER DATA FOR 24 HOURS ENDING 7AM CST.

AGROCLIMATOLOGICAL DATA - DECEMBER 1983

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION			BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS	
	6PM TO 6AM		6AM TO 6PM		MAX GUST HR. SPEED	MINS. OF SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG- LEYS*	LANG- LEYS*	STATION PRESSURE IN INCHES			MIXING RATIO**		D LIGHT- A NING Y STROK- S ES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS OF FRONT	TYPE OF FRONT	
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED						MAX	MIN	MEAN	MAX	MIN					
1	N	3	NW	4	8:00	12	55	9.0	167	OM	30.31	30.21	30.26						
2	V	2	SE	7	13:00	19	436	71.5	284	OM	30.21	29.92	30.06						
3	S	8	E	7	21:00	35	37	6.1	94	OM	29.95	29.72	29.83						
4	SW	7	SW	7	14:00	17	186	30.6	178	OM	29.98	29.81	29.89						
5	V	1	E	3	20:00	14	176	29.0	165	OM	30.03	29.80	29.94						
6	S	8	W	15	5:00	47	333	55.0	244	OM	30.16	29.72	29.94						
7	NW	7	NW	3	3:00	21	566	93.4	313	OM	30.30	30.15	30.22						
8	V	1	V	3	10:00	12	528	87.3	296	OM	30.27	30.17	30.22						
9	V	1	S	4	12:00	14	533	88.2	292	OM	30.32	30.23	30.27						
10	E	2	SE	6	12:00	17	520	86.1	285	OM	30.33	30.10	30.21						
11	SE	9	SE	6	6:00	27	0	.0	34	OM	30.10	29.78	29.94						
12	W	3	NW	8	9:00	21	0	.0	42	OM	29.97	29.78	29.87						
13	NW	4	V	3	23:00	27	0	.0	50	OM	29.93	29.58	29.75						
14	SE	7	SW	9	10:00	29	91	15.1	126	OM	29.68	29.54	29.61						
15	V	2	SW	9	13:00	29	445	73.9	291	OM	30.18	29.88	30.03						
16	W	3	V	4	9:00	14	497	82.7	294	OH	30.35	30.26	30.30						
17	NE	5	NE	5	5:00	14	50	8.3	157	OM	30.40	30.32	30.36						
18	NE	5	NE	5	4:00	11	0	.0	87	OM	30.34	30.19	30.26						
19	N	4	N	4	10:00	12	0	.0	60	OM	30.22	30.16	30.19						
20	NE	5	NE	6	10:00	18	0	.0	140	OM	30.27	30.15	30.21						
21	NE	7	E	8	5:00	21	0	.0	76	OM	30.31	30.10	30.20						
22	E	6	N	4	20:00	18	0	.0	60	OM	30.15	30.01	30.08						
23	N	5	SW	5	0:00	19	0	.0	85	OM	30.15	30.07	30.11						
24	NW	9	NW	15	13:00	35	297	49.4	285	OM	30.48	30.11	30.29						
25	NW	8	M	OM	15:00	14	357	59.4	269	OM	30.53	30.41	30.47						
26	M	OM	V	4	13:00	13	413	68.7	293	OM	30.44	30.28	30.36						
27	E	2	SE	7	23:00	23	31	5.1	117	OM	30.28	29.90	30.09						
28	E	9	SW	6	6:00	31	64	10.6	153	OM	30.08	29.71	29.89						
29	NW	6	NW	10	15:00	25	317	52.7	247	OM	30.40	29.96	30.18						
30	NW	8	NW	9	8:00	23	574	95.2	318	OM	30.63	30.40	30.51						
31	N	6	N	4	1:00	15	550	91.2	310	OM	30.66	30.52	30.59						
TOTAL							7056		5812	0									
MEAN		5		6		21	228		187	0	30.24	30.03	30.14	.0	.0				

* ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

WIND SPEEDS ARE IN KNOTS (1 KNOT= 1.15 MPH)

** MIXING RATIO IS PARTS PER HUNDRED MILLION.

M = MISSING OR UNOBSERVED DATA.

WIND GUST, SUNSHINE & RADIATION ARE FROM MIDNIGHT-TO-MIDNIGHT ON INDICATED DAY

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
DECEMBER

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	62	37	50	80 1933	19 1957
2	61	37	49	79 1982	23 1944
3	61	37	49	78 1982	17 1960
4	61	37	49	78 1933	20 1929
5	60	37	49	76 1961	24 1960
6	60	36	48	81 1924	20 1937
7	60	36	48	77 1951	13 1937
8	60	36	48	78 1978	20 1959
9	60	36	48	77 1956	11 1917
10	59	36	48	78 1972	18 1917
11	59	36	48	79 1918	20 1934
12	59	36	48	80 1971	11 1962
13	59	35	47	81 1926	-1 1962
14	58	35	47	76 1925	0 1962
15	58	35	47	76 1971	15 1962
16	58	35	47	81 1971	14 1951
17	58	35	47	78 1933	14 1960
18	58	35	47	80 1924	15 1953
19	58	35	47	84 1924	12 1963
20	58	35	47	74 1931	12 1963
21	57	35	46	75 1971	17 1981
22	57	35	46	76 1923	12 1960
23	57	35	46	75 1922	12 1960
24	57	35	46	77 1964	19 1983
25	57	35	46	75 1926	3 1983
26	57	35	46	77 1911	5 1983
27	57	35	46	73 1971	7 1983
28	57	35	46	74 1937	9 1925
29	57	35	46	76 1974	15 1925
30	57	34	46	75 1923	12 1983
31	57	35	46	77 1923	12 1983

ALL TEMPERATURES ARE IN DEGREES FARENHEIT.
NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

CLIMATOLOGICAL DATA

AUBURN, ALABAMA

TEMPERATURE AND PRECIPITATION

NORMALS, MEANS AND EXTREMES

MONTH	TEMPERATURE						MEAN NO OF DEGREE MAXIMUM TEMP. MINIMUM TEMP.				RAINFALL								
	NORMALS			EXTREMES			BASE-65 90 OR DEGREES ABOVE		32 OR BELOW		32 OR BELOW		MINIMUM		24 HOUR				
	MAX	MIN	MEAN	HIGH	YEAR	LOW	YEAR	DEGREES	ABOVE	32 OR	BELOW	TOTAL	YEAR	TOTAL	YEAR	MAX	YEAR		
JAN	57.1	34.9	46.0	82	1975	0	1963	598	0	0	11	0	4.83	12.09	1936	.49	1927	5.23	1912
FEB	60.3	36.7	48.5	82	1962	8	1958	469	0	0	8	0	5.32	17.61	1961	1.50	1943	7.83	1961
MAR	66.6	42.4	54.5	89	1923	12	1980	349	0	0	4	0	6.93	17.47	1929	.30	1918	5.06	1944
APR	76.4	51.0	63.7	94	1942	27	1940	112	0	0	0	0	5.21	18.07	1964	.50	1915	5.60	1981
MAY	84.3	58.5	71.4	98	1962	35	1960	9	5	0	0	0	3.90	10.33	1915	.36	1914	4.53	1915
JUN	89.8	65.6	77.7	107	1933	39	1956	0	15	0	0	0	4.25	8.64	1909	.57	1931	3.64	1928
JUL	90.9	68.3	79.6	108	1930	54	1967	0	18	0	0	0	5.38	15.73	1916	1.39	1914	7.00	1948
AUG	90.9	67.7	79.3	106	1925	56	1952	0	18	0	0	0	4.07	11.03	1944	.01	1925	3.73	1939
SEP	86.5	63.2	74.9	108	1925	38	1967	0	11	0	0	0	4.20	13.13	1965	.36	1919	7.27	1965
OCT	78.0	52.3	65.2	98	1954	25	1952	98	1	0	0	0	2.51	8.41	1970	.00	1963	3.55	1906
NOV	66.9	41.3	54.1	90	1935	9	1950	335	0	0	4	0	3.89	17.77	1948	.23	1924	7.05	1948
DEC	58.5	35.5	47.0	84	1924	-1	1962	558	0	0	10	0	5.51	14.27	1953	.82	1955	6.22	1953
YEAR	75.5	51.4	63.5	108	1930	-1	1962	2528	68	0	37	0	56.00	82.95	1975	28.44	1954	7.83	1961

TEMPERATURE IN DEG. F; RAINFALL IN INCHES
 NORMALS BASED ON 1941-70 DATA. MEANS AND EXTREMES BEGIN WITH 1906 DATA

1983 AGROCLIMATOLOGICAL DATA

AUBURN, ALABAMA

MONTHLY AND ANNUAL SUMMARY

MONTH	5 FOOT SHELTER TEMPERATURES (DEG F)				MAXIMUM AND MINIMUM TEMPERATURES				DEGREE DAYS BELOW 65		PRECIPITATION TOTAL		OPEN PAN EVAPORATION	SUNSHINE AND RADIATION		
	MAX	MIN	MEAN	DFN*	90 OR ABOVE		32 OR BELOW		DAYS	DFN*	WATER EQUIVALENT (IN.)	DFN*	TOTAL (IN.)	MINS. OF SUNSHINE	LANGLEYS**	NET RAD.
					DAYS	DFN*	DAYS	DFN*								
JAN	51.8	32.3	42.0	-4.0	0	0	14	3	706	108	4.74	-.09	1.22	9444	6336	OM
FEB	56.8	36.5	46.7	-1.8	0	0	7	-1	508	39	4.57	-.75	2.53	6820	6629	OM
MAR	62.1	40.5	51.3	-3.2	0	0	9	5	418	69	10.08	3.15	3.50	10621	10136	OM
APR	70.1	46.2	58.1	-5.6	0	0	1	1	207	95	6.35	1.14	6.35	14262	13637	OM
MAY	80.3	56.7	68.5	-2.9	0	-5	0	0	16	7	1.70	-2.20	6.90	14218	15348	OM
JUN	83.2	63.1	73.1	-4.6	1	-14	0	0	0	0	4.98	.73	6.53	10694	13882	OM
JUL	90.5	68.5	79.5	-.1	18	0	0	0	0	0	1.69	-3.69	8.42	16074	16718	OM
AUG	92.2	69.5	80.8	1.5	24	6	0	0	0	0	3.01	-1.06	7.20	16096	14759	OM
SEP	83.0	62.6	72.8	-2.1	5	-6	0	0	15	15	7.30	3.10	5.32	14380	11841	OM
OCT	76.6	55.1	65.9	.7	0	-1	0	0	63	-35	2.30	-.21	4.57	12791	9609	OM
NOV	66.6	41.6	54.1	.0	0	0	6	2	321	-14	6.73	2.84	2.93	10635	7580	OM
DEC	53.2	32.3	42.8	-4.2	0	0	16	6	681	123	9.04	3.53	1.34	7056	5812	OM
YEAR	72.2	50.4	61.3	-2.2	48	-20	53	16	2935	407	62.49	6.49	56.82	143091	132287	0

* DEPARTURE FROM 1941-70 NORMAL.

** ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

((((NOTE))) EVAPORATION, SUNSHINE AND RADIATION DATA ARE NOT ADJUSTED FOR MISSING VALUES

Estimated daylength, sunrise and sunset times for Auburn, Alabama
 All sunrise and sunset calculations are for Central Standard Time.

Latitude 32 36 N., Longitude 85 30 W.

JANUARY

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	10:05	6:43	4:48	2	10:05	6:43	4:48	3	10:06	6:43	4:49	4	10:06	6:43	4:50
6	10:08	6:44	4:51	7	10:08	6:44	4:52	8	10:09	6:44	4:53	9	10:10	6:44	4:54
11	10:11	6:44	4:55	12	10:12	6:44	4:56	13	10:13	6:44	4:57	14	10:14	6:44	4:58
16	10:16	6:44	4:59	17	10:17	6:43	5:00	18	10:18	6:43	5:01	19	10:19	6:43	5:02
21	10:21	6:42	5:03	22	10:22	6:42	5:04	23	10:23	6:42	5:05	24	10:25	6:41	5:06
26	10:27	6:41	5:08	27	10:28	6:40	5:09	28	10:30	6:40	5:10	29	10:31	6:39	5:10
31	10:34	6:38	5:12									30	10:33	6:39	5:11

FEBRUARY

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	10:35	6:38	5:13	2	10:37	6:37	5:14	3	10:39	6:36	5:15	4	10:40	6:36	5:16
6	10:43	6:34	5:18	7	10:45	6:34	5:19	8	10:47	6:33	5:19	9	10:48	6:32	5:20
11	10:52	6:31	5:22	12	10:53	6:30	5:23	13	10:55	6:29	5:24	14	10:57	6:28	5:25
16	11:01	6:26	5:27	17	11:03	6:25	5:28	18	11:04	6:24	5:28	19	11:06	6:23	5:29
21	11:10	6:21	5:31	22	11:12	6:20	5:32	23	11:14	6:19	5:33	24	11:16	6:18	5:34
26	11:20	6:15	5:35	27	11:22	6:14	5:36	28	11:24	6:13	5:37	29	11:26	6:12	5:38

MARCH

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	11:28	6:11	5:39	2	11:30	6:09	5:40	3	11:33	6:08	5:41	4	11:35	6:07	5:41
6	11:39	6:04	5:43	7	11:41	6:03	5:44	8	11:43	6:02	5:45	9	11:45	6:00	5:46
11	11:50	5:58	5:47	12	11:52	5:56	5:48	13	11:54	5:55	5:49	14	11:56	5:54	5:50
16	12:00	5:51	5:51	17	12:03	5:49	5:52	18	12:05	5:48	5:53	19	12:07	5:47	5:54
21	12:11	5:44	5:55	22	12:13	5:42	5:56	23	12:16	5:41	5:57	24	12:18	5:40	5:57
26	12:22	5:37	5:59	27	12:24	5:35	6:00	28	12:26	5:34	6:00	29	12:29	5:33	6:01
31	12:33	5:30	6:03									30	12:31	5:31	6:02

APRIL

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	12:35	5:29	6:03	2	12:37	5:27	6:04	3	12:39	5:26	6:05	4	12:41	5:24	6:06
6	12:45	5:22	6:07	7	12:48	5:20	6:08	8	12:50	5:19	6:09	9	12:52	5:18	6:09
11	12:56	5:15	6:11	12	12:58	5:14	6:12	13	13:00	5:13	6:12	14	13:02	5:11	6:13
16	13:05	5:09	6:14	17	13:07	5:08	6:15	18	13:09	5:07	6:16	19	13:11	5:05	6:17
21	13:15	5:03	6:18	22	13:17	5:02	6:19	23	13:18	5:01	6:19	24	13:20	5:00	6:20
26	13:24	4:58	6:22	27	13:25	4:57	6:22	28	13:27	4:56	6:23	29	13:29	4:55	6:24
												30	13:30	4:54	6:24

**** Add one hour to the above sunrise and sunset values for Daylight Savings Time if and when used.

NOTE: The above times are only estimates and should NOT be considered official. However, comparisons with major cities in the Southeast U.S. have shown that the above values are generally within 5 minutes (and most cases 3) of officially published tables. An additional error of less than one minute for each 9 miles from the above Latitude and Longitude exists. The above estimates may be used in any year of the twentieth century. These daylength, sunrise and sunset estimates are provided by the National Weather Service at Auburn, Alabama.

Estimated daylength, sunrise and sunset times for: Auburn, Alabama
 All sunrise and sunset calculations are for Central Standard Time.

Latitude 32 36 N., Longitude 85 30 W.

MAY

DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			
DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	
1	13:32	4:53	6:25	2	13:34	4:52	6:26	3	13:35	4:51	6:26	4	13:37	4:50	6:27
6	13:40	4:49	6:28	7	13:41	4:48	6:29	8	13:43	4:47	6:30	9	13:44	4:46	6:30
11	13:47	4:45	6:32	12	13:48	4:44	6:32	13	13:50	4:43	6:33	14	13:51	4:43	6:34
16	13:53	4:42	6:35	17	13:54	4:41	6:36	18	13:56	4:41	6:36	19	13:57	4:40	6:37
21	13:59	4:39	6:38	22	14:00	4:39	6:39	23	14:01	4:38	6:39	24	14:02	4:38	6:40
26	14:04	4:37	6:41	27	14:05	4:37	6:41	28	14:05	4:37	6:42	29	14:06	4:36	6:42
31	14:08	4:36	6:43									30	14:07	4:36	6:43

JUNE

DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			
DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	
1	14:08	4:36	6:44	2	14:09	4:35	6:44	3	14:10	4:35	6:45	4	14:10	4:35	6:45
6	14:11	4:35	6:46	7	14:12	4:35	6:47	8	14:12	4:35	6:47	9	14:13	4:35	6:48
11	14:13	4:35	6:48	12	14:14	4:35	6:49	13	14:14	4:35	6:49	14	14:14	4:35	6:49
16	14:15	4:35	6:50	17	14:15	4:36	6:50	18	14:15	4:36	6:51	19	14:15	4:36	6:51
21	14:15	4:36	6:51	22	14:15	4:36	6:51	23	14:15	4:37	6:52	24	14:15	4:37	6:52
26	14:14	4:38	6:52	27	14:14	4:38	6:52	28	14:14	4:38	6:52	29	14:14	4:39	6:52
												30	14:13	4:39	6:52

JULY

DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			
DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	
1	14:13	4:39	6:52	2	14:13	4:40	6:52	3	14:12	4:40	6:52	4	14:12	4:41	6:52
6	14:11	4:41	6:52	7	14:10	4:42	6:52	8	14:10	4:42	6:52	9	14:09	4:43	6:52
11	14:08	4:44	6:51	12	14:07	4:44	6:51	13	14:06	4:45	6:51	14	14:05	4:45	6:50
16	14:04	4:46	6:50	17	14:03	4:47	6:49	18	14:02	4:47	6:49	19	14:01	4:48	6:49
21	13:59	4:49	6:48	22	13:58	4:50	6:47	23	13:57	4:50	6:47	24	13:55	4:51	6:46
26	13:53	4:52	6:45	27	13:52	4:53	6:44	28	13:51	4:53	6:44	29	13:49	4:54	6:43
31	13:47	4:55	6:42									30	13:48	4:54	6:42

AUGUST

DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			DAY RISE SET			
DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	DATE	LENGTH	A.M. P.M.	
1	13:45	4:56	6:41	2	13:44	4:56	6:40	3	13:43	4:57	6:39	4	13:41	4:57	6:39
6	13:38	4:59	6:37	7	13:37	4:59	6:36	8	13:35	5:00	6:35	9	13:34	5:01	6:34
11	13:30	5:02	6:32	12	13:29	5:03	6:31	13	13:27	5:03	6:30	14	13:25	5:04	6:29
16	13:22	5:05	6:27	17	13:20	5:06	6:26	18	13:18	5:06	6:25	19	13:17	5:07	6:24
21	13:13	5:08	6:21	22	13:11	5:09	6:20	23	13:09	5:10	6:19	24	13:07	5:10	6:18
26	13:04	5:12	6:15	27	13:02	5:12	6:14	28	13:00	5:13	6:13	29	12:58	5:14	6:11
31	12:54	5:15	6:09									30	12:56	5:14	6:10

**** Add one hour to the above sunrise and sunset values for Daylight Savings Time if and when used.

NOTE: The above times are only estimates and should NOT be considered official. However, comparisons with major cities in the Southeast U.S. have shown that the above values are generally within 5 minutes (and most cases 3) of officially published tables. An additional error of less than one minute for each 9 miles from the above Latitude and Longitude exists. The above estimates may be used in any year of the twentieth century. These daylength, sunrise and sunset estimates are provided by the National Weather Service at Auburn, Alabama. PAGE 15-2

Estimated daylength, sunrise and sunset times for: Auburn, Alabama.
All sunrise and sunset calculations are for Central Standard Time.

Latitude 32 36 N., Longitude 85 30 W.

SEPTEMBER

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	12:52	5:16	6:07	2	12:50	5:16	6:06	3	12:49	5:17	6:05	4	12:46	5:18	6:03
6	12:42	5:19	6:01	7	12:39	5:20	5:59	8	12:37	5:20	5:58	9	12:35	5:21	5:56
11	12:31	5:22	5:54	12	12:29	5:23	5:52	13	12:27	5:24	5:51	14	12:25	5:25	5:49
16	12:20	5:26	5:46	17	12:18	5:27	5:45	18	12:16	5:27	5:43	19	12:14	5:28	5:42
21	12:10	5:29	5:39	22	12:07	5:30	5:38	23	12:05	5:31	5:36	24	12:03	5:32	5:35
26	11:59	5:33	5:32	27	11:57	5:34	5:30	28	11:54	5:35	5:29	29	11:52	5:35	5:28
												30	11:50	5:36	5:26

OCTOBER

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	11:48	5:37	5:25	2	11:46	5:38	5:23	3	11:44	5:38	5:22	4	11:42	5:39	5:21
6	11:37	5:41	5:18	7	11:35	5:41	5:17	8	11:33	5:42	5:15	9	11:31	5:43	5:14
11	11:27	5:45	5:12	12	11:25	5:45	5:10	13	11:23	5:46	5:09	14	11:21	5:47	5:08
16	11:17	5:49	5:05	17	11:15	5:49	5:04	18	11:13	5:50	5:03	19	11:11	5:51	5:02
21	11:07	5:53	5:00	22	11:05	5:53	4:59	23	11:03	5:54	4:58	24	11:01	5:55	4:57
26	10:58	5:57	4:55	27	10:56	5:58	4:54	28	10:54	5:59	4:53	29	10:52	5:59	4:52
31	10:49	6:01	4:50									30	10:51	6:00	4:51

NOVEMBER

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	10:47	6:02	4:49	2	10:46	6:03	4:48	3	10:44	6:04	4:48	4	10:42	6:05	4:47
6	10:39	6:06	4:46	7	10:38	6:07	4:45	8	10:36	6:08	4:44	9	10:35	6:09	4:44
11	10:32	6:11	4:42	12	10:30	6:11	4:42	13	10:29	6:12	4:41	14	10:28	6:13	4:41
16	10:25	6:15	4:40	17	10:24	6:16	4:40	18	10:23	6:17	4:39	19	10:22	6:17	4:39
21	10:19	6:19	4:38	22	10:18	6:20	4:38	23	10:17	6:21	4:38	24	10:16	6:22	4:38
26	10:14	6:23	4:37	27	10:13	6:24	4:37	28	10:12	6:25	4:37	29	10:12	6:25	4:37
												30	10:11	6:26	4:37

DECEMBER

DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	DAY	RISE	SET	
DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.	DATE	LENGTH	A.M.	P.M.
1	10:10	6:27	4:37	2	10:09	6:28	4:37	3	10:09	6:29	4:37	4	10:08	6:29	4:37
6	10:07	6:31	4:37	7	10:06	6:31	4:37	8	10:06	6:32	4:38	9	10:05	6:33	4:38
11	10:04	6:34	4:38	12	10:04	6:35	4:39	13	10:04	6:35	4:39	14	10:03	6:36	4:39
16	10:03	6:37	4:40	17	10:03	6:38	4:40	18	10:03	6:38	4:41	19	10:03	6:39	4:41
21	10:02	6:40	4:42	22	10:02	6:40	4:42	23	10:03	6:40	4:43	24	10:03	6:41	4:43
26	10:03	6:42	4:45	27	10:03	6:42	4:45	28	10:03	6:42	4:46	29	10:04	6:43	4:46
31	10:04	6:43	4:48									30	10:04	6:43	4:47

*** Add one hour to the above sunrise and sunset values for Daylight Savings Time if and when used.

NOTE: The above times are only estimates and should NOT be considered official. However, comparisons with major cities in the Southeast U.S. have shown that the above values are generally within 5 minutes (and most cases 3) of officially published tables. An additional error of less than one minute for each 2 miles from the above Latitude and Longitude exists. The above estimates may be used in any year of the twentieth century. These daylength, sunrise and sunset estimates are provided by the National Weather Service at Auburn, Alabama. PAGE 15-3

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
01/ 1	50	-1	27	-4	39	-2	.00	50	43	47	9.99	999	0
01/ 2	49	-2	36	5	43	2	.16	48	43	46	9.99	999	0
01/ 3	46	-4	33	2	40	-1	.19	47	42	45	9.99	999	0
01/ 4	46	-4	25	-6	36	-5	.00	48	38	43	9.99	999	0
01/ 5	52	2	25	-6	39	-2	.00	48	37	43	9.99	999	0
01/ 6	53	3	30	-1	42	1	.00	50	38	44	9.99	999	0
01/ 7	59	9	36	6	48	8	.00	55	42	49	9.99	999	0
01/ 8	49	-1	30	0	40	0	.00	49	40	45	9.99	999	0
01/ 9	47	-3	34	4	41	1	.49	46	46	46	9.99	999	0
01/10	56	6	45	15	51	11	.20	52	46	49	9.99	999	0
01/11	53	3	33	3	43	3	.08	52	41	47	9.99	999	0
01/12	56	6	28	-2	42	2	88.88	51	38	45	9.99	999	0
01/13	38	-12	24	-6	31	-9	.00	45	35	40	9.99	999	0
01/14	62	12	24	-6	43	3	.00	48	35	42	9.99	999	0
01/15	64	14	30	0	47	7	.00	52	38	45	9.99	999	0
01/16	37	-13	22	-8	30	-10	.00	42	34	38	9.99	999	0
01/17	41	-9	21	-9	31	-9	.00	45	34	40	9.99	999	0
01/18	47	-3	20	-10	34	-6	.00	47	34	41	9.99	999	0
01/19	37	-13	19	-11	28	-12	.00	42	33	38	9.99	999	0
01/20	41	-9	19	-11	30	-10	.00	39	33	36	9.99	999	0
01/21	37	-13	30	0	34	-6	.76	37	35	36	9.99	999	0
01/22	37	-13	35	5	36	-4	.12	38	36	37	9.99	999	0
01/23	42	-8	36	6	39	-1	.11	41	38	40	9.99	999	0
01/24	39	-12	35	5	37	-4	.00	41	39	40	9.99	999	0
01/25	37	-14	34	4	36	-5	.00	40	39	40	9.99	999	0
01/26	46	-5	29	-1	38	-3	.00	47	37	42	9.99	999	0
01/27	47	-4	29	-1	38	-3	.43	45	37	41	9.99	999	0
01/28	40	-11	29	-1	35	-6	88.88	43	37	40	9.99	999	0
01/29	53	2	28	-3	41	0	.00	51	37	44	9.99	999	0
01/30	55	3	39	8	47	5	.07	47	40	44	9.99	999	0
01/31	50	-2	32	1	41	-1	.00	52	40	46	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 47.3 Mean Minimum= 29.6 Average= 38.4
 DFN= -3.1 DFN= -.7 DFN= -1.9
 Highest= 64 Lowest= 19

PRECIPITATION STATISTICS:

Total= 2.61 DFN= -2.27 Greatest Daily= .76 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts-per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
01/ 1	59	-3	41	4	50	0	1.69	60	47	54	9.99	999	0
01/ 2	55	-7	47	10	51	1	.96	55	52	54	9.99	999	0
01/ 3	60	-2	40	3	50	0	.08	58	48	53	9.99	999	0
01/ 4	46	-16	26	-11	36	-14	.00	49	39	44	9.99	999	0
01/ 5	57	-5	26	-11	42	-8	.00	58	39	49	9.99	999	0
01/ 6	55	-7	26	-11	41	-9	.00	53	39	46	9.99	999	0
01/ 7	63	1	30	-7	47	-3	.00	58	40	49	9.99	999	0
01/ 8	67	5	32	-5	50	0	.00	61	42	52	9.99	999	0
01/ 9	67	5	38	1	53	3	.00	62	47	55	9.99	999	0
01/10	73	11	42	5	58	8	.00	66	48	57	9.99	999	0
01/11	63	1	31	-6	47	-3	.00	62	46	54	9.99	999	0
01/12	63	1	29	-7	46	-3	.00	62	41	52	9.99	999	0
01/13	45	-17	21	-15	33	-16	.00	55	37	46	9.99	999	0
01/14	60	-2	21	-15	41	-8	.00	60	37	49	9.99	999	0
01/15	70	8	28	-9	49	-1	.00	62	40	51	9.99	999	0
01/16	53	-9	23	-14	38	-12	.00	59	38	49	9.99	999	0
01/17	53	-9	19	-18	36	-14	.00	55	37	46	9.99	999	0
01/18	60	-2	20	-17	40	-10	.00	58	37	48	9.99	999	0
01/19	46	-16	27	-10	37	-13	.00	54	38	46	9.99	999	0
01/20	43	-19	21	-16	32	-18	1.36	44	38	41	9.99	999	0
01/21	44	-18	36	-1	40	-10	.62	44	40	42	9.99	999	0
01/22	44	-18	38	1	41	-9	.06	47	43	45	9.99	999	0
01/23	53	-9	27	-10	40	-10	.00	53	39	46	9.99	999	0
01/24	47	-16	24	-13	36	-14	.00	47	36	42	9.99	999	0
01/25	56	-7	24	-13	40	-10	.00	57	36	47	9.99	999	0
01/26	59	-4	30	-7	45	-5	88.88	59	41	50	9.99	999	0
01/27	55	-8	31	-6	43	-7	.92	50	41	46	9.99	999	0
01/28	50	-13	35	-2	43	-7	.01	50	44	47	9.99	999	0
01/29	57	-6	32	-5	45	-5	.00	58	44	51	9.99	999	0
01/30	65	2	40	3	53	3	.80	58	44	51	9.99	999	0
01/31	64	0	36	-1	50	-1	.00	65	46	56	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 56.5 Mean Minimum= 30.4 Average= 43.4
 DFN= -5.9 DFN= -6.5 DFN= -6.2
 Highest= 73 Lowest= 19

PRECIPITATION STATISTICS:

Total= 6.50 DFN= +1.90 Greatest Daily= 1.69 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
01/ 1	58	1	39	4	49	3	.89	58	48	53	9.99	999	0
01/ 2	56	-1	47	12	52	6	2.40	58	49	54	9.99	999	0
01/ 3	54	-3	41	6	48	2	.07	59	48	54	9.99	999	0
01/ 4	47	-10	29	-5	38	-8	.00	48	44	46	9.99	999	0
01/ 5	55	-2	30	-4	43	-3	.00	55	44	50	9.99	999	0
01/ 6	53	-4	31	-3	42	-4	.00	54	44	49	9.99	999	0
01/ 7	62	5	39	5	51	5	.00	57	45	51	9.99	999	0
01/ 8	63	6	41	7	52	6	.00	57	41	49	9.99	999	0
01/ 9	68	11	49	15	59	13	.00	61	51	56	9.99	999	0
01/10	67	10	51	17	59	13	.00	62	55	59	9.99	999	0
01/11	55	-2	38	4	47	1	.12	57	49	53	9.99	999	0
01/12	62	6	30	-4	46	1	.00	57	43	50	9.99	999	0
01/13	42	-14	26	-8	34	-11	.00	52	42	47	9.99	999	0
01/14	60	4	27	-7	44	-1	.00	52	41	47	9.99	999	0
01/15	70	14	39	5	55	10	.00	57	44	51	9.99	999	0
01/16	48	-9	26	-8	37	-9	.00	55	42	49	9.99	999	0
01/17	48	-9	24	-10	36	-10	.00	52	41	47	9.99	999	0
01/18	55	-2	25	-9	40	-6	.00	52	41	47	9.99	999	0
01/19	43	-14	28	-6	36	-10	.00	50	41	46	9.99	999	0
01/20	45	-12	28	-6	37	-9	.87	47	41	44	9.99	999	0
01/21	44	-13	33	-1	39	-7	.51	43	43	43	9.99	999	0
01/22	42	-15	39	5	41	-5	.05	45	42	44	9.99	999	0
01/23	45	-12	37	3	41	-5	.00	47	42	45	9.99	999	0
01/24	44	-13	26	-8	35	-11	.00	48	46	47	9.99	999	0
01/25	48	-9	28	-6	38	-8	.00	49	40	45	9.99	999	0
01/26	55	-2	33	-2	44	-2	.00	53	42	48	9.99	999	0
01/27	54	-3	33	-2	44	-2	.50	49	42	46	9.99	999	0
01/28	49	-9	40	5	45	-2	.06	50	48	49	9.99	999	0
01/29	54	-4	39	4	47	0	.00	56	47	52	9.99	999	0
01/30	67	9	43	8	55	8	.41	57	46	52	9.99	999	0
01/31	55	-3	38	3	47	0	.00	56	48	52	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 53.8 Mean Minimum= 34.7 Average= 44.3
 DFN= -3.2 DFN= +.5 DFN= -1.4
 Highest= 70 Lowest= 24

PRECIPITATION STATISTICS:

Total= 5.88 DFN= +.96 Greatest Daily= 2.40 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
01/ 1	58	-4	41	-1	50	-2	2.81	57	50	54	9.99	999	0
01/ 2	62	0	54	12	58	6	.80	57	54	56	.01	999	0
01/ 3	59	-3	42	0	51	-1	.02	60	52	56	.08	999	0
01/ 4	46	-16	34	-8	40	-12	.00	52	46	49	.03	999	0
01/ 5	57	-5	34	-8	46	-6	.00	54	45	50	.06	999	0
01/ 6	56	-6	36	-6	46	-6	88.88	53	45	49	.04	999	0
01/ 7	63	1	36	-6	50	-2	.00	56	46	51	.06	999	0
01/ 8	67	5	40	-2	54	2	.00	58	46	52	.06	999	0
01/ 9	68	6	50	9	59	7	.00	58	50	54	.04	999	0
01/10	71	9	51	10	61	9	.00	63	53	58	.07	999	0
01/11	68	7	40	-1	54	3	88.88	62	51	57	9.99	999	0
01/12	61	0	35	-6	48	-3	.00	57	47	52	.18	999	0
01/13	48	-13	28	-13	38	-13	.00	49	43	46	9.99	999	0
01/14	58	-3	28	-13	43	-8	.00	52	43	48	.08	999	0
01/15	65	4	34	-7	50	-1	.00	56	45	51	.05	999	0
01/16	52	-9	28	-13	40	-11	.00	53	42	48	9.99	999	0
01/17	52	-10	31	-10	42	-10	.00	54	42	48	9.99	999	0
01/18	56	-6	31	-10	44	-8	.00	52	42	47	.10	999	0
01/19	47	-15	34	-7	41	-11	.00	50	40	45	9.99	999	0
01/20	42	-20	34	-7	38	-14	1.23	44	44	44	9.99	999	0
01/21	53	-9	41	0	47	-5	.31	48	44	46	9.99	999	0
01/22	47	-15	39	-2	43	-9	88.88	50	47	49	.03	999	0
01/23	51	-11	34	-7	43	-9	.00	54	44	49	.06	999	0
01/24	52	-10	31	-10	42	-10	.00	53	43	48	.06	999	0
01/25	55	-7	31	-11	43	-9	.00	53	42	48	.07	999	0
01/26	61	-1	37	-5	49	-3	.00	55	44	50	.08	999	0
01/27	53	-9	46	4	50	-2	1.42	49	47	48	9.99	999	0
01/28	50	-12	42	0	46	-6	.01	49	49	49	.01	999	0
01/29	59	-3	41	-1	50	-2	.00	57	49	53	.09	999	0
01/30	69	7	53	11	61	9	.00	59	49	54	.03	999	0
01/31	62	0	46	4	54	2	.00	63	53	58	.11	999	0

AIR TEMPERATURES:

Mean Maximum= 57.0 Mean Minimum= 38.1 Average= 47.6
 DFN= -4.8 DFN= -3.4 DFN= -4.1
 Highest= 71 Lowest= 28

PRECIPITATION STATISTICS:

Total= 6.60 DFN= +2.41 Greatest Daily= 2.81 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= .06 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
01/ 1	49	-10	44	7	47	-1	1.07	55	51	53	.03	24	0
01/ 2	53	-6	46	9	50	2	.68	57	54	56	.02	24	0
01/ 3	58	-1	43	6	51	3	.27	58	54	56	.13	24	0
01/ 4	47	-12	33	-4	40	-8	.00	54	46	50	.08	12	0
01/ 5	54	-5	31	-6	43	-5	.00	48	44	46	.02	0	0
01/ 6	54	-5	31	-6	43	-5	.00	47	42	45	.05	0	0
01/ 7	60	1	38	1	49	1	.00	52	42	47	.14	0	0
01/ 8	65	6	43	6	54	6	.00	55	43	49	9.99	999	0
01/ 9	67	8	43	11	58	10	.00	59	45	52	9.99	999	0
01/10	55	-3	45	8	50	2	.02	56	51	54	9.99	999	0
01/11	52	-6	40	3	46	-2	.00	56	51	54	.00	12	0
01/12	60	2	33	-4	47	-1	.00	54	45	50	.13	8	0
01/13	43	-15	27	-10	35	-13	.00	45	41	43	.12	0	0
01/14	55	-3	30	-7	43	-5	.00	50	39	45	.10	0	0
01/15	65	7	34	-3	50	2	.00	54	41	48	.01	0	0
01/16	52	-6	25	-12	39	-9	.00	51	42	47	.12	0	0
01/17	52	-6	28	-9	40	-8	.00	45	38	42	.10	0	0
01/18	56	-3	29	-8	43	-5	.00	49	39	44	.00	0	0
01/19	48	-11	27	-10	38	-10	.00	45	40	43	.13	0	0
01/20	45	-14	29	-8	37	-11	.86	47	39	43	.00	12	0
01/21	36	-23	30	-7	33	-15	.66	44	40	42	.05	24	0
01/22	40	-17	35	-2	38	-10	.11	46	43	45	.07	999	0
01/23	46	-13	39	2	43	-5	.00	46	44	45	.04	999	0
01/24	50	-9	29	-8	40	-8	.00	50	42	46	.08	0	0
01/25	50	-9	31	-6	41	-7	.00	50	41	46	.04	12	0
01/26	55	-4	33	-4	44	-4	.00	50	41	46	.04	0	0
01/27	59	0	40	3	50	2	.49	52	43	48	.04	999	0
01/28	49	-10	35	-2	42	-6	.11	50	46	48	.04	24	0
01/29	55	-4	35	-2	45	-3	.00	55	45	50	.04	0	0
01/30	64	4	35	-2	50	1	.46	58	45	52	.07	24	0
01/31	70	10	44	7	57	8	.00	66	52	59	.07	0	0

AIR TEMPERATURES:

Mean Maximum= 53.7 Mean Minimum= 35.2 Average= 44.4
 DFN= -5.1 DFN= -1.8 DFN= -3.5
 Highest= 70 Lowest= 25

PRECIPITATION STATISTICS:

Total= 4.73 DFN= -.54 Greatest Daily= 1.07 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .06 Hours of Wet Vegetation= 8.0 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
01/ 1	60	4	32	-3	46	0	.19	55	45	50	9.99	999	0
01/ 2	50	-6	43	8	47	1	1.43	51	51	51	9.99	999	0
01/ 3	52	-4	37	2	45	-1	.06	52	49	51	9.99	999	0
01/ 4	48	-8	26	-8	37	-8	.00	53	42	48	9.99	999	0
01/ 5	54	-2	26	-8	40	-5	.00	52	42	47	9.99	999	0
01/ 6	52	-4	26	-8	39	-6	.00	49	41	45	9.99	999	0
01/ 7	62	6	32	-2	47	2	.00	54	43	49	9.99	999	0
01/ 8	62	6	35	1	49	4	.00	55	45	50	9.99	999	0
01/ 9	64	8	46	12	55	10	88.88	57	50	54	9.99	999	0
01/10	62	6	44	10	53	8	88.88	56	52	54	9.99	999	0
01/11	55	0	33	-1	44	-1	.12	53	46	50	9.99	999	0
01/12	61	6	27	-7	44	-1	.00	54	42	48	9.99	999	0
01/13	42	-13	22	-12	32	-13	.00	48	40	44	9.99	999	0
01/14	57	2	23	-11	40	-5	.00	51	40	46	9.99	999	0
01/15	70	15	29	-5	50	5	.00	51	41	46	9.99	999	0
01/16	48	-8	20	-14	34	-11	.00	50	40	45	9.99	999	0
01/17	46	-10	20	-14	33	-12	.00	48	39	44	9.99	999	0
01/18	54	-2	21	-13	38	-7	.00	48	39	44	9.99	999	0
01/19	44	-12	20	-14	32	-13	.00	46	38	42	9.99	999	0
01/20	44	-12	21	-13	33	-12	.54	41	38	40	9.99	999	0
01/21	37	-19	30	-4	34	-11	.75	38	38	38	9.99	999	0
01/22	39	-17	33	-1	36	-9	.03	40	38	39	9.99	999	0
01/23	44	-12	35	0	40	-6	88.88	43	40	42	9.99	999	0
01/24	41	-15	25	-10	33	-13	.00	43	39	41	9.99	999	0
01/25	47	-9	29	-6	38	-8	.00	46	39	43	9.99	999	0
01/26	55	-1	27	-8	41	-5	.00	51	40	46	9.99	999	0
01/27	51	-6	28	-7	40	-6	.50	45	40	43	9.99	999	0
01/28	49	-8	30	-5	40	-6	.10	48	44	46	9.99	999	0
01/29	49	-8	31	-4	40	-6	.00	50	44	47	9.99	999	0
01/30	61	4	38	3	50	4	.30	50	44	47	9.99	999	0
01/31	57	0	34	-1	46	0	.00	54	47	51	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 52.2 Mean Minimum= 29.8 Average= 41.0
 DFN= -3.8 DFN= -4.6 DFN= -4.2
 Highest= 70 Lowest= 20

PRECIPITATION STATISTICS:

Total= 4.02 DFN= -.49 Greatest Daily= 1.43 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN 1983
ALABAMA

DATE	AIR TEMPERATURE				4 INCH SOIL			VEG	SOLAR				
	MAX	DFN	MIN	DFN	AVG	DFN	PRECIP	MAX	MIN	MEAN	EVAP	WET	ENERGY
01/ 1	51	1	37	6	44	3	.00	51	44	48	9.99	999	0
01/ 2	49	-1	38	7	44	3	.78	49	46	48	9.99	999	0
01/ 3	46	-3	33	2	40	0	.29	49	43	46	9.99	999	0
01/ 4	44	-5	23	-8	34	-6	.00	49	39	44	9.99	999	0
01/ 5	49	0	24	-7	37	-3	.00	47	38	43	9.99	999	0
01/ 6	49	0	27	-4	38	-2	.00	48	37	43	9.99	999	0
01/ 7	57	8	33	2	45	5	.00	51	41	46	9.99	999	0
01/ 8	52	3	28	-3	40	0	.00	50	40	45	9.99	999	0
01/ 9	49	0	34	4	42	2	.37	45	40	43	9.99	999	0
01/10	52	3	38	8	45	5	.05	49	40	45	9.99	999	0
01/11	47	-2	30	0	39	-1	.10	46	40	43	9.99	999	0
01/12	53	4	24	-6	39	-1	88.88	49	38	44	9.99	999	0
01/13	34	-15	21	-9	28	-12	.00	38	35	37	9.99	999	0
01/14	50	1	23	-7	37	-3	.00	45	35	40	9.99	999	0
01/15	63	14	28	-2	46	6	.00	48	36	42	9.99	999	0
01/16	35	-14	20	-10	28	-12	.00	39	35	37	9.99	999	0
01/17	41	-8	20	-10	31	-9	.00	41	34	38	9.99	999	0
01/18	47	-2	19	-11	33	-7	.00	41	34	38	9.99	999	0
01/19	34	-15	17	-13	26	-14	.00	36	33	35	9.99	999	0
01/20	40	-9	18	-12	29	-11	.00	34	33	34	9.99	999	0
01/21	33	-16	23	-7	28	-12	.69	34	33	34	9.99	999	0
01/22	35	-14	33	3	34	-6	.05	35	33	34	9.99	999	0
01/23	38	-11	32	2	35	-5	.07	38	35	37	9.99	999	0
01/24	38	-12	31	1	35	-5	.00	39	37	38	9.99	999	0
01/25	35	-15	30	0	33	-7	.00	38	38	38	9.99	999	0
01/26	48	-2	23	-7	36	-4	.00	42	36	39	9.99	999	0
01/27	49	-1	23	-7	36	-4	.25	45	36	41	9.99	999	0
01/28	43	-7	24	-7	34	-7	.00	43	36	40	9.99	999	0
01/29	54	4	24	-7	39	-2	.02	49	36	43	9.99	999	0
01/30	55	4	36	5	46	5	.15	46	38	42	9.99	999	0
01/31	52	1	33	2	43	2	.00	51	40	46	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 45.9 Mean Minimum= 27.3 Average= 36.6
 DFN= -3.5 DFN= -3.1 DFN= -3.3
 Highest= 63 Lowest= 17

PRECIPITATION STATISTICS:

Total= 2.82 DFN= -2.23 Greatest Daily= .78 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
01/ 1	53	4	43	11	51	8	.00	59	38	49	9.99	999	0
01/ 2	58	4	38	6	48	5	1.50	58	38	48	9.99	999	0
01/ 3	52	-2	37	5	45	2	.06	53	47	50	9.99	999	0
01/ 4	47	-7	28	-4	38	-5	.00	54	40	47	9.99	999	0
01/ 5	54	0	27	-4	41	-2	.00	55	39	47	9.99	999	0
01/ 6	53	-1	32	1	43	0	.00	53	39	46	9.99	999	0
01/ 7	59	5	39	8	49	6	.00	56	42	49	9.99	999	0
01/ 8	63	9	40	9	52	9	.00	57	43	50	9.99	999	0
01/ 9	62	8	45	14	54	11	.00	55	48	52	9.99	999	0
01/10	61	7	44	13	53	10	.11	57	51	54	9.99	999	0
01/11	50	-4	35	4	43	0	.12	52	44	48	9.99	999	0
01/12	58	5	28	-3	43	1	.00	55	40	48	9.99	999	0
01/13	42	-11	23	-8	33	-9	.00	48	38	43	9.99	999	0
01/14	56	3	25	-6	41	-1	.00	53	37	45	9.99	999	0
01/15	66	13	32	1	49	7	.00	56	39	48	9.99	999	0
01/16	45	-9	23	-8	34	-9	.00	50	37	44	9.99	999	0
01/17	47	-7	23	-8	35	-8	.00	51	37	44	9.99	999	0
01/18	55	1	21	-10	38	-5	.00	53	37	45	9.99	999	0
01/19	40	-14	20	-11	30	-13	.00	48	35	42	9.99	999	0
01/20	43	-11	20	-11	32	-11	.42	48	34	39	9.99	999	0
01/21	35	-19	28	-3	32	-11	.81	38	36	37	9.99	999	0
01/22	38	-16	34	3	36	-7	.06	40	36	38	9.99	999	0
01/23	43	-11	36	5	40	-3	.01	44	40	42	9.99	999	0
01/24	43	-11	34	2	39	-4	.00	43	41	42	9.99	999	0
01/25	43	-11	27	-5	35	-8	.00	43	38	41	9.99	999	0
01/26	52	-2	26	-6	39	-4	.00	53	36	45	9.99	999	0
01/27	54	0	41	9	48	5	.44	50	36	43	9.99	999	0
01/28	45	-10	28	-4	37	-7	.02	47	40	44	9.99	999	0
01/29	55	0	28	-4	42	-2	.00	56	39	48	9.99	999	0
01/30	60	5	38	6	49	5	.33	54	41	48	9.99	999	0
01/31	57	2	35	3	46	2	.00	56	44	50	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 51.4 Mean Minimum= 31.5 Average= 41.5
 DFN= -2.6 DFN= +.2 DFN= -1.2
 Highest= 66 Lowest= 20

PRECIPITATION STATISTICS:

Total= 3.88 DFN= -1.52 Greatest Daily= 1.50 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
01/ 1	54	1	39	8	47	5	.00	51	48	50	9.99	999	0
01/ 2	51	-2	42	11	47	5	.48	49	49	49	9.99	999	0
01/ 3	48	-5	34	3	41	-1	.07	51	46	49	9.99	999	0
01/ 4	49	-4	24	-7	37	-5	.00	52	41	47	9.99	999	0
01/ 5	55	2	25	-6	40	-2	.00	51	41	46	9.99	999	0
01/ 6	53	0	31	0	42	0	.00	49	44	47	9.99	999	0
01/ 7	60	7	32	1	46	4	.00	54	45	50	9.99	999	0
01/ 8	58	5	37	6	48	6	.03	52	45	49	9.99	999	0
01/ 9	53	0	43	12	48	6	.70	50	48	49	9.99	999	0
01/10	55	2	49	18	52	10	.55	51	49	50	9.99	999	0
01/11	58	5	30	0	44	2	.04	55	45	50	9.99	999	0
01/12	60	7	28	-2	44	2	.00	52	41	47	9.99	999	0
01/13	43	-10	22	-8	33	-9	.00	48	40	44	9.99	999	0
01/14	59	6	22	-8	41	-1	.00	50	40	45	9.99	999	0
01/15	67	14	28	-2	48	6	.00	52	40	46	9.99	999	0
01/16	41	-12	18	-12	30	-12	.00	48	38	43	9.99	999	0
01/17	46	-7	18	-12	32	-10	.00	46	38	42	9.99	999	0
01/18	52	-1	18	-12	35	-7	.00	47	38	43	9.99	999	0
01/19	38	-15	20	-10	29	-13	.00	43	37	40	9.99	999	0
01/20	42	-11	21	-10	32	-10	88.88	39	37	38	9.99	999	0
01/21	34	-19	31	0	33	-9	1.37	40	38	39	9.99	999	0
01/22	39	-14	36	5	38	-4	.05	40	40	40	9.99	999	0
01/23	43	-10	34	3	39	-3	.04	44	42	43	9.99	999	0
01/24	38	-15	34	3	36	-6	88.88	41	41	41	9.99	999	0
01/25	48	-5	27	-4	38	-4	.00	48	40	44	9.99	999	0
01/26	54	0	30	-1	42	-1	.00	51	40	46	9.99	999	0
01/27	50	-4	36	5	43	0	.50	45	45	45	9.99	999	0
01/28	43	-11	24	-7	34	-9	.00	45	40	43	9.99	999	0
01/29	55	1	26	-5	41	-2	.00	51	40	46	9.99	999	0
01/30	55	1	38	7	47	4	.19	48	45	47	9.99	999	0
01/31	55	1	33	2	44	1	.00	54	45	50	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 50.2 Mean Minimum= 30.0 Average= 40.1
 DFN= -3.0 DFN= -.7 DFN= -1.9
 Highest= 67 Lowest= 18

PRECIPITATION STATISTICS:

Total= 4.02 DFN= -1.37 Greatest Daily= 1.37 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
02/ 1	57	5	34	3	46	4	.32	53	40	47	9.99	999	0
02/ 2	57	5	50	19	54	12	1.66	52	47	50	9.99	999	0
02/ 3	57	5	32	1	45	3	.04	50	40	45	9.99	999	0
02/ 4	36	-17	26	-5	31	-11	88.88	40	36	38	9.99	999	0
02/ 5	41	-12	26	-5	34	-8	.00	47	36	42	9.99	999	0
02/ 6	40	-13	31	0	36	-6	.48	40	37	39	9.99	999	0
02/ 7	43	-10	32	1	38	-4	.01	44	39	42	9.99	999	0
02/ 8	44	-9	23	-8	34	-8	.00	48	35	42	9.99	999	0
02/ 9	48	-6	23	-8	36	-7	.00	49	35	42	9.99	999	0
02/10	49	-5	41	9	45	2	.53	46	42	44	9.99	999	0
02/11	46	-8	41	9	44	1	.45	46	41	44	9.99	999	0
02/12	45	-9	36	4	41	-2	.00	46	41	44	9.99	999	0
02/13	44	-11	30	-2	37	-7	.00	47	37	42	9.99	999	0
02/14	50	-5	30	-2	40	-4	.00	49	37	43	9.99	999	0
02/15	58	3	29	-3	44	0	.00	53	38	46	9.99	999	0
02/16	58	3	29	-4	44	0	.00	53	38	46	9.99	999	0
02/17	56	0	31	-2	44	-1	.00	48	39	44	9.99	999	0
02/18	63	7	32	-1	48	3	.00	57	39	48	9.99	999	0
02/19	62	6	30	-3	46	1	.00	59	40	50	9.99	999	0
02/20	69	13	31	-2	50	5	.00	61	41	51	9.99	999	0
02/21	69	12	43	10	56	11	.00	61	45	53	9.99	999	0
02/22	66	9	45	11	56	10	.05	62	48	55	9.99	999	0
02/23	60	3	49	15	55	9	1.30	57	51	54	9.99	999	0
02/24	59	2	48	14	54	8	.05	59	51	55	9.99	999	0
02/25	54	-3	34	0	44	-2	.14	56	44	50	9.99	999	0
02/26	54	-4	25	-10	40	-7	.00	54	37	46	9.99	999	0
02/27	50	-8	27	-8	39	-8	.00	51	37	44	9.99	999	0
02/28	51	-7	35	0	43	-4	.17	46	38	42	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 53.1 Mean Minimum= 33.7 Average= 43.4
 DFN= -1.9 DFN= +1.2 DFN= -.4
 Highest= 69 Lowest= 23

PRECIPITATION STATISTICS:

Total= 5.20 DFN= +.72 Greatest Daily= 1.66 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
02/ 1	70	6	36	-1	53	2	.09	63	47	55	9.99	999	0
02/ 2	58	-6	46	9	52	1	5.00	61	51	56	9.99	999	0
02/ 3	59	-5	37	0	48	-3	.00	57	43	50	9.99	999	0
02/ 4	50	-14	26	-11	38	-13	.00	56	39	48	9.99	999	0
02/ 5	54	-10	27	-10	41	-10	.00	54	39	47	9.99	999	0
02/ 6	52	-13	38	1	45	-6	.77	51	44	48	9.99	999	0
02/ 7	50	-15	35	-3	43	-9	.00	52	45	49	9.99	999	0
02/ 8	51	-14	21	-17	36	-16	.00	58	37	48	9.99	999	0
02/ 9	59	-6	22	-16	41	-11	.00	58	37	48	9.99	999	0
02/10	66	1	32	-6	49	-3	.12	58	41	50	9.99	999	0
02/11	63	-3	44	6	54	2	.05	61	49	55	9.99	999	0
02/12	59	-7	39	1	49	-3	.00	63	48	56	9.99	999	0
02/13	52	-14	39	1	46	-6	.03	53	47	50	9.99	999	0
02/14	48	-18	34	-4	41	-11	.14	49	42	46	9.99	999	0
02/15	63	-3	27	-11	45	-7	.00	62	40	51	9.99	999	0
02/16	68	2	27	-12	48	-5	.00	62	40	51	9.99	999	0
02/17	60	-7	45	6	53	0	.89	54	48	51	9.99	999	0
02/18	70	3	31	-8	51	-2	.00	66	44	55	9.99	999	0
02/19	69	2	31	-8	50	-3	.00	64	44	54	9.99	999	0
02/20	74	7	33	-6	54	1	.00	67	44	56	9.99	999	0
02/21	71	3	45	6	58	4	.00	62	48	55	9.99	999	0
02/22	70	2	51	11	61	7	.80	64	52	58	9.99	999	0
02/23	67	-1	48	8	58	4	.00	64	54	59	9.99	999	0
02/24	61	-7	39	-1	50	-4	.00	62	49	56	9.99	999	0
02/25	71	3	40	0	56	2	.00	67	49	58	9.99	999	0
02/26	59	-10	32	-9	46	-9	.00	66	44	55	9.99	999	0
02/27	51	-18	32	-9	42	-13	.00	56	44	50	9.99	999	0
02/28	53	-16	39	-2	46	-9	1.07	52	46	49	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 60.6 Mean Minimum= 35.6 Average= 48.1
 DFN= -5.6 DFN= -3.0 DFN= -4.3
 Highest= 74 Lowest= 21

PRECIPITATION STATISTICS:

Total= 8.96 DFN= +3.39 Greatest Daily= 5.00 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY		
	MAX	DFN	MIN	DFN	AVG		MAX	MIN	MEAN			EVAP	
02/ 1	64	6	40	5	52	5	2.32	58	48	53	9.99	999	0
02/ 2	56	-2	47	12	52	5	3.12	53	53	54	9.99	999	0
02/ 3	52	-7	37	2	45	-2	.00	55	45	50	9.99	999	0
02/ 4	48	-11	30	-5	39	-8	.00	49	41	45	9.99	999	0
02/ 5	49	-10	30	-5	40	-7	.03	52	41	47	9.99	999	0
02/ 6	46	-13	38	3	42	-5	.92	48	45	47	9.99	999	0
02/ 7	48	-11	37	1	43	-5	.00	50	45	48	9.99	999	0
02/ 8	47	-13	24	-12	36	-12	.00	53	40	47	9.99	999	0
02/ 9	54	-6	25	-11	40	-8	.00	54	40	47	9.99	999	0
02/10	55	-5	42	6	49	1	.31	51	43	47	9.99	999	0
02/11	49	-11	44	8	47	-1	.39	51	49	50	9.99	999	0
02/12	52	-8	39	3	46	-2	.00	51	47	49	9.99	999	0
02/13	54	-7	40	4	47	-2	.00	51	47	49	9.99	999	0
02/14	48	-13	35	-2	42	-7	.07	55	45	50	9.99	999	0
02/15	60	-1	31	-6	46	-3	.00	59	44	52	9.99	999	0
02/16	65	4	31	-6	48	-1	.00	56	43	50	9.99	999	0
02/17	58	-4	44	7	51	1	.28	54	47	51	9.99	999	0
02/18	68	6	35	-2	52	2	.00	65	47	56	9.99	999	0
02/19	66	4	36	-1	51	1	.00	62	46	54	9.99	999	0
02/20	71	9	36	-2	54	4	.00	63	42	53	9.99	999	0
02/21	74	11	41	3	58	7	.00	63	49	56	9.99	999	0
02/22	70	7	52	14	61	10	.93	62	52	57	9.99	999	0
02/23	67	4	49	11	58	7	.16	65	55	60	9.99	999	0
02/24	58	-5	43	5	51	0	.01	59	51	55	9.99	999	0
02/25	70	6	44	5	57	5	.09	63	51	57	9.99	999	0
02/26	54	-10	33	-6	44	-8	.00	63	45	54	9.99	999	0
02/27	52	-12	33	-6	43	-9	.00	57	45	51	9.99	999	0
02/28	53	-11	41	2	47	-5	.80	52	46	49	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 57.4 Mean Minimum= 37.8 Average= 47.6
 DFN= -3.7 DFN= +1.0 DFN= -1.4
 Highest= 74 Lowest= 24

PRECIPITATION STATISTICS:

Total= 9.43 DFN= +4.47 Greatest Daily= 3.12 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
02/ 1	71	8	46	4	59	6	.81	62	52	57	.08	999	0
02/ 2	61	-2	49	7	55	2	5.33	63	55	59	9.99	999	0
02/ 3	58	-5	38	-4	48	-5	.00	57	46	52	.20	999	0
02/ 4	53	-10	33	-9	43	-10	.00	55	45	50	.11	999	0
02/ 5	55	-8	33	-9	44	-9	.01	54	44	49	.12	999	0
02/ 6	54	-9	39	-3	47	-6	1.92	51	46	49	9.99	999	0
02/ 7	51	-12	37	-5	44	-9	.01	53	47	50	.08	999	0
02/ 8	51	-12	31	-11	41	-12	.00	55	43	49	9.99	999	0
02/ 9	54	-10	31	-11	43	-10	.00	55	42	49	9.99	999	0
02/10	69	5	46	3	58	4	1.02	60	46	53	9.99	999	0
02/11	64	0	45	2	55	1	.00	63	54	59	.17	999	0
02/12	60	-4	42	-1	51	-3	.00	59	45	52	.10	999	0
02/13	59	-5	44	1	52	-2	.00	60	50	55	9.99	999	0
02/14	50	-14	37	-6	44	-10	88.88	52	45	49	.01	999	0
02/15	61	-4	36	-7	49	-5	.00	59	45	52	.09	999	0
02/16	68	3	39	-4	54	0	.04	61	45	53	.09	999	0
02/17	59	-6	51	7	55	0	.07	57	54	56	.03	999	0
02/18	70	5	45	1	58	3	.00	65	50	58	.14	999	0
02/19	68	3	41	-3	55	0	.00	63	50	57	.11	999	0
02/20	71	6	49	5	60	5	.00	66	50	58	.11	999	0
02/21	71	5	50	6	61	6	.00	66	53	60	.13	999	0
02/22	66	0	51	7	59	4	.42	63	58	61	.05	999	0
02/23	64	-2	53	8	59	3	.00	65	57	61	.15	999	0
02/24	63	-3	45	0	54	-2	.00	64	55	60	.09	999	0
02/25	67	1	47	2	57	1	.00	66	55	61	.13	999	0
02/26	60	-7	37	-8	49	-7	.00	65	49	57	.18	999	0
02/27	52	-15	38	-8	45	-12	.09	57	49	53	.11	999	0
02/28	52	-15	40	-6	46	-11	1.89	51	49	50	.03	999	0

AIR TEMPERATURES:

Mean Maximum= 60.8 Mean Minimum= 41.9 Average= 51.3
 DFN= -3.8 DFN= -1.5 DFN= -2.7
 Highest= 71 Lowest= 31

PRECIPITATION STATISTICS:

Total= 11.61 DFN= +7.04 Greatest Daily= 5.33 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .10 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE							PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN	DFN		MAX	MIN	MEAN			
02/ 1	70	10	44	7	57	8	.00	64	51	58	.06	999	0	
02/ 2	67	7	50	12	59	10	1.96	62	56	59	.15	24	0	
02/ 3	64	4	28	-10	46	-3	.00	63	49	56	.17	16	0	
02/ 4	50	-10	31	-7	41	-8	.00	55	41	48	.06	0	0	
02/ 5	52	-8	32	-6	42	-7	.00	52	42	47	.14	0	0	
02/ 6	51	-10	40	2	46	-4	.23	52	47	50	.05	0	0	
02/ 7	53	-8	41	3	47	-3	.04	56	49	53	.08	0	0	
02/ 8	49	-12	26	-12	38	-12	.00	54	41	48	.03	0	0	
02/ 9	54	-7	27	-11	41	-9	.00	52	44	48	.19	0	0	
02/10	65	4	37	-1	51	1	.00	57	42	50	.10	0	0	
02/11	53	-9	46	7	50	-1	.56	52	47	50	.04	12	0	
02/12	56	-6	40	1	48	-3	.00	58	49	54	.06	0	0	
02/13	55	-7	43	4	49	-2	.00	56	49	53	.04	24	0	
02/14	54	-8	47	8	51	0	1.74	53	38	46	.18	24	0	
02/15	60	-2	36	-3	48	-3	.00	56	45	51	.16	12	0	
02/16	66	4	39	0	53	2	.00	59	44	52	.06	0	0	
02/17	65	2	49	10	57	6	.15	59	48	54	.05	12	0	
02/18	69	6	38	-2	54	2	.00	65	49	57	.17	0	0	
02/19	69	6	38	-2	54	2	.00	61	49	55	.09	0	0	
02/20	70	7	39	-1	55	3	.00	63	50	57	.17	0	0	
02/21	72	8	47	7	60	8	.00	66	47	57	.21	0	0	
02/22	68	4	53	13	61	9	.09	57	51	54	9.99	999	0	
02/23	70	6	51	10	61	8	.47	67	58	63	.18	24	0	
02/24	57	-7	43	2	50	-3	.00	60	52	56	.10	13	0	
02/25	70	6	44	3	57	4	.12	66	50	58	.15	9	0	
02/26	60	-5	42	1	51	-2	.00	65	50	58	.20	0	0	
02/27	56	-9	30	-12	43	-11	.00	50	47	49	.18	8	0	
02/28	52	-13	42	0	47	-7	.24	52	46	49	.03	24	0	

AIR TEMPERATURES:

Mean Maximum= 60.6 Mean Minimum= 40.1 Average= 50.4
 DFN= -1.7 DFN= +.8 DFN= -.4
 Highest= 72 Lowest= 26

PRECIPITATION STATISTICS:

Total= 5.60 DFN= +.64 Greatest Daily= 1.96 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .11 Hours of Wet Vegetation= 7.8 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
02/ 1	61	4	34	-1	48	2	1.77	55	47	51	9.99	999	0
02/ 2	56	-2	42	7	49	2	3.02	52	51	52	9.99	999	0
02/ 3	49	-9	33	-2	41	-6	.00	52	44	48	9.99	999	0
02/ 4	44	-14	25	-10	35	-12	.00	45	39	42	9.99	999	0
02/ 5	48	-10	27	-8	38	-9	.03	47	37	42	9.99	999	0
02/ 6	43	-16	33	-2	38	-9	.75	43	42	43	9.99	999	0
02/ 7	48	-11	35	0	42	-5	.02	47	42	45	9.99	999	0
02/ 8	45	-14	22	-14	34	-14	.00	50	40	45	9.99	999	0
02/ 9	51	-8	22	-14	37	-11	.00	52	38	45	9.99	999	0
02/10	50	-9	36	0	43	-5	.25	46	42	44	9.99	999	0
02/11	48	-12	41	5	45	-3	.40	46	46	46	9.99	999	0
02/12	54	-6	34	-2	44	-4	.00	52	45	49	9.99	999	0
02/13	49	-11	34	-2	42	-6	.00	50	45	48	9.99	999	0
02/14	49	-11	32	-4	41	-7	.05	49	44	47	9.99	999	0
02/15	60	0	28	-8	44	-4	.00	55	42	49	9.99	999	0
02/16	62	1	28	-9	45	-4	.00	56	42	49	9.99	999	0
02/17	60	-1	39	2	50	1	.17	50	45	48	9.99	999	0
02/18	65	4	33	-4	49	0	.00	59	45	52	9.99	999	0
02/19	65	4	31	-6	48	-1	.00	61	49	55	9.99	999	0
02/20	70	8	32	-5	51	1	.00	60	45	53	9.99	999	0
02/21	70	8	45	7	58	8	.00	58	47	53	9.99	999	0
02/22	68	6	53	15	61	11	.85	57	51	54	9.99	999	0
02/23	67	5	40	2	54	4	.38	62	53	58	9.99	999	0
02/24	57	-6	39	1	48	-3	.02	55	50	53	9.99	999	0
02/25	66	3	40	2	53	2	.02	60	50	55	9.99	999	0
02/26	54	-9	28	-11	41	-10	.00	59	43	51	9.99	999	0
02/27	52	-11	28	-11	40	-11	.00	52	42	47	9.99	999	0
02/28	52	-11	39	0	46	-5	.59	47	42	45	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 55.8 Mean Minimum= 34.0 Average= 44.9
 DFN= -4.6 DFN= -2.6 DFN= -3.6
 Highest= 70 Lowest= 22

PRECIPITATION STATISTICS:

Total= 8.32 DFN= +3.72 Greatest Daily= 3.02 Rain Days= 14

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
02/ 1	57	6	34	3	46	5	.20	50	40	45	9.99	999	0
02/ 2	60	9	46	15	53	12	2.27	49	45	47	9.99	999	0
02/ 3	52	1	29	-2	41	0	.04	51	39	45	9.99	999	0
02/ 4	34	-18	25	-6	30	-12	.00	39	36	38	9.99	999	0
02/ 5	37	-15	25	-6	31	-11	.00	44	36	40	9.99	999	0
02/ 6	36	-16	27	-4	32	-10	.88	38	36	37	9.99	999	0
02/ 7	40	-12	30	-1	35	-7	.00	41	38	40	9.99	999	0
02/ 8	38	-14	19	-12	29	-13	.00	41	36	39	9.99	999	0
02/ 9	47	-6	24	-7	36	-6	.00	45	34	40	9.99	999	0
02/10	46	-7	35	4	41	-1	.11	41	38	40	9.99	999	0
02/11	44	-9	38	6	41	-2	.53	41	40	41	9.99	999	0
02/12	44	-9	34	2	39	-4	.00	45	40	43	9.99	999	0
02/13	48	-5	32	0	40	-3	.00	49	39	44	9.99	999	0
02/14	47	-7	32	0	40	-3	.00	47	49	48	9.99	999	0
02/15	55	1	27	-5	41	-2	.00	52	37	45	9.99	999	0
02/16	58	4	27	-5	43	0	.00	49	37	43	9.99	999	0
02/17	55	1	38	5	47	3	.00	46	39	43	9.99	999	0
02/18	60	5	29	-4	45	1	.00	53	39	46	9.99	999	0
02/19	61	6	30	-3	46	2	.00	53	39	46	9.99	999	0
02/20	61	6	30	-3	46	2	.00	53	39	46	9.99	999	0
02/21	67	12	42	9	55	11	.00	56	43	50	9.99	999	0
02/22	65	9	43	9	54	9	.03	55	44	50	9.99	999	0
02/23	62	6	47	13	55	10	2.73	56	49	53	9.99	999	0
02/24	58	2	40	6	49	4	.07	57	48	53	9.99	999	0
02/25	54	-2	33	-1	44	-1	.10	53	44	49	9.99	999	0
02/26	43	-14	22	-12	33	-13	.00	50	38	44	9.99	999	0
02/27	49	-8	25	-10	37	-9	.00	49	37	43	9.99	999	0
02/28	48	-9	32	-3	40	-6	.16	44	37	41	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 50.9 Mean Minimum= 32.0 Average= 41.4
 DFN= -3.0 DFN= -.4 DFN= -1.7
 Highest= 67 Lowest= 19

PRECIPITATION STATISTICS:

Total= 7.12 DFN= +2.23 Greatest Daily= 2.73 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
02/ 1	60	5	35	3	48	4	.78	55	43	49	9.99	999	0
02/ 2	59	4	47	15	53	9	2.54	53	51	52	9.99	999	0
02/ 3	50	-6	28	-4	39	-5	.00	51	41	46	9.99	999	0
02/ 4	39	-17	26	-6	33	-11	.00	43	36	40	9.99	999	0
02/ 5	39	-17	27	-5	33	-11	.03	51	35	43	9.99	999	0
02/ 6	49	-7	31	-1	40	-4	.60	43	40	42	9.99	999	0
02/ 7	43	-13	34	2	39	-5	.02	45	40	43	9.99	999	0
02/ 8	43	-14	22	-10	33	-12	.00	49	36	43	9.99	999	0
02/ 9	52	-5	22	-11	37	-8	.00	53	35	44	9.99	999	0
02/10	49	-8	39	6	44	-1	.21	46	42	44	9.99	999	0
02/11	47	-10	42	9	45	0	.36	46	44	45	9.99	999	0
02/12	53	-4	35	2	44	-1	.00	54	41	48	9.99	999	0
02/13	50	-8	39	6	45	-1	.00	53	44	49	9.99	999	0
02/14	47	-11	37	4	42	-4	.03	47	44	46	9.99	999	0
02/15	60	2	32	-1	46	0	.00	58	40	49	9.99	999	0
02/16	63	5	38	4	51	5	.00	56	40	48	9.99	999	0
02/17	59	1	46	12	53	7	.19	52	42	47	9.99	999	0
02/18	67	8	36	2	52	5	.00	62	42	52	9.99	999	0
02/19	65	6	34	0	50	3	.00	60	42	51	9.99	999	0
02/20	70	11	44	10	57	10	.00	61	45	53	9.99	999	0
02/21	70	11	47	12	59	12	.00	62	48	55	9.99	999	0
02/22	68	8	54	19	61	13	.86	64	48	56	9.99	999	0
02/23	66	6	49	14	58	10	.22	66	54	60	9.99	999	0
02/24	57	-3	45	10	51	3	.04	57	49	53	9.99	999	0
02/25	57	-3	38	2	48	0	.07	60	47	54	9.99	999	0
02/26	52	-9	38	2	45	-4	.00	60	39	50	9.99	999	0
02/27	50	-11	40	4	45	-4	.00	55	38	47	9.99	999	0
02/28	51	-10	39	3	45	-4	.68	48	42	45	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 54.8 Mean Minimum= 37.3 Average= 46.1
 DFN= -3.2 DFN= +3.7 DFN= +.3
 Highest= 70 Lowest= 22

PRECIPITATION STATISTICS:

Total= 6.63 DFN= +1.50 Greatest Daily= 2.54 Rain Days= 14

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG	SOLAR	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
02/ 1	60	5	34	3	47	4	1.20	53	50	52	9.99	999	0
02/ 2	58	3	44	13	51	8	1.45	52	52	52	9.99	999	0
02/ 3	45	-10	32	1	39	-4	.04	53	42	48	9.99	999	0
02/ 4	40	-15	22	-9	31	-12	.00	42	39	41	9.99	999	0
02/ 5	43	-12	23	-9	33	-11	.20	46	39	43	9.99	999	0
02/ 6	41	-15	30	-2	36	-8	1.10	41	39	40	9.99	999	0
02/ 7	45	-11	33	1	39	-5	88.88	44	41	43	9.99	999	0
02/ 8	46	-10	17	-15	32	-12	.00	50	38	44	9.99	999	0
02/ 9	53	-3	17	-15	35	-9	88.88	50	38	44	9.99	999	0
02/10	50	-6	30	-2	40	-4	1.38	44	41	43	9.99	999	0
02/11	44	-13	41	9	43	-2	.35	46	41	44	9.99	999	0
02/12	52	-5	32	0	42	-3	88.88	52	44	48	9.99	999	0
02/13	47	-10	29	-4	38	-7	.00	50	40	45	9.99	999	0
02/14	53	-4	27	-6	40	-5	.00	50	40	45	9.99	999	0
02/15	60	2	26	-7	43	-3	.00	55	41	48	9.99	999	0
02/16	63	5	30	-3	47	1	.00	54	44	49	9.99	999	0
02/17	55	-3	30	-3	43	-3	88.88	48	42	45	9.99	999	0
02/18	65	7	30	-4	48	2	.00	55	42	49	9.99	999	0
02/19	65	6	28	-6	47	0	.00	57	44	51	9.99	999	0
02/20	70	11	37	3	54	7	.00	60	47	54	9.99	999	0
02/21	70	11	49	15	60	13	.00	59	51	55	9.99	999	0
02/22	70	11	49	15	60	13	.82	60	55	58	9.99	999	0
02/23	62	2	48	13	55	7	.70	59	54	57	9.99	999	0
02/24	61	1	42	7	52	4	.50	57	52	55	9.99	999	0
02/25	55	-5	33	-2	44	-4	.17	58	48	53	9.99	999	0
02/26	50	-10	25	-10	38	-10	.00	56	42	49	9.99	999	0
02/27	50	-11	30	-6	40	-9	.00	51	41	46	9.99	999	0
02/28	52	-9	36	0	44	-5	.41	46	45	46	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 54.5 Mean Minimum= 32.3 Average= 43.4
 DFN= -3.1 DFN= -1.8 DFN= -2.0
 Highest= 70 Lowest= 17

PRECIPITATION STATISTICS:

Total= 8.32 DFN= +3.94 Greatest Daily= 1.45 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE							PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN	MAX		MIN	MEAN				
03/ 1	50	-8	39	4	45	-2	.41	48	43	46	9.99	999	0	
03/ 2	67	8	39	3	53	5	.00	61	43	52	9.99	999	0	
03/ 3	72	13	39	3	56	8	.00	65	45	55	9.99	999	0	
03/ 4	79	20	47	11	63	15	.00	68	49	59	9.99	999	0	
03/ 5	78	18	50	13	64	15	.35	69	54	62	9.99	999	0	
03/ 6	65	5	56	19	61	12	2.90	60	56	58	9.99	999	0	
03/ 7	75	15	55	18	65	16	.00	68	55	62	9.99	999	0	
03/ 8	78	18	49	12	64	15	.03	72	55	64	9.99	999	0	
03/ 9	57	-4	36	-2	47	-3	.00	65	49	57	9.99	999	0	
03/10	57	-4	36	-2	47	-3	.00	65	49	57	9.99	999	0	
03/11	36	-25	25	-13	31	-19	.00	46	40	43	9.99	999	0	
03/12	41	-21	23	-15	32	-18	.00	46	40	43	9.99	999	0	
03/13	48	-14	26	-13	37	-14	.00	51	38	45	9.99	999	0	
03/14	60	-2	30	-9	45	-6	.00	61	38	50	9.99	999	0	
03/15	74	11	43	4	59	8	.00	67	47	57	9.99	999	0	
03/16	75	12	46	6	61	9	.00	68	52	60	9.99	999	0	
03/17	69	6	44	4	57	5	.01	63	55	59	9.99	999	0	
03/18	66	2	52	12	59	7	.51	61	55	58	9.99	999	0	
03/19	54	-10	47	6	51	-2	.20	57	51	54	9.99	999	0	
03/20	65	1	47	6	56	3	.00	68	51	60	9.99	999	0	
03/21	57	-8	35	-6	46	-7	.57	57	48	53	9.99	999	0	
03/22	40	-25	29	-12	35	-18	.00	49	40	45	9.99	999	0	
03/23	47	-19	29	-13	38	-16	.00	58	40	49	9.99	999	0	
03/24	53	-13	33	-9	43	-11	.02	57	43	50	9.99	999	0	
03/25	52	-14	27	-15	40	-14	.13	53	39	46	9.99	999	0	
03/26	57	-10	28	-15	43	-12	.00	60	39	50	9.99	999	0	
03/27	55	-12	43	0	49	-6	.65	50	44	47	9.99	999	0	
03/28	66	-1	40	-3	53	-2	.00	62	47	55	9.99	999	0	
03/29	44	-24	36	-8	40	-16	.00	49	44	47	9.99	999	0	
03/30	59	-9	36	-8	48	-8	.00	63	44	54	9.99	999	0	
03/31	57	-12	41	-3	49	-8	.16	55	48	52	9.99	999	0	

AIR TEMPERATURES:

Mean Maximum= 59.8 Mean Minimum= 38.9 Average= 49.3
 DFN= -3.4 DFN= -.8 DFN= -2.1
 Highest= 79 Lowest= 23

PRECIPITATION STATISTICS:

Total= 5.94 DFN= -.56 Greatest Daily= 2.90 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
03/ 1	52	-17	45	4	49	-6	1.33	51	49	50	9.99	999	0
03/ 2	70	0	38	-4	54	-2	.00	65	48	57	9.99	999	0
03/ 3	77	7	39	-3	58	2	.00	71	48	60	9.99	999	0
03/ 4	79	9	53	11	66	10	.00	74	58	66	9.99	999	0
03/ 5	77	7	54	12	66	10	.00	74	58	66	9.99	999	0
03/ 6	70	-1	48	6	59	2	3.68	65	54	60	9.99	999	0
03/ 7	80	9	47	4	64	7	.00	72	52	62	9.99	999	0
03/ 8	81	10	47	4	64	7	.00	73	55	64	9.99	999	0
03/ 9	72	1	37	-6	55	-2	.00	72	51	62	9.99	999	0
03/10	64	-8	36	-7	50	-8	.00	69	49	59	9.99	999	0
03/11	48	-24	30	-14	39	-19	.00	56	44	50	9.99	999	0
03/12	46	-26	25	-19	36	-22	.00	53	40	47	9.99	999	0
03/13	59	-13	27	-17	43	-15	.00	66	40	53	9.99	999	0
03/14	69	-4	32	-12	51	-8	.00	71	43	57	9.99	999	0
03/15	73	0	43	-2	58	-1	.00	74	51	63	9.99	999	0
03/16	65	-8	46	1	56	-3	2.01	63	54	59	9.99	999	0
03/17	73	0	51	6	62	3	.76	61	58	60	9.99	999	0
03/18	56	-18	49	4	53	-7	.37	58	55	57	9.99	999	0
03/19	72	-2	40	-6	56	-4	.00	74	51	63	9.99	999	0
03/20	78	4	41	-5	60	0	.00	74	51	63	9.99	999	0
03/21	71	-3	43	-3	57	-3	.83	66	50	58	9.99	999	0
03/22	54	-21	27	-19	41	-20	.00	59	42	51	9.99	999	0
03/23	58	-17	30	-16	44	-17	.00	62	42	52	9.99	999	0
03/24	60	-15	35	-12	48	-13	.73	59	46	53	9.99	999	0
03/25	44	-32	28	-19	36	-26	.00	49	41	45	9.99	999	0
03/26	67	-9	30	-17	49	-13	.00	68	41	55	9.99	999	0
03/27	63	-13	39	-8	51	-11	2.14	56	48	52	9.99	999	0
03/28	76	0	33	-15	55	-7	.00	69	48	59	9.99	999	0
03/29	63	-14	33	-15	48	-15	.00	68	46	57	9.99	999	0
03/30	67	-10	36	-12	52	-11	.00	70	46	58	9.99	999	0
03/31	53	-24	44	-4	49	-14	.22	56	53	55	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 65.7 Mean Minimum= 38.9 Average= 52.3
 DFN= -7.5 DFN= -5.9 DFN= -6.7
 Highest= 81 Lowest= 25

PRECIPITATION STATISTICS:

Total= 12.07 DFN= +5.87 Greatest Daily= 3.68 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
03/ 1	50	-15	42	2	46	-7	1.30	50	48	49	9.99	999	0
03/ 2	68	3	44	4	56	3	.00	64	49	57	9.99	999	0
03/ 3	77	12	47	7	62	9	.00	67	49	58	9.99	999	0
03/ 4	80	15	52	12	66	13	.00	69	54	62	9.99	999	0
03/ 5	79	13	54	13	67	13	.00	69	57	63	9.99	999	0
03/ 6	70	4	50	9	60	6	1.50	69	55	62	9.99	999	0
03/ 7	81	15	51	10	66	12	.01	72	56	64	9.99	999	0
03/ 8	81	15	49	8	65	11	.00	70	56	63	9.99	999	0
03/ 9	70	3	42	0	56	1	.00	67	52	60	9.99	999	0
03/10	70	3	42	0	56	1	.00	67	52	60	9.99	999	0
03/11	41	-26	33	-9	37	-18	.00	51	46	49	9.99	999	0
03/12	42	-26	32	-11	37	-19	.00	999	999	999	9.99	999	0
03/13	55	-13	30	-13	43	-13	.00	60	45	53	9.99	999	0
03/14	65	-3	31	-12	48	-8	.00	62	46	54	9.99	999	0
03/15	75	6	47	4	61	5	.00	63	51	57	9.99	999	0
03/16	73	4	49	5	61	4	2.66	65	53	59	9.99	999	0
03/17	64	-5	54	10	59	2	.12	62	58	60	9.99	999	0
03/18	55	-14	52	8	54	-3	.14	58	56	57	9.99	999	0
03/19	70	0	43	-1	57	0	.00	66	54	60	9.99	999	0
03/20	76	6	46	1	61	3	.07	71	54	63	9.99	999	0
03/21	68	-2	42	-3	55	-3	1.36	73	53	63	9.99	999	0
03/22	50	-21	31	-14	41	-17	.00	56	46	51	9.99	999	0
03/23	55	-16	33	-13	44	-15	.00	61	46	54	9.99	999	0
03/24	60	-11	33	-13	47	-12	1.30	60	48	54	9.99	999	0
03/25	46	-26	30	-16	38	-21	.02	51	44	48	9.99	999	0
03/26	62	-10	32	-15	47	-13	.00	62	44	53	9.99	999	0
03/27	58	-14	47	0	53	-7	1.90	62	45	54	9.99	999	0
03/28	74	1	39	-8	57	-3	.00	68	49	59	9.99	999	0
03/29	60	-13	34	-13	47	-13	.00	66	48	57	9.99	999	0
03/30	63	-10	39	-9	51	-10	.01	67	48	58	9.99	999	0
03/31	63	-10	45	-3	54	-7	.07	57	51	54	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 64.5 Mean Minimum= 41.8 Average= 53.2
 DFN= -4.4 DFN= -1.9 DFN= -3.1
 Highest= 81 Lowest= 30

PRECIPITATION STATISTICS:

Total= 10.46 DFN= +3.21 Greatest Daily= 2.66 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
03/ 1	50	-17	43	-3	47	-10	1.23	49	49	49	9.99	999	0
03/ 2	68	0	48	2	58	1	.00	64	49	57	.11	999	0
03/ 3	69	1	52	6	61	4	.00	66	51	59	.11	999	0
03/ 4	74	6	56	9	65	7	.00	70	59	65	.10	999	0
03/ 5	73	5	60	13	67	9	.03	68	59	64	.12	999	0
03/ 6	69	0	54	7	62	4	3.11	66	58	62	9.99	999	0
03/ 7	75	6	55	8	65	7	.00	71	58	65	.16	999	0
03/ 8	78	9	55	7	67	8	.00	74	60	67	.15	999	0
03/ 9	71	2	44	-4	58	-1	.00	71	56	64	.23	999	0
03/10	66	-4	38	-10	52	-7	.00	67	51	59	.20	999	0
03/11	53	-17	35	-13	44	-15	.00	64	49	57	.17	999	0
03/12	48	-22	33	-16	41	-19	.00	64	46	55	.12	999	0
03/13	59	-11	34	-15	47	-13	.00	66	46	56	.14	999	0
03/14	64	-7	42	-7	53	-7	.00	68	48	58	.11	999	0
03/15	71	0	51	2	61	1	.00	72	55	64	.15	999	0
03/16	65	-6	53	3	59	-2	.78	63	58	61	9.99	999	0
03/17	62	-9	55	5	59	-2	.63	62	58	60	.07	999	0
03/18	58	-13	53	3	56	-5	.08	60	58	59	9.99	999	0
03/19	71	-1	49	-1	60	-1	.00	70	56	63	9.99	999	0
03/20	72	0	52	1	62	0	.00	72	56	64	.16	999	0
03/21	69	-3	44	-7	57	-5	.74	67	55	61	.18	999	0
03/22	56	-16	33	-18	45	-17	.00	65	49	57	.18	999	0
03/23	58	-15	36	-15	47	-15	.00	64	48	56	.14	999	0
03/24	60	-13	38	-14	49	-14	.51	58	50	54	.06	999	0
03/25	49	-24	33	-19	41	-22	.00	53	45	49	.06	999	0
03/26	66	-7	38	-14	52	-11	.00	65	45	55	.10	999	0
03/27	65	-9	52	0	59	-4	1.82	67	50	59	9.99	999	0
03/28	72	-2	45	-8	59	-5	.00	70	53	62	.24	999	0
03/29	63	-11	39	-14	51	-13	.00	68	51	60	.24	999	0
03/30	66	-8	40	-13	53	-11	.01	68	50	59	.14	999	0
03/31	59	-16	49	-4	54	-10	.44	57	55	56	.01	999	0

AIR TEMPERATURES:

Mean Maximum= 64.5 Mean Minimum= 45.5 Average= 55.0
 DFN= -6.5 DFN= -4.2 DFN= -5.3
 Highest= 78 Lowest= 33

PRECIPITATION STATISTICS:

Total= 9.38 DFN= +3.44 Greatest Daily= 3.11 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .14 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
03/ 1	54	-11	40	-2	47	-7	.65	54	49	52	.00	24	0
03/ 2	69	3	45	3	57	3	.00	64	51	58	.20	8	0
03/ 3	77	11	49	6	63	8	.00	68	50	59	.10	3	0
03/ 4	77	11	53	10	65	10	.00	71	56	64	.11	8	0
03/ 5	75	9	55	12	65	10	.00	70	58	64	.21	0	0
03/ 6	72	5	47	4	60	5	1.83	65	61	63	9.99	16	0
03/ 7	81	14	58	14	70	14	.00	74	59	67	.15	8	0
03/ 8	76	9	55	11	66	10	.00	71	63	67	.09	3	0
03/ 9	76	8	42	-2	59	3	.00	74	56	65	.20	0	0
03/10	76	8	42	-2	59	3	.00	74	56	65	.20	0	0
03/11	40	-28	35	-10	38	-19	.00	56	49	53	.07	0	0
03/12	50	-18	31	-14	41	-16	.00	60	48	54	.14	8	0
03/13	55	-14	31	-14	43	-14	.00	62	46	54	.15	8	0
03/14	69	0	42	-3	56	-1	.00	69	48	59	.09	8	0
03/15	74	5	45	-1	60	2	.00	70	54	62	.14	9	0
03/16	64	-5	48	2	56	-2	.60	61	54	58	.03	17	0
03/17	70	0	50	4	60	2	.53	68	58	63	.12	9	0
03/18	56	-14	49	3	53	-5	.69	62	58	60	.03	24	0
03/19	64	-6	47	0	56	-3	.01	64	55	60	.05	2	0
03/20	75	4	47	0	61	2	.00	74	54	64	.14	7	0
03/21	69	-2	45	-2	57	-2	.30	68	55	62	.06	18	0
03/22	52	-19	38	-10	45	-15	.00	59	47	53	.13	0	0
03/23	57	-15	37	-11	47	-13	.00	60	46	53	.13	2	0
03/24	62	-10	41	-7	52	-8	.48	65	50	58	.16	91	0
03/25	49	-23	33	-15	41	-19	.11	55	45	50	.10	18	0
03/26	64	-9	39	-10	52	-9	.00	66	43	55	.24	0	0
03/27	66	-7	48	-1	57	-4	2.38	60	50	55	9.99	16	0
03/28	76	3	43	-6	60	-1	.00	73	55	64	.32	0	0
03/29	63	-11	37	-13	50	-12	.00	68	51	60	.21	12	0
03/30	65	-9	41	-9	53	-9	.00	70	50	60	.15	6	0
03/31	56	-18	49	-1	53	-9	.18	59	54	57	.03	18	0

AIR TEMPERATURES:

Mean Maximum= 65.5 Mean Minimum= 43.9 Average= 54.7
 DFN= -4.2 DFN= -2.1 DFN= -3.1

Highest= 81 Lowest= 31

PRECIPITATION STATISTICS:

Total= 7.76 DFN= +2.32 Greatest Daily= 2.38 Rain Days= 11

AVERAGE DAILY VALUES:

Pan. Evaporation= .13 Hours of Wet Vegetation= 8.4 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
03/ 1	49	-15	38	-1	44	-8	1.90	47	46	47	9.99	999	0
03/ 2	68	4	40	0	54	2	.00	60	46	53	9.99	999	0
03/ 3	74	10	41	1	58	6	.00	65	49	57	9.99	999	0
03/ 4	80	15	49	9	65	12	.00	69	54	62	9.99	999	0
03/ 5	73	13	51	10	65	12	.00	65	56	61	9.99	999	0
03/ 6	69	4	50	9	60	7	1.80	61	57	59	9.99	999	0
03/ 7	79	14	48	7	64	11	.00	70	56	63	9.99	999	0
03/ 8	79	13	46	5	63	9	.00	69	56	63	9.99	999	0
03/ 9	66	0	36	-6	51	-3	.00	64	50	57	9.99	999	0
03/10	66	0	36	-6	51	-3	.00	64	50	57	9.99	999	0
03/11	39	-27	30	-12	35	-19	88.88	47	42	45	9.99	999	0
03/12	41	-26	30	-12	36	-19	.00	45	42	44	9.99	999	0
03/13	55	-12	27	-16	41	-14	.00	55	42	49	9.99	999	0
03/14	64	-3	27	-16	46	-9	.00	59	42	51	9.99	999	0
03/15	75	8	43	0	59	4	.00	65	49	57	9.99	999	0
03/16	70	2	45	2	58	2	.70	62	52	57	9.99	999	0
03/17	65	-3	51	7	58	2	.34	60	57	59	9.99	999	0
03/18	55	-13	49	5	52	-4	.16	53	51	52	9.99	999	0
03/19	65	-4	41	-3	53	-4	.00	60	51	56	9.99	999	0
03/20	72	3	43	-2	58	1	88.88	68	52	60	9.99	999	0
03/21	65	-4	38	-7	52	-5	.57	60	52	56	9.99	999	0
03/22	46	-24	27	-18	37	-21	.00	52	43	48	9.99	999	0
03/23	52	-18	29	-16	41	-17	.00	56	42	49	9.99	999	0
03/24	57	-13	30	-16	44	-14	1.10	55	45	50	9.99	999	0
03/25	47	-24	27	-19	37	-22	.25	50	43	47	9.99	999	0
03/26	61	-10	30	-16	46	-13	.00	62	43	53	9.99	999	0
03/27	72	1	40	-6	56	-3	1.54	62	46	54	9.99	999	0
03/28	66	-5	34	-13	50	-9	.00	62	46	54	9.99	999	0
03/29	56	-16	30	-17	43	-17	.00	58	46	52	9.99	999	0
03/30	63	-9	32	-15	48	-12	.00	62	46	54	9.99	999	0
03/31	52	-20	40	-8	46	-14	.06	52	49	51	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 62.8 Mean Minimum= 38.0 Average= 50.4
 DFN= -5.1 DFN= -5.5 DFN= -5.3
 Highest= 80 Lowest= 27

PRECIPITATION STATISTICS:

Total= 8.42 DFN= +2.05 Greatest Daily= 1.90 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
03/ 1	47	-10	38	3	43	-3	.36	46	41	44	9.99	999	0
03/ 2	64	6	38	2	51	4	.00	55	43	49	9.99	999	0
03/ 3	69	11	40	4	55	8	.00	60	43	52	9.99	999	0
03/ 4	76	18	51	15	64	17	.00	62	47	55	9.99	999	0
03/ 5	76	18	54	18	65	18	.00	63	51	57	9.99	999	0
03/ 6	62	3	57	20	60	12	2.63	57	55	56	9.99	999	0
03/ 7	74	15	51	14	63	15	.00	63	52	58	9.99	999	0
03/ 8	77	18	49	12	63	15	88.88	64	52	58	9.99	999	0
03/ 9	62	2	34	-4	48	-1	.00	59	48	54	9.99	999	0
03/10	48	-12	28	-10	38	-11	.00	54	43	49	9.99	999	0
03/11	34	-26	27	-11	31	-18	.00	43	39	41	9.99	999	0
03/12	41	-20	29	-9	35	-15	.00	44	39	42	9.99	999	0
03/13	45	-16	24	-15	35	-15	.00	43	38	41	9.99	999	0
03/14	61	0	29	-10	45	-5	.00	55	38	47	9.99	999	0
03/15	73	12	42	3	58	8	.00	61	44	53	9.99	999	0
03/16	74	12	50	10	62	11	.00	63	48	56	9.99	999	0
03/17	67	5	47	7	57	6	88.88	56	52	54	9.99	999	0
03/18	53	-9	48	8	51	0	.59	52	52	52	9.99	999	0
03/19	54	-9	46	6	50	-2	.04	53	50	52	9.99	999	0
03/20	65	2	46	5	56	4	88.88	63	50	57	9.99	999	0
03/21	54	-10	32	-9	43	-10	.67	53	47	50	9.99	999	0
03/22	37	-27	25	-16	31	-22	.00	47	39	43	9.99	999	0
03/23	47	-17	27	-15	37	-16	.00	53	39	46	9.99	999	0
03/24	52	-13	30	-12	41	-13	.61	53	41	47	9.99	999	0
03/25	42	-23	25	-17	34	-20	.00	46	38	42	9.99	999	0
03/26	57	-8	29	-14	43	-11	.00	57	38	48	9.99	999	0
03/27	54	-12	39	-4	47	-8	.98	57	41	49	9.99	999	0
03/28	70	4	36	-7	53	-2	.00	58	45	52	9.99	999	0
03/29	42	-25	35	-8	39	-16	.00	46	42	44	9.99	999	0
03/30	57	-10	38	-6	48	-8	.00	57	43	50	9.99	999	0
03/31	56	-11	42	-2	49	-7	.24	53	41	47	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 57.7 Mean Minimum= 38.3 Average= 48.0
 DFN= -4.3 DFN= -1.4 DFN= -2.8
 Highest= 77 Lowest= 24

PRECIPITATION STATISTICS:

Total= 6.12 DFN= +.10 Greatest Daily= 2.63 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
03/ 1	48	-13	43	6	46	-3	1.68	46	44	45	9.99	999	0
03/ 2	68	6	45	8	57	7	.00	64	46	55	9.99	999	0
03/ 3	75	13	51	14	63	13	.00	68	47	58	9.99	999	0
03/ 4	78	16	54	16	66	16	.00	78	52	65	9.99	999	0
03/ 5	76	14	60	22	68	18	.00	78	55	67	9.99	999	0
03/ 6	67	4	53	15	60	9	2.15	61	57	59	9.99	999	0
03/ 7	72	9	49	11	61	10	.00	70	54	62	9.99	999	0
03/ 8	79	16	50	11	65	14	.00	70	54	62	9.99	999	0
03/ 9	69	6	35	-4	52	1	.00	68	48	58	9.99	999	0
03/10	56	-8	31	-8	44	-8	.00	63	46	55	9.99	999	0
03/11	37	-27	30	-9	34	-18	88.88	48	42	45	9.99	999	0
03/12	42	-22	31	-9	37	-15	.00	48	40	44	9.99	999	0
03/13	53	-12	31	-9	42	-11	.00	61	42	52	9.99	999	0
03/14	65	0	32	-8	49	-4	.00	65	42	54	9.99	999	0
03/15	75	10	46	5	61	8	.00	70	49	60	9.99	999	0
03/16	76	11	47	6	62	9	.10	68	51	60	9.99	999	0
03/17	60	-6	49	3	55	1	.16	59	54	57	9.99	999	0
03/18	52	-14	47	6	50	-4	.32	56	53	55	9.99	999	0
03/19	58	-8	44	2	51	-3	.01	56	49	53	9.99	999	0
03/20	73	6	45	3	59	4	.00	70	49	60	9.99	999	0
03/21	61	-6	38	-4	50	-5	.88	58	48	53	9.99	999	0
03/22	45	-22	27	-16	36	-19	.00	52	40	46	9.99	999	0
03/23	54	-14	30	-13	42	-14	.00	60	39	50	9.99	999	0
03/24	55	-13	31	-12	43	-13	1.25	55	39	47	9.99	999	0
03/25	44	-24	29	-14	37	-19	.00	48	38	43	9.99	999	0
03/26	60	-9	36	-8	48	-9	.00	63	37	50	9.99	999	0
03/27	57	-12	46	2	52	-5	1.52	51	42	47	9.99	999	0
03/28	72	3	36	-8	54	-3	.00	64	45	55	9.99	999	0
03/29	57	-13	31	-14	44	-14	.00	60	43	52	9.99	999	0
03/30	64	-6	40	-5	52	-6	.00	65	42	54	9.99	999	0
03/31	51	-20	42	-3	47	-11	.04	52	47	50	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 61.3 Mean Minimum= 40.6 Average= 50.9
 DFN= -4.4 DFN= -.3 DFN= -2.3
 Highest= 79 Lowest= 27

PRECIPITATION STATISTICS:

Total= 8.11 DFN= +1.00 Greatest Daily= 2.15 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
03/ 1	50	-11	41	5	46	-3	.85	47	47	47	9.99	999	0
03/ 2	68	7	37	1	53	4	.00	61	49	55	.19	999	0
03/ 3	75	13	45	8	60	10	.00	64	54	59	.11	999	0
03/ 4	79	17	52	15	66	16	.00	66	56	61	.11	999	0
03/ 5	78	16	54	17	66	16	1.10	65	60	63	9.99	999	0
03/ 6	65	2	55	17	60	9	3.96	60	59	60	9.99	999	0
03/ 7	78	15	51	13	65	14	.00	66	55	61	.23	999	0
03/ 8	79	16	47	9	63	12	.03	66	55	61	.27	999	0
03/ 9	61	-3	33	-5	47	-4	.00	61	49	55	.14	999	0
03/10	49	-15	29	-10	39	-13	.00	55	46	51	.08	999	0
03/11	35	-29	29	-10	32	-20	88.88	47	42	45	.03	999	0
03/12	41	-23	31	-8	36	-16	.00	46	42	44	.04	999	0
03/13	51	-14	25	-14	38	-14	.00	57	44	51	.09	999	0
03/14	67	2	27	-13	47	-6	.00	61	44	53	.11	999	0
03/15	75	10	41	1	58	5	.00	62	50	56	.15	999	0
03/16	75	9	42	2	59	6	.00	65	52	59	.18	999	0
03/17	65	-1	52	12	59	6	.03	60	56	58	.11	999	0
03/18	60	-6	51	10	56	2	.32	57	56	57	.02	999	0
03/19	58	-9	42	1	50	-4	.02	58	52	55	.02	999	0
03/20	73	6	47	6	60	6	.02	62	52	57	.11	999	0
03/21	60	-8	36	-6	48	-7	.70	58	51	55	.13	999	0
03/22	42	-26	23	-19	33	-22	.00	50	42	46	9.99	999	0
03/23	52	-16	24	-18	38	-17	.00	56	42	49	9.99	999	0
03/24	55	-14	31	-11	43	-13	.45	55	45	50	9.99	999	0
03/25	56	-13	24	-19	40	-16	.00	55	42	49	9.99	999	0
03/26	62	-7	39	-4	51	-5	.00	61	46	54	.15	999	0
03/27	55	-15	46	3	51	-6	.81	50	48	49	.12	999	0
03/28	66	-4	40	-3	53	-4	.00	60	49	55	.35	999	0
03/29	47	-23	28	-16	38	-19	.00	52	44	48	.07	999	0
03/30	63	-8	42	-2	53	-5	.00	61	50	56	.13	999	0
03/31	58	-13	46	2	52	-6	.04	54	52	53	.06	999	0

AIR TEMPERATURES:

Mean Maximum= 61.2 Mean Minimum= 39.0 Average= 50.1
 DFN= -4.7 DFN= -1.2 DFN= -2.9
 Highest= 79 Lowest= 23

PRECIPITATION STATISTICS:

Total= 8.33 DFN= +1.82 Greatest Daily= 3.96 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= .12 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
04/ 1	60	-9	42	-3	51	-6	.00	60	47	54	9.99	999	0
04/ 2	69	-1	42	-3	56	-2	1.16	62	47	55	9.99	999	0
04/ 3	48	-22	42	-3	45	-13	.06	53	47	50	9.99	999	0
04/ 4	59	-11	37	-9	48	-10	.00	61	45	53	9.99	999	0
04/ 5	72	1	36	-10	54	-5	.34	66	45	56	9.99	999	0
04/ 6	58	-13	51	5	55	-4	2.97	56	55	56	9.99	999	0
04/ 7	68	-4	56	9	62	2	.10	63	55	59	9.99	999	0
04/ 8	67	-5	58	11	63	3	.57	64	57	61	9.99	999	0
04/ 9	68	-4	50	3	59	-1	.21	64	59	62	9.99	999	0
04/10	61	-12	39	-8	50	-10	.00	64	49	57	9.99	999	0
04/11	61	-12	37	-11	49	-12	.00	59	46	53	9.99	999	0
04/12	66	-7	39	-9	53	-8	.00	71	46	59	9.99	999	0
04/13	79	5	50	2	65	4	.00	76	52	64	9.99	999	0
04/14	80	6	56	7	68	6	.97	76	59	68	9.99	999	0
04/15	72	-2	38	-11	55	-7	.08	70	50	60	9.99	999	0
04/16	58	-17	34	-15	46	-16	.00	66	47	57	9.99	999	0
04/17	62	-13	34	-15	48	-14	.00	70	46	58	9.99	999	0
04/18	65	-10	46	-4	56	-7	.56	74	52	63	9.99	999	0
04/19	48	-23	29	-21	39	-24	.06	56	42	49	9.99	999	0
04/20	52	-24	30	-20	41	-22	.00	63	42	53	9.99	999	0
04/21	55	-21	32	-18	44	-19	.00	68	43	56	9.99	999	0
04/22	63	-13	35	-16	49	-15	88.88	71	46	59	9.99	999	0
04/23	56	-21	49	-2	53	-11	.86	58	55	57	9.99	999	0
04/24	69	-8	50	-1	60	-4	.44	65	53	59	9.99	999	0
04/25	66	-11	41	-11	54	-11	.00	66	49	58	9.99	999	0
04/26	68	-9	39	-13	54	-11	.00	74	49	62	9.99	999	0
04/27	78	1	39	-13	59	-6	.00	78	52	65	9.99	999	0
04/28	80	2	46	-6	63	-2	.00	81	57	69	9.99	999	0
04/29	80	2	53	1	67	2	.00	78	59	69	9.99	999	0
04/30	80	2	60	7	70	4	.00	77	63	70	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 65.6 Mean Minimum= 43.0 Average= 54.3
 DFN= -8.6 DFN= -5.9 DFN= -7.3
 Highest= 80 Lowest= 29

PRECIPITATION STATISTICS:

Total= 8.88 DFN= +3.71 Greatest Daily= 2.97 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
04/ 1	61	-17	41	-7	51	-12	.00	64	51	58	9.99	999	0
04/ 2	71	-7	45	-4	58	-6	.24	70	51	61	9.99	999	0
04/ 3	63	-15	39	-10	51	-13	.00	66	48	57	9.99	999	0
04/ 4	71	-7	38	-11	55	-9	.00	74	48	61	9.99	999	0
04/ 5	77	-2	43	-6	60	-4	.00	77	50	64	9.99	999	0
04/ 6	75	-4	58	9	67	3	.03	66	59	63	9.99	999	0
04/ 7	83	4	60	10	72	7	1.74	81	65	73	9.99	999	0
04/ 8	73	-6	59	9	66	1	2.83	68	65	67	9.99	999	0
04/ 9	73	-7	54	4	64	-1	.72	68	63	66	9.99	999	0
04/10	70	-10	39	-11	55	-10	.00	76	54	65	9.99	999	0
04/11	73	-7	40	-11	57	-9	.00	72	53	63	9.99	999	0
04/12	80	-1	49	-2	65	-1	.00	79	55	67	9.99	999	0
04/13	80	-1	47	-4	64	-2	.00	84	59	72	9.99	999	0
04/14	80	-1	44	-7	62	-4	1.25	78	61	70	9.99	999	0
04/15	66	-15	49	-2	58	-8	.58	66	57	62	9.99	999	0
04/16	65	-16	38	-14	52	-15	.00	73	50	62	9.99	999	0
04/17	65	-17	35	-17	50	-17	.00	72	42	57	9.99	999	0
04/18	73	-9	42	-10	58	-9	.00	76	51	64	9.99	999	0
04/19	71	-11	32	-20	52	-15	.03	70	49	60	9.99	999	0
04/20	62	-20	40	-12	51	-16	.02	74	49	62	9.99	999	0
04/21	68	-15	37	-16	53	-15	.00	78	53	66	9.99	999	0
04/22	76	-7	45	-8	61	-7	.00	82	53	68	9.99	999	0
04/23	78	-5	52	-1	65	-3	3.62	76	58	67	9.99	999	0
04/24	80	-3	50	-3	65	-3	.00	76	56	66	9.99	999	0
04/25	71	-12	44	-10	58	-11	.00	70	52	61	9.99	999	0
04/26	74	-10	38	-16	56	-13	.00	77	52	65	9.99	999	0
04/27	78	-6	38	-16	58	-11	.00	83	53	68	9.99	999	0
04/28	81	-3	40	-14	61	-8	.00	86	54	70	9.99	999	0
04/29	81	-3	49	-5	65	-4	.00	86	58	72	9.99	999	0
04/30	81	-3	46	-9	64	-6	.00	86	62	74	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 73.3 Mean Minimum= 44.4 Average= 58.8
 DFN= -7.9 DFN= -7.1 DFN= -7.5
 Highest= 83 Lowest= 32

PRECIPITATION STATISTICS:

Total= 11.06 DFN= +5.90 Greatest Daily= 3.62 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	60	-14	46	-2	53	-8	.00	60	52	56	9.99	999	0
04/ 2	76	2	48	-1	62	0	.43	71	52	62	9.99	999	0
04/ 3	63	-11	47	-2	55	-7	.00	65	52	59	9.99	999	0
04/ 4	71	-4	43	-6	57	-5	.00	68	51	60	9.99	999	0
04/ 5	79	4	47	-3	63	0	.00	74	53	64	9.99	999	0
04/ 6	75	0	61	11	68	5	.86	64	58	62	9.99	999	0
04/ 7	79	3	61	11	70	7	2.04	68	62	65	9.99	999	0
04/ 8	68	-8	61	11	65	2	2.04	65	64	65	9.99	999	0
04/ 9	76	0	52	1	64	0	.31	72	63	68	9.99	999	0
04/10	68	-9	40	-11	54	-10	88.88	72	55	64	9.99	999	0
04/11	73	-4	44	-7	59	-5	.00	69	54	62	9.99	999	0
04/12	80	3	51	-1	66	1	.00	77	55	66	9.99	999	0
04/13	83	6	51	-1	67	2	.00	81	59	70	9.99	999	0
04/14	81	3	56	4	69	4	1.13	78	60	69	9.99	999	0
04/15	70	-8	48	-4	59	-6	.00	71	68	70	9.99	999	0
04/16	64	-14	39	-14	52	-14	.00	72	54	63	9.99	999	0
04/17	67	-11	40	-13	54	-12	.00	72	54	63	9.99	999	0
04/18	73	-5	49	-4	61	-5	.03	77	54	66	9.99	999	0
04/19	67	-12	35	-19	51	-16	.04	67	53	60	9.99	999	0
04/20	59	-20	39	-15	49	-18	.00	72	53	63	9.99	999	0
04/21	66	-13	40	-14	53	-14	.00	76	57	67	9.99	999	0
04/22	72	-7	45	-9	59	-8	.00	79	37	68	9.99	999	0
04/23	63	-17	53	-2	58	-10	1.52	67	61	64	9.99	999	0
04/24	78	-2	50	-5	64	-4	.15	74	58	66	9.99	999	0
04/25	70	-10	46	-9	58	-10	.00	73	55	64	9.99	999	0
04/26	73	-7	43	-12	58	-10	.00	76	57	67	9.99	999	0
04/27	80	0	43	-13	62	-6	.00	80	57	69	9.99	999	0
04/28	82	2	47	-9	65	-3	.00	82	60	71	9.99	999	0
04/29	81	0	50	-6	66	-3	.00	83	63	73	9.99	999	0
04/30	83	2	54	-2	69	0	.00	83	66	75	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 72.7 Mean Minimum= 47.6 Average= 60.1
 DFN= -5.0 DFN= -4.9 DFN= -4.9
 Highest= 83 Lowest= 35

PRECIPITATION STATISTICS:

Total= 8.55 DFN= +3.53 Greatest Daily= 2.04 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	66	-9	48	-6	57	-8	.00	70	55	63	.19	999	0
04/ 2	70	-5	49	-5	60	-5	.21	68	55	62	.11	999	0
04/ 3	64	-11	40	-14	52	-13	.00	68	50	59	.18	999	0
04/ 4	66	-10	45	-9	56	-9	.00	70	53	62	9.99	999	0
04/ 5	73	-3	51	-4	62	-4	.00	70	53	62	.15	999	0
04/ 6	77	1	65	10	71	5	.00	71	62	67	.08	999	0
04/ 7	78	2	66	11	72	6	2.48	77	69	73	.26	999	0
04/ 8	72	-5	62	7	67	1	4.02	69	67	68	9.99	999	0
04/ 9	70	-7	53	-2	62	-4	.84	68	64	66	.04	999	0
04/10	66	-11	44	-12	55	-12	.00	74	57	66	.29	999	0
04/11	68	-9	54	-2	61	-6	.00	74	53	64	.18	999	0
04/12	76	-1	54	-2	65	-2	.00	77	60	69	.19	999	0
04/13	76	-2	58	2	67	0	.00	79	62	71	.22	999	0
04/14	75	-3	60	3	68	0	.95	73	62	68	.21	999	0
04/15	67	-11	51	-6	59	-9	.32	67	62	65	.05	999	0
04/16	67	-11	43	-14	55	-13	.00	73	54	64	.28	999	0
04/17	66	-13	43	-14	55	-13	.00	70	55	63	.27	999	0
04/18	75	-4	53	-5	64	-5	.00	75	54	65	.16	999	0
04/19	75	-4	39	-19	57	-12	.00	75	57	66	.20	999	0
04/20	68	-11	43	-15	56	-13	.01	66	57	62	.12	999	0
04/21	67	-12	47	-11	57	-12	.00	76	59	68	.18	999	0
04/22	74	-6	50	-9	62	-8	.00	79	58	69	.20	999	0
04/23	75	-5	54	-5	65	-5	4.14	74	52	63	9.99	999	0
04/24	75	-5	54	-5	65	-5	.00	78	62	70	.23	999	0
04/25	74	-6	49	-10	62	-8	.00	75	59	67	.24	999	0
04/26	74	-7	47	-12	61	-9	.00	75	49	62	.29	999	0
04/27	75	-6	48	-12	62	-9	.00	79	59	69	.22	999	0
04/28	75	-6	51	-9	63	-8	.00	81	61	71	.22	999	0
04/29	78	-3	54	-6	66	-5	.00	84	65	75	.19	999	0
04/30	77	-4	55	-5	66	-5	.00	84	66	75	.20	999	0

AIR TEMPERATURES:

Mean Maximum= 72.0 Mean Minimum= 51.0 Average= 61.5
 DFN= -6.2 DFN= -6.0 DFN= -6.1
 Highest= 78 Lowest= 39

PRECIPITATION STATISTICS:

Total= 12.97 DFN= +8.06 Greatest Daily= 4.14 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= .19 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	63	-12	43	-8	53	-10	.00	68	54	61	.00	11	0
04/ 2	65	-10	44	-7	55	-8	.00	69	55	62	.19	4	0
04/ 3	67	-8	44	-7	56	-7	.00	70	55	63	.19	0	0
04/ 4	72	-4	39	-12	56	-8	.00	75	52	64	.20	999	0
04/ 5	77	1	52	0	65	1	.00	77	53	66	.21	4	0
04/ 6	78	2	61	9	70	6	.00	73	61	67	.09	6	0
04/ 7	82	5	65	13	74	9	.39	79	66	73	.24	6	0
04/ 8	81	4	60	7	71	6	.94	71	69	70	.02	24	0
04/ 9	70	-7	62	9	66	1	2.00	70	69	70	9.99	24	0
04/10	69	-9	44	-9	57	-9	.05	74	58	66	.00	9	0
04/11	72	-6	49	-4	61	-5	.00	75	57	66	.18	4	0
04/12	77	-1	49	-5	63	-3	.00	77	56	67	.15	5	0
04/13	90	12	51	-3	71	5	.00	83	61	72	.22	5	0
04/14	80	1	59	5	70	3	.00	80	64	72	.26	0	0
04/15	66	-13	49	-5	53	-9	.78	68	62	65	.06	24	0
04/16	67	-12	40	-15	54	-13	.00	73	53	64	.18	0	0
04/17	63	-16	41	-14	52	-15	.00	73	53	63	.16	0	0
04/18	70	-10	37	-18	54	-14	.01	75	57	66	.24	4	0
04/19	64	-16	34	-21	49	-19	.43	68	51	60	.11	24	0
04/20	60	-20	27	-29	44	-24	.02	68	50	59	.14	1	0
04/21	66	-14	39	-17	53	-15	.00	75	56	66	.20	0	0
04/22	73	-8	47	-9	60	-9	.00	80	56	68	.20	0	0
04/23	77	-4	53	-2	66	-3	1.79	75	60	68	.14	10	0
04/24	81	0	45	-12	63	-6	.32	80	61	71	.26	14	0
04/25	69	-12	45	-12	58	-12	.00	73	58	66	.19	0	0
04/26	72	-9	45	-12	59	-10	.00	80	58	69	.24	0	0
04/27	79	-2	47	-10	63	-6	.00	84	59	72	.22	0	0
04/28	81	-1	47	-11	64	-6	.00	86	62	74	.28	0	0
04/29	82	0	54	-4	68	-2	.00	88	66	77	.28	0	0
04/30	83	1	56	-2	70	0	.00	89	67	78	.13	0	0

AIR TEMPERATURES:

Mean Maximum= 73.2 Mean Minimum= 47.7 Average= 60.4
 DFN= -5.6 DFN= -6.8 DFN= -6.2
 Highest= 90 Lowest= 27

PRECIPITATION STATISTICS:

Total= 6.93 DFN= +2.35 Greatest Daily= 2.00 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .17 Hours of Wet Vegetation= 6.2 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION 1983
ALABAMA

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	61	-12	40	-8	51	-10	.00	58	49	54	9.99	999	0
04/ 2	75	2	44	-4	60	-1	1.22	64	49	57	9.99	999	0
04/ 3	60	-14	46	-2	53	-8	88.88	59	52	56	9.99	999	0
04/ 4	67	-7	39	-10	53	-9	.00	64	51	58	9.99	999	0
04/ 5	76	2	41	-8	59	-3	.00	66	51	59	9.99	999	0
04/ 6	70	-4	54	5	62	0	.42	62	55	59	9.99	999	0
04/ 7	70	-5	58	8	64	1	1.76	62	60	61	9.99	999	0
04/ 8	66	-9	59	9	63	0	1.40	61	61	61	9.99	999	0
04/ 9	76	1	49	-1	63	0	1.18	68	61	65	9.99	999	0
04/10	65	-11	38	-12	52	-11	.00	68	53	61	9.99	999	0
04/11	71	-5	38	-13	55	-9	.00	66	53	60	9.99	999	0
04/12	75	-1	43	-8	59	-5	.00	69	53	61	9.99	999	0
04/13	81	5	47	-4	64	0	.00	73	56	63	9.99	999	0
04/14	79	2	52	1	66	2	1.32	70	57	64	9.99	999	0
04/15	70	-7	43	-9	57	-8	88.88	67	57	62	9.99	999	0
04/16	62	-15	36	-16	49	-16	.00	67	51	59	9.99	999	0
04/17	64	-13	37	-15	51	-14	.00	66	51	59	9.99	999	0
04/18	70	-8	45	-7	58	-7	.08	66	51	59	9.99	999	0
04/19	62	-16	31	-22	47	-19	.07	63	50	57	9.99	999	0
04/20	57	-21	34	-19	46	-20	.00	64	49	57	9.99	999	0
04/21	64	-14	36	-17	50	-16	.00	70	53	62	9.99	999	0
04/22	69	-10	37	-16	53	-13	.00	71	53	62	9.99	999	0
04/23	61	-18	50	-4	56	-11	1.14	57	57	57	9.99	999	0
04/24	73	-6	48	-6	61	-6	.39	67	57	62	9.99	999	0
04/25	69	-10	40	-14	55	-12	.01	67	53	60	9.99	999	0
04/26	70	-10	39	-15	55	-12	.00	68	53	61	9.99	999	0
04/27	78	-2	39	-16	59	-9	.00	74	53	64	9.99	999	0
04/28	80	0	45	-10	63	-5	.00	77	58	68	9.99	999	0
04/29	80	0	45	-10	63	-5	.00	78	60	69	9.99	999	0
04/30	82	2	52	-3	67	-1	.00	80	64	72	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 70.1 Mean Minimum= 43.5 Average= 56.8
 DFN= -6.8 DFN= -8.2 DFN= -7.5
 Highest= 82 Lowest= 31

PRECIPITATION STATISTICS:

Total= 8.99 DFN= +3.96 Greatest Daily= 1.76 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	56	-12	39	-5	48	-8	.00	57	43	50	9.99	999	0
04/ 2	69	1	35	-10	52	-5	.67	59	45	52	9.99	999	0
04/ 3	47	-21	39	-6	43	-14	.02	51	46	49	9.99	999	0
04/ 4	60	-9	38	-7	49	-8	.00	57	44	51	9.99	999	0
04/ 5	71	2	43	-3	57	-1	.09	61	44	53	9.99	999	0
04/ 6	56	-14	50	4	53	-5	1.65	52	52	52	9.99	999	0
04/ 7	67	-3	54	8	61	3	.07	60	52	56	9.99	999	0
04/ 8	69	-1	57	10	63	4	.53	62	56	59	9.99	999	0
04/ 9	65	-6	54	7	60	1	.43	61	48	55	9.99	999	0
04/10	61	-10	35	-12	48	-11	88.88	63	48	56	9.99	999	0
04/11	63	-8	34	-14	49	-11	88.88	58	47	53	9.99	999	0
04/12	65	-7	43	-5	54	-6	.00	63	47	55	9.99	999	0
04/13	76	4	50	2	63	3	.00	68	50	59	9.99	999	0
04/14	77	5	47	-1	62	2	.53	70	54	62	9.99	999	0
04/15	65	-8	37	-12	51	-10	.07	65	54	60	9.99	999	0
04/16	54	-19	33	-16	44	-17	.00	61	46	54	9.99	999	0
04/17	58	-15	39	-10	49	-12	.00	59	45	52	9.99	999	0
04/18	62	-11	41	-8	52	-9	.28	62	48	55	9.99	999	0
04/19	46	-28	26	-24	36	-26	.02	51	41	46	9.99	999	0
04/20	49	-25	25	-25	37	-25	.00	58	41	50	9.99	999	0
04/21	54	-20	28	-22	41	-21	.00	58	43	51	9.99	999	0
04/22	63	-11	42	-8	53	-9	.02	62	44	53	9.99	999	0
04/23	56	-19	48	-3	52	-11	.47	56	52	54	9.99	999	0
04/24	59	-16	41	-10	50	-13	.85	57	52	55	9.99	999	0
04/25	61	-14	34	-17	48	-15	.00	57	46	52	9.99	999	0
04/26	65	-10	37	-14	51	-12	.00	60	46	53	9.99	999	0
04/27	76	1	43	-9	60	-4	.00	68	47	58	9.99	999	0
04/28	78	2	46	-6	62	-2	.00	72	52	62	9.99	999	0
04/29	77	1	54	2	66	2	.00	70	55	63	9.99	999	0
04/30	79	3	52	0	66	2	.00	73	59	66	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 63.5 Mean Minimum= 41.5 Average= 52.5
 DFN= -8.9 DFN= -7.1 DFN= -8.0
 Highest= 79 Lowest= 25

PRECIPITATION STATISTICS:

Total= 5.70 DFN= +.74 Greatest Daily= 1.65 Rain Days= 14

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	60	-11	40	-6	50	-9	.00	59	48	54	9.99	999	0
04/ 2	73	2	45	-1	59	0	.97	66	47	57	9.99	999	0
04/ 3	55	-17	45	-1	50	-9	.00	55	49	52	9.99	999	0
04/ 4	65	-7	36	-10	51	-8	.00	64	47	56	9.99	999	0
04/ 5	75	3	55	8	65	5	.00	68	47	58	9.99	999	0
04/ 6	69	-4	56	9	63	3	1.04	60	55	58	9.99	999	0
04/ 7	67	-6	56	9	62	2	1.00	62	57	60	9.99	999	0
04/ 8	68	-5	58	11	63	3	2.77	64	59	62	9.99	999	0
04/ 9	70	-4	50	2	60	-1	1.57	67	59	63	9.99	999	0
04/10	64	-10	43	-5	54	-7	.00	67	50	59	9.99	999	0
04/11	69	-5	43	-5	56	-5	.00	64	50	57	9.99	999	0
04/12	75	0	45	-4	60	-2	.00	71	50	61	9.99	999	0
04/13	78	3	50	1	64	2	.00	74	53	64	9.99	999	0
04/14	77	2	57	8	67	5	1.33	75	55	65	9.99	999	0
04/15	68	-7	42	-7	55	-7	.00	66	53	60	9.99	999	0
04/16	62	-14	35	-15	49	-14	.00	71	48	60	9.99	999	0
04/17	64	-12	42	-8	53	-10	.00	70	48	59	9.99	999	0
04/18	70	-6	43	-7	57	-6	.12	72	50	61	9.99	999	0
04/19	57	-20	30	-20	44	-20	.00	62	55	59	9.99	999	0
04/20	57	-20	33	-18	45	-19	.00	66	44	55	9.99	999	0
04/21	63	-14	35	-16	49	-15	.00	72	48	60	9.99	999	0
04/22	70	-7	44	-7	57	-7	.00	74	49	62	9.99	999	0
04/23	60	-18	47	-5	54	-11	3.32	57	55	56	9.99	999	0
04/24	69	-9	46	-6	58	-7	.18	66	54	60	9.99	999	0
04/25	66	-12	40	-12	53	-12	.00	68	51	60	9.99	999	0
04/26	72	-6	39	-13	56	-9	.00	73	49	61	9.99	999	0
04/27	78	0	41	-12	60	-6	.00	76	50	63	9.99	999	0
04/28	78	-1	45	-8	62	-4	.00	80	54	67	9.99	999	0
04/29	81	2	47	-6	64	-2	.00	81	56	69	9.99	999	0
04/30	82	3	56	3	69	3	.00	81	61	71	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 68.7 Mean Minimum= 44.8 Average= 56.8
 DFN= -6.7 DFN= -4.7 DFN= -5.7
 Highest= 82 Lowest= 30

PRECIPITATION STATISTICS:

Total= 12.30 DFN= +6.23 Greatest Daily= 3.32 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD ALABAMA

1963

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
04/ 1	62	-10	45	1	54	-4	.00	58	51	55	.07	999	2776
04/ 2	71	-1	43	-2	57	-2	.77	61	54	58	.31	999	4371
04/ 3	49	-23	42	-3	46	-13	.03	53	49	51	.11	999	790
04/ 4	64	-9	33	-12	49	-10	.00	60	47	54	.21	999	6051
04/ 5	75	2	50	5	63	4	.41	63	57	60	.38	999	5697
04/ 6	59	-14	50	4	55	-5	1.95	58	56	57	9.99	999	370
04/ 7	65	-9	58	12	62	2	.73	58	58	58	9.99	999	855
04/ 8	68	-6	59	13	64	4	1.10	61	58	60	9.99	999	1011
04/ 9	72	-2	46	-1	59	-2	.31	63	59	61	9.99	999	1421
04/10	61	-14	35	-12	48	-13	.00	62	50	56	.12	999	4206
04/11	65	-10	32	-15	49	-12	.00	60	49	55	.29	999	5529
04/12	75	0	38	-9	57	-4	.00	67	49	58	.18	999	7102
04/13	81	5	48	0	65	3	.00	71	55	63	.36	999	7041
04/14	76	0	53	5	65	3	2.40	72	60	66	9.99	999	6417
04/15	71	-5	34	-14	53	-9	.00	71	54	63	.30	999	6913
04/16	61	-16	29	-19	45	-18	.00	61	51	56	.20	999	7359
04/17	65	-12	34	-15	50	-13	.00	68	54	61	.21	999	7276
04/18	70	-7	44	-5	57	-6	.40	70	56	63	.26	999	7191
04/19	50	-27	28	-21	39	-24	.00	57	46	52	9.99	999	2118
04/20	55	-23	29	-20	42	-22	.00	60	48	54	.18	999	6793
04/21	62	-16	31	-19	47	-17	.00	64	50	57	.17	999	7474
04/22	68	-10	43	-7	56	-8	.15	65	56	61	.23	999	5968
04/23	60	-18	48	-2	54	-10	1.97	58	56	57	9.99	999	1451
04/24	69	-9	45	-5	57	-7	.10	63	54	59	.06	999	2289
04/25	67	-12	36	-15	52	-13	.00	65	52	59	.23	999	6090
04/26	73	-6	34	-17	54	-11	.00	68	54	61	.26	999	7762
04/27	78	-1	40	-11	59	-6	.00	72	58	65	.22	999	7725
04/28	80	1	45	-6	63	-2	.00	74	60	67	.30	999	7665
04/29	80	1	48	-4	64	-2	.00	75	60	68	.19	999	6679
04/30	77	-3	60	8	69	3	.00	75	61	68	.26	999	5314

AIR TEMPERATURES:

Mean Maximum= 67.6 Mean Minimum= 42.0 Average= 54.8
 DFN= -8.5 DFN= -6.2 DFN= -7.3
 Highest= 81 Lowest= 28

PRECIPITATION STATISTICS:

Total= 10.32 DFN= +4.91 Greatest Daily= 2.40 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= .22 Hours of Wet Vegetation= 999.9 Solar Energy= 4990.1

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
05/ 1	83	5	63	10	73	7	.15	82	65	74	9.99	999	0
05/ 2	81	3	64	11	73	7	.00	77	67	72	9.99	999	0
05/ 3	81	2	68	15	75	9	.00	79	67	73	9.99	999	0
05/ 4	72	-7	48	-6	60	-7	.72	71	57	64	9.99	999	0
05/ 5	69	-10	47	-7	58	-9	.00	76	57	67	9.99	999	0
05/ 6	77	-2	47	-7	62	-5	.00	81	58	70	9.99	999	0
05/ 7	83	4	49	-5	66	-1	.00	83	60	72	9.99	999	0
05/ 8	84	5	57	2	71	4	.27	84	64	74	9.99	999	0
05/ 9	63	-17	43	-12	53	-15	.00	69	55	62	9.99	999	0
05/10	74	-6	44	-11	59	-9	.00	79	55	67	9.99	999	0
05/11	84	4	50	-5	67	-1	.00	84	60	72	9.99	999	0
05/12	84	4	62	6	73	5	.06	86	68	77	9.99	999	0
05/13	84	3	61	5	73	4	.18	76	66	71	9.99	999	0
05/14	86	5	61	5	74	5	.00	84	66	75	9.99	999	0
05/15	84	3	63	7	74	5	.00	84	68	76	9.99	999	0
05/16	70	-11	57	0	64	-5	1.01	73	65	69	9.99	999	0
05/17	60	-21	45	-12	53	-16	.01	67	66	67	9.99	999	0
05/18	73	-9	48	-9	61	-9	.00	75	56	66	9.99	999	0
05/19	72	-10	59	2	66	-4	4.00	69	61	65	9.99	999	0
05/20	80	-2	64	6	72	2	.23	73	66	70	9.99	999	0
05/21	68	-14	64	6	66	-4	1.72	69	67	68	9.99	999	0
05/22	78	-5	66	8	72	1	.51	75	67	71	9.99	999	0
05/23	79	-4	58	0	69	-2	.00	80	66	73	9.99	999	0
05/24	80	-3	54	-5	67	-4	.11	84	65	75	9.99	999	0
05/25	76	-7	50	-9	63	-8	.00	83	63	73	9.99	999	0
05/26	79	-4	50	-9	65	-6	.00	87	63	75	9.99	999	0
05/27	79	-5	50	-9	65	-7	.00	87	66	77	9.99	999	0
05/28	76	-8	49	-11	63	-9	.00	88	66	77	9.99	999	0
05/29	84	0	58	-2	71	-1	1.20	89	68	79	9.99	999	0
05/30	81	-4	58	-2	70	-3	88.88	86	68	77	9.99	999	0
05/31	76	-9	57	-3	67	-6	.00	88	68	78	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 77.4 Mean Minimum= 55.3 Average= 66.4
 DFN= -3.9 DFN= -1.3 DFN= -2.6
 Highest= 86 Lowest= 43

PRECIPITATION STATISTICS:

Total= 10.17 DFN= +5.93 Greatest Daily= 4.00 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
05/ 1	81	-3	51	-4	66	-4	.00	88	62	75	9.99	999	0
05/ 2	83	-2	55	0	69	-1	.00	87	67	77	9.99	999	0
05/ 3	82	-3	59	4	71	1	.00	85	68	77	9.99	999	0
05/ 4	80	-5	46	-10	63	-8	.15	86	57	72	9.99	999	0
05/ 5	73	-12	42	-14	58	-13	.00	84	57	71	9.99	999	0
05/ 6	81	-4	46	-10	64	-7	.00	89	57	73	9.99	999	0
05/ 7	86	0	47	-9	67	-4	.00	93	62	78	9.99	999	0
05/ 8	83	-3	53	-3	68	-3	.13	91	64	78	9.99	999	0
05/ 9	81	-5	53	-4	67	-5	.45	85	62	74	9.99	999	0
05/10	84	-2	53	-4	69	-3	.00	87	62	75	9.99	999	0
05/11	85	-1	61	4	73	1	.00	90	68	79	9.99	999	0
05/12	85	-2	57	0	71	-1	.15	87	67	77	9.99	999	0
05/13	85	-2	60	3	73	1	.00	87	67	77	9.99	999	0
05/14	87	0	62	4	75	2	.00	94	71	83	9.99	999	0
05/15	86	-1	61	3	74	1	.00	95	72	84	9.99	999	0
05/16	83	-4	60	2	72	-1	2.31	89	72	81	9.99	999	0
05/17	74	-13	50	-8	62	-11	.00	82	61	72	9.99	999	0
05/18	80	-8	52	-7	66	-8	.00	87	62	75	9.99	999	0
05/19	81	-7	65	6	73	-1	88.88	80	68	74	9.99	999	0
05/20	83	-5	64	5	74	0	.45	79	69	74	9.99	999	0
05/21	83	-5	65	6	74	0	.00	83	69	76	9.99	999	0
05/22	85	-3	67	7	76	2	.00	86	71	79	9.99	999	0
05/23	79	-10	68	8	74	-1	.05	76	72	74	9.99	999	0
05/24	86	-3	55	-5	71	-4	.00	96	70	83	9.99	999	0
05/25	85	-4	49	-11	67	-8	.00	97	67	82	9.99	999	0
05/26	83	-6	50	-10	67	-8	.00	96	67	82	9.99	999	0
05/27	86	-3	56	-5	71	-4	.00	98	68	83	9.99	999	0
05/28	86	-4	54	-7	70	-6	.00	98	71	85	9.99	999	0
05/29	90	0	56	-5	73	-3	.00	101	71	86	9.99	999	0
05/30	90	0	62	1	76	0	.00	96	75	86	9.99	999	0
05/31	89	-1	62	0	76	0	.12	100	73	87	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 83.4 Mean Minimum= 56.2 Average= 69.8
 DFN= -3.9 DFN= -2.0 DFN= -3.0
 Highest= 90 Lowest= 42

PRECIPITATION STATISTICS:

Total= 3.81 DFN= -.78 Greatest Daily= 2.31 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
05/ 1	84	3	55	-1	70	1	.00	84	66	75	9.99	999	0
05/ 2	85	4	64	7	75	6	.00	84	64	75	9.99	999	0
05/ 3	84	3	67	10	76	7	.00	81	70	76	9.79	999	0
05/ 4	74	-7	50	-7	62	-7	.09	999	999	999	9.99	999	0
05/ 5	72	-10	45	-12	59	-11	.00	83	62	73	9.99	999	0
05/ 6	81	-1	46	-12	64	-6	.00	86	63	75	9.99	999	0
05/ 7	89	7	53	-5	71	1	.00	89	55	72	9.99	999	0
05/ 8	86	4	57	-1	72	2	.15	89	66	78	9.99	999	0
05/ 9	83	1	51	-7	67	-3	.01	86	66	76	9.99	999	0
05/10	80	-2	52	-7	66	-5	.00	88	66	77	9.99	999	0
05/11	85	2	60	1	73	2	1.38	85	70	78	9.99	999	0
05/12	83	0	61	2	72	1	88.88	82	69	76	9.99	999	0
05/13	85	2	62	3	74	3	.00	84	69	77	9.99	999	0
05/14	87	4	64	4	76	4	.00	87	71	79	9.99	999	0
05/15	85	2	61	1	73	1	.00	999	999	999	9.99	999	0
05/16	83	-1	63	3	73	1	1.00	90	72	81	9.99	999	0
05/17	71	-13	61	1	66	-6	.00	76	65	71	9.99	999	0
05/18	79	-5	53	-7	66	-6	.00	84	65	75	9.99	999	0
05/19	82	-2	65	4	74	1	.07	81	68	75	9.99	999	0
05/20	75	-9	64	3	70	-3	1.25	75	71	73	9.99	999	0
05/21	83	-2	65	4	74	1	88.88	83	71	77	9.99	999	0
05/22	84	-1	70	9	77	4	.10	83	72	78	9.99	999	0
05/23	82	-3	64	2	73	-1	.00	82	71	77	9.99	999	0
05/24	83	-2	63	1	73	-1	.00	87	71	79	9.99	999	0
05/25	80	-6	62	0	71	-3	.00	87	68	78	9.99	999	0
05/26	81	-5	64	2	73	-1	.00	89	68	79	9.99	999	0
05/27	85	-1	57	-6	71	-4	.00	93	69	81	9.99	999	0
05/28	85	-1	58	-5	72	-3	.00	94	72	83	9.99	999	0
05/29	89	3	58	-5	74	-1	.00	94	72	83	9.99	999	0
05/30	88	1	63	0	76	1	.00	95	72	84	9.99	999	0
05/31	87	0	58	-6	73	-3	.00	95	74	85	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 82.6 Mean Minimum= 59.2 Average= 70.9
 DFN= -1.1 DFN= -.8 DFN= -1.0
 Highest= 89 Lowest= 45

PRECIPITATION STATISTICS:

Total= 4.05 DFN= -.14 Greatest Daily= 1.38 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG		SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN	EVAP	WET	
05/ 1	78	-4	65	4	72	0	.00	84	67	76	.20	999	0
05/ 2	80	-2	67	6	74	2	.00	83	67	75	.21	999	0
05/ 3	81	-1	64	3	73	1	.00	84	62	73	.22	999	0
05/ 4	78	-4	55	-6	67	-5	.03	76	65	71	.08	999	0
05/ 5	75	-7	50	-11	63	-9	.00	84	65	75	.24	999	0
05/ 6	77	-6	54	-8	66	-7	.00	86	65	76	.28	999	0
05/ 7	82	-1	54	-8	68	-5	.00	87	69	78	.23	999	0
05/ 8	80	-3	63	1	72	-1	.00	83	69	76	.22	999	0
05/ 9	79	-4	56	-6	68	-5	.00	86	71	79	.20	999	0
05/10	83	0	57	-5	70	-3	.00	90	71	81	.22	999	0
05/11	83	-1	65	2	74	0	.00	87	75	81	.29	999	0
05/12	83	-1	61	-2	72	-2	.00	87	75	81	.11	999	0
05/13	84	0	63	0	74	0	.00	85	74	80	.18	999	0
05/14	83	-1	64	1	74	0	.00	92	74	83	.24	999	0
05/15	83	-1	62	-2	73	-1	.00	92	74	83	.28	999	0
05/16	81	-4	65	1	73	-2	.74	90	74	82	.19	999	0
05/17	78	-7	55	-9	67	-8	.00	83	69	76	.26	999	0
05/18	78	-7	56	-8	67	-8	.00	83	68	76	.24	999	0
05/19	79	-6	68	4	74	-1	88.88	77	70	74	.08	999	0
05/20	83	-2	71	6	77	2	88.88	78	75	77	.11	999	0
05/21	84	-2	71	6	78	2	.00	85	75	80	.20	999	0
05/22	83	-3	72	7	78	2	.00	85	75	80	.20	999	0
05/23	80	-6	69	4	75	-1	.77	77	75	76	.07	999	0
05/24	85	-1	66	0	76	0	.00	87	74	81	.27	999	0
05/25	85	-1	60	-6	73	-3	.00	87	71	79	.32	999	0
05/26	82	-5	57	-9	70	-7	.00	88	71	80	.24	999	0
05/27	88	1	60	-6	74	-3	.00	91	71	81	.20	999	0
05/28	89	2	63	-3	76	-1	.00	94	75	85	.37	999	0
05/29	87	0	67	0	77	0	.00	94	78	86	.22	999	0
05/30	87	0	69	2	78	1	.00	92	78	85	.21	999	0
05/31	86	-2	68	1	77	-1	.00	95	78	87	.26	999	0

AIR TEMPERATURES:

Mean Maximum= 82.1 Mean Minimum= 62.5 Average= 72.3
 DFN= -2.5 DFN= -1.3 DFN= -1.9
 Highest= 89 Lowest= 50

PRECIPITATION STATISTICS:

Total= 1.54 DFN= -3.13 Greatest Daily= .77 Rain Days= 3

AVERAGE DAILY VALUES:

Pan Evaporation= .22 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation, DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
05/ 1	82	0	57	-1	70	0	.00	86	69	78	.23	0	0
05/ 2	83	1	58	-1	71	0	.00	87	72	80	.14	0	0
05/ 3	83	0	55	-4	69	-2	.00	87	70	79	.20	0	0
05/ 4	83	0	50	-9	67	-4	.28	87	63	75	.14	19	0
05/ 5	72	-11	47	-12	60	-11	.00	82	64	73	.24	0	0
05/ 6	80	-3	54	-6	67	-5	.00	87	62	75	.24	0	0
05/ 7	80	-3	54	-6	67	-5	.00	90	61	76	.24	4	0
05/ 8	86	3	54	-6	70	-2	.04	93	57	75	.24	4	0
05/ 9	86	2	54	-6	70	-2	.00	88	72	80	.20	4	0
05/10	85	1	64	3	75	2	.00	95	75	85	.20	0	0
05/11	86	2	59	-2	73	0	.00	90	73	82	.26	6	0
05/12	84	0	60	-1	72	-1	.00	81	66	74	.14	999	0
05/13	85	1	60	-1	73	0	.02	90	75	83	.19	999	0
05/14	88	4	60	-1	74	1	.00	94	73	84	.22	9	0
05/15	87	2	61	-1	74	0	.00	95	76	86	.27	9	0
05/16	86	1	63	1	75	1	.29	90	78	84	.21	9	0
05/17	80	-5	51	-11	66	-8	.00	90	69	80	.28	0	0
05/18	82	-3	58	-4	70	-4	.00	95	68	82	.28	11	0
05/19	81	-4	66	4	74	0	.00	84	76	80	.26	0	0
05/20	83	-2	62	-1	73	-1	2.07	83	75	79	.10	12	0
05/21	84	-2	63	0	74	-1	.06	84	74	79	.16	12	0
05/22	88	2	66	3	77	2	.00	85	73	79	.11	11	0
05/23	82	-4	69	6	76	1	.04	82	76	79	.15	12	0
05/24	87	1	63	-1	75	0	.00	86	75	81	.30	999	0
05/25	85	-1	55	-9	70	-3	.00	87	74	81	.31	10	0
05/26	82	-5	55	-9	69	-7	.00	96	74	85	.26	0	0
05/27	85	-2	45	-19	65	-11	.00	97	76	87	.38	5	0
05/28	85	-2	59	-5	72	-4	.00	98	76	87	.22	6	0
05/29	90	3	64	-1	77	1	.00	99	76	88	.31	0	0
05/30	88	1	65	0	77	1	.50	100	76	88	.17	21	0
05/31	87	-1	67	2	77	0	.00	94	76	85	.20	11	0

AIR TEMPERATURES:

Mean Maximum= 84.0 Mean Minimum= 58.6 Average= 71.3
 DFN= -.8 DFN= -3.2 DFN= -2.0
 Highest= 90 Lowest= 45

PRECIPITATION STATISTICS:

Total= 3.30 DFN= -1.05 Greatest Daily= 2.07 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= .22 Hours of Wet Vegetation= 6.3 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
05/ 1	82	2	54	-2	68	0	.00	80	64	72	9.99	999	0
05/ 2	82	1	64	8	73	4	.00	79	66	73	9.99	999	0
05/ 3	82	1	62	6	72	3	.00	77	68	73	9.99	999	0
05/ 4	72	-9	46	-10	59	-10	.09	72	60	66	9.99	999	0
05/ 5	70	-11	43	-14	57	-12	.00	76	60	68	9.99	999	0
05/ 6	79	-2	45	-12	62	-7	.00	80	55	68	9.99	999	0
05/ 7	85	4	50	-7	68	-1	.00	82	59	71	9.99	999	0
05/ 8	85	3	51	-6	68	-2	.00	83	66	75	9.99	999	0
05/ 9	81	-1	44	-13	63	-7	.00	84	66	75	9.99	999	0
05/10	79	-3	44	-14	62	-8	.00	84	66	75	9.99	999	0
05/11	83	1	56	-2	70	0	.01	82	68	75	9.99	999	0
05/12	82	0	59	1	71	1	.00	78	68	73	9.99	999	0
05/13	85	2	59	1	72	1	.00	82	69	76	9.99	999	0
05/14	86	3	60	1	73	2	.00	87	71	79	9.99	999	0
05/15	85	2	61	2	73	2	.00	85	72	79	9.99	999	0
05/16	78	-5	59	0	69	-2	2.60	75	70	73	9.99	999	0
05/17	69	-15	47	-12	58	-14	.00	74	63	69	9.99	999	0
05/18	79	-5	49	-11	64	-8	.00	77	63	70	9.99	999	0
05/19	78	-6	61	1	70	-2	.18	72	66	69	9.99	999	0
05/20	75	-9	62	2	69	-3	1.80	72	70	71	9.99	999	0
05/21	81	-3	62	2	72	0	.10	76	70	73	9.99	999	0
05/22	83	-2	64	3	74	1	.32	80	71	76	9.99	999	0
05/23	81	-4	62	1	72	-1	.32	80	72	76	9.99	999	0
05/24	81	-4	60	-1	71	-2	.04	85	72	79	9.99	999	0
05/25	79	-6	51	-10	65	-8	.00	83	67	75	9.99	999	0
05/26	81	-5	51	-11	66	-8	.00	82	67	75	9.99	999	0
05/27	84	-2	56	-6	70	-4	.00	83	68	76	9.99	999	0
05/28	81	-5	52	-10	67	-7	.00	84	69	77	9.99	999	0
05/29	86	0	53	-9	70	-4	.00	86	69	78	9.99	999	0
05/30	88	2	60	-3	74	-1	.43	85	72	79	9.99	999	0
05/31	83	-4	56	-7	70	-5	.00	85	70	78	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 80.8 Mean Minimum= 54.9 Average= 67.9
 DFN= -2.6 DFN= -4.3 DFN= -3.4
 Highest= 88 Lowest= 43

PRECIPITATION STATISTICS:

Total= 5.89 DFN= +1.96 Greatest Daily= 2.60 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN ALABAMA 1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
05/ 1	79	3	57	4	68	3	.00	74	60	67	9.99	999	0
05/ 2	80	4	60	7	70	5	.00	74	64	69	9.99	999	0
05/ 3	73	2	62	9	70	5	.00	73	64	69	9.99	999	0
05/ 4	67	-10	45	-8	56	-9	.28	66	56	61	9.99	999	0
05/ 5	65	-12	43	-11	54	-12	.00	68	55	62	9.99	999	0
05/ 6	74	-3	45	-9	60	-6	.00	71	54	63	9.99	999	0
05/ 7	81	4	50	-4	66	0	.00	76	55	66	9.99	999	0
05/ 8	80	3	57	3	69	3	.19	76	58	67	9.99	999	0
05/ 9	64	-13	43	-11	54	-12	.00	70	56	63	9.99	999	0
05/10	76	-2	46	-9	61	-6	.00	75	56	66	9.99	999	0
05/11	82	4	57	2	70	3	.00	78	60	69	9.99	999	0
05/12	80	2	61	6	71	4	88.88	79	67	73	9.99	999	0
05/13	76	-2	58	3	67	0	.08	75	65	70	9.99	999	0
05/14	83	5	61	5	72	5	.00	79	65	72	9.99	999	0
05/15	82	3	61	5	72	4	.00	80	67	74	9.99	999	0
05/16	67	-12	57	1	62	-6	1.83	68	64	66	9.99	999	0
05/17	60	-19	47	-9	54	-14	.00	65	58	62	9.99	999	0
05/18	72	-7	49	-8	61	-7	.00	72	58	65	9.99	999	0
05/19	70	-9	55	-2	63	-5	2.30	68	60	64	9.99	999	0
05/20	72	-8	60	3	66	-3	1.07	68	64	66	9.99	999	0
05/21	68	-12	61	4	65	-4	.49	66	64	65	9.99	999	0
05/22	78	-2	65	7	72	3	.05	74	65	70	9.99	999	0
05/23	78	-2	55	-3	67	-2	.31	74	64	69	9.99	999	0
05/24	79	-2	55	-3	67	-3	.22	79	64	72	9.99	999	0
05/25	73	-8	48	-10	61	-9	.00	78	61	70	9.99	999	0
05/26	77	-4	52	-7	65	-5	.00	78	61	70	9.99	999	0
05/27	77	-4	47	-12	62	-8	.03	76	61	69	9.99	999	0
05/28	75	-6	50	-9	63	-7	.00	77	60	69	9.99	999	0
05/29	81	-1	56	-3	69	-2	.13	82	62	72	9.99	999	0
05/30	82	0	57	-3	70	-1	.10	79	67	73	9.99	999	0
05/31	79	-3	50	-10	65	-6	.00	81	64	73	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 75.3 Mean Minimum= 53.9 Average= 64.6
 DFN= -3.6 DFN= -2.3 DFN= -3.0
 Highest= 83 Lowest= 43

PRECIPITATION STATISTICS:

Total= 7.08 DFN= +2.72 Greatest Daily= 2.30 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in inches, vegetative wetting is in hours and solar energy is in Watts per square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
05/ 1	81	2	62	3	72	5	.00	84	61	73	9.99	999	0
05/ 2	82	3	61	7	72	5	.00	82	63	73	9.99	999	0
05/ 3	78	-2	63	9	71	4	.00	77	64	71	9.99	999	0
05/ 4	71	-9	46	-8	59	-8	.06	70	57	64	9.99	999	0
05/ 5	70	-10	47	-8	59	-9	.00	80	55	68	9.99	999	0
05/ 6	80	0	51	-4	66	-2	.00	84	57	71	9.99	999	0
05/ 7	83	3	51	-4	67	-1	.00	87	60	74	9.99	999	0
05/ 8	84	3	53	-2	69	1	.00	86	62	74	9.99	999	0
05/ 9	82	1	45	-11	64	-5	.00	87	63	75	9.99	999	0
05/10	79	-2	50	-6	65	-4	.00	88	60	74	9.99	999	0
05/11	83	2	57	1	70	1	88.88	88	65	77	9.99	999	0
05/12	81	0	61	5	71	2	.03	83	77	80	9.99	999	0
05/13	83	1	58	1	71	1	.00	86	66	76	9.99	999	0
05/14	86	4	60	3	73	3	.00	90	68	79	9.99	999	0
05/15	83	1	60	3	72	2	.00	90	68	79	9.99	999	0
05/16	73	-9	59	2	66	-4	2.30	74	67	71	9.99	999	0
05/17	72	-10	47	-11	60	-10	.00	73	58	66	9.99	999	0
05/18	75	-8	47	-11	61	-10	.00	81	56	69	9.99	999	0
05/19	76	-7	60	2	68	-3	.37	74	63	69	9.99	999	0
05/20	76	-7	61	3	69	-2	1.48	73	67	70	9.99	999	0
05/21	80	-3	63	4	72	1	.08	77	66	72	9.99	999	0
05/22	81	-3	63	4	72	0	.32	81	69	75	9.99	999	0
05/23	81	-3	61	2	71	-1	.12	81	68	75	9.99	999	0
05/24	83	-1	60	1	72	0	.03	87	68	78	9.99	999	0
05/25	79	-5	53	-7	66	-6	.00	85	64	75	9.99	999	0
05/26	82	-2	55	-5	69	-3	.00	87	63	75	9.99	999	0
05/27	83	-2	58	-2	71	-2	.00	90	66	78	9.99	999	0
05/28	82	-3	51	-9	67	-6	.00	92	66	79	9.99	999	0
05/29	84	-1	59	-2	72	-1	.12	92	65	79	9.99	999	0
05/30	85	0	58	-3	72	-1	.76	88	68	78	9.99	999	0
05/31	82	-4	57	-4	70	-4	.00	89	66	78	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 80.0 Mean Minimum= 56.0 Average= 68.0
 DFN= -2.3 DFN= -1.4 DFN= -1.8
 Highest= 86 Lowest= 45

PRECIPITATION STATISTICS:

Total= 5.67 DFN= +1.64 Greatest Daily= 2.30 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts Per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
05/ 1	81	1	62	10	72	6	.00	77	61	69	.29	999	5546
05/ 2	80	0	62	10	71	5	.00	73	65	69	.17	999	3286
05/ 3	80	0	62	9	71	4	.05	74	68	71	.19	999	4149
05/ 4	66	-14	43	-10	55	-12	.21	70	57	64	.16	999	2145
05/ 5	72	-9	40	-13	56	-11	.00	72	57	65	.21	999	7748
05/ 6	80	-1	42	-11	61	-6	.00	76	58	67	.21	999	7393
05/ 7	83	2	55	1	69	1	.00	78	65	72	9.99	999	7688
05/ 8	82	1	59	5	71	3	88.88	79	69	74	.25	999	6450
05/ 9	82	1	41	-13	62	-6	.00	74	61	68	.18	999	4739
05/10	78	-4	48	-6	63	-5	.00	77	65	71	.22	999	7992
05/11	85	3	58	4	72	4	.03	79	69	74	.23	999	7134
05/12	79	-3	64	9	72	3	88.88	76	70	73	.17	999	5097
05/13	84	2	56	1	70	1	.00	83	70	77	.25	999	6823
05/14	85	3	57	2	71	2	.00	83	70	77	.25	999	7091
05/15	82	-1	61	6	72	3	.24	80	71	76	.25	999	5269
05/16	70	-13	57	1	64	-6	1.40	73	66	70	.12	999	666
05/17	67	-16	43	-13	55	-15	.00	69	60	65	.08	999	2932
05/18	75	-8	46	-10	61	-9	.00	74	60	67	.21	999	7486
05/19	75	-8	59	2	67	-3	5.20	67	66	67	9.99	999	1650
05/20	82	-2	64	7	73	2	.26	76	67	72	9.99	999	4770
05/21	72	-12	65	8	69	-2	.95	71	70	71	.04	999	1208
05/22	78	-6	64	7	71	0	.90	75	70	73	.10	999	2907
05/23	80	-4	55	-3	68	-3	.00	79	68	74	.25	999	5796
05/24	82	-3	55	-3	69	-3	.00	81	68	75	.23	999	6920
05/25	76	-9	45	-13	61	-11	.00	80	65	73	.28	999	8155
05/26	80	-5	48	-10	64	-8	.00	81	65	73	.28	999	7701
05/27	79	-6	54	-5	67	-5	.03	80	68	74	.12	999	5629
05/28	79	-7	50	-9	65	-8	.00	83	69	76	.27	999	7997
05/29	83	-3	60	1	72	-1	.32	82	70	76	.26	999	6283
05/30	86	0	55	-4	71	-2	.00	82	70	76	.24	999	6666
05/31	79	-7	54	-6	67	-6	.00	83	70	77	.25	999	7882

AIR TEMPERATURES:

Mean Maximum= 78.8 Mean Minimum= 54.3 Average= 66.5
 DFN= -4.1 DFN= -1.5 DFN= -2.8
 Highest= 86 Lowest= 40

PRECIPITATION STATISTICS:

Total= 9.59 DFN= +5.05 Greatest Daily= 5.20 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .21 Hours of Wet Vegetation= 999.9 Solar Energy= 5587.7

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	69	-16	55	-6	62	-11	88.88	81	68	75	9.99	999	0
06/ 2	78	-7	53	-8	66	-7	88.88	87	67	77	9.99	999	0
06/ 3	83	-3	54	-7	69	-5	.00	89	67	78	9.99	999	0
06/ 4	87	1	63	1	75	1	1.53	87	72	80	9.99	999	0
06/ 5	82	-4	65	3	74	0	.00	85	72	79	9.99	999	0
06/ 6	85	-1	65	3	75	1	.00	87	72	80	9.99	999	0
06/ 7	83	-3	62	0	73	-1	.97	87	71	79	9.99	999	0
06/ 8	76	-11	54	-8	65	-10	.01	78	64	71	9.99	999	0
06/ 9	80	-7	55	-8	68	-7	.00	85	64	75	9.99	999	0
06/10	84	-3	57	-6	71	-4	.00	89	67	78	9.99	999	0
06/11	86	-1	62	-1	74	-1	.00	92	72	82	9.99	999	0
06/12	84	-4	60	-3	72	-4	.00	92	72	82	9.99	999	0
06/13	85	-3	58	-6	72	-4	.00	93	72	83	9.99	999	0
06/14	85	-3	59	-5	72	-4	.00	93	72	83	9.99	999	0
06/15	87	-1	61	-3	74	-2	.35	90	73	82	9.99	999	0
06/16	82	-6	66	2	74	-2	2.10	84	73	79	9.99	999	0
06/17	82	-6	66	2	74	-2	.07	88	73	81	9.99	999	0
06/18	84	-5	67	2	76	-1	.00	84	73	79	9.99	999	0
06/19	81	-8	67	2	74	-3	88.88	82	73	78	9.99	999	0
06/20	82	-7	65	0	74	-3	.00	83	73	78	9.99	999	0
06/21	84	-5	65	0	75	-2	.65	88	73	81	9.99	999	0
06/22	86	-3	67	2	77	0	.04	86	73	80	9.99	999	0
06/23	83	-6	70	5	77	0	.05	85	75	80	9.99	999	0
06/24	81	-8	67	1	74	-4	88.88	81	73	77	9.99	999	0
06/25	87	-2	67	1	77	-1	.00	93	73	83	9.99	999	0
06/26	91	2	68	2	80	2	.09	97	76	87	9.99	999	0
06/27	91	1	69	3	80	2	.01	97	78	88	9.99	999	0
06/28	88	-2	70	4	79	1	.54	93	77	85	9.99	999	0
06/29	86	-4	71	5	79	1	.00	87	77	82	9.99	999	0
06/30	87	-3	71	5	79	1	.00	88	77	83	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 83.6 Mean Minimum= 63.3 Average= 73.5
 DFN= -4.3 DFN= -.6 DFN= -2.4
 Highest= 91 Lowest= 53

PRECIPITATION STATISTICS:

Total= 6.32 DFN= +3.41 Greatest Daily= 2.10 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	88	-2	57	-5	73	-3	.21	99	69	84	9.99	999	0
06/ 2	83	-7	59	-3	71	-5	.00	94	69	82	9.99	999	0
06/ 3	88	-3	61	-1	75	-2	.00	100	72	86	9.99	999	0
06/ 4	92	1	65	2	79	2	.00	99	74	87	9.99	999	0
06/ 5	85	-6	64	1	75	-2	1.48	85	72	79	9.99	979	0
06/ 6	87	-4	66	3	77	0	.00	89	72	81	9.99	999	0
06/ 7	85	-6	68	5	77	0	.25	85	74	80	9.99	999	0
06/ 8	77	-14	62	-1	70	-7	.17	81	70	76	9.99	999	0
06/ 9	83	-9	54	-10	69	-9	.00	87	67	77	9.99	999	0
06/10	86	-6	57	-7	72	-6	.00	93	67	80	9.99	999	0
06/11	86	-6	57	-7	72	-6	.00	96	72	84	9.99	999	0
06/12	86	-6	63	-1	75	-3	.00	97	72	85	9.99	999	0
06/13	88	-4	66	2	77	-1	.00	99	74	87	9.99	999	0
06/14	89	-3	66	1	78	-1	.22	100	77	89	9.99	999	0
06/15	89	-3	64	-1	77	-2	.00	95	74	85	9.99	999	0
06/16	90	-2	66	1	78	-1	.00	97	74	86	9.99	999	0
06/17	92	0	66	1	79	0	.00	99	76	88	9.99	999	0
06/18	92	-1	66	1	79	0	.00	99	77	88	9.99	999	0
06/19	89	-4	66	1	78	-1	.82	95	74	85	9.99	999	0
06/20	81	-12	66	0	74	-6	.00	83	73	78	9.99	999	0
06/21	83	-10	67	1	75	-5	.44	86	74	80	9.99	999	0
06/22	78	-15	69	3	74	-6	.49	78	74	76	9.99	999	0
06/23	70	-3	68	2	79	-1	88.88	92	74	83	9.99	979	0
06/24	85	-8	69	3	77	-3	.57	86	75	81	9.99	999	0
06/25	86	-7	69	3	78	-2	.34	88	73	81	9.99	999	0
06/26	86	-7	67	1	77	-3	.12	88	75	82	9.99	999	0
06/27	88	-5	67	0	78	-2	1.61	87	75	81	9.99	999	0
06/28	85	-8	70	3	78	-2	.38	89	75	82	9.99	999	0
06/29	84	-9	68	1	76	-4	.29	86	74	80	9.99	999	0
06/30	87	-6	66	-1	77	-3	.49	87	73	80	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 86.3 Mean Minimum= 64.6 Average= 75.5
 DFN= -5.8 DFN= -.1 DFN= -2.9
 Highest= 92 Lowest= 54

PRECIPITATION STATISTICS:

Total= 7.88 DFN= +2.19 Greatest Daily= 1.61 Rain Days= 15

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	84	-3	60	-4	72	-4	.00	92	74	83	9.99	999	0
06/ 2	81	-6	61	-3	71	-5	.00	92	74	83	9.99	999	0
06/ 3	86	-2	62	-2	74	-2	.00	92	74	83	9.99	999	0
06/ 4	92	4	67	2	80	3	.20	96	73	86	9.99	999	0
06/ 5	90	2	65	0	78	1	.06	85	70	78	9.99	999	0
06/ 6	88	0	65	0	77	0	.00	89	74	82	9.99	999	0
06/ 7	85	-4	67	2	76	-1	.19	85	74	80	9.99	999	0
06/ 8	81	-8	61	-4	71	-6	.15	85	72	79	9.99	999	0
06/ 9	80	-9	55	-11	68	-10	.00	85	69	77	9.99	999	0
06/10	80	-9	57	-9	69	-9	.00	91	69	80	9.99	999	0
06/11	88	-1	60	-6	74	-4	.00	94	74	84	9.99	999	0
06/12	87	-2	62	-4	75	-3	.00	92	75	84	9.99	999	0
06/13	88	-2	65	-1	77	-1	.00	95	75	85	9.99	999	0
06/14	90	0	66	-1	78	-1	.00	93	77	85	9.99	999	0
06/15	89	-1	67	0	78	-1	.00	91	78	85	9.99	999	0
06/16	90	0	68	1	79	0	.00	95	78	87	9.99	999	0
06/17	88	-2	68	1	78	-1	2.06	90	76	83	9.99	999	0
06/18	88	-2	69	2	79	0	.10	90	76	83	9.99	999	0
06/19	82	-8	65	-2	74	-5	.35	88	75	82	9.99	999	0
06/20	80	-11	66	-1	73	-6	.88	90	75	83	9.99	999	0
06/21	85	-6	68	0	77	-3	.25	86	75	81	9.99	999	0
06/22	79	-12	69	1	74	-6	.14	82	76	79	9.99	999	0
06/23	88	-3	70	2	79	-1	.06	88	76	82	9.99	999	0
06/24	88	-3	70	2	79	-1	.01	92	77	85	9.99	999	0
06/25	88	-3	69	1	79	-1	.13	70	77	84	9.99	999	0
06/26	85	-6	70	2	78	-2	1.47	85	76	81	9.99	999	0
06/27	88	-3	71	3	80	0	.07	91	76	84	9.99	999	0
06/28	86	-5	71	3	79	-1	.27	86	78	82	9.99	999	0
06/29	86	-5	70	1	78	-2	.08	87	78	83	9.99	999	0
06/30	88	-3	70	1	79	-1	.06	90	78	84	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 85.9 Mean Minimum= 65.8 Average= 75.9
 DFN= -3.8 DFN= -.8 DFN= -2.3
 Highest= 92 Lowest= 55

PRECIPITATION STATISTICS:

Total= 6.58 DFN= +2.46 Greatest Daily= 2.06 Rain Days= 18

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	84	-4	60	-7	72	-6	.09	86	74	80	.12	999	0
06/ 2	85	-3	61	-7	73	-5	.00	92	73	83	.23	999	0
06/ 3	86	-2	67	-1	77	-1	.00	93	76	85	.22	999	0
06/ 4	87	-1	69	1	78	0	88.88	96	78	87	.27	999	0
06/ 5	84	-5	67	-1	76	-3	1.43	87	77	82	.16	999	0
06/ 6	82	-7	69	1	76	-3	.15	84	76	80	.12	999	0
06/ 7	81	-8	70	1	76	-3	.10	84	76	80	.15	999	0
06/ 8	80	-9	65	-4	73	-6	.01	81	73	77	.08	999	0
06/ 9	83	-6	62	-7	73	-6	.00	86	71	79	.27	999	0
06/10	84	-5	64	-5	74	-5	.00	87	71	79	.27	999	0
06/11	89	0	66	-3	78	-1	.00	92	74	83	.21	999	0
06/12	89	-1	66	-3	78	-2	.00	94	75	85	.22	999	0
06/13	90	0	70	0	80	0	.00	94	80	87	.25	999	0
06/14	88	-2	70	0	79	-1	.00	93	80	87	.20	999	0
06/15	87	-3	68	-2	78	-2	.08	90	79	85	.18	999	0
06/16	86	-4	68	-2	77	-3	.00	93	79	86	.22	999	0
06/17	88	-2	69	-1	79	-1	.00	97	79	88	.25	999	0
06/18	88	-2	71	1	80	0	.00	95	81	88	.26	999	0
06/19	84	-6	70	0	77	-3	.00	87	80	84	.22	999	0
06/20	85	-5	69	-2	77	-4	.18	89	80	85	.18	999	0
06/21	81	-9	68	-3	75	-6	.82	82	76	79	.06	999	0
06/22	82	-8	69	-2	76	-5	.17	82	76	79	.10	999	0
06/23	87	-3	72	1	80	-1	.00	90	78	84	.21	999	0
06/24	88	-2	72	1	80	-1	.03	90	79	85	.14	999	0
06/25	85	-5	72	1	79	-2	.49	95	78	87	.21	999	0
06/26	85	-5	69	-2	77	-4	.67	90	78	84	.22	999	0
06/27	86	-4	72	1	79	-2	.23	90	78	84	.22	999	0
06/28	87	-4	72	1	80	-1	.44	89	78	84	.09	999	0
06/29	80	-11	70	-2	75	-7	1.36	81	75	78	.09	999	0
06/30	84	-7	70	-2	77	-5	.35	84	75	80	.17	999	0

AIR TEMPERATURES:

Mean Maximum= 85.2 Mean Minimum= 68.2 Average= 76.7
 DFN= -4.4 DFN= -1.6 DFN= -3.0
 Highest= 90 Lowest= 60

PRECIPITATION STATISTICS:

Total= 6.60 DFN= +.84 Greatest Daily= 1.43 Rain Days= 16

AVERAGE DAILY VALUES:

Pan Evaporation= .18 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	85	-3	60	-5	73	-4	.00	94	76	85	.20	999	0
06/ 2	83	-5	63	-2	73	-4	.00	99	75	87	.33	10	0
06/ 3	96	8	66	0	81	4	.00	99	78	89	.22	0	0
06/ 4	92	4	68	2	80	3	.00	101	80	91	.22	2	0
06/ 5	88	-1	65	-1	77	-1	.25	95	78	87	.13	13	0
06/ 6	88	-1	69	3	79	1	.00	93	76	85	.22	12	0
06/ 7	84	-5	68	2	76	-2	1.44	85	78	82	.12	19	0
06/ 8	75	-14	59	-8	67	-11	.41	79	71	75	.03	24	0
06/ 9	82	-7	61	-6	72	-6	.00	87	73	80	.23	18	0
06/10	86	-3	62	-5	74	-4	.00	95	74	85	.19	12	0
06/11	85	-5	62	-5	74	-5	.00	100	75	88	.25	12	0
06/12	87	-3	65	-2	76	-3	.00	100	78	89	.28	11	0
06/13	88	-2	69	2	79	0	.00	100	80	90	.22	0	0
06/14	87	-3	68	0	78	-1	.00	102	82	92	.20	4	0
06/15	87	-3	60	-8	74	-5	.00	102	80	91	.37	12	0
06/16	90	0	64	-4	77	-2	.00	101	80	91	.26	7	0
06/17	92	2	67	-1	80	1	.00	104	81	93	.26	5	0
06/18	90	0	66	-2	78	-1	1.27	97	79	88	.22	14	0
06/19	88	-2	68	0	78	-1	.00	92	79	86	.20	13	0
06/20	80	-11	69	1	75	-5	.08	95	79	87	.09	24	0
06/21	83	-8	69	0	76	-4	.57	85	78	82	.09	17	0
06/22	75	-16	69	0	72	-8	.75	81	79	80	.06	24	0
06/23	87	-4	71	2	79	-1	.37	93	78	86	.08	8	0
06/24	85	-6	70	1	78	-2	.12	90	80	85	.11	24	0
06/25	87	-4	68	-1	78	-2	.07	93	78	86	.21	18	0
06/26	88	-3	71	2	80	0	.00	95	78	87	.19	16	0
06/27	82	-9	71	2	77	-3	.06	96	81	89	.18	18	0
06/28	93	2	79	10	86	6	.49	87	71	79	.14	19	0
06/29	82	-9	67	-2	75	-5	1.92	88	80	84	.00	24	0
06/30	85	-6	70	1	78	-2	.24	91	79	85	.13	18	0

AIR TEMPERATURES:

Mean Maximum= 86.0 Mean Minimum= 66.8 Average= 76.4
 DFN= -3.9 DFN= -.8 DFN= -2.4
 Highest= 96 Lowest= 59

PRECIPITATION STATISTICS:

Total= 8.04 DFN= +3.42 Greatest Daily= 1.92 Rain Days= 14

AVERAGE DAILY VALUES:

Pan Evaporation= .18 Hours of Wet Vegetation= 13.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	80	-7	56	-7	68	-7	.02	82	70	76	9.99	999	0
06/ 2	78	-9	54	-10	66	-10	.00	84	70	77	9.99	999	0
06/ 3	84	-4	54	-10	69	-7	.00	85	70	78	9.99	999	0
06/ 4	90	2	63	-1	77	1	.37	87	73	80	9.99	999	0
06/ 5	81	-7	63	-1	72	-4	88.88	81	73	77	9.99	999	0
06/ 6	84	-4	64	0	74	-2	.00	83	73	78	9.99	999	0
06/ 7	87	-1	64	-1	76	-1	.09	85	73	79	9.99	999	0
06/ 8	79	-10	58	-7	69	-8	.13	86	71	79	9.99	999	0
06/ 9	80	-9	54	-11	67	-10	.00	84	70	77	9.99	999	0
06/10	84	-5	55	-10	70	-7	.00	85	70	78	9.99	999	0
06/11	84	-5	59	-7	72	-6	.00	87	73	80	9.99	999	0
06/12	84	-5	60	-6	72	-6	.00	87	73	80	9.99	999	0
06/13	85	-4	62	-4	74	-4	.00	88	74	81	9.99	999	0
06/14	87	-3	62	-4	75	-3	.00	88	74	81	9.99	999	0
06/15	87	-3	63	-3	75	-3	88.88	87	75	81	9.99	999	0
06/16	88	-2	64	-3	76	-3	.03	87	76	82	9.99	999	0
06/17	88	-2	65	-2	77	-2	2.22	85	74	80	9.99	999	0
06/18	84	-6	65	-2	75	-4	.04	84	74	79	9.99	999	0
06/19	80	-10	65	-2	73	-6	.09	81	74	78	9.99	999	0
06/20	80	-10	64	-3	72	-7	.03	80	73	77	9.99	999	0
06/21	85	-6	64	-3	75	-4	.06	82	74	78	9.99	999	0
06/22	81	-10	67	0	74	-5	.20	79	75	77	9.99	999	0
06/23	86	-5	68	0	77	-3	.05	84	75	80	9.99	999	0
06/24	87	-4	67	-1	77	-3	88.88	86	76	81	9.99	999	0
06/25	86	-5	66	-2	76	-4	.00	85	76	81	9.99	999	0
06/26	86	-5	66	-2	76	-4	.03	84	76	80	9.99	999	0
06/27	88	-3	69	1	79	-1	.26	87	76	82	9.99	999	0
06/28	85	-6	68	0	77	-3	1.27	82	77	80	9.99	999	0
06/29	84	-7	69	1	77	-3	2.34	85	75	80	9.99	999	0
06/30	86	-5	68	0	77	-3	.03	85	77	81	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 84.3 Mean Minimum= 62.9 Average= 73.6
 DFN= -5.3 DFN= -3.3 DFN= -4.3
 Highest= 90 Lowest= 54

PRECIPITATION STATISTICS:

Total= 7.26 DFN= +3.57 Greatest Daily= 2.34 Rain Days= 17

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	67	-15	54	-6	61	-10	88.88	71	64	68	9.99	999	0
06/ 2	75	-8	50	-10	63	-9	.01	79	63	71	9.99	999	0
06/ 3	79	-4	59	-2	69	-3	.00	83	63	73	9.99	999	0
06/ 4	85	2	62	1	74	2	.65	83	67	75	9.99	999	0
06/ 5	81	-2	59	-2	70	-2	.20	81	69	75	9.99	999	0
06/ 6	82	-2	63	2	73	0	.00	82	69	76	9.99	999	0
06/ 7	80	-4	61	-1	71	-2	.89	79	69	74	9.99	999	0
06/ 8	68	-16	52	-10	60	-13	.09	72	63	68	9.99	999	0
06/ 9	78	-6	52	-10	65	-8	.00	80	63	72	9.99	999	0
06/10	82	-2	58	-4	70	-3	.00	81	65	73	9.99	999	0
06/11	82	-3	57	-5	70	-4	.00	82	67	75	9.99	999	0
06/12	82	-3	58	-5	70	-4	.00	84	68	76	9.99	999	0
06/13	83	-2	57	-6	70	-4	.00	85	68	77	9.99	999	0
06/14	84	-1	58	-5	71	-3	.00	86	68	77	9.99	999	0
06/15	85	0	60	-3	73	-1	.00	84	67	76	9.99	999	0
06/16	82	-4	62	-1	72	-3	.00	81	71	76	9.99	999	0
06/17	84	-2	61	-3	73	-2	.94	80	72	76	9.99	999	0
06/18	80	-6	63	-1	72	-3	.03	78	69	74	9.99	999	0
06/19	78	-8	62	-2	70	-5	.42	78	70	74	9.99	999	0
06/20	76	-10	63	-1	70	-5	.11	77	70	74	9.99	999	0
06/21	83	-3	65	1	74	-1	.00	82	70	76	9.99	999	0
06/22	83	-3	67	3	75	0	.17	80	72	76	9.99	999	0
06/23	75	-11	66	1	71	-5	.27	77	72	75	9.99	999	0
06/24	79	-8	62	-3	71	-5	.00	79	70	75	9.99	999	0
06/25	86	-1	62	-3	74	-2	.00	85	70	78	9.99	999	0
06/26	89	2	64	-1	77	1	.00	88	72	80	9.99	999	0
06/27	90	3	67	2	79	3	.00	89	74	82	9.99	999	0
06/28	85	-2	67	2	76	0	.62	85	75	80	9.99	999	0
06/29	85	-2	66	1	76	0	88.88	86	75	81	9.99	999	0
06/30	85	-2	68	3	77	1	.00	88	75	82	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 81.1 Mean Minimum= 60.8 Average= 71.0
 DFN= -4.1 DFN= -2.3 DFN= -3.2
 Highest= 90 Lowest= 50

PRECIPITATION STATISTICS:

Total= 4.40 DFN= +.89 Greatest Daily= .94 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	79	-7	59	-3	69	-5	.00	86	65	76	9.99	999	0
06/ 2	78	-8	53	-9	66	-9	.00	87	66	77	9.99	999	0
06/ 3	83	-3	56	-6	70	-4	.00	90	65	78	9.99	999	0
06/ 4	87	0	56	-6	72	-3	.62	92	69	81	9.99	999	0
06/ 5	83	-4	63	1	73	-2	.00	86	72	79	9.99	999	0
06/ 6	82	-5	65	2	74	-1	.00	85	72	79	9.99	999	0
06/ 7	84	-3	64	1	74	-1	.33	88	71	80	9.99	999	0
06/ 8	77	-10	58	-5	68	-7	.25	82	68	75	9.99	999	0
06/ 9	79	-9	56	-7	68	-8	.00	86	68	77	9.99	999	0
06/10	83	-5	59	-5	71	-5	.00	86	69	78	.20	999	0
06/11	83	-5	58	-6	71	-5	.00	86	72	79	.24	999	0
06/12	85	-3	61	-3	73	-3	.00	92	72	82	.31	999	0
06/13	84	-4	60	-4	72	-4	.00	94	71	83	.17	999	0
06/14	86	-3	63	-1	75	-2	.00	96	72	84	.28	999	0
06/15	87	-2	65	0	76	-1	.03	92	72	82	.26	999	0
06/16	85	-4	64	-1	75	-2	.24	90	74	82	.04	999	0
06/17	85	-4	65	0	75	-2	.00	87	72	80	9.99	999	0
06/18	84	-5	64	-1	74	-3	.56	84	73	79	9.99	999	0
06/19	81	-8	63	-2	72	-5	.93	84	72	78	9.99	999	0
06/20	83	-6	63	-3	73	-5	.43	84	71	78	9.99	999	0
06/21	83	-6	65	-1	74	-4	.11	85	70	78	9.99	999	0
06/22	81	-9	67	1	74	-4	88.88	81	72	77	.09	999	0
06/23	87	-3	68	2	78	0	.06	88	73	81	.25	999	0
06/24	85	-5	67	1	76	-2	.01	89	75	82	.05	999	0
06/25	87	-3	65	-1	76	-2	.00	92	74	83	.20	999	0
06/26	89	-1	65	-2	77	-2	.00	96	74	85	.21	999	0
06/27	87	-3	67	0	77	-2	.04	93	75	84	.17	999	0
06/28	87	-3	67	0	77	-2	1.98	87	75	81	9.99	999	0
06/29	81	-9	68	1	75	-4	.07	85	75	80	.17	999	0
06/30	87	-3	68	1	78	-1	.12	92	75	84	.07	999	0

AIR TEMPERATURES:

Mean Maximum= 83.7 Mean Minimum= 62.7 Average= 73.2
 DFN= -4.8 DFN= -1.9 DFN= -3.3
 Highest= 89 Lowest= 53

PRECIPITATION STATISTICS:

Total= 5.78 DFN= +2.20 Greatest Daily= 1.98 Rain Days= 15

AVERAGE DAILY VALUES:

Pan Evaporation= .18 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
06/ 1	70	-17	56	-4	63	-11	88.88	73	68	71	.13	999	3199
06/ 2	79	-8	50	-10	65	-9	.00	81	68	75	.17	999	6423
06/ 3	82	-5	60	0	71	-3	.00	89	73	81	.30	999	7543
06/ 4	87	0	60	-1	74	0	1.56	85	76	81	9.99	999	6695
06/ 5	84	-4	63	2	74	-1	.00	83	74	79	.21	999	6336
06/ 6	84	-4	63	2	74	-1	.00	84	74	79	.20	999	6576
06/ 7	82	-6	63	2	73	-2	.05	80	73	77	.11	999	3312
06/ 8	74	-14	50	-12	62	-13	.04	75	66	71	.08	999	2676
06/ 9	79	-10	52	-10	66	-10	.00	83	70	77	.28	999	8133
06/10	84	-5	61	-1	73	-3	.00	84	72	78	.25	999	7558
06/11	85	-4	57	-5	71	-5	.00	87	71	79	.28	999	7494
06/12	85	-4	56	-6	71	-5	.00	86	71	79	.25	999	7316
06/13	86	-3	56	-7	71	-5	.00	86	73	80	.26	999	6959
06/14	87	-3	57	-6	72	-5	.00	87	75	81	.29	999	7711
06/15	87	-3	60	-3	74	-3	.06	87	75	81	.24	999	6669
06/16	83	-7	63	0	73	-4	2.28	84	73	79	9.99	999	3619
06/17	85	-5	64	1	75	-2	.34	82	73	78	.19	999	5004
06/18	80	-10	64	0	72	-5	.18	81	73	77	.15	999	3496
06/19	78	-12	65	1	72	-5	.03	80	74	77	.05	999	3376
06/20	82	-9	63	-1	73	-5	.00	82	74	78	.17	999	4407
06/21	85	-6	66	2	76	-2	.00	84	75	80	.22	999	6574
06/22	84	-7	69	5	77	-1	.16	81	76	79	.19	999	4345
06/23	85	-6	69	4	77	-1	.38	82	75	79	9.99	999	5487
06/24	85	-6	67	2	76	-2	88.88	84	75	80	.24	999	5376
06/25	88	-3	65	0	77	-1	.00	86	75	81	.24	999	6443
06/26	90	-1	65	0	78	0	.20	90	77	84	.27	999	6824
06/27	89	-2	69	4	79	1	1.05	92	77	85	.36	999	5406
06/28	84	-7	67	2	76	-2	2.00	84	76	80	9.99	999	3815
06/29	87	-5	69	4	78	-1	.00	86	76	81	9.99	999	5140
06/30	87	-5	68	2	78	-1	.00	86	77	82	.30	999	4807

AIR TEMPERATURES:

Mean Maximum= 83.6 Mean Minimum= 61.9 Average= 72.7
 DFN= -6.0 DFN= -1.1 DFN= -3.6
 Highest= 90 Lowest= 50

PRECIPITATION STATISTICS:

Total= 8.33 DFN= +5.15 Greatest Daily= 2.28 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= .22 Hours of Wet Vegetation= 999.9 Solar Energy= 5624.0

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
07/ 1	88	-2	71	5	80	2	.03	91	77	84	9.99	999	0
07/ 2	91	1	66	-1	79	0	.40	97	76	87	9.99	999	0
07/ 3	88	-2	67	0	78	-1	.04	91	75	83	9.99	999	0
07/ 4	88	-2	70	3	79	0	.00	86	75	81	9.99	999	0
07/ 5	90	0	73	6	82	3	.00	94	76	85	9.99	999	0
07/ 6	81	-9	64	-3	73	-6	.03	85	74	80	9.99	999	0
07/ 7	84	-6	59	-8	72	-7	.00	93	73	83	9.99	999	0
07/ 8	85	-5	59	-8	72	-7	.00	93	73	83	9.99	999	0
07/ 9	89	-1	64	-3	77	-2	.00	94	76	85	9.99	999	0
07/10	89	-1	66	-1	78	-1	.00	93	77	85	9.99	999	0
07/11	90	0	62	-5	76	-3	.00	95	77	86	9.99	999	0
07/12	91	1	62	-5	77	-2	.00	95	77	86	9.99	999	0
07/13	91	0	70	3	81	2	.00	95	80	88	9.99	999	0
07/14	94	3	70	3	82	3	88.88	95	81	88	9.99	999	0
07/15	92	1	70	2	81	1	88.88	93	81	87	9.99	999	0
07/16	92	1	71	3	82	2	.00	96	81	89	9.99	999	0
07/17	94	3	72	4	83	3	.00	95	82	89	9.99	999	0
07/18	86	-5	69	1	78	-2	.05	87	78	83	9.99	999	0
07/19	90	-1	69	1	80	0	.00	94	78	87	9.99	999	0
07/20	93	2	69	1	81	1	.00	96	80	88	9.99	999	0
07/21	95	4	72	4	84	4	.00	97	81	89	9.99	999	0
07/22	97	6	75	7	86	6	.00	99	82	91	9.99	999	0
07/23	97	6	74	6	86	6	.00	102	84	93	9.99	999	0
07/24	96	5	76	8	86	6	.00	102	85	94	9.99	999	0
07/25	95	4	76	8	86	6	.00	102	86	94	9.99	999	0
07/26	95	4	71	3	83	3	88.88	99	82	91	9.99	999	0
07/27	93	2	68	0	81	1	.00	97	80	89	9.99	999	0
07/28	92	1	68	1	80	1	.00	98	80	89	9.99	999	0
07/29	93	2	65	-2	79	0	.00	98	79	89	9.99	999	0
07/30	93	2	66	-1	80	1	.00	96	79	88	9.99	999	0
07/31	94	3	67	0	81	2	.00	97	79	88	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 91.2 Mean Minimum= 68.4 Average= 79.8
 DFN= +.5 DFN= +1.0 DFN= +.8
 Highest= 97 Lowest= 59

PRECIPITATION STATISTICS:

Total= .55 DFN= -3.53 Greatest Daily= .40 Rain Days= 5

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation, DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
07/ 1	91	-2	66	-1	79	-1	88.88	94	73	84	9.99	999	0
07/ 2	94	1	69	2	82	2	.00	95	75	85	9.99	999	0
07/ 3	92	-1	66	-1	79	-1	.24	96	75	86	9.99	999	0
07/ 4	90	-3	64	-2	78	-3	.75	91	75	83	9.99	999	0
07/ 5	93	0	69	1	81	0	.00	95	75	85	9.99	999	0
07/ 6	90	-3	68	0	79	-2	.28	91	75	83	9.99	999	0
07/ 7	88	-5	65	-3	77	-4	.00	92	73	83	9.99	999	0
07/ 8	90	-3	67	-1	79	-2	88.88	98	73	86	9.99	999	0
07/ 9	88	-5	63	-5	76	-5	.00	99	75	87	9.99	999	0
07/10	89	-4	62	-6	76	-5	.00	98	70	84	9.99	999	0
07/11	91	-2	64	-4	78	-3	.00	100	76	88	9.99	999	0
07/12	93	0	67	-1	80	-1	.00	103	78	91	9.99	999	0
07/13	94	1	65	-3	80	-1	.00	102	78	90	9.99	999	0
07/14	93	0	67	-1	80	-1	.00	104	78	91	9.99	999	0
07/15	95	2	68	0	82	1	.00	105	81	93	9.99	999	0
07/16	96	3	69	1	83	2	.17	104	79	92	9.99	999	0
07/17	94	1	71	3	83	2	.00	100	79	90	9.99	999	0
07/18	95	2	68	0	82	1	.00	105	81	93	9.99	999	0
07/19	92	-1	66	-3	79	-2	.40	101	76	89	9.99	999	0
07/20	92	-1	68	-1	80	-1	.00	94	76	85	9.99	999	0
07/21	96	3	69	0	83	2	.00	102	79	91	9.99	999	0
07/22	96	3	70	1	83	2	.00	105	79	92	9.99	999	0
07/23	97	4	71	2	84	3	.00	106	83	95	9.99	999	0
07/24	95	2	71	2	83	2	.00	103	83	93	9.99	999	0
07/25	97	4	72	4	85	4	.12	105	81	93	9.99	999	0
07/26	98	5	72	4	85	4	88.88	104	81	93	9.99	999	0
07/27	96	3	70	2	83	2	.15	101	78	90	9.99	999	0
07/28	93	0	71	3	82	1	.14	100	78	89	9.99	999	0
07/29	91	-2	69	1	80	-1	.00	101	78	90	9.99	999	0
07/30	91	-2	70	2	81	0	.00	102	78	90	9.99	999	0
07/31	91	-2	70	2	81	0	.23	102	78	90	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 92.9 Mean Minimum= 68.0 Average= 80.5
 DFN= -.1 DFN= -.1 DFN= -.1
 Highest= 98 Lowest= 62

PRECIPITATION STATISTICS:

Total= 2.48 DFN= -3.79 Greatest Daily= .75 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in inches, vegetative wetting is in hours and solar energy is in Watts per square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
07/ 1	89	-2	71	2	80	0	.02	91	78	85	9.99	999	0
07/ 2	93	2	69	0	81	1	88.88	94	78	86	9.99	999	0
07/ 3	91	0	70	1	81	1	.03	95	78	87	9.99	999	0
07/ 4	90	-1	72	3	81	1	.08	91	78	85	9.99	999	0
07/ 5	91	0	72	3	82	2	.11	91	78	85	9.99	999	0
07/ 6	90	-1	69	0	80	0	.24	89	78	84	9.99	999	0
07/ 7	87	-4	65	-4	76	-4	.00	92	77	85	9.99	999	0
07/ 8	88	-3	66	-3	77	-3	.00	92	77	85	9.99	999	0
07/ 9	89	-2	65	-4	77	-3	.00	98	79	89	9.99	999	0
07/10	90	-1	66	-3	78	-2	.00	98	79	89	9.99	999	0
07/11	91	0	68	-1	80	0	.00	96	79	88	9.99	999	0
07/12	92	1	69	0	81	1	.00	97	80	89	9.99	999	0
07/13	92	0	70	1	81	0	.00	95	81	88	9.99	999	0
07/14	94	2	71	2	83	2	.00	98	82	90	9.99	999	0
07/15	94	2	71	1	83	2	.00	98	82	90	9.99	999	0
07/16	94	2	71	1	83	2	.00	97	82	90	9.99	999	0
07/17	95	3	72	2	84	3	.00	96	82	89	9.99	999	0
07/18	93	1	72	2	83	2	.00	97	82	90	9.99	999	0
07/19	92	0	69	-1	81	0	.23	95	79	87	9.99	999	0
07/20	91	-1	70	0	81	0	.00	94	80	87	9.99	999	0
07/21	95	3	74	4	85	4	.00	97	82	90	9.99	999	0
07/22	95	3	72	2	84	3	.03	98	82	90	9.99	999	0
07/23	95	3	72	2	84	3	.00	97	83	90	9.99	999	0
07/24	95	3	75	5	85	4	.00	97	83	90	9.99	999	0
07/25	97	5	75	5	86	5	.00	100	83	92	9.99	999	0
07/26	96	4	76	6	86	5	.00	100	85	93	9.99	999	0
07/27	94	2	73	3	84	3	.00	97	83	90	9.99	999	0
07/28	95	3	73	3	84	3	.00	100	84	92	9.99	999	0
07/29	95	3	70	0	83	2	.00	98	82	90	9.99	999	0
07/30	95	3	70	0	83	2	.00	100	82	91	9.99	999	0
07/31	95	3	71	2	83	2	.00	100	85	93	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 92.7 Mean Minimum= 70.6 Average= 81.6
 DFN= +1.1 DFN= +1.1 DFN= +1.1
 Highest= 97 Lowest= 65

PRECIPITATION STATISTICS:

Total= .74 DFN= -4.92 Greatest Daily= .24 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
07/ 1	88	-3	72	0	80	-2	.00	87	75	82	.19	999	0
07/ 2	92	1	74	2	83	1	.00	95	76	86	9.99	999	0
07/ 3	90	0	73	1	82	1	.00	94	80	87	.24	999	0
07/ 4	91	1	73	1	82	1	.00	95	80	88	.25	999	0
07/ 5	91	1	76	4	84	3	.00	100	81	91	.15	999	0
07/ 6	92	2	73	1	83	2	88.88	102	84	93	.27	999	0
07/ 7	91	1	70	-2	81	0	.04	101	80	91	.21	999	0
07/ 8	91	1	71	-1	81	0	.00	97	81	89	.25	999	0
07/ 9	88	-2	67	-5	78	-3	.00	98	81	90	.24	999	0
07/10	90	0	68	-4	79	-2	.00	98	68	83	.25	999	0
07/11	92	2	67	-5	80	-1	.00	100	81	91	9.99	999	0
07/12	92	2	71	-1	82	1	.00	97	83	90	.22	999	0
07/13	91	1	70	-2	81	0	.00	96	84	90	.20	999	0
07/14	91	1	71	-1	81	0	.00	100	84	92	.27	999	0
07/15	93	3	72	0	83	2	.00	103	85	94	.19	999	0
07/16	94	4	72	0	83	2	.00	103	86	95	.27	999	0
07/17	92	2	73	1	83	2	.00	104	87	96	.25	999	0
07/18	90	-1	73	1	82	0	.12	98	85	92	.23	999	0
07/19	91	0	73	0	82	0	.11	99	84	92	.23	999	0
07/20	94	3	74	1	84	2	88.88	102	85	94	.27	999	0
07/21	94	3	72	-1	83	1	.33	100	82	91	.19	999	0
07/22	93	2	72	-1	83	1	.00	96	82	89	.18	999	0
07/23	94	3	74	1	84	2	.00	102	82	92	.26	999	0
07/24	95	4	79	6	87	5	.00	104	85	95	.38	999	0
07/25	95	4	80	7	88	6	.00	103	88	96	.36	999	0
07/26	95	4	80	7	88	6	.00	106	88	97	.30	999	0
07/27	96	5	75	2	86	4	.07	104	86	95	.30	999	0
07/28	94	3	75	3	85	3	.07	100	84	92	.18	999	0
07/29	92	1	72	0	82	0	.00	99	84	92	.27	999	0
07/30	94	3	72	0	83	1	.01	102	85	94	.32	999	0
07/31	95	4	73	1	84	2	.07	101	85	93	.30	999	0

AIR TEMPERATURES:

Mean Maximum= 92.3 Mean Minimum= 72.8 Average= 82.5
 DFN= +1.8 DFN= +.5 DFN= +1.1
 Highest= 96 Lowest= 67

PRECIPITATION STATISTICS:

Total= .82 DFN= -6.47 Greatest Daily= .33 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= .25 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
07/ 1	90	-1	70	0	80	-1	1.47	72	77	85	.20	999	0
07/ 2	91	0	70	0	81	0	.00	95	87	91	.20	5	0
07/ 3	92	1	71	1	82	1	.30	101	80	91	.32	10	0
07/ 4	92	1	70	0	81	0	.00	101	82	92	.16	12	0
07/ 5	93	2	73	3	83	2	.01	105	83	94	.28	12	0
07/ 6	91	0	68	-2	80	-1	.37	103	80	92	.21	999	0
07/ 7	88	-3	65	-5	77	-4	.00	93	78	86	.25	0	0
07/ 8	91	0	66	-4	79	-2	.00	99	79	89	.21	999	0
07/ 9	90	-1	61	-9	76	-5	.00	102	80	91	.25	2	0
07/10	90	-1	63	-7	77	-4	.00	104	82	93	.25	2	0
07/11	90	-1	69	-1	80	-1	.00	102	84	93	.24	2	0
07/12	92	1	71	1	82	1	.00	100	83	92	.19	0	0
07/13	94	3	70	0	82	1	.00	104	84	94	.26	0	0
07/14	95	5	70	0	83	3	.00	99	81	90	.25	999	0
07/15	95	5	71	1	83	3	.00	106	86	96	.25	0	0
07/16	96	6	72	2	84	4	.00	103	85	94	.24	0	0
07/17	95	4	72	2	84	3	.00	106	86	96	.23	0	0
07/18	95	4	72	2	84	3	.00	105	86	96	.27	0	0
07/19	94	3	70	0	82	1	.11	105	81	93	.19	8	0
07/20	92	1	66	-4	79	-2	.00	98	82	90	.24	0	0
07/21	98	7	73	3	86	5	.09	105	85	95	.24	4	0
07/22	96	5	74	4	85	4	.00	104	84	94	.25	0	0
07/23	96	5	75	5	86	5	.00	102	86	94	.25	0	0
07/24	97	6	75	5	86	5	.00	106	87	97	.21	0	0
07/25	98	7	75	5	87	6	.00	108	79	94	.39	0	0
07/26	99	8	75	5	87	6	.00	110	89	100	.29	0	0
07/27	95	4	68	-2	82	1	.90	101	83	92	.15	18	0
07/28	90	-1	70	0	80	-1	.00	94	82	88	.21	10	0
07/29	92	1	68	-2	80	-1	.00	103	80	92	.24	0	0
07/30	91	0	76	6	84	3	.01	100	86	93	.24	9	0
07/31	90	-1	70	0	80	-1	.47	97	81	89	.22	12	0

AIR TEMPERATURES:

Mean Maximum= 93.2 Mean Minimum= 70.3 Average= 81.7
 DFN= +2.3 DFN= +.3 DFN= +1.3
 Highest= 99 Lowest= 61

PRECIPITATION STATISTICS:

Total= 3.73 DFN= -2.22 Greatest Daily= 1.47 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= .24 Hours of Wet Vegetation= 3.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
07/ 1	90	-1	69	1	80	0	.00	89	78	84	9.99	999	0
07/ 2	93	2	67	-2	80	0	.10	91	78	85	9.99	999	0
07/ 3	90	-1	67	-2	79	-1	.00	90	78	84	9.99	999	0
07/ 4	92	1	70	1	81	1	.00	91	80	86	9.99	999	0
07/ 5	90	-1	68	-1	79	-1	.40	88	78	83	9.99	999	0
07/ 6	89	-2	67	-2	78	-2	.62	86	77	82	9.99	999	0
07/ 7	85	-7	62	-7	74	-7	.00	87	76	82	9.99	999	0
07/ 8	88	-4	61	-8	75	-6	88.88	87	76	82	9.99	999	0
07/ 9	88	-4	62	-7	75	-6	.00	87	77	82	9.99	999	0
07/10	89	-3	62	-7	76	-5	.00	88	77	83	9.99	999	0
07/11	90	-2	65	-4	78	-3	.00	89	78	84	9.99	999	0
07/12	90	-2	65	-4	78	-3	.00	91	79	85	9.99	999	0
07/13	92	0	66	-3	79	-2	.00	91	80	86	9.99	999	0
07/14	94	2	68	-1	81	0	.00	94	81	88	9.99	999	0
07/15	94	2	70	1	82	1	.00	94	81	88	9.99	999	0
07/16	95	3	71	2	83	2	.00	93	82	88	9.99	999	0
07/17	94	2	65	-4	80	-1	1.75	91	80	86	9.99	999	0
07/18	90	-2	68	-1	79	-2	.13	95	80	88	9.99	999	0
07/19	90	-2	67	-2	79	-2	.22	88	79	84	9.99	999	0
07/20	90	-2	68	-1	79	-2	.00	90	79	85	9.99	999	0
07/21	95	3	72	2	84	3	.05	91	81	86	9.99	999	0
07/22	95	3	70	0	83	2	.00	91	82	87	9.99	999	0
07/23	93	1	70	0	82	1	.00	92	82	87	9.99	999	0
07/24	94	2	72	2	83	2	.00	93	83	88	9.99	999	0
07/25	95	3	73	3	84	3	.00	95	84	90	9.99	999	0
07/26	95	3	73	3	84	3	.00	95	85	90	9.99	999	0
07/27	92	0	70	0	81	0	.55	95	83	89	9.99	999	0
07/28	90	-2	70	0	80	-1	.00	90	82	86	9.99	999	0
07/29	89	-3	67	-3	78	-3	.00	90	80	85	9.99	999	0
07/30	90	-2	67	-3	79	-2	.00	90	80	85	9.99	999	0
07/31	89	-3	67	-2	78	-3	.00	90	81	86	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 91.3 Mean Minimum= 67.7 Average= 79.5
 DFN= -.5 DFN= -1.6 DFN= -1.0
 Highest= 95 Lowest= 61

PRECIPITATION STATISTICS:

Total= 3.82 DFN= -.71 Greatest Daily= 1.75 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
07/ 1	85	-2	67	2	76	0	.47	85	75	80	9.99	999	0
07/ 2	87	0	61	-5	74	-3	1.18	84	71	78	9.99	999	0
07/ 3	88	1	65	-1	77	0	.00	87	70	79	9.99	999	0
07/ 4	87	0	67	1	77	0	88.88	85	74	80	9.99	999	0
07/ 5	88	1	68	2	78	1	.24	87	74	81	9.99	999	0
07/ 6	81	-6	61	-5	71	-6	.03	82	72	77	9.99	999	0
07/ 7	83	-5	58	-8	71	-6	.00	85	70	78	9.99	999	0
07/ 8	85	-3	61	-5	73	-4	.00	86	70	78	9.99	999	0
07/ 9	85	-3	60	-6	73	-4	.00	89	72	81	9.99	999	0
07/10	85	-3	62	-4	74	-3	.00	89	73	81	9.99	999	0
07/11	87	-1	62	-4	75	-2	.00	90	73	82	9.99	999	0
07/12	90	2	66	0	78	1	.37	90	74	82	9.99	999	0
07/13	90	2	65	-1	78	1	.83	83	74	79	9.99	999	0
07/14	90	2	68	2	79	2	.00	89	74	82	9.99	999	0
07/15	92	4	68	2	80	3	.00	89	77	83	9.99	999	0
07/16	92	4	67	1	80	3	.00	90	77	84	9.99	999	0
07/17	90	2	70	4	80	3	.00	90	77	84	9.99	999	0
07/18	87	-1	66	0	77	0	.30	85	75	80	9.99	999	0
07/19	88	0	66	0	77	0	.00	88	75	82	9.99	999	0
07/20	90	2	68	2	79	2	.00	89	76	83	9.99	999	0
07/21	91	3	65	-2	78	0	.00	88	77	83	9.99	999	0
07/22	94	6	68	1	81	3	.00	92	77	85	9.99	999	0
07/23	94	6	72	5	83	5	.00	95	80	88	9.99	999	0
07/24	94	6	72	5	83	5	.00	95	80	88	9.99	999	0
07/25	93	5	72	5	83	5	.00	93	81	87	9.99	999	0
07/26	93	5	66	-1	80	2	88.88	93	81	87	9.99	999	0
07/27	89	1	67	0	78	0	.00	92	79	86	9.99	999	0
07/28	89	1	65	-1	77	0	.00	91	78	85	9.99	999	0
07/29	90	2	63	-3	77	0	.00	93	78	86	9.99	999	0
07/30	90	2	63	-3	77	0	.00	94	78	86	9.99	999	0
07/31	90	2	63	-3	77	0	.00	93	78	86	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 88.9 Mean Minimum= 65.5 Average= 77.2
 DFN= +1.1 DFN= -.6 DFN= +.2
 Highest= 94 Lowest= 58

PRECIPITATION STATISTICS:

Total= 3.42 DFN= -.31 Greatest Daily= 1.18 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
07/ 1	88	-2	69	2	79	0	.00	91	76	84	.19	999	0
07/ 2	92	2	66	-1	79	0	.01	95	77	86	.26	999	0
07/ 3	91	1	67	0	79	0	.00	98	76	87	.25	999	0
07/ 4	90	0	70	2	80	1	.00	96	80	88	.21	999	0
07/ 5	90	0	70	2	80	1	.00	98	79	87	.23	999	0
07/ 6	86	-4	65	-3	76	-3	1.13	89	67	78	9.99	999	0
07/ 7	86	-4	62	-6	74	-5	.00	92	74	83	.14	999	0
07/ 8	87	-3	65	-3	76	-3	.00	91	72	82	.23	999	0
07/ 9	86	-4	63	-5	75	-4	.00	92	74	83	.22	999	0
07/10	89	-2	69	1	79	-1	.00	95	73	84	.21	999	0
07/11	90	-1	65	-3	78	-2	.00	97	77	87	.27	999	0
07/12	92	1	65	-3	79	-1	.00	96	76	86	.21	999	0
07/13	93	2	69	1	81	1	.00	98	77	88	.25	999	0
07/14	94	3	68	0	81	1	.00	100	79	90	.27	999	0
07/15	94	3	69	1	82	2	.00	100	80	90	.29	999	0
07/16	95	4	69	0	82	2	.00	99	80	90	.21	999	0
07/17	95	4	68	-1	82	2	.00	98	81	90	.25	999	0
07/18	92	1	67	-2	80	0	.00	98	81	90	.16	999	0
07/19	92	1	66	-3	79	-1	.00	100	79	90	.20	999	0
07/20	93	2	67	-2	80	0	.00	99	78	89	.20	999	0
07/21	96	5	71	2	84	4	.00	101	81	91	.24	999	0
07/22	97	6	70	1	84	4	.00	102	82	92	.26	999	0
07/23	95	4	71	2	83	3	.00	102	82	92	.30	999	0
07/24	96	5	73	4	85	5	.00	103	82	93	.27	999	0
07/25	95	4	72	3	84	4	.00	104	84	94	.32	999	0
07/26	96	5	72	3	84	4	.00	105	82	94	.34	999	0
07/27	95	4	66	-3	81	1	.90	103	79	91	.27	999	0
07/28	90	-1	68	0	79	-1	.00	95	76	86	.23	999	0
07/29	90	-1	66	-2	78	-2	.00	100	79	90	.23	999	0
07/30	92	1	69	1	81	1	.00	102	76	89	.27	999	0
07/31	90	-1	65	-3	78	-2	.00	100	79	90	.28	999	0

AIR TEMPERATURES:

Mean Maximum= 91.8 Mean Minimum= 67.8 Average= 79.8
 DFN= +1.1 DFN= -.5 DFN= +.3
 Highest= 97 Lowest= 62

PRECIPITATION STATISTICS:

Total= 2.04 DFN= -3.08 Greatest Daily= 1.13 Rain Days= 3

AVERAGE DAILY VALUES:

Pan Evaporation= .24 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
07/ 1	86	-6	67	1	77	-2	.09	86	77	82	.21	999	5123
07/ 2	91	-1	65	-1	78	-1	.52	92	77	85	9.99	999	6830
07/ 3	90	-2	69	3	80	1	.00	88	79	84	.19	999	5648
07/ 4	89	-3	70	4	80	1	.00	87	79	83	.19	999	4866
07/ 5	90	-2	72	6	81	2	.02	91	80	86	.32	999	6820
07/ 6	82	-10	65	-1	74	-5	.54	82	75	79	.10	999	2709
07/ 7	85	-7	55	-12	70	-10	.00	87	72	80	.34	999	7325
07/ 8	85	-7	65	-2	75	-5	.00	88	77	83	.23	999	7588
07/ 9	88	-4	60	-7	74	-6	.00	90	76	83	.28	999	7247
07/10	89	-3	64	-3	77	-3	.00	91	79	85	.21	999	7098
07/11	90	-2	62	-5	76	-4	.00	92	78	85	.28	999	6598
07/12	91	-1	62	-5	77	-3	.00	94	80	87	.25	999	7474
07/13	91	-1	69	2	80	0	.00	92	81	87	.19	999	5700
07/14	92	0	65	-2	79	-1	.00	93	82	88	.23	999	5788
07/15	93	1	68	1	81	1	.00	95	82	89	.22	999	6400
07/16	92	0	70	3	81	1	.00	94	84	89	.25	999	5997
07/17	93	1	71	4	82	2	.00	94	85	90	.17	999	4944
07/18	87	-5	68	1	78	-2	.00	90	82	86	.17	999	4180
07/19	90	-2	66	-1	78	-2	.00	92	81	87	.18	999	4895
07/20	94	2	67	0	81	1	.00	96	84	90	.20	999	6882
07/21	96	4	73	6	85	5	.00	97	86	92	.22	999	6591
07/22	96	4	68	1	82	2	88.88	92	82	87	.19	999	4275
07/23	96	3	70	3	83	3	.00	97	86	92	.23	999	6808
07/24	95	2	74	7	85	5	.00	98	87	93	.27	999	6573
07/25	94	1	70	3	82	2	.00	96	86	91	.26	999	6322
07/26	94	1	70	3	82	2	.00	97	86	92	.27	999	6391
07/27	93	0	65	-2	79	-1	.00	97	85	91	.26	999	6269
07/28	96	3	66	-1	81	1	.00	97	85	91	.24	999	7002
07/29	91	-2	63	-4	77	-3	.00	95	84	90	.25	999	6008
07/30	93	0	64	-3	79	-1	.00	96	84	90	.31	999	6970
07/31	94	1	63	-4	79	-1	.00	96	84	90	.31	999	6982

AIR TEMPERATURES:

Mean Maximum= 91.2 Mean Minimum= 66.6 Average= 78.9
 DFN= -1.1 DFN= -.2 DFN= -.6
 Highest= 96 Lowest= 55

PRECIPITATION STATISTICS:

Total= 1.17 DFN= -3.74 Greatest Daily= .54 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= .23 Hours of Wet Vegetation= 999.9 Solar Energy= 6138.8

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
08/ 1	92	1	68	1	80	1	.13	77	79	88	9.99	999	0
08/ 2	90	-1	70	3	80	1	.00	99	79	89	9.99	999	0
08/ 3	92	1	68	1	80	1	.03	98	80	89	9.99	999	0
08/ 4	94	3	69	2	82	3	.00	99	80	90	9.99	999	0
08/ 5	95	4	69	2	82	3	.00	100	80	90	9.99	999	0
08/ 6	96	5	70	3	83	4	88.88	99	81	90	9.99	999	0
08/ 7	97	6	71	4	84	5	.01	102	81	92	9.99	999	0
08/ 8	94	3	69	2	82	3	.00	102	82	92	9.99	999	0
08/ 9	92	1	68	1	80	1	.00	97	80	89	9.99	999	0
08/10	96	5	68	1	82	3	.00	100	80	90	9.99	999	0
08/11	96	5	71	4	84	5	.00	99	83	91	9.99	999	0
08/12	96	5	70	3	83	4	.13	100	82	91	9.99	999	0
08/13	91	0	63	-3	77	-2	.00	99	77	88	9.99	999	0
08/14	92	1	62	-4	77	-2	.00	101	77	89	9.99	999	0
08/15	93	2	64	-2	79	0	.00	99	77	88	9.99	999	0
08/16	93	2	68	2	81	2	.00	101	81	91	9.99	999	0
08/17	99	-2	67	1	79	-1	.00	98	81	90	9.99	999	0
08/18	94	3	67	1	81	2	.00	100	81	91	9.99	999	0
08/19	96	5	67	1	82	3	.00	102	81	92	9.99	999	0
08/20	100	9	67	1	84	5	.00	104	81	93	9.99	999	0
08/21	101	11	72	6	87	9	.00	102	83	93	9.99	999	0
08/22	102	12	75	10	89	11	.00	106	85	96	9.99	999	0
08/23	102	12	73	8	88	10	.00	105	86	96	9.99	999	0
08/24	101	11	72	7	87	9	.00	105	85	95	9.99	999	0
08/25	100	10	71	6	86	8	.48	102	81	92	9.99	999	0
08/26	97	7	70	5	84	6	.45	97	80	89	9.99	999	0
08/27	92	2	72	7	82	4	.00	92	79	86	9.99	999	0
08/28	95	6	72	7	84	7	.00	99	79	89	9.99	999	0
08/29	96	7	69	4	83	6	.25	99	80	90	9.99	999	0
08/30	93	4	66	2	80	3	.00	94	76	85	9.99	999	0
08/31	93	4	66	2	80	3	.00	99	76	88	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 95.2 Mean Minimum= 68.8 Average= 82.0
 DFN= +4.6 DFN= +2.8 DFN= +3.7
 Highest= 102 Lowest= 62

PRECIPITATION STATISTICS:

Total= 1.48 DFN= -1.64 Greatest Daily= .48 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Enrgy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Farenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG SOLAR			
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN	MEAN	EVAP	WET	ENERGY
08/ 1	88	-5	71	3	80	-1	.26	92	78	85	9.99	999	0
08/ 2	83	-10	66	-2	75	-6	2.05	84	74	79	9.99	999	0
08/ 3	84	-9	69	1	77	-4	1.98	83	74	79	9.99	999	0
08/ 4	87	-6	68	0	78	-3	.00	88	74	81	9.99	999	0
08/ 5	92	-1	69	1	81	0	.00	93	75	84	9.99	999	0
08/ 6	94	1	68	0	81	0	88.88	95	76	86	9.99	999	0
08/ 7	95	2	68	0	82	1	.00	96	76	86	9.99	999	0
08/ 8	94	1	66	-2	80	-1	4.28	98	75	87	9.99	999	0
08/ 9	92	-1	67	-1	80	-1	.00	94	75	85	9.99	999	0
08/10	90	-3	69	1	80	-1	.00	90	76	83	9.99	999	0
08/11	95	2	68	0	82	1	.33	98	78	88	9.99	999	0
08/12	93	0	71	3	82	1	.00	95	88	92	9.99	999	0
08/13	91	-2	70	3	81	1	.00	99	79	89	9.99	999	0
08/14	89	-4	70	3	80	0	88.88	95	76	87	9.99	999	0
08/15	91	-2	70	3	81	1	.00	100	78	89	9.99	999	0
08/16	86	-7	65	-2	76	-4	.00	99	78	89	9.99	999	0
08/17	92	-1	64	-3	78	-2	.00	101	77	89	9.99	999	0
08/18	92	-1	62	-5	77	-3	.00	102	77	90	9.99	999	0
08/19	93	0	64	-3	79	-1	.00	102	77	90	9.99	999	0
08/20	96	4	66	-1	81	1	.00	103	79	91	9.99	999	0
08/21	98	6	68	1	83	3	.00	104	80	92	9.99	999	0
08/22	100	8	72	5	86	6	.00	105	82	94	9.99	999	0
08/23	94	2	66	-1	80	0	.02	96	77	87	9.99	999	0
08/24	95	3	66	-1	81	.1	.00	103	78	91	9.99	999	0
08/25	96	4	70	3	83	3	.00	103	82	93	9.99	999	0
08/26	97	5	70	3	84	4	.00	103	82	93	9.99	999	0
08/27	91	-1	70	3	81	1	.03	100	79	90	9.99	999	0
08/28	94	2	68	1	81	1	.00	102	79	91	9.99	999	0
08/29	96	5	69	2	83	4	.25	104	79	92	9.99	999	0
08/30	96	5	67	0	82	3	.36	94	75	85	9.99	999	0
08/31	96	5	67	0	82	3	.00	95	75	85	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 92.6 Mean Minimum= 67.9 Average= 80.2
 DFN= +.1 DFN= +.5 DFN= +.3
 Highest= 100 Lowest= 62

PRECIPITATION STATISTICS:

Total= 9.56 DFN= +4.41 Greatest Daily= 4.28 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1963

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
08/ 1	90	-2	71	1	81	0	1.76	102	80	91	9.99	999	0
08/ 2	86	-6	70	0	78	-3	.22	87	79	83	9.99	999	0
08/ 3	87	-5	70	0	79	-2	.05	90	79	85	9.99	999	0
08/ 4	88	-4	71	2	80	-1	.01	88	79	84	9.99	999	0
08/ 5	92	0	71	2	82	1	.00	95	80	88	9.99	999	0
08/ 6	93	1	71	2	82	1	.00	94	81	89	9.99	999	0
08/ 7	92	0	72	3	82	1	.00	97	82	90	9.99	999	0
08/ 8	93	1	72	3	83	2	.00	99	82	91	9.99	999	0
08/ 9	93	1	71	2	82	1	.00	97	82	90	9.99	999	0
08/10	93	1	71	2	82	1	.00	97	82	90	9.99	999	0
08/11	95	4	73	4	84	4	.00	98	82	90	9.99	999	0
08/12	91	0	71	2	81	1	.00	91	81	86	9.99	999	0
08/13	92	1	71	2	82	2	.00	97	82	90	9.99	999	0
08/14	94	3	71	2	83	3	.00	98	82	90	9.99	999	0
08/15	93	2	69	0	81	1	.00	95	81	88	9.99	999	0
08/16	92	1	68	-1	80	0	.00	98	81	90	9.99	999	0
08/17	93	2	66	-3	80	0	.00	95	80	88	9.99	999	0
08/18	94	3	66	-3	80	0	.00	999	999	999	9.99	999	0
08/19	94	3	66	-3	80	0	.00	96	80	88	9.99	999	0
08/20	95	4	66	-3	81	1	.00	999	999	999	9.99	999	0
08/21	98	7	72	3	85	5	.00	999	999	999	9.99	999	0
08/22	98	7	72	3	85	5	.00	999	999	999	9.99	999	0
08/23	92	1	73	5	83	3	.00	92	83	88	9.99	999	0
08/24	98	7	73	5	86	6	.00	99	82	91	9.99	999	0
08/25	98	8	73	5	86	7	.00	99	82	91	9.99	999	0
08/26	100	10	70	2	85	6	.41	99	81	90	9.99	999	0
08/27	90	0	70	2	80	1	.01	92	81	87	9.99	999	0
08/28	96	6	72	4	84	5	.00	95	80	88	9.99	999	0
08/29	96	6	73	5	85	6	.00	96	81	89	9.99	999	0
08/30	95	5	69	1	82	3	.19	93	79	86	9.99	999	0
08/31	95	5	69	1	82	3	.00	93	79	87	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 93.4 Mean Minimum= 70.4 Average= 81.9
 DFN= +2.3 DFN= +1.6 DFN= +2.0
 Highest= 100 Lowest= 66

PRECIPITATION STATISTICS:

Total= 2.65 DFN= -1.71 Greatest Daily= 1.76 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1988

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
08/ 1	87	-4	73	1	80	-2	.19	90	81	86	.12	999	0
08/ 2	82	-9	71	-1	77	-5	1.05	84	78	81	.12	999	0
08/ 3	76	-15	72	0	74	-8	.84	78	76	77	.02	999	0
08/ 4	87	-4	72	0	80	-2	.08	87	77	82	.15	999	0
08/ 5	89	-2	71	-1	80	-2	.31	86	78	82	.09	999	0
08/ 6	88	-3	72	0	80	-2	.03	90	78	84	.25	999	0
08/ 7	90	-1	69	-3	80	-2	.10	93	79	86	.02	999	0
08/ 8	90	-1	70	-2	80	-2	.00	91	78	85	.24	999	0
08/ 9	90	-1	71	-1	81	-1	.00	89	77	83	.18	999	0
08/10	90	-1	76	4	83	1	88.88	94	80	87	.19	999	0
08/11	91	0	78	6	85	3	88.88	95	82	89	.19	999	0
08/12	93	2	77	5	85	3	88.88	101	83	92	.23	999	0
08/13	89	-2	75	3	82	0	.11	103	82	93	.15	999	0
08/14	88	-2	73	1	81	0	.00	97	82	90	.22	999	0
08/15	93	3	74	2	84	3	.40	98	81	90	.22	999	0
08/16	86	-4	73	1	80	-1	2.37	97	81	89	9.99	999	0
08/17	89	-1	72	0	81	0	.00	90	80	85	.09	999	0
08/18	90	0	71	-1	81	0	.00	93	80	87	.19	999	0
08/19	91	1	71	-1	81	0	.00	94	80	87	.20	999	0
08/20	93	3	72	0	83	2	.00	100	80	90	.32	999	0
08/21	95	5	75	3	85	4	.00	104	83	96	.23	999	0
08/22	96	6	81	9	89	8	.00	102	95	99	.26	999	0
08/23	88	-2	72	0	80	-1	.00	95	84	90	.14	999	0
08/24	95	5	73	1	84	3	.00	103	89	96	.22	999	0
08/25	93	3	75	3	84	3	.31	99	84	92	.18	999	0
08/26	96	6	75	4	86	5	.00	94	81	88	.24	999	0
08/27	94	4	74	3	84	3	.18	94	82	88	.21	999	0
08/28	93	3	74	3	84	3	.00	99	82	91	.14	999	0
08/29	92	2	74	3	83	2	.00	99	84	92	.23	999	0
08/30	94	4	71	0	83	2	.11	96	80	88	.19	999	0
08/31	92	3	73	2	83	3	.00	96	81	89	.20	999	0

AIR TEMPERATURES:

Mean Maximum= 90.3 Mean Minimum= 73.2 Average= 81.8
 DFN= -.1 DFN= +1.4 DFN= +.7
 Highest= 96 Lowest= 69

PRECIPITATION STATISTICS:

Total= 6.08 DFN= +.61 Greatest Daily= 2.37 Rain Days= 13

AVERAGE DAILY VALUES:

Pan Evaporation= .18 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
08/ 1	88	-3	69	-1	79	-2	.49	91	80	86	.13	24	0
08/ 2	87	-4	70	0	79	-2	.16	90	79	85	.10	24	0
08/ 3	84	-7	69	-1	77	-4	.17	89	79	84	.11	24	0
08/ 4	87	-4	70	0	79	-2	.01	93	78	86	.12	24	0
08/ 5	90	-1	71	1	81	0	.00	97	81	89	.21	0	0
08/ 6	93	2	73	3	83	2	.00	102	81	92	.19	5	0
08/ 7	94	3	69	-1	82	1	.77	100	81	91	.35	8	0
08/ 8	92	1	70	0	81	0	.00	97	81	89	.16	4	0
08/ 9	92	1	72	2	82	1	.00	98	80	89	.24	999	0
08/10	93	2	72	2	83	2	.00	101	82	92	.24	999	0
08/11	94	3	73	3	84	3	.00	104	83	94	.22	999	0
08/12	94	3	72	2	83	2	.65	105	82	94	.33	16	0
08/13	93	2	71	1	82	1	.00	104	81	93	.18	0	0
08/14	92	1	70	0	81	0	.13	98	82	90	.27	6	0
08/15	88	-3	69	-1	79	-2	.01	93	80	88	.18	1	0
08/16	87	-4	62	-8	75	-6	.00	87	80	84	.18	0	0
08/17	87	-3	62	-8	75	-5	.00	87	80	84	.18	0	0
08/18	91	1	67	-3	79	-1	.00	91	81	86	.24	0	0
08/19	94	4	68	-2	81	1	.00	93	84	89	.26	0	0
08/20	95	5	73	4	84	4	.00	93	84	89	.24	0	0
08/21	97	7	75	6	86	6	.00	94	86	90	.26	0	0
08/22	100	10	75	6	88	8	.00	96	86	91	.27	1	0
08/23	98	8	67	0	84	4	.00	98	84	91	.17	0	0
08/24	97	7	71	2	84	4	.00	100	84	92	.22	0	0
08/25	97	7	71	2	84	4	.00	100	84	92	.22	0	0
08/26	97	7	71	2	84	4	.00	101	86	94	.24	0	0
08/27	93	3	70	1	82	2	.47	100	82	91	.23	12	0
08/28	94	4	70	1	82	2	.00	94	81	88	.15	4	0
08/29	94	4	71	2	83	3	.37	94	80	87	.24	999	0
08/30	95	5	70	1	83	3	.00	95	80	88	.23	0	0
08/31	95	5	70	1	83	3	.00	95	80	88	.20	0	0

AIR TEMPERATURES:

Mean Maximum= 92.6 Mean Minimum= 70.2 Average= 81.4
 DFN= +2.1 DFN= +.5 DFN= +1.0
 Highest= 100 Lowest= 62

PRECIPITATION STATISTICS:

Total= 3.23 DFN= -1.73 Greatest Daily= .77 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .21 Hours of Wet Vegetation= 5.7 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION 1983
ALABAMA

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
08/ 1	88	-4	68	-2	78	-3	.10	88	80	84	9.99	999	0
08/ 2	84	-8	68	-2	76	-5	.25	82	78	80	9.99	999	0
08/ 3	85	-7	67	-3	76	-5	.18	83	77	80	9.99	999	0
08/ 4	88	-4	67	-2	78	-3	.12	87	77	82	9.99	999	0
08/ 5	91	-1	68	-1	80	-1	.00	90	78	84	9.99	999	0
08/ 6	94	2	66	-3	80	-1	.00	91	81	86	9.99	999	0
08/ 7	93	1	66	-3	80	-1	.05	91	81	86	9.99	999	0
08/ 8	91	-1	67	-2	79	-2	.00	92	81	87	9.99	999	0
08/ 9	94	2	67	-2	81	0	.20	92	81	87	9.99	999	0
08/10	93	1	69	0	81	0	.00	90	81	86	9.99	999	0
08/11	95	3	69	0	82	1	.00	92	81	87	9.99	999	0
08/12	93	1	69	0	81	0	.00	90	82	86	9.99	999	0
08/13	92	0	69	0	81	0	.00	92	82	87	9.99	999	0
08/14	91	-1	65	-4	78	-3	.00	91	81	86	9.99	999	0
08/15	89	-3	65	-4	77	-4	.00	90	80	85	9.99	999	0
08/16	89	-3	63	-6	76	-5	.00	90	80	85	9.99	999	0
08/17	90	-2	61	-8	76	-5	.00	91	80	86	9.99	999	0
08/18	90	-1	63	-6	77	-3	.00	90	80	85	9.99	999	0
08/19	92	1	63	-6	78	-2	.00	91	81	86	9.99	999	0
08/20	95	4	64	-5	80	0	.00	92	81	87	9.99	999	0
08/21	98	7	71	2	85	5	.00	94	82	88	9.99	999	0
08/22	99	8	74	5	87	7	.00	95	84	90	9.99	999	0
08/23	97	6	71	3	84	4	88.88	92	84	88	9.99	999	0
08/24	97	6	70	2	84	4	.00	95	84	90	9.99	999	0
08/25	99	8	70	2	85	5	.00	95	85	90	9.99	999	0
08/26	98	7	67	-1	83	3	.05	94	82	88	9.99	999	0
08/27	88	-2	67	-1	78	-1	.00	82	82	82	9.99	999	0
08/28	96	6	68	0	82	3	.00	93	82	88	9.99	999	0
08/29	93	3	70	2	82	3	.09	90	82	86	9.99	999	0
08/30	95	5	66	-2	81	2	.31	89	79	84	9.99	999	0
08/31	94	4	65	-3	80	1	.00	90	79	85	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 92.6 Mean Minimum= 67.2 Average= 79.9
 DFN= +1.2 DFN= -1.6 DFN= -.2
 Highest= 99 Lowest= 61

PRECIPITATION STATISTICS:

Total= 1.35 DFN= -2.07 Greatest Daily= .31 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1982

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
08/ 1	88	0	67	1	78	1	.04	90	78	81	9.99	999	0
08/ 2	85	-3	64	-2	75	-2	.02	87	74	82	9.99	999	0
08/ 3	86	-3	64	-2	75	-3	.00	89	77	83	9.99	999	0
08/ 4	90	1	63	-3	77	-1	.00	91	77	84	9.99	999	0
08/ 5	93	4	65	-1	79	1	.00	94	78	86	9.99	999	0
08/ 6	92	3	65	-1	79	1	.00	91	78	85	9.99	999	0
08/ 7	94	5	65	-1	80	2	.18	91	76	84	9.99	999	0
08/ 8	93	5	65	-1	79	2	.00	94	78	86	9.99	999	0
08/ 9	89	1	63	-3	76	-1	.00	85	75	80	9.99	999	0
08/10	92	4	66	0	79	2	.00	91	75	83	9.99	999	0
08/11	94	6	68	2	81	4	.00	90	77	84	9.99	999	0
08/12	93	5	69	-7	76	-1	.00	93	79	86	9.99	999	0
08/13	84	-4	56	-10	70	-7	.00	89	75	82	9.99	999	0
08/14	89	1	57	-9	73	-4	.00	92	75	84	9.99	999	0
08/15	87	-1	60	-6	74	-3	.00	92	76	84	9.99	999	0
08/16	88	0	61	-5	75	-2	.00	90	76	83	9.99	999	0
08/17	89	1	61	-4	75	-2	.00	89	73	83	9.99	999	0
08/18	91	3	62	-3	77	0	.00	89	77	83	9.99	999	0
08/19	93	5	63	-2	78	1	.00	91	78	85	9.99	999	0
08/20	97	9	64	-1	81	4	.00	92	78	85	9.99	999	0
08/21	97	9	67	2	82	5	.00	92	80	86	9.99	999	0
08/22	103	15	69	4	86	9	.00	94	81	88	9.99	999	0
08/23	101	14	69	4	85	9	.00	94	81	88	9.99	999	0
08/24	98	11	69	4	84	8	88.88	93	80	87	9.99	999	0
08/25	98	11	71	6	85	9	.00	94	80	87	9.99	999	0
08/26	94	7	71	6	83	7	88.88	93	81	87	9.99	999	0
08/27	92	5	69	4	81	5	.00	92	80	86	9.99	999	0
08/28	95	8	70	6	83	7	.00	93	80	87	9.99	999	0
08/29	96	7	66	2	81	5	.19	93	78	86	9.99	999	0
08/30	92	6	63	-1	78	3	.00	88	76	82	9.99	999	0
08/31	95	9	68	4	82	7	.00	91	75	83	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 92.5 Mean Minimum= 64.8 Average= 78.7
 DFN= +4.7 DFN= -5 DFN= +2.1
 Highest= 103 Lowest= 56

PRECIPITATION STATISTICS:

Total= .43 DFN= -2.57 Greatest Daily= .19 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Eners.= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1993

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG	SOLAR ENERGY		
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN			MEAN	EVAP
08/ 1	91	0	67	-1	79	-1	88.88	102	80	91	.24	999	0
08/ 2	91	0	66	-2	79	-1	.44	91	77	84	.09	999	0
08/ 3	85	-6	66	-2	76	-4	.49	90	77	84	.12	999	0
08/ 4	89	-2	66	-2	78	-2	.00	93	75	84	.19	999	0
08/ 5	90	-1	67	-1	79	-1	.03	94	71	83	.16	999	0
08/ 6	93	2	65	-3	79	-1	.01	96	78	87	.16	999	0
08/ 7	93	2	67	-1	80	0	1.22	100	76	88	.26	999	0
08/ 8	91	0	67	-1	79	-1	.00	95	77	86	.26	999	0
08/ 9	92	1	67	-1	80	0	.46	94	77	86	.20	999	0
08/10	92	1	67	-1	80	0	.18	92	77	85	.18	999	0
08/11	94	3	68	0	81	1	.00	105	78	92	.23	999	0
08/12	92	1	68	0	80	0	.00	103	78	91	.25	999	0
08/13	90	-1	67	-1	79	-1	.57	95	78	87	.17	999	0
08/14	91	0	63	-4	77	-2	.00	95	77	86	.24	999	0
08/15	88	-3	62	-5	75	-4	.00	93	76	85	.20	999	0
08/16	88	-3	60	-7	74	-5	.00	94	73	84	.24	999	0
08/17	89	-2	63	-4	76	-3	.00	97	75	87	.23	999	0
08/18	90	0	63	-4	77	-2	.00	98	77	88	.21	999	0
08/19	92	2	64	-3	78	-1	.00	99	77	88	.21	999	0
08/20	95	5	67	0	81	2	.00	99	79	89	.17	999	0
08/21	97	7	70	3	84	5	.00	100	80	90	.20	999	0
08/22	98	8	70	3	84	5	.00	101	82	92	.20	999	0
08/23	96	6	68	1	82	3	.00	97	86	93	.15	999	0
08/24	95	5	68	1	82	3	.00	100	81	91	.22	999	0
08/25	99	9	70	4	85	7	.00	103	81	92	.26	999	0
08/26	96	6	64	-2	80	2	1.29	102	78	90	.23	999	0
08/27	88	-1	66	0	77	-1	.00	91	76	84	.13	999	0
08/28	92	3	70	4	81	3	.00	95	77	86	.22	999	0
08/29	93	4	66	0	80	2	.04	94	79	87	.16	999	0
08/30	92	3	66	0	79	1	.00	96	78	87	.19	999	0
08/31	93	4	64	-2	79	1	.00	97	77	88	.23	999	0

AIR TEMPERATURES:

Mean Maximum= 92.1 Mean Minimum= 66.2 Average= 79.1
 DFN= +1.7 DFN= -1.0 DFN= +.4
 Highest= 99 Lowest= 60

PRECIPITATION STATISTICS:

Total= 4.73 DFN= +.79 Greatest Daily= 1.29 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .20 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
08/ 1	93	0	68	1	81	1	.04	95	83	89	.22	999	6190
08/ 2	89	-4	68	1	79	-1	.00	92	83	88	.18	999	4856
08/ 3	87	-6	67	0	77	-3	.00	91	82	87	.13	999	4684
08/ 4	88	-5	67	0	78	-2	.00	91	82	87	.17	999	4911
08/ 5	91	-2	68	1	80	0	.00	94	84	89	.23	999	6103
08/ 6	96	3	65	-2	81	1	.00	97	84	91	.23	999	6338
08/ 7	95	3	66	-1	81	1	1.85	95	80	88	9.99	999	5602
08/ 8	90	-2	68	2	79	0	.00	90	80	85	.17	999	5909
08/ 9	92	0	65	-1	79	0	.00	91	80	86	.24	999	5912
08/10	92	0	70	4	81	2	.00	91	81	86	.11	999	5395
08/11	95	3	70	4	83	4	.00	95	84	90	.24	999	5625
08/12	92	0	71	5	82	3	.00	95	84	90	.34	999	6594
08/13	88	-4	63	-3	76	-3	.00	92	81	87	.14	999	4468
08/14	90	-2	61	-5	76	-3	.00	97	80	89	.23	999	7014
08/15	90	-2	63	-3	77	-2	.00	92	80	86	.21	999	6046
08/16	91	-1	63	-3	77	-2	.00	94	81	88	.18	999	6359
08/17	91	-1	61	-5	76	-3	.00	94	80	87	.25	999	6349
08/18	91	-1	61	-5	76	-3	.00	93	80	87	.26	999	6442
08/19	95	3	63	-3	79	0	.00	95	81	88	.23	999	6595
08/20	97	5	63	-3	80	1	.00	95	83	89	.19	999	6348
08/21	99	8	72	7	86	8	.00	95	86	91	.21	999	5874
08/22	98	7	72	7	85	7	.00	96	85	91	.25	999	5737
08/23	98	7	69	4	84	6	.04	94	82	88	.20	999	4208
08/24	98	7	69	4	84	6	.00	95	84	90	.20	999	5070
08/25	100	9	70	5	85	7	.00	95	85	90	.22	999	5409
08/26	99	6	68	3	84	6	.14	95	80	88	.23	999	4921
08/27	91	0	68	3	80	2	.00	90	82	86	.17	999	4763
08/28	95	5	68	3	82	4	.00	95	82	89	.23	999	5527
08/29	97	7	70	5	84	6	.00	95	84	90	.27	999	6212
08/30	95	5	60	-4	78	1	.00	95	82	89	.23	999	5496
08/31	95	5	62	-2	79	2	.00	98	81	87	.23	999	6423

AIR TEMPERATURES:

Mean Maximum= 93.5 Mean Minimum= 66.4 Average= 80.0
 DFN= +1.8 DFN= +.6 DFN= +1.2
 Highest= 100 Lowest= 60

PRECIPITATION STATISTICS:

Total= 2.07 DFN= -1.06 Greatest Daily= 1.85 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= .22 Hours of Wet Vegetation= 999.9 Solar Energy= 5721.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1980

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
09/ 1	89	1	67	3	78	2	.00	90	78	84	9.99	999	0
09/ 2	92	4	67	3	80	4	88.88	97	78	88	9.99	999	0
09/ 3	85	-3	67	3	76	0	.00	89	78	84	9.99	999	0
09/ 4	82	-6	69	5	76	0	.00	85	77	81	9.99	999	0
09/ 5	88	1	69	5	79	3	.00	90	77	84	9.99	999	0
09/ 6	92	5	68	5	80	5	.00	96	78	87	9.99	999	0
09/ 7	89	2	67	4	78	3	.00	93	79	86	9.99	999	0
09/ 8	97	0	67	4	77	2	88.88	91	78	85	9.99	999	0
09/ 9	95	8	66	3	81	6	.09	97	78	88	9.99	999	0
09/10	94	8	67	5	81	7	.00	98	78	88	9.99	999	0
09/11	95	9	67	5	81	7	.00	98	79	89	9.99	999	0
09/12	97	11	68	6	83	9	.90	101	79	90	9.99	999	0
09/13	82	-3	68	6	75	1	.03	85	77	81	9.99	999	0
09/14	84	-1	61	0	73	0	.10	84	71	78	9.99	999	0
09/15	82	-3	51	-10	67	-6	.00	81	66	74	9.99	999	0
09/16	83	-2	51	-10	67	-6	.00	86	66	76	9.99	999	0
09/17	85	1	61	1	73	1	88.88	87	70	79	9.99	999	0
09/18	90	6	62	2	76	4	.00	91	73	82	9.99	999	0
09/19	91	7	63	4	77	5	.00	93	75	84	9.99	999	0
09/20	88	5	68	9	78	7	.03	88	77	83	9.99	999	0
09/21	81	-2	52	-7	67	-4	.77	81	68	75	9.99	999	0
09/22	64	-19	40	-18	52	-19	.04	76	57	67	9.99	999	0
09/23	70	-13	39	-19	55	-16	.00	77	57	67	9.99	999	0
09/24	71	-11	40	-17	56	-14	.00	81	58	70	9.99	999	0
09/25	76	-6	40	-17	58	-12	.00	81	58	70	9.99	999	0
09/26	76	-6	51	-5	64	-5	.00	82	62	72	9.99	999	0
09/27	77	-4	51	-5	64	-5	.00	81	64	74	9.99	999	0
09/28	81	0	50	-5	66	-2	.00	82	66	74	9.99	999	0
09/29	82	1	50	-5	66	-2	.00	84	66	75	9.99	999	0
09/30	83	3	50	-4	67	0	.00	84	66	75	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 84.4 Mean Minimum= 58.6 Average= 71.5
 DFN= -.2 DFN= -1.6 DFN= -1.9
 Highest= 97 Lowest= 39

PRECIPITATION STATISTICS:

Total= 1.96 DFN= -1.37 Greatest Daily= .90 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		MAX	MIN	MEAN				
09/ 1	96	5	67	0	82	3	.00	99	77	88	9.99	999	0
09/ 2	84	-7	65	-2	75	-4	.02	87	74	81	9.99	999	0
09/ 3	89	-2	64	-3	77	-2	.00	96	74	85	9.99	999	0
09/ 4	85	-6	65	-2	75	-4	.25	90	76	83	9.99	999	0
09/ 5	89	-1	67	1	78	0	.50	90	76	83	9.99	999	0
09/ 6	90	0	66	0	78	0	.46	90	75	83	9.99	999	0
09/ 7	82	-8	63	-3	73	-5	.25	81	72	77	9.99	999	0
09/ 8	91	1	63	-3	77	-1	.00	92	72	82	9.99	999	0
09/ 9	91	1	64	-2	78	0	.00	93	73	83	9.99	999	0
09/10	94	4	66	0	80	2	.00	98	73	87	9.99	999	0
09/11	95	6	66	1	81	4	.41	98	76	87	9.99	999	0
09/12	87	-2	67	2	77	0	.08	86	75	81	9.99	999	0
09/13	80	-9	67	2	74	-3	1.30	79	74	77	9.99	999	0
09/14	79	-10	64	-1	72	-5	.17	80	71	76	9.99	999	0
09/15	85	-4	59	-5	72	-5	.00	85	70	78	9.99	999	0
09/16	84	-4	60	-4	72	-4	.00	86	68	77	9.99	999	0
09/17	88	0	60	-4	74	-2	.00	90	70	80	9.99	999	0
09/18	90	2	61	-2	76	0	.00	94	71	83	9.99	999	0
09/19	89	1	64	1	77	1	.00	96	74	85	9.99	999	0
09/20	88	1	68	5	78	3	.17	88	75	82	9.99	999	0
09/21	85	-2	68	6	77	2	.18	83	75	79	9.99	999	0
09/22	70	-17	43	-19	57	-18	88.88	76	57	67	9.99	999	0
09/23	73	-14	42	-19	58	-16	.00	78	58	68	9.99	999	0
09/24	80	-7	46	-15	63	-11	.00	84	58	71	9.99	999	0
09/25	81	-5	49	-11	65	-8	.00	86	60	73	9.99	999	0
09/26	82	-4	49	-11	66	-7	.00	87	61	74	9.99	999	0
09/27	80	-6	48	-11	64	-9	.00	88	64	76	9.99	999	0
09/28	80	-5	43	-16	62	-10	.00	87	63	75	9.99	999	0
09/29	81	-4	44	-14	63	-9	.00	87	62	75	9.99	999	0
09/30	80	-5	50	-8	65	-7	.00	85	64	75	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 84.9 Mean Minimum= 58.9 Average= 71.9
 DFN= -3.4 DFN= -4.6 DFN= -4.0
 Highest= 96 Lowest= 42

PRECIPITATION STATISTICS:

Total= 3.79 DFN= -1.07 Greatest Daily= 1.30 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
09/ 1	96	6	69	1	83	4	.00	95	79	87	9.99	999	0
09/ 2	88	-2	68	0	78	-1	.01	91	79	85	9.99	999	0
09/ 3	90	1	68	1	79	1	.01	95	79	87	9.99	999	0
09/ 4	88	-1	69	2	79	1	.01	90	80	85	9.99	999	0
09/ 5	93	4	70	3	82	4	.01	95	80	88	9.99	999	0
09/ 6	92	3	68	1	80	2	1.37	93	78	86	9.99	999	0
09/ 7	90	1	68	1	79	1	.14	88	77	83	9.99	999	0
09/ 8	90	1	66	-1	78	0	.00	89	76	83	9.99	999	0
09/ 9	92	4	66	-1	79	1	.00	92	76	84	9.99	999	0
09/10	93	5	67	1	80	3	.00	94	77	86	9.99	999	0
09/11	95	7	68	2	82	5	.00	94	78	86	9.99	999	0
09/12	92	4	66	0	79	2	.38	92	76	84	9.99	999	0
09/13	79	-9	69	3	74	-3	1.25	83	78	81	9.99	999	0
09/14	73	-14	67	2	70	-6	.13	78	75	77	9.99	999	0
09/15	84	-3	60	-5	72	-4	.00	87	73	80	9.99	999	0
09/16	85	-2	60	-5	73	-3	.00	87	73	80	9.99	999	0
09/17	85	-2	64	0	75	-1	.00	88	74	81	9.99	999	0
09/18	88	1	65	1	77	1	.06	91	74	83	9.99	999	0
09/19	90	4	67	3	79	4	.00	90	76	83	9.99	999	0
09/20	85	-1	68	5	77	2	.16	85	77	81	9.99	999	0
09/21	88	2	61	-2	75	0	.70	86	76	81	9.99	999	0
09/22	62	-24	45	-18	54	-21	.03	77	64	71	9.99	999	0
09/23	72	-13	45	-17	59	-15	.00	79	64	72	9.99	999	0
09/24	78	-7	48	-14	63	-11	.00	80	65	73	9.99	999	0
09/25	79	-6	52	-9	66	-7	.00	81	65	73	9.99	999	0
09/26	80	-4	53	-8	67	-6	.00	80	66	73	9.99	999	0
09/27	79	-5	55	-5	67	-5	.00	81	60	71	9.99	999	0
09/28	80	-4	54	-6	67	-5	.00	82	68	75	9.99	999	0
09/29	81	-3	55	-4	68	-4	.00	81	68	75	9.99	999	0
09/30	80	-3	56	-3	68	-3	.00	80	68	74	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 84.9 Mean Minimum= 61.9 Average= 73.4
 DFN= -2.0 DFN= -2.4 DFN= -2.2
 Highest= 96 Lowest= 45

PRECIPITATION STATISTICS:

Total= 4.20 DFN= +.07 Greatest Daily= 1.37 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.0

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1980

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
09/ 1	94	5	73	2	84	4	.00	99	82	91	.24	999	0
09/ 2	85	-4	69	-2	77	-3	88.88	88	80	84	.11	999	0
09/ 3	89	0	68	-3	79	-1	.00	95	80	88	.20	999	0
09/ 4	85	-4	68	-3	77	-3	.25	94	80	87	.21	999	0
09/ 5	89	0	72	1	81	1	.63	92	80	86	.25	999	0
09/ 6	88	-1	70	-1	79	-1	.67	87	78	83	.13	999	0
09/ 7	83	-6	69	-1	76	-4	.15	82	77	80	.06	999	0
09/ 8	88	-1	69	-1	79	-1	.00	89	74	82	.18	999	0
09/ 9	90	2	69	-1	80	1	.00	90	74	82	.21	999	0
09/10	93	5	72	2	83	4	.00	94	77	84	.21	999	0
09/11	93	5	72	2	83	4	.00	95	80	88	.20	999	0
09/12	79	-9	71	1	75	-4	2.90	82	77	80	9.99	999	0
09/13	78	-10	71	2	75	-4	.69	80	76	78	.00	999	0
09/14	84	-4	70	1	77	-2	.00	85	75	80	.19	999	0
09/15	85	-3	63	-6	74	-5	.00	85	72	79	.23	999	0
09/16	84	-3	63	-6	74	-4	.00	86	73	80	.14	999	0
09/17	85	-2	66	-2	76	-2	.00	86	74	80	.20	999	0
09/18	89	2	66	-2	78	0	.00	87	74	81	.17	999	0
09/19	87	0	69	1	78	0	.43	83	75	79	.11	999	0
09/20	86	-1	71	3	79	1	.06	85	76	81	.13	999	0
09/21	82	-4	73	6	78	1	1.23	82	77	80	.13	999	0
09/22	75	-11	47	-20	61	-16	.01	77	64	71	.17	999	0
09/23	74	-12	47	-19	61	-15	.00	75	62	69	.20	999	0
09/24	81	-5	52	-14	67	-9	.00	79	62	71	.21	999	0
09/25	82	-3	57	-9	70	-6	.00	85	64	75	.20	999	0
09/26	82	-3	60	-5	71	-4	.00	86	64	75	.15	999	0
09/27	83	-2	58	-7	71	-4	.00	87	70	79	.21	999	0
09/28	82	-3	56	-9	69	-6	.00	88	70	79	.19	999	0
09/29	82	-3	55	-9	69	-6	.00	88	70	79	.20	999	0
09/30	83	-1	58	-6	71	-3	.00	88	70	79	.19	999	0

AIR TEMPERATURES:

Mean Maximum= 84.7 Mean Minimum= 64.8 Average= 74.7
 DFN= -2.5 DFN= -3.5 DFN= -3.0
 Highest= 94 Lowest= 47

PRECIPITATION STATISTICS:

Total= 7.02 DFN= +.07 Greatest Daily= 2.90 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .17 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1780

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
09/ 1	92	2	68	-1	80	0	1.37	93	81	87	.26	5	0
09/ 2	75	-14	68	-1	72	-7	.72	82	78	80	.24	14	0
09/ 3	85	-4	68	-1	77	-2	.00	91	78	85	.12	6	0
09/ 4	87	-2	70	1	79	0	.46	89	79	84	.01	16	0
09/ 5	88	-1	62	-7	75	-4	.00	93	78	86	.25	1	0
09/ 6	91	2	65	-4	78	-1	.17	93	78	87	.21	16	0
09/ 7	89	0	64	-4	77	-2	.12	90	75	83	.16	10	0
09/ 8	89	0	64	-4	77	-2	.00	90	75	83	.16	10	0
09/ 9	90	1	68	0	79	0	.00	92	78	85	.16	0	0
09/10	93	5	71	3	82	4	.00	95	80	88	.15	999	0
09/11	94	6	71	3	83	5	.00	96	81	89	.18	999	0
09/12	93	5	68	1	81	3	.16	92	79	86	.10	999	0
09/13	80	-8	69	2	75	-3	.56	78	78	78	.08	20	0
09/14	84	-4	65	-2	75	-3	.25	84	78	81	.12	18	0
09/15	82	-5	63	-4	73	-4	.00	85	75	80	.17	9	0
09/16	83	-4	63	-3	73	-4	.00	85	74	80	.14	7	0
09/17	86	-1	65	-1	76	-1	.00	85	73	79	.12	18	0
09/18	88	1	66	0	77	0	.40	93	73	83	.17	8	0
09/19	87	0	64	-2	76	-1	.01	89	77	80	.10	12	0
09/20	88	2	67	2	78	2	.25	90	76	83	.17	16	0
09/21	84	-2	69	4	77	1	.00	85	78	82	.01	16	0
09/22	84	-2	43	-21	64	-11	.00	83	64	74	.13	12	0
09/23	73	-13	47	-17	60	-15	.00	78	62	70	.17	3	0
09/24	78	-7	48	-16	63	-12	.00	82	62	72	.13	0	0
09/25	79	-6	48	-15	64	-10	.00	83	62	73	.14	0	0
09/26	80	-5	49	-14	65	-9	.00	85	65	75	.15	0	0
09/27	75	-10	50	-12	63	-11	.00	84	67	76	.14	4	0
09/28	77	-7	49	-13	63	-10	.00	84	67	76	9.99	0	0
09/29	80	-4	53	-8	67	-6	.00	84	66	73	.15	999	0
09/30	79	-5	53	-8	66	-7	.00	80	68	74	.19	10	0

AIR TEMPERATURES:

Mean Maximum= 84.4 Mean Minimum= 61.3 Average= 72.8
 DFN= -2.7 DFN= -4.7 DFN= -3.7
 Highest= 94 Lowest= 43

PRECIPITATION STATISTICS:

Total= 4.47 DFN= +.39 Greatest Daily= 1.37 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .15 Hours of Wet Vegetation= 9.1 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION 1983
ALABAMA

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
09/ 1	96	6	65	-3	81	2	.06	90	81	86	9.99	999	0
09/ 2	87	-3	65	-2	76	-3	.02	88	80	84	9.99	999	0
09/ 3	88	-1	64	-3	76	-2	.02	86	79	83	9.99	999	0
09/ 4	85	-4	65	-2	75	-3	.00	85	79	82	9.99	999	0
09/ 5	92	3	66	-1	79	1	.10	87	79	83	9.99	999	0
09/ 6	92	3	63	-4	78	0	.30	87	77	82	9.99	999	0
09/ 7	90	1	65	-2	78	0	.50	85	77	81	9.99	999	0
09/ 8	88	-1	62	-4	75	-3	.03	85	77	81	9.99	999	0
09/ 9	90	2	62	-4	76	-1	.00	87	77	82	9.99	999	0
09/10	91	3	63	-3	77	0	.00	88	78	83	9.99	999	0
09/11	94	6	66	0	80	3	.00	88	78	83	9.99	999	0
09/12	90	2	65	-1	78	1	.26	88	78	83	9.99	999	0
09/13	80	-8	65	0	73	-4	1.20	75	73	75	9.99	999	0
09/14	73	-14	63	-2	68	-8	.46	76	74	75	9.99	999	0
09/15	82	-5	55	-10	69	-7	.00	81	73	77	9.99	999	0
09/16	82	-5	55	-9	69	-7	.00	81	73	77	9.99	999	0
09/17	86	-1	58	-6	72	-4	.00	83	74	79	9.99	999	0
09/18	88	2	58	-6	73	-2	.00	84	75	80	9.99	999	0
09/19	88	2	64	1	76	1	.00	84	75	80	9.99	999	0
09/20	85	-1	63	0	74	-1	.67	82	77	80	9.99	999	0
09/21	87	2	56	-6	72	-2	.16	82	76	79	9.99	999	0
09/22	64	-21	39	-23	52	-22	.00	76	65	71	9.99	999	0
09/23	71	-14	38	-24	55	-19	.00	73	64	69	9.99	999	0
09/24	77	-8	41	-20	59	-14	.00	75	64	70	9.99	999	0
09/25	77	-7	45	-16	61	-12	.00	76	65	71	9.99	999	0
09/26	78	-6	50	-10	64	-8	.00	76	66	71	9.99	999	0
09/27	78	-6	49	-11	64	-8	.00	77	68	73	9.99	999	0
09/28	80	-3	48	-11	64	-7	.00	70	67	69	9.99	999	0
09/29	81	-2	48	-11	65	-6	.00	77	67	72	9.99	999	0
09/30	80	-3	50	-8	65	-6	.00	77	68	73	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 84.0 Mean Minimum= 57.2 Average= 70.6
 DFN= -2.7 DFN= -6.7 DFN= -4.7
 Highest= 96 Lowest= 38

PRECIPITATION STATISTICS:

Total= 3.78 DFN= +.23 Greatest Daily= 1.20 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1988

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG WET		SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		MAX	MIN	MEAN	EVAP	WET		
09/ 1	90	4	66	2	78	3	1.24	89	75	82	9.99	999	0
09/ 2	86	0	67	3	77	2	88.88	85	75	80	9.99	999	0
09/ 3	86	0	66	2	76	1	.28	80	74	77	9.99	999	0
09/ 4	81	-5	67	4	74	-1	.08	81	74	78	9.99	999	0
09/ 5	83	-2	70	7	77	3	.00	82	75	79	9.99	999	0
09/ 6	87	2	65	2	76	2	.39	84	74	79	9.99	999	0
09/ 7	84	-1	66	3	75	1	.37	83	74	79	9.99	999	0
09/ 8	85	0	67	4	76	2	.00	83	74	79	9.99	999	0
09/ 9	85	1	66	4	76	3	.74	84	74	79	9.99	999	0
09/10	89	5	67	5	78	5	.00	86	74	80	9.99	999	0
09/11	90	6	67	5	79	6	.00	88	75	82	9.99	999	0
09/12	90	6	66	4	78	5	2.39	87	75	81	9.99	999	0
09/13	80	-3	65	4	73	1	.12	80	74	77	9.99	999	0
09/14	75	-8	61	0	68	-4	.13	77	71	74	9.99	999	0
09/15	79	-4	53	-8	66	-6	.00	79	68	74	9.99	999	0
09/16	78	-5	59	-2	69	-3	.00	79	68	74	9.99	999	0
09/17	81	-1	59	-1	70	-1	.00	80	68	74	9.99	999	0
09/18	86	4	62	2	74	3	.00	82	70	76	9.99	999	0
09/19	86	4	62	3	74	3	.00	84	70	77	9.99	999	0
09/20	84	2	66	7	75	4	.06	83	73	78	9.99	999	0
09/21	78	-3	54	-5	66	-4	.70	77	71	74	9.99	999	0
09/22	61	-20	38	-20	50	-20	.00	72	59	66	9.99	999	0
09/23	67	-14	39	-19	53	-17	.00	73	59	66	9.99	999	0
09/24	70	-10	41	-17	56	-13	.00	72	58	65	9.99	999	0
09/25	70	-10	48	-9	59	-10	.00	72	58	65	9.99	999	0
09/26	73	-7	50	-7	62	-7	.00	76	58	67	9.99	999	0
09/27	75	-4	49	-7	62	-6	.00	76	63	70	9.99	999	0
09/28	77	-2	49	-7	63	-5	.00	78	63	71	9.99	999	0
09/29	80	1	50	-5	65	-2	.00	78	63	71	9.99	999	0
09/30	77	-1	49	-6	63	-4	.00	75	64	70	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 80.4 Mean Minimum= 58.5 Average= 69.5
 DFN= -2.2 DFN= -1.7 DFN= -1.9
 Highest= 90 Lowest= 38

PRECIPITATION STATISTICS:

Total= 6.50 DFN= +2.01 Greatest Daily= 2.39 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.7 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
09/ 1	93	4	62	-4	78	0	.59	97	79	88	.16	999	0
09/ 2	86	-3	63	-3	75	-3	.00	91	78	85	.17	999	0
09/ 3	81	-7	63	-3	72	-5	.29	85	76	81	.13	999	0
09/ 4	83	-5	64	-1	74	-3	.00	87	76	82	.13	999	0
09/ 5	85	-3	65	0	75	-2	.08	86	77	82	.15	999	0
09/ 6	88	0	62	-3	75	-2	.54	90	76	83	.27	999	0
09/ 7	88	0	63	-2	76	-1	.55	90	74	82	9.99	999	0
09/ 8	86	-2	64	-1	75	-2	.00	89	74	82	.16	999	0
09/ 9	90	3	64	0	77	1	.00	71	74	83	.25	999	0
09/10	92	5	64	0	78	2	.00	92	77	85	.11	999	0
09/11	93	6	64	0	79	3	.00	94	78	86	.12	999	0
09/12	93	6	63	-1	78	2	.12	93	78	86	.17	999	0
09/13	79	-3	63	0	71	-4	1.50	84	76	80	.10	999	0
09/14	72	-14	61	-2	67	-8	1.54	78	72	75	9.99	999	0
09/15	81	-5	56	-7	69	-6	.00	85	70	73	.22	999	0
09/16	81	-5	57	-5	69	-5	.00	86	69	78	.18	999	0
09/17	85	-1	57	-5	71	-3	.00	87	71	79	.22	999	0
09/18	87	2	58	-4	73	-1	.00	89	72	81	.22	999	0
09/19	87	2	63	2	75	2	.00	90	72	81	.08	999	0
09/20	83	-2	69	8	76	3	.32	85	75	80	.08	999	0
09/21	82	-2	60	0	71	-1	.23	82	75	79	.09	999	0
09/22	63	-21	44	-16	54	-18	.03	76	61	69	.09	999	0
09/23	70	-14	45	-15	58	-14	.00	77	59	68	.16	999	0
09/24	76	-8	45	-14	61	-11	.00	81	60	71	.16	999	0
09/25	76	-7	50	-9	63	-8	.00	82	61	72	.05	999	0
09/26	77	-6	53	-5	65	-6	.00	82	62	72	.05	999	0
09/27	76	-7	54	-4	65	-6	.00	83	64	74	.15	999	0
09/28	78	-4	54	-3	66	-4	.00	84	65	75	.21	999	0
09/29	80	-2	55	-2	68	-2	.00	85	65	75	.23	999	0
09/30	75	-7	55	-1	65	-4	.00	78	66	72	.16	999	0

AIR TEMPERATURES:

Mean Maximum= 82.2 Mean Minimum= 58.7 Average= 70.4
 DFN= -3.5 DFN= -3.3 DFN= -3.4
 Highest= 93 Lowest= 44

PRECIPITATION STATISTICS:

Total= 5.79 DFN= +1.23 Greatest Daily= 1.54 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .15 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wettings is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG		SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN	EVAP	WET	
09/ 1	94	4	63	-1	79	2	.00	90	81	86	.21	999	4802
09/ 2	94	4	63	-1	79	2	.00	92	81	87	.25	999	5701
09/ 3	85	-4	63	-1	74	-3	.00	87	80	84	.19	999	4161
09/ 4	86	-3	63	-1	75	-2	.00	87	79	83	.16	999	3714
09/ 5	87	-2	64	0	76	-1	.10	88	77	83	.13	999	4210
09/ 6	90	1	65	2	78	2	.03	95	77	86	.20	999	4300
09/ 7	84	-5	65	2	75	-1	1.21	82	76	79	.15	999	2397
09/ 8	88	0	64	1	76	0	.00	85	76	81	.07	999	4049
09/ 9	91	3	62	-1	77	1	.44	85	75	80	.17	999	2797
09/10	91	3	64	1	78	2	.00	89	76	83	.18	999	5798
09/11	92	4	65	3	79	4	.00	89	78	84	.16	999	5577
09/12	95	7	67	5	81	6	.00	91	79	85	.23	999	5635
09/13	80	-7	65	3	73	-2	.50	82	76	79	.10	999	2377
09/14	82	-5	59	-2	71	-3	.00	82	74	78	.12	999	2807
09/15	81	-6	49	-12	65	-9	.00	80	70	75	.20	999	3665
09/16	83	-4	58	-3	71	-3	.00	80	72	76	.17	999	3032
09/17	85	-1	58	-2	72	-1	.00	83	74	79	.15	999	3252
09/18	90	4	58	-2	74	1	.00	86	75	81	.20	999	5263
09/19	90	4	63	4	77	4	.00	87	77	82	.21	999	5319
09/20	84	-2	68	9	76	3	.09	82	77	80	.14	999	2930
09/21	77	-8	48	-11	63	-9	1.85	77	70	74	9.99	999	1006
09/22	65	-20	36	-22	51	-21	.03	75	61	68	.12	999	4642
09/23	72	-13	38	-20	55	-17	.00	75	62	69	.18	999	6187
09/24	75	-10	38	-19	57	-14	.00	76	62	69	.12	999	4008
09/25	77	-7	40	-17	59	-12	.00	78	62	70	.24	999	5921
09/26	78	-6	45	-11	62	-8	.00	77	63	70	.15	999	4748
09/27	78	-6	49	-7	64	-6	.00	75	67	71	.09	999	3702
09/28	80	-3	48	-7	64	-5	.00	79	66	73	.14	999	5203
09/29	82	-1	48	-6	65	-4	.00	79	66	73	.14	999	4939
09/30	82	-1	48	-6	65	-4	.00	80	67	74	.15	999	5113

AIR TEMPERATURES:

Mean Maximum= 83.9 Mean Minimum= 56.1 Average= 70.0
 DFN= -2.7 DFN= -4.1 DFN= -3.4
 Highest= 95 Lowest= 36

PRECIPITATION STATISTICS:

Total= 4.25 DFN= +.40 Greatest Daily= 1.85 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= .16 Hours of Wet Vegetation= 999.9 Solar Energy= 4543.5

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
10/ 1	82	2	45	-9	64	-3	.00	85	65	75	9.99	999	0
10/ 2	84	4	43	-10	64	-3	.00	85	64	75	9.99	999	0
10/ 3	85	6	49	-4	67	1	.00	87	65	76	9.99	999	0
10/ 4	87	8	52	0	70	4	.00	87	66	77	9.99	999	0
10/ 5	84	5	59	7	72	6	.10	83	70	77	9.99	999	0
10/ 6	78	0	50	-1	64	-1	.00	83	66	75	9.99	999	0
10/ 7	81	3	48	-2	65	0	.00	83	65	74	9.99	999	0
10/ 8	81	3	50	0	66	2	.00	84	65	75	9.99	999	0
10/ 9	81	4	50	0	66	2	.00	81	65	73	9.99	999	0
10/10	82	5	52	2	67	3	.00	84	66	75	9.99	999	0
10/11	78	2	52	3	65	2	.02	79	66	73	9.99	999	0
10/12	71	-5	59	10	65	2	.00	74	68	71	9.99	999	0
10/13	75	-1	47	-1	61	-1	1.08	77	62	70	9.99	999	0
10/14	61	-14	37	-11	49	-13	88.88	70	54	62	9.99	999	0
10/15	70	-5	37	-10	54	-7	.00	72	54	63	9.99	999	0
10/16	75	0	41	-6	58	-3	.00	73	55	64	9.99	999	0
10/17	80	6	55	8	68	7	.00	75	61	68	9.99	999	0
10/18	81	7	57	11	69	9	.00	78	64	71	9.99	999	0
10/19	75	2	59	13	67	7	88.88	73	66	70	9.99	999	0
10/20	80	7	58	13	69	10	.00	76	66	71	9.99	999	0
10/21	83	10	59	14	71	12	.00	79	66	73	9.99	999	0
10/22	76	4	58	13	67	8	.00	74	66	70	9.99	999	0
10/23	60	-12	55	11	58	0	.54	67	62	65	9.99	999	0
10/24	59	-13	53	9	56	-2	88.88	64	61	63	9.99	999	0
10/25	60	-11	53	9	57	-1	.00	64	60	62	9.99	999	0
10/26	63	-8	38	-5	51	-6	88.88	63	53	58	9.99	999	0
10/27	66	-4	36	-7	51	-6	.00	63	52	60	9.99	999	0
10/28	66	-4	36	-7	51	-6	.00	68	52	60	9.99	999	0
10/29	75	6	35	-8	55	-1	.00	70	52	61	9.99	999	0
10/30	78	9	40	-2	59	3	.00	72	54	63	9.99	999	0
10/31	76	7	49	7	63	7	.00	74	59	67	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 75.3 Mean Minimum= 48.8 Average= 62.0
 DFN= +.7 DFN= +1.5 DFN= +1.1
 Highest= 87 Lowest= 35

PRECIPITATION STATISTICS:

Total= 1.74 DFN= -.83 Greatest Daily= 1.08 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG NET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
10/ 1	81	-4	46	-11	64	-7	.00	88	64	76	9.99	999	0
10/ 2	83	-1	47	-10	65	-6	.00	89	64	77	9.99	999	0
10/ 3	87	3	49	-7	68	-2	.00	92	65	79	9.99	999	0
10/ 4	88	4	54	-2	71	1	.00	91	68	80	9.99	999	0
10/ 5	89	6	71	16	80	11	.00	93	76	85	9.99	999	0
10/ 6	87	4	51	-3	69	0	.00	91	69	80	9.99	999	0
10/ 7	82	-1	48	-6	65	-4	.00	89	66	73	9.99	999	0
10/ 8	83	1	48	-5	66	-2	.00	86	66	76	9.99	999	0
10/ 9	82	0	60	7	71	3	.00	86	69	78	9.99	999	0
10/10	79	-3	61	9	70	3	.00	81	70	76	9.99	999	0
10/11	73	-9	61	9	67	0	.29	74	68	71	9.99	999	0
10/12	72	-9	60	9	66	0	.01	73	68	71	9.99	999	0
10/13	83	2	57	6	70	4	1.98	81	69	75	9.99	999	0
10/14	70	-11	43	-8	57	-9	.00	76	59	68	9.99	999	0
10/15	70	-10	42	-8	56	-9	.00	75	59	67	9.99	999	0
10/16	79	-1	43	-7	61	-4	.00	77	59	68	9.99	999	0
10/17	85	5	57	8	71	6	.00	83	64	74	9.99	999	0
10/18	84	5	58	9	71	7	.00	82	65	74	9.99	999	0
10/19	86	7	57	9	72	8	.00	87	67	77	9.99	999	0
10/20	86	7	56	8	71	7	.00	87	66	77	9.99	999	0
10/21	87	9	57	9	72	9	.00	87	66	77	9.99	999	0
10/22	79	1	64	17	72	9	.00	79	70	75	9.99	999	0
10/23	77	-1	58	11	68	5	.08	78	68	73	9.99	999	0
10/24	72	-5	56	9	64	2	.00	81	66	74	9.99	999	0
10/25	70	-7	46	0	58	-4	.00	77	59	68	9.99	999	0
10/26	65	-12	46	0	56	-6	.00	69	57	63	9.99	999	0
10/27	68	-8	33	-13	51	-10	.00	77	54	66	9.99	999	0
10/28	72	-4	33	-12	53	-8	.00	77	54	66	9.99	999	0
10/29	79	3	33	-12	56	-5	.00	79	54	67	9.99	999	0
10/30	79	4	38	-7	59	-1	.00	79	56	68	9.99	999	0
10/31	84	9	41	-4	63	3	.00	81	58	70	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 79.4 Mean Minimum= 50.8 Average= 65.1
 DFN= -.5 DFN= +.7 DFN= +.1
 Highest= 89 Lowest= 33

PRECIPITATION STATISTICS:

Total= 2.36 DFN= -.56 Greatest Daily= 1.98 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1963

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
10/ 1	80	-3	50	-8	65	-6	.00	81	67	74	9.99	999	0
10/ 2	82	-1	52	-6	67	-4	.00	81	66	74	9.99	999	0
10/ 3	85	3	53	-4	69	-1	.00	83	67	75	9.99	999	0
10/ 4	88	6	58	1	73	3	.00	82	68	75	9.99	999	0
10/ 5	89	7	70	14	80	11	.00	84	74	79	9.99	999	0
10/ 6	85	4	50	-6	68	-1	.00	83	69	76	9.99	999	0
10/ 7	82	1	54	-1	68	0	.00	82	69	76	9.99	999	0
10/ 8	85	4	55	0	70	2	.00	80	68	74	9.99	999	0
10/ 9	78	-2	57	2	68	0	.00	81	68	75	9.99	999	0
10/10	80	0	59	5	70	3	.00	82	69	76	9.99	999	0
10/11	72	-7	61	7	67	0	.18	74	70	72	9.99	999	0
10/12	70	-9	61	8	66	0	.01	74	70	72	9.99	999	0
10/13	78	-1	53	0	66	0	.58	77	68	73	9.99	999	0
10/14	67	-11	45	-7	56	-9	.00	76	63	70	9.99	999	0
10/15	67	-11	46	-6	57	-8	.00	70	61	66	9.99	999	0
10/16	77	-1	60	8	69	4	.00	75	62	69	9.99	999	0
10/17	83	6	58	7	71	7	.00	77	67	72	9.99	999	0
10/18	83	6	58	7	71	7	.00	79	66	73	9.99	999	0
10/19	83	6	61	11	72	8	.00	78	66	72	9.99	999	0
10/20	85	9	61	11	73	10	.00	82	68	75	9.99	999	0
10/21	85	9	61	11	73	10	.00	82	68	75	9.99	999	0
10/22	78	2	62	13	70	7	.00	75	70	73	9.99	999	0
10/23	80	5	58	9	69	7	.82	76	69	73	9.99	999	0
10/24	66	-9	57	8	62	0	.01	72	67	70	9.99	999	0
10/25	67	-8	55	7	61	-1	.00	70	65	68	9.99	999	0
10/26	65	-9	47	-1	56	-5	.00	68	61	65	9.99	999	0
10/27	67	-7	42	-5	55	-6	.00	72	58	65	9.99	999	0
10/28	71	-2	41	-6	56	-4	.00	70	58	64	9.99	999	0
10/29	76	3	42	-5	59	-1	.00	72	58	65	9.99	999	0
10/30	76	3	44	-3	60	0	.00	70	60	65	9.99	999	0
10/31	80	8	47	1	64	5	.00	73	59	66	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 77.7 Mean Minimum= 54.1 Average= 65.9
 DFN= +.0 DFN= +2.3 DFN= +1.2
 Highest= 89 Lowest= 41

PRECIPITATION STATISTICS:

Total= 1.60 DFN= -1.43 Greatest Daily= .82 Rain Days= 5

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9990.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG		SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN	EVAP	WET	
10/ 1	82	-2	58	-5	70	-4	.00	88	72	80	.15	999	0
10/ 2	81	-3	58	-5	70	-4	.00	87	71	79	.15	999	0
10/ 3	84	1	59	-3	72	-1	.00	90	72	81	.17	999	0
10/ 4	85	2	64	2	75	2	88.88	85	74	80	.09	999	0
10/ 5	86	3	70	9	78	6	.00	91	76	84	.18	999	0
10/ 6	87	4	59	-2	73	1	.00	92	75	84	.22	999	0
10/ 7	82	0	59	-1	71	0	.00	88	74	81	.23	999	0
10/ 8	84	2	60	0	72	1	.00	87	72	80	.15	999	0
10/ 9	82	0	63	3	73	2	.00	84	72	78	.14	999	0
10/10	80	-2	63	4	72	1	.00	82	74	78	.10	999	0
10/11	76	-5	67	8	72	2	.61	78	73	76	.06	999	0
10/12	74	-7	66	8	70	0	.54	77	73	75	.13	999	0
10/13	80	-1	58	0	69	-1	.94	79	71	75	.12	999	0
10/14	70	-10	51	-7	61	-8	.00	75	64	70	.21	999	0
10/15	68	-12	51	-6	60	-9	.00	69	63	66	.10	999	0
10/16	84	4	59	2	72	3	.00	76	63	70	.09	999	0
10/17	86	7	64	7	75	7	.00	80	68	74	.16	999	0
10/18	84	5	63	7	74	6	.00	81	69	75	.12	999	0
10/19	83	4	64	8	74	6	.00	83	69	76	.10	999	0
10/20	87	9	64	8	76	9	.00	88	71	80	.05	999	0
10/21	85	7	64	9	75	8	.00	87	71	79	.22	999	0
10/22	82	4	67	12	75	8	.00	85	74	80	.09	999	0
10/23	80	2	58	3	69	2	3.44	82	71	77	9.99	999	0
10/24	68	-9	57	3	63	-3	.00	75	67	71	.20	999	0
10/25	70	-7	53	-1	62	-4	.00	72	62	67	.13	999	0
10/26	63	-14	50	-4	57	-9	.00	65	60	63	.07	999	0
10/27	67	-9	46	-7	57	-8	.00	68	57	63	.14	999	0
10/28	73	-3	46	-7	60	-5	.00	70	57	64	.12	999	0
10/29	77	2	49	-4	63	-1	.00	74	57	66	.11	999	0
10/30	76	1	51	-1	64	0	.00	75	60	68	.10	999	0
10/31	80	5	53	1	67	3	.00	77	61	69	.12	999	0

AIR TEMPERATURES:

Mean Maximum= 78.9 Mean Minimum= 58.5 Average= 68.7
 DFN= -.7 DFN= +1.3 DFN= +.3
 Highest= 87 Lowest= 46

PRECIPITATION STATISTICS:

Total= 5.53 DFN= +2.55 Greatest Daily= 3.44 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= .13 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
10/ 1	78	-5	51	-9	65	-7	.00	82	67	75	.13	0	0
10/ 2	81	-2	52	-8	67	-5	.00	84	67	76	.13	4	0
10/ 3	86	3	59	0	73	2	.00	85	68	77	.10	6	0
10/ 4	89	7	64	5	77	6	.00	93	71	83	.11	8	0
10/ 5	89	7	58	-1	74	3	.00	89	75	82	.14	0	0
10/ 6	90	8	56	-2	73	3	.00	88	74	81	.20	0	0
10/ 7	82	0	58	0	70	0	.00	80	72	76	.24	0	0
10/ 8	84	3	58	1	71	2	.00	85	73	79	.14	0	0
10/ 9	82	1	60	3	71	2	.00	84	73	79	.11	0	0
10/10	81	0	62	6	72	3	.00	84	74	79	.04	0	0
10/11	77	-3	62	6	70	2	.00	79	73	76	.02	6	0
10/12	69	-11	62	7	66	-2	.09	73	73	74	.01	19	0
10/13	85	5	65	10	75	7	3.14	60	73	77	9.99	12	0
10/14	69	-10	48	-7	59	-8	.00	78	62	70	.14	2	0
10/15	68	-11	45	-9	57	-10	.00	70	61	66	.07	0	0
10/16	79	0	59	5	69	2	.00	76	66	71	.05	0	0
10/17	83	5	58	5	71	5	.00	89	68	79	.13	2	0
10/18	78	0	59	6	69	3	.16	75	68	72	.08	14	0
10/19	82	4	53	0	68	2	.00	78	69	74	.08	0	0
10/20	83	6	56	4	70	5	.00	77	68	73	.11	0	0
10/21	82	5	60	8	71	6	.00	77	66	72	.08	0	0
10/22	78	1	60	9	69	5	.00	78	71	75	.07	0	0
10/23	76	0	57	6	67	3	.09	76	69	73	.08	8	0
10/24	76	0	50	-1	63	-1	.00	75	63	70	.10	0	0
10/25	71	-5	48	-2	60	-3	.00	70	61	66	.07	0	0
10/26	70	-5	46	-4	58	-5	.00	69	59	64	.11	0	0
10/27	70	-5	40	-10	55	-8	.00	63	57	63	.12	0	0
10/28	71	-4	37	-12	54	-8	.00	67	57	62	.16	0	0
10/29	76	2	41	-8	59	-3	.00	69	56	63	.10	0	0
10/30	78	4	48	-1	63	1	.00	70	58	64	.10	0	0
10/31	81	7	54	5	68	6	.00	72	60	66	.07	0	0

AIR TEMPERATURES:

Mean Maximum= 78.8 Mean Minimum= 54.4 Average= 66.6
 DFN= +.2 DFN= +.4 DFN= +.3
 Highest= 90 Lowest= 37

PRECIPITATION STATISTICS:

Total= 3.48 DFN= +1.15 Greatest Daily= 3.14 Rain Days= 4

AVERAGE DAILY VALUES:

Pan Evaporation= .10 Hours of Wet Vegetation= 2.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION ALABAMA 1988

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY		
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN			MEAN	EVAP
10/ 1	80	-2	47	-11	64	-6	.00	78	68	73	9.99	999	0
10/ 2	83	1	46	-11	65	-5	.00	78	67	73	9.99	999	0
10/ 3	83	1	50	-7	67	-3	.00	78	67	73	9.99	999	0
10/ 4	88	7	50	-6	69	0	.00	80	69	75	9.99	999	0
10/ 5	88	7	66	11	77	9	.18	81	74	78	9.99	999	0
10/ 6	84	3	52	-3	68	0	.00	78	69	74	9.99	999	0
10/ 7	80	0	51	-3	66	-1	.00	77	68	73	9.99	999	0
10/ 8	82	2	50	-4	66	-1	.00	77	68	73	9.99	999	0
10/ 9	72	-8	55	2	64	-3	.00	73	68	71	9.99	999	0
10/10	81	2	55	2	68	2	.00	76	68	72	9.99	999	0
10/11	72	-7	57	4	65	-1	.10	71	69	70	9.99	999	0
10/12	69	-10	57	5	63	-3	.01	70	69	70	9.99	999	0
10/13	78	0	48	-4	63	-2	1.05	73	67	70	9.99	999	0
10/14	65	-13	39	-12	52	-13	.00	71	62	67	9.99	999	0
10/15	68	-9	38	-13	53	-11	.00	67	60	64	9.99	999	0
10/16	77	0	39	-11	58	-6	.00	70	59	65	9.99	999	0
10/17	81	4	53	3	67	3	.00	73	65	69	9.99	999	0
10/18	82	6	53	3	68	5	.00	75	67	71	9.99	999	0
10/19	82	6	55	6	69	6	.00	75	68	72	9.99	999	0
10/20	83	7	56	7	70	7	.00	77	68	73	9.99	999	0
10/21	82	7	56	8	69	7	.00	76	69	73	9.99	999	0
10/22	73	-2	58	10	66	4	88.88	72	68	70	9.99	999	0
10/23	70	-5	52	4	61	-1	.72	69	67	68	9.99	999	0
10/24	62	-12	52	5	57	-4	.00	67	65	66	9.99	999	0
10/25	66	-8	49	2	58	-3	.00	67	64	66	9.99	999	0
10/26	64	-10	41	-6	53	-8	.00	65	60	63	9.99	999	0
10/27	66	-7	36	-10	51	-9	.00	66	58	62	9.99	999	0
10/28	70	-3	34	-12	52	-8	.00	66	57	62	9.99	999	0
10/29	76	4	34	-12	55	-4	.00	67	55	61	9.99	999	0
10/30	77	5	36	-9	57	-2	.00	67	58	63	9.99	999	0
10/31	79	7	41	-4	60	1	.00	69	60	65	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 76.2 Mean Minimum= 48.6 Average= 62.4
 DFN= -.9 DFN= -2.1 DFN= -1.5
 Highest= 88 Lowest= 34

PRECIPITATION STATISTICS:

Total= 2.06 DFN= -.61 Greatest Daily= 1.05 Rain Days= 5

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN ALABAMA 1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
10/ 1	78	0	47	-7	63	-3	.00	76	62	69	9.99	999	0
10/ 2	81	3	49	-5	65	-1	.00	78	62	70	9.99	999	0
10/ 3	83	6	51	-2	67	2	.00	79	64	72	9.99	999	0
10/ 4	82	5	54	1	68	3	.00	79	64	72	9.99	999	0
10/ 5	74	-3	66	14	70	5	.34	74	68	71	9.99	999	0
10/ 6	77	1	51	-1	64	0	.00	76	64	70	9.99	999	0
10/ 7	77	1	51	0	64	0	.00	74	62	68	9.99	999	0
10/ 8	77	2	51	0	64	1	.00	74	62	68	9.99	999	0
10/ 9	77	2	50	-1	64	1	.00	75	62	69	9.99	999	0
10/10	79	4	50	0	65	2	.00	77	63	70	9.99	999	0
10/11	69	-5	55	5	62	0	.85	70	63	67	9.99	999	0
10/12	62	-12	55	6	59	-3	.19	65	63	64	9.99	999	0
10/13	71	-3	49	0	60	-2	.98	70	63	67	9.99	999	0
10/14	58	-15	36	-12	47	-14	.00	65	55	60	9.99	999	0
10/15	66	-7	36	-12	51	-10	.00	67	55	61	9.99	999	0
10/16	71	-2	42	-6	57	-4	.00	68	55	62	9.99	999	0
10/17	77	5	52	5	65	5	.00	71	59	65	9.99	999	0
10/18	79	7	53	6	66	6	.00	73	60	67	9.99	999	0
10/19	75	4	57	11	66	7	.00	70	63	67	9.99	999	0
10/20	78	7	58	12	68	9	.00	73	63	68	9.99	999	0
10/21	79	8	57	11	68	9	.00	73	63	68	9.99	999	0
10/22	69	-1	52	7	61	3	.00	68	62	65	9.99	999	0
10/23	55	-15	52	7	54	-4	.97	63	61	62	9.99	999	0
10/24	60	-10	51	6	56	-2	.00	62	60	61	9.99	999	0
10/25	60	-9	51	7	56	-1	88.88	62	60	61	9.99	999	0
10/26	59	-10	38	-6	49	-8	.00	61	54	58	9.99	999	0
10/27	62	-6	37	-7	50	-6	.00	63	52	58	9.99	999	0
10/28	65	-3	35	-9	50	-6	.00	64	51	58	9.99	999	0
10/29	73	5	37	-6	55	-1	.00	67	51	59	9.99	999	0
10/30	76	9	40	-3	58	3	.00	65	53	59	9.99	999	0
10/31	72	5	45	2	59	4	.00	66	55	61	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 71.6 Mean Minimum= 48.6 Average= 60.1
 DFN= -.9 DFN= +.7 DFN= -.1
 Highest= 83 Lowest= 35

PRECIPITATION STATISTICS:

Total= 3.33 DFN= +.53 Greatest Daily= .98 Rain Days= 5

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1933

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
10/ 1	77	-4	49	-6	63	-5	.00	80	61	71	.16	999	0
10/ 2	81	0	52	-3	67	-1	.00	81	62	72	.17	999	0
10/ 3	82	1	55	1	69	1	.00	82	66	74	.17	999	0
10/ 4	85	5	55	1	70	3	.00	87	67	77	.19	999	0
10/ 5	83	3	67	14	75	8	.18	83	73	78	.04	999	0
10/ 6	82	2	57	4	70	3	.00	80	67	74	.16	999	0
10/ 7	79	0	55	3	67	1	.00	83	65	74	.22	999	0
10/ 8	80	1	55	3	68	2	.00	84	66	75	.14	999	0
10/ 9	70	-9	56	5	63	-2	.00	72	66	69	.12	999	0
10/10	80	2	56	5	68	3	.00	82	65	74	.12	999	0
10/11	69	-9	58	8	64	0	.02	73	67	70	.11	999	0
10/12	65	-13	58	8	62	-2	.35	68	65	67	.02	999	0
10/13	74	-3	52	3	63	0	.48	75	65	70	.08	999	0
10/14	64	-13	42	-7	53	-10	.02	75	60	68	.12	999	0
10/15	76	0	42	-6	59	-3	.00	75	57	66	.23	999	0
10/16	80	4	47	-1	64	2	.00	79	56	68	.10	999	0
10/17	80	4	56	8	68	6	.00	79	65	72	.19	999	0
10/18	80	5	57	10	69	8	.00	80	64	72	.07	999	0
10/19	80	5	57	10	69	8	.00	79	65	72	.08	999	0
10/20	80	5	57	11	69	8	.00	80	67	74	.16	999	0
10/21	81	7	57	11	69	9	.00	81	66	74	.07	999	0
10/22	73	-1	58	12	66	6	.00	74	68	71	.13	999	0
10/23	66	-8	55	10	61	1	.87	70	66	68	.01	999	0
10/24	62	-11	54	9	58	-1	.00	69	65	67	.06	999	0
10/25	64	-9	50	6	57	-2	.00	69	61	65	.05	999	0
10/26	65	-8	44	0	55	-4	.00	67	57	62	.05	999	0
10/27	66	-6	45	1	56	-2	.00	70	56	63	.15	999	0
10/28	70	-2	39	-4	55	-3	.00	70	55	63	.09	999	0
10/29	74	3	39	-4	57	0	.00	71	55	63	.24	999	0
10/30	78	7	50	7	64	7	.00	73	56	65	.11	999	0
10/31	77	6	49	7	63	6	.00	75	60	68	.02	999	0

AIR TEMPERATURES:

Mean Maximum= 74.9 Mean Minimum= 52.4 Average= 63.6
 DFN= -1.2 DFN= +4.1 DFN= +1.5
 Highest= 85 Lowest= 39

PRECIPITATION STATISTICS:

Total= 1.92 DFN= -.87 Greatest Daily= .87 Rain Days= 6

AVERAGE DAILY VALUES:

Pan Evaporation= .12 Hours of Wet Vegetation= 999.7 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	VEG WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
10/ 1	80	-3	43	-10	62	-6	.00	80	67	74	.18	999	5330
10/ 2	82	0	45	-8	64	-4	.00	80	67	74	.14	999	5482
10/ 3	84	2	45	-7	65	-2	.00	80	68	74	.15	999	5436
10/ 4	84	2	54	2	69	2	.00	80	70	75	.16	999	5425
10/ 5	82	1	66	15	74	8	.00	78	74	76	.09	999	2966
10/ 6	80	-1	45	-5	63	-3	.00	82	69	76	.19	999	4926
10/ 7	80	-1	45	-5	63	-3	.00	79	68	74	.21	999	5185
10/ 8	80	0	45	-4	63	-2	.00	79	68	74	.12	999	4332
10/ 9	80	0	49	0	65	0	.00	77	69	73	.13	999	4324
10/10	80	0	50	2	65	1	.00	79	69	74	.21	999	4950
10/11	75	-4	52	4	64	0	.31	74	68	71	.13	999	2808
10/12	69	-10	55	7	62	-2	88.88	69	68	69	.03	999	1409
10/13	71	-8	42	-5	57	-6	1.33	71	64	68	9.09	999	1107
10/14	63	-15	32	-15	48	-15	.00	71	57	64	.12	999	4700
10/15	71	-7	35	-11	53	-9	.00	70	57	64	.11	999	5224
10/16	75	-2	49	3	62	0	.00	71	63	67	.11	999	5205
10/17	80	3	54	9	67	6	.00	74	66	70	.11	999	3948
10/18	80	3	58	13	69	8	.00	74	69	72	.12	999	3644
10/19	79	3	55	10	67	6	.02	74	66	70	.07	999	2506
10/20	80	4	55	11	68	8	.00	75	67	71	.08	999	3529
10/21	82	6	58	14	70	10	.00	77	68	73	.09	999	4324
10/22	72	-3	58	14	65	5	.03	70	69	70	.14	999	947
10/23	63	-12	48	5	56	-3	.55	70	64	67	.04	999	366
10/24	59	-15	52	9	56	-3	88.88	65	64	65	.03	999	1053
10/25	65	-9	51	8	58	-1	.00	66	63	65	.07	999	1759
10/26	61	-12	38	-4	50	-8	.00	64	58	61	.04	999	1066
10/27	68	-5	32	-10	50	-8	.00	67	55	61	.09	999	4704
10/28	72	-1	33	-9	53	-5	.00	67	55	61	.11	999	4684
10/29	75	3	34	-8	55	-2	.00	70	55	63	.09	999	4561
10/30	79	7	34	-7	57	0	.00	68	56	62	.11	999	4101
10/31	79	8	43	2	61	5	.00	72	60	66	.11	999	4186

AIR TEMPERATURES:

Mean Maximum= 75.2 Mean Minimum= 46.9 Average= 61.0
 DFN= -2.1 DFN= +.6 DFN= -.7
 Highest= 84 Lowest= 32

PRECIPITATION STATISTICS:

Total= 2.24 DFN= -.51 Greatest Daily= 1.33 Rain Days= 5

AVERAGE DAILY VALUES:

Pan Evaporation= .11 Hours of Wet Vegetation= 999.9 Solar Energy= 3695.4

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1999

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VED SOLAR		
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN	EVAP	WET	ENERGY
11/ 1	69	1	50	8	60	5	.00	68	59	64	9.99	999	0
11/ 2	76	8	53	12	65	10	.00	72	59	66	9.99	999	0
11/ 3	78	11	54	13	66	12	88.88	74	61	68	9.99	999	0
11/ 4	79	12	57	16	68	14	.57	75	60	69	9.99	999	0
11/ 5	62	-5	31	-10	47	-7	.00	65	48	57	9.99	999	0
11/ 6	60	-6	29	-11	45	-8	.00	62	46	54	9.99	999	0
11/ 7	61	-5	31	-9	46	-7	.00	61	46	54	9.99	999	0
11/ 8	62	-4	41	1	52	-1	.00	61	51	56	9.99	999	0
11/ 9	71	6	41	1	56	3	.00	67	51	59	9.99	999	0
11/10	74	9	42	3	58	6	.04	68	53	61	9.99	999	0
11/11	47	-17	40	1	44	-8	88.88	59	51	55	9.99	999	0
11/12	47	-17	28	-11	38	-14	88.88	51	44	48	9.99	999	0
11/13	51	-13	32	-7	42	-10	.00	57	44	51	9.99	999	0
11/14	56	-7	32	-6	44	-7	.00	59	41	53	9.99	999	0
11/15	57	-6	36	-2	47	-4	1.10	54	41	50	9.99	999	0
11/16	58	-5	41	3	50	-1	.00	59	49	54	9.99	999	0
11/17	47	-15	27	-11	37	-13	88.88	53	41	47	9.99	999	0
11/18	60	-2	27	-11	44	-6	.00	56	41	49	9.99	999	0
11/19	69	8	39	2	54	5	.00	60	44	52	9.99	999	0
11/20	74	13	53	18	65	16	1.19	63	54	59	9.99	999	0
11/21	62	1	34	-3	48	-1	.02	60	46	53	9.99	999	0
11/22	67	7	35	-2	51	2	.00	62	46	54	9.99	999	0
11/23	74	14	43	6	59	10	.13	64	52	56	9.99	999	0
11/24	69	9	44	8	57	9	1.54	62	53	59	9.99	999	0
11/25	49	-10	28	-8	39	-9	.00	56	42	49	9.99	999	0
11/26	57	-2	29	-7	43	-5	.00	56	41	49	9.99	999	0
11/27	63	4	35	-1	49	1	.42	57	42	50	9.99	999	0
11/28	63	5	41	6	52	5	2.16	58	50	54	9.99	999	0
11/29	52	-6	29	-6	41	-6	.00	56	40	48	9.99	999	0
11/30	45	-13	28	-7	37	-10	.00	53	40	47	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 62.0 Mean Minimum= 37.7 Average= 49.3
 DFN= -.8 DFN= -.5 DFN= -.7
 Highest= 79 Lowest= 27

PRECIPITATION STATISTICS:

Total= 7.24 DFN= +3.40 Greatest Daily= 2.16 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1983

DATE	AIR TEMPERATURE				4 INCH SOIL			VEC		SOLAR ENERGY			
	MAX	DFN	MIN	DFN	AVG	DFN	PRECIP	MAX	MIN		MEAN	EVAP	WET
11/ 1	78	3	55	11	67	7	.00	73	62	70	9.99	999	0
11/ 2	82	8	49	5	66	7	.00	82	62	72	9.99	999	0
11/ 3	80	6	44	0	62	3	.00	83	60	72	9.99	999	0
11/ 4	83	10	45	1	64	5	.00	83	59	71	9.99	999	0
11/ 5	76	3	54	10	65	6	.36	74	63	69	9.99	999	0
11/ 6	68	-5	31	-12	50	-8	.00	70	50	62	9.99	999	0
11/ 7	73	1	33	-10	53	-5	.00	70	50	60	9.99	999	0
11/ 8	70	-2	50	7	60	2	.00	71	59	65	9.99	999	0
11/ 9	71	-1	53	10	62	4	.00	69	59	64	9.99	999	0
11/10	75	3	54	12	65	8	.00	75	62	69	9.99	999	0
11/11	62	-9	40	-2	51	-6	.00	72	56	64	9.99	999	0
11/12	50	-21	29	-13	40	-17	.00	60	50	55	9.99	999	0
11/13	61	-10	29	-13	45	-12	.00	68	50	59	9.99	999	0
11/14	58	-12	36	-6	47	-9	.61	58	50	54	9.99	999	0
11/15	80	10	52	11	66	10	.00	69	55	62	9.99	999	0
11/16	69	-1	33	-8	51	-5	.55	64	50	58	9.99	999	0
11/17	60	-9	27	-14	44	-11	.00	63	45	54	9.99	999	0
11/18	66	-3	29	-12	48	-7	.00	64	45	55	9.99	999	0
11/19	72	3	37	-4	55	0	.00	65	47	56	9.99	999	0
11/20	75	6	46	5	61	6	2.21	69	54	61	9.99	999	0
11/21	70	2	34	-6	52	-2	.00	69	50	60	9.99	999	0
11/22	73	5	36	-4	55	1	.00	68	50	59	9.99	999	0
11/23	81	13	48	8	65	11	.00	72	59	63	9.99	999	0
11/24	79	11	54	14	67	10	1.89	67	61	65	9.99	999	0
11/25	57	-11	28	-12	43	-11	.26	63	46	53	9.99	999	0
11/26	58	-9	28	-12	43	-11	.00	62	45	54	9.99	999	0
11/27	66	-1	34	-6	50	-4	.00	60	45	53	9.99	999	0
11/28	71	4	46	7	59	6	.80	63	55	62	9.99	999	0
11/29	61	-6	28	-11	45	-8	.00	62	46	54	9.99	999	0
11/30	57	-9	28	-11	43	-10	.00	60	45	53	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 69.4 Mean Minimum= 39.7 Average= 54.5
 DFN= -1.7 DFN= -1.6 DFN= -1.3
 Highest= 83 Lowest= 27

PRECIPITATION STATISTICS:

Total= 6.68 DFN= +2.63 Greatest Daily= 2.21 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN
ALABAMA

1700

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
11/ 1	72	0	55	9	64	5	.00	71	62	67	9.99	999	0
11/ 2	78	6	53	7	66	7	.00	73	62	68	9.99	999	0
11/ 3	79	8	50	5	65	7	.00	74	62	68	9.99	999	0
11/ 4	80	9	52	7	64	8	.00	73	63	68	9.99	999	0
11/ 5	74	4	43	-2	59	1	.00	71	62	67	9.99	999	0
11/ 6	63	-7	36	-8	50	-7	.00	70	55	63	9.99	999	0
11/ 7	68	-2	37	-7	53	-4	.00	67	55	61	9.99	999	0
11/ 8	72	3	45	1	59	2	.00	70	59	65	9.99	999	0
11/ 9	66	-3	51	7	59	2	.00	66	59	63	9.99	999	0
11/10	73	4	49	6	61	5	.00	70	62	66	9.99	999	0
11/11	58	-10	44	1	51	-5	.00	69	58	64	9.99	999	0
11/12	48	-20	33	-10	41	-15	.00	60	54	57	9.99	999	0
11/13	56	-12	33	-10	45	-11	.00	60	54	57	9.99	999	0
11/14	57	-10	40	-2	49	-6	.10	64	54	59	9.99	999	0
11/15	78	11	56	14	67	12	1.73	72	58	65	9.99	999	0
11/16	68	1	40	-2	54	-1	.04	67	55	61	9.99	999	0
11/17	56	-10	30	-12	43	-11	.00	62	51	57	9.99	999	0
11/18	62	-4	32	-9	47	-7	.00	62	51	57	9.99	999	0
11/19	71	5	39	-2	55	1	.00	64	52	58	9.99	999	0
11/20	74	8	54	13	64	10	1.71	65	57	61	9.99	999	0
11/21	64	-1	38	-3	51	-2	.00	65	54	60	9.99	999	0
11/22	70	5	40	0	55	2	.00	65	55	60	9.99	999	0
11/23	75	10	47	7	61	8	.00	63	54	61	9.99	999	0
11/24	78	13	51	11	65	12	2.55	69	62	66	9.99	999	0
11/25	52	-12	29	-11	41	-11	88.88	63	51	57	9.99	999	0
11/26	56	-8	31	-9	44	-8	.00	62	50	56	9.99	999	0
11/27	62	-2	36	-3	49	-3	.05	58	50	54	9.99	999	0
11/28	74	11	44	5	59	8	2.85	65	57	61	9.99	999	0
11/29	60	-3	31	-8	46	-5	.00	62	49	56	9.99	999	0
11/30	53	-10	30	-9	42	-9	.00	58	48	53	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 66.6 Mean Minimum= 41.6 Average= 54.1
 DFN= -1.5 DFN= -1.5 DFN= -1.5
 Highest= 80 Lowest= 29

PRECIPITATION STATISTICS:

Total= 9.03 DFN= +5.45 Greatest Daily= 2.85 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not recorded.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1730

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
11/ 1	77	3	55	3	66	3	.00	72	62	67	.05	999	0
11/ 2	82	8	59	7	71	8	.00	77	65	71	.13	999	0
11/ 3	80	6	56	5	68	5	.00	78	65	72	.12	999	0
11/ 4	78	5	58	7	68	6	.00	78	65	72	.09	999	0
11/ 5	80	7	60	9	70	3	.07	78	65	73	.11	999	0
11/ 6	70	-3	42	-9	56	-6	.00	73	49	62	.16	999	0
11/ 7	72	0	44	-6	58	-2	.00	70	49	60	.08	999	0
11/ 8	70	-2	52	2	61	0	.00	70	62	66	.09	999	0
11/ 9	69	-3	53	3	61	0	.00	69	62	66	.06	999	0
11/10	74	5	56	6	66	5	.00	75	65	70	.10	999	0
11/11	62	-9	46	-3	54	-6	.00	71	60	66	.17	999	0
11/12	51	-20	36	-13	44	-16	.00	61	55	58	.07	999	0
11/13	57	-14	39	-10	48	-12	88.88	65	55	60	.08	999	0
11/14	69	-1	49	0	59	-1	.00	64	55	60	.04	999	0
11/15	72	2	62	14	67	8	.13	72	60	66	.11	999	0
11/16	68	-2	42	-6	55	-4	.12	70	56	63	.08	999	0
11/17	61	-8	36	-12	49	-10	.00	62	51	57	.12	999	0
11/18	63	-6	39	-9	51	-8	.00	61	52	57	.08	999	0
11/19	71	2	46	-2	59	0	.00	63	52	58	.06	999	0
11/20	75	6	53	6	64	6	3.37	68	64	66	3.99	999	0
11/21	66	-2	43	-4	55	-3	.00	63	56	62	.11	999	0
11/22	71	3	45	-2	58	0	.00	65	55	60	.08	999	0
11/23	80	12	62	15	71	13	88.88	69	59	64	.06	999	0
11/24	78	10	55	8	67	9	2.15	70	63	67	.08	999	0
11/25	57	-10	33	-13	45	-12	.06	64	50	57	.04	999	0
11/26	59	-8	39	-7	49	-6	.00	59	50	55	.09	999	0
11/27	73	6	49	3	61	4	.14	63	50	57	.04	999	0
11/28	78	11	48	2	63	6	.80	69	59	64	.12	999	0
11/29	60	-7	37	-9	49	-8	.00	60	51	56	.14	999	0
11/30	56	-10	36	-10	46	-10	.00	57	49	53	.07	999	0

AIR TEMPERATURES:

Mean Maximum= 69.4 Mean Minimum= 47.7 Average= 58.5
 DFN= -1.6 DFN= -1.8 DFN= -1.7
 Highest= 82 Lowest= 33

PRECIPITATION STATISTICS:

Total= 6.84 DFN= +3.35 Greatest Daily= 3.37 Rain Days= 8

AVERAGE DAILY VALUES:

Pan Evaporation= .09 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS --- HEADLAND
ALABAMA

1968

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
11/ 1	73	0	50	2	62	1	.00	74	65	70	.08	3	0
11/ 2	79	6	49	1	64	3	.00	74	63	69	.07	0	0
11/ 3	77	4	49	1	63	2	.00	73	61	67	.10	0	0
11/ 4	79	7	54	7	67	7	.00	71	60	66	.10	0	0
11/ 5	80	8	52	5	66	6	.11	75	64	70	.10	12	0
11/ 6	66	-6	38	-9	52	-8	.01	63	54	61	.14	4	0
11/ 7	69	-2	45	-2	57	-2	.00	63	54	59	.05	0	0
11/ 8	61	-10	51	5	56	-3	.18	64	59	62	.10	24	0
11/ 9	70	-1	57	11	64	5	.01	68	63	67	.07	4	0
11/10	70	0	54	8	62	4	.01	71	65	68	.05	4	0
11/11	68	-2	38	-7	53	-5	.00	67	55	61	.12	0	0
11/12	53	-17	28	-17	41	-17	.00	60	51	56	.07	0	0
11/13	59	-10	34	-11	47	-10	.00	60	51	56	.07	0	0
11/14	60	-9	40	-5	50	-7	.00	62	50	56	.04	0	0
11/15	75	6	52	8	64	7	.04	66	58	62	.02	222	0
11/16	75	7	38	-6	57	1	.24	65	52	59	.04	24	0
11/17	58	-10	29	-15	44	-12	.00	59	48	54	.08	0	0
11/18	60	-8	34	-10	47	-9	.00	55	46	51	.07	0	0
11/19	61	-7	39	-4	50	-6	.00	60	47	54	9.99	0	0
11/20	75	8	38	-5	57	2	1.72	64	48	56	9.99	4	0
11/21	71	4	40	-3	56	1	.00	69	50	61	.07	4	0
11/22	66	-1	40	-3	53	-2	.00	62	51	57	.14	0	0
11/23	72	5	43	0	58	3	.00	61	51	56	.02	0	0
11/24	78	12	53	11	66	12	.88	68	49	59	9.99	10	0
11/25	60	-6	32	-10	46	-8	.83	63	49	59	.06	8	0
11/26	55	-11	33	-9	44	-10	.00	53	47	50	.05	0	0
11/27	62	-4	38	-4	50	-4	.06	59	46	53	.05	0	0
11/28	77	12	52	11	65	12	1.66	68	59	64	9.99	16	0
11/29	62	-3	34	-7	48	-5	.00	64	50	57	.10	0	0
11/30	55	-10	32	-9	44	-9	.00	53	47	51	.07	0	0

AIR TEMPERATURES:

Mean Maximum= 67.5 Mean Minimum= 42.2 Average= 54.9
 DFN= -1.3 DFN= -2.2 DFN= -1.7
 Highest= 80 Lowest= 28

PRECIPITATION STATISTICS:

Total= 5.75 DFN= +2.52 Greatest Daily= 1.72 Rain Days= 12

AVERAGE DAILY VALUES:

Pan Evaporation= .08 Hours of Wet Vegetation= 4.0 Solar Energy= 2997.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit. precipitation and evaporation are in
 inches. vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION 1980
ALABAMA

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
11/ 1	69	-2	50	5	60	2	.00	66	61	64	9.99	999	0
11/ 2	78	7	49	5	64	6	.00	69	61	65	9.99	999	0
11/ 3	77	6	44	0	61	3	.00	70	62	66	9.99	999	0
11/ 4	81	11	44	0	63	6	88.88	70	62	66	9.99	999	0
11/ 5	75	5	34	-10	55	-2	.20	67	61	64	9.99	999	0
11/ 6	63	-7	29	-14	46	-11	.00	65	55	60	9.99	999	0
11/ 7	68	-1	29	-14	49	-7	.00	62	55	59	9.99	999	0
11/ 8	71	2	41	-2	56	0	.00	64	58	61	9.99	999	0
11/ 9	69	0	43	1	56	0	.00	63	58	61	9.99	999	0
11/10	75	7	43	1	59	4	.00	67	60	64	9.99	999	0
11/11	57	-11	39	-3	48	-7	.00	67	56	62	9.99	999	0
11/12	47	-21	27	-15	37	-18	.00	56	52	54	9.99	999	0
11/13	58	-9	27	-14	43	-11	.00	57	52	55	9.99	999	0
11/14	60	-7	36	-5	48	-6	.25	57	52	55	9.99	999	0
11/15	70	3	36	-5	53	-1	1.05	61	55	58	9.99	999	0
11/16	67	1	34	-7	51	-3	.06	60	53	58	9.99	999	0
11/17	55	-11	25	-16	40	-14	.00	56	50	53	9.99	999	0
11/18	63	-3	25	-15	44	-9	.00	56	50	53	9.99	999	0
11/19	72	7	32	-8	52	-1	.00	57	50	54	9.99	999	0
11/20	73	8	47	7	60	7	.00	61	57	59	9.99	999	0
11/21	63	-2	31	-9	47	-6	.00	61	54	58	9.99	999	0
11/22	69	5	41	2	55	3	.00	59	53	56	9.99	999	0
11/23	75	11	43	4	59	7	88.88	61	53	57	9.99	999	0
11/24	78	14	49	10	64	12	2.05	65	54	60	9.99	999	0
11/25	54	-10	25	-14	40	-12	.03	61	50	56	9.99	999	0
11/26	57	-6	25	-14	41	-10	.00	56	49	53	9.99	999	0
11/27	58	-5	29	-9	44	-7	.02	53	49	51	9.99	999	0
11/28	74	11	39	1	57	6	1.08	60	50	57	9.99	999	0
11/29	58	-5	27	-11	43	-8	.00	57	50	54	9.99	999	0
11/30	52	-10	25	-13	39	-11	.00	52	47	50	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 66.2 Mean Minimum= 35.6 Average= 50.9
 DFN= -.4 DFN= -5.4 DFN= -2.9
 Highest= 81 Lowest= 25

PRECIPITATION STATISTICS:

Total= 5.04 DFN= +1.99 Greatest Daily= 2.05 Rain Days= 6

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1780

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG		DFN	MAX	MIN				MEAN
11/ 1	67	1	50	8	59	5	.00	67	51	59	9.99	999	0
11/ 2	73	7	49	7	61	7	.00	67	57	62	9.99	999	0
11/ 3	74	8	50	8	62	8	.00	68	58	63	9.99	999	0
11/ 4	74	11	56	14	66	12	.44	69	62	66	9.99	999	0
11/ 5	63	-2	30	-11	47	-6	.00	63	50	57	9.99	999	0
11/ 6	58	-7	29	-12	44	-9	.00	61	40	55	9.99	999	0
11/ 7	64	0	40	-1	52	-1	.00	60	48	54	9.99	999	0
11/ 8	65	1	44	5	56	3	.00	60	52	56	9.99	999	0
11/ 9	70	7	48	8	59	7	.00	63	52	58	9.99	999	0
11/10	73	10	49	9	61	9	.05	65	54	60	9.99	999	0
11/11	53	-10	38	-2	46	-6	.00	60	51	56	9.99	999	0
11/12	42	-20	27	-13	35	-16	.00	51	44	48	9.99	999	0
11/13	49	-13	30	-9	40	-11	.00	54	44	49	9.99	999	0
11/14	54	-8	35	-4	45	-6	.00	53	44	50	9.99	999	0
11/15	53	-3	39	0	49	-1	.73	53	44	50	9.99	999	0
11/16	59	-2	39	0	49	-1	.00	58	48	53	9.99	999	0
11/17	45	-16	25	-13	35	-15	.00	49	40	46	9.99	999	0
11/18	55	-5	27	-11	41	-8	.00	53	43	48	9.99	999	0
11/19	64	4	47	9	56	7	.00	58	44	50	9.99	999	0
11/20	69	9	51	13	60	11	1.16	68	50	59	9.99	999	0
11/21	60	1	33	-4	47	-1	.08	60	47	54	9.99	999	0
11/22	63	4	35	-2	49	1	.00	58	47	53	9.99	999	0
11/23	73	14	49	12	61	13	.00	59	47	53	9.99	999	0
11/24	70	12	48	11	59	11	1.70	58	55	57	9.99	999	0
11/25	52	-6	26	-11	39	-9	.00	53	44	50	9.99	999	0
11/26	60	2	27	-9	44	-3	.00	54	44	49	9.99	999	0
11/27	59	1	34	-2	47	0	.00	53	43	48	9.99	999	0
11/28	66	9	40	4	53	6	3.52	56	48	52	9.99	999	0
11/29	55	-2	26	-10	41	-6	.00	55	43	49	9.99	999	0
11/30	47	-10	24	-11	36	-10	.00	52	41	47	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 61.2 Mean Minimum= 38.2 Average= 49.7
 DFN= -.1 DFN= -.6 DFN= -.3
 Highest= 76 Lowest= 24

PRECIPITATION STATISTICS:

Total= 7.70 DFN= +3.62 Greatest Daily= 3.52 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSBY
ALABAMA

1733

DATE	AIR TEMPERATURE					PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY		
	MAX	DFN	MIN	DFN	AVG		MAX	MIN	MEAN			EVAP	
11/ 1	68	-2	52	10	60	4	.00	67	60	65	.05	999	0
11/ 2	76	6	50	8	63	7	.00	73	61	68	0.99	999	0
11/ 3	76	6	49	7	63	7	.00	73	60	68	0.99	999	0
11/ 4	79	10	57	16	68	13	.00	71	60	68	0.99	999	0
11/ 5	68	-1	51	10	60	5	.14	70	55	63	0.99	999	0
11/ 6	64	-5	35	-6	50	-5	.00	63	52	60	0.99	999	0
11/ 7	69	1	38	-3	54	-1	.00	67	54	62	0.99	999	0
11/ 8	70	2	47	7	59	5	.00	67	60	65	0.99	999	0
11/ 9	72	5	49	9	61	7	.00	69	57	63	0.99	999	0
11/10	76	9	47	7	62	8	.00	73	60	68	0.99	999	0
11/11	57	-10	41	2	49	-4	.00	63	58	60	0.99	999	0
11/12	45	-21	30	-9	38	-15	.00	57	50	54	0.99	999	0
11/13	58	-8	30	-9	44	-9	.00	65	50	59	0.99	999	0
11/14	60	-6	40	1	50	-3	.14	62	55	59	0.99	999	0
11/15	67	2	47	8	57	5	.90	61	54	58	0.99	999	0
11/16	66	1	36	-2	51	-1	.01	66	51	59	0.99	999	0
11/17	54	-11	28	-10	41	-11	.00	60	47	54	0.99	999	0
11/18	62	-3	29	-9	46	-6	.00	61	47	54	0.99	999	0
11/19	67	3	35	-3	51	0	.00	62	48	55	0.99	999	0
11/20	69	5	48	11	59	8	1.59	65	55	60	0.99	999	0
11/21	62	-2	35	-2	49	-2	.00	64	50	57	0.99	999	0
11/22	68	5	35	-2	52	2	.00	65	51	58	0.99	999	0
11/23	76	13	41	4	59	9	.02	67	51	59	0.99	999	0
11/24	73	10	50	14	62	12	2.27	66	60	63	0.99	999	0
11/25	53	-9	29	-7	41	-8	.00	60	47	54	0.99	999	0
11/26	57	-5	28	-8	43	-6	.00	60	46	53	0.99	999	0
11/27	60	-2	50	14	55	6	.89	58	49	54	0.99	999	0
11/28	71	10	42	6	57	8	1.58	63	53	59	0.99	999	0
11/29	56	-5	27	-8	42	-6	.00	59	45	52	0.99	999	0
11/30	52	-9	27	-8	40	-8	.00	57	43	51	0.99	999	0

AIR TEMPERATURES:

Mean Maximum= 65.0 Mean Minimum= 40.1 Average= 52.6
 DFN= -.4 DFN= +1.6 DFN= +1.0
 Highest= 79 Lowest= 27

PRECIPITATION STATISTICS:

Total= 7.54 DFN= +4.09 Greatest Daily= 2.27 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= .05 Hours of Wet Vegetation= 999.9 Solar Energy= 9990.0

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD
ALABAMA

1983

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
11/ 1	75	4	48	7	62	6	.00	70	62	66	.11	999	3398
11/ 2	76	6	50	9	63	7	.00	70	62	66	.07	999	2871
11/ 3	77	7	46	6	62	7	.00	72	62	67	.12	999	3912
11/ 4	79	9	55	15	67	12	.06	71	65	68	.10	999	3306
11/ 5	64	-5	27	-13	46	-9	.00	66	54	60	.04	999	792
11/ 6	62	-7	26	-14	44	-11	.00	64	52	58	.06	999	4461
11/ 7	68	0	26	-14	47	-7	.06	64	52	58	.08	999	3653
11/ 8	67	-1	40	1	54	0	88.88	62	58	60	.04	999	1901
11/ 9	74	7	40	1	57	4	.00	67	58	63	.10	999	3920
11/10	74	7	36	-3	55	2	.00	63	59	61	9.99	999	3282
11/11	51	-16	38	-1	45	-8	.00	60	55	58	9.99	999	1766
11/12	45	-21	23	-16	34	-19	.00	55	50	53	9.99	999	647
11/13	56	-10	23	-15	40	-12	.00	59	50	55	9.99	999	3971
11/14	62	-3	30	-8	46	-6	.04	60	52	56	9.99	999	2709
11/15	68	3	42	4	55	3	.94	60	55	58	9.99	999	566
11/16	63	-2	33	-5	48	-4	.00	64	52	58	9.99	999	3224
11/17	55	-9	23	-15	39	-12	.00	58	47	53	9.99	999	3418
11/18	64	0	23	-14	44	-7	.00	56	47	52	9.99	999	3646
11/19	71	7	55	18	63	12	.00	60	58	59	9.99	999	3325
11/20	73	10	51	14	62	12	1.51	60	60	60	9.99	999	1684
11/21	60	-3	28	-9	44	-6	.00	61	49	55	9.99	999	2073
11/22	68	5	37	0	53	3	88.88	60	51	56	9.99	999	3807
11/23	74	12	44	8	59	10	.41	62	61	62	9.99	999	2226
11/24	73	11	39	3	56	7	1.27	64	57	61	9.99	999	243
11/25	52	-10	22	-14	37	-12	.00	57	47	52	9.99	999	2169
11/26	59	-2	26	-10	43	-6	.00	56	46	51	9.99	999	3706
11/27	64	3	47	11	56	7	.70	57	55	56	9.99	999	3352
11/28	67	6	33	-2	50	2	1.30	58	51	55	9.99	999	263
11/29	52	-8	22	-13	37	-11	.00	54	44	49	9.99	999	3365
11/30	50	-10	22	-13	36	-12	.00	52	43	48	9.99	999	3663

AIR TEMPERATURES:

Mean Maximum= 64.8 Mean Minimum= 35.2 Average= 50.0
 DFN= -3 DFN= -2.7 DFN= -1.3
 Highest= 79 Lowest= 22

PRECIPITATION STATISTICS:

Total= 6.29 DFN= +2.03 Greatest Daily= 1.51 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= .08 Hours of Wet Vegetation= 999.9 Solar Energy= 2710.6

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BELLE MINA
ALABAMA

1999

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
12/ 1	50	-8	29	-6	40	-7	.00	42	40	45	9.99	999	0
12/ 2	56	-1	33	-2	45	-1	.00	50	44	50	9.99	999	0
12/ 3	62	5	40	5	51	5	2.40	53	41	49	9.99	999	0
12/ 4	64	7	50	16	57	11	1.66	53	53	56	9.99	999	0
12/ 5	53	-3	40	6	47	2	88.88	55	47	51	9.99	999	0
12/ 6	70	14	41	7	56	11	.51	62	47	55	9.99	999	0
12/ 7	56	0	26	-8	41	-4	.00	56	39	49	9.99	999	0
12/ 8	45	-11	26	-8	36	-9	.00	51	39	45	9.99	999	0
12/ 9	53	-2	31	-3	42	-3	.00	53	30	46	9.99	999	0
12/10	62	7	36	3	49	5	.01	53	41	47	9.99	999	0
12/11	66	11	50	17	58	14	1.25	53	50	54	9.99	999	0
12/12	65	11	41	8	53	9	.45	53	51	55	9.99	999	0
12/13	42	-12	40	7	41	-3	.01	51	47	49	9.99	999	0
12/14	45	-9	44	11	45	1	.28	40	46	47	9.99	999	0
12/15	47	-7	34	1	41	-3	.04	40	40	44	9.99	999	0
12/16	47	-7	26	-6	37	-6	.00	47	37	42	9.99	999	0
12/17	37	-16	25	-7	31	-12	.31	42	37	40	9.99	999	0
12/18	44	-9	28	-4	36	-7	.00	36	37	37	9.99	999	0
12/19	54	1	26	-6	40	-3	.00	50	37	44	9.99	999	0
12/20	32	-21	24	-8	28	-15	.00	38	35	37	9.99	999	0
12/21	42	-11	25	-7	34	-9	.03	39	35	37	9.99	999	0
12/22	50	-2	40	8	45	6	1.45	44	39	42	9.99	999	0
12/23	43	-9	19	-13	31	-11	88.88	44	34	39	9.99	999	0
12/24	27	-25	9	-22	18	-24	.00	34	32	33	9.99	999	0
12/25	12	-40	-2	-33	5	-37	.00	32	24	28	9.99	999	0
12/26	16	-36	-2	-33	7	-35	.00	30	24	27	9.99	999	0
12/27	26	-25	3	-28	15	-26	88.88	30	24	27	9.99	999	0
12/28	42	-9	23	-8	33	-8	2.20	31	30	31	9.99	999	0
12/29	44	-7	19	-12	32	-9	88.88	31	31	31	9.99	999	0
12/30	26	-25	5	-26	16	-25	88.88	32	28	30	9.99	999	0
12/31	24	-27	5	-26	15	-26	.00	31	24	28	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 45.2 Mean Minimum= 26.9 Average= 36.1
 DFN= -9.6 DFN= -5.7 DFN= -7.1
 Highest= 70 Lowest= -2

PRECIPITATION STATISTICS:

Total= 10.60 DFN= +6.11 Greatest Daily= 2.40 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- BREWTON
ALABAMA

1730

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG	SOLAR	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
12/ 1	64	-2	31	-8	48	-5	.00	60	44	52	9.99	999	0
12/ 2	69	3	44	5	57	4	.00	62	51	57	9.99	999	0
12/ 3	74	8	45	6	60	7	.02	63	51	59	9.99	999	0
12/ 4	79	13	54	15	67	14	1.01	71	60	68	9.99	999	0
12/ 5	73	7	45	6	59	6	.00	70	57	64	9.99	999	0
12/ 6	77	12	52	13	65	13	.46	67	57	62	9.99	999	0
12/ 7	65	0	27	-11	46	-6	.00	66	45	56	9.99	999	0
12/ 8	55	-10	25	-13	40	-12	.00	60	44	52	9.99	999	0
12/ 9	63	-2	27	-11	45	-7	.00	61	42	52	9.99	999	0
12/10	63	-2	30	-8	47	-5	.00	62	44	53	9.99	999	0
12/11	72	7	33	-5	53	1	2.82	63	45	54	9.99	999	0
12/12	67	3	49	11	58	7	.73	62	55	59	9.99	999	0
12/13	53	-11	41	3	47	-4	.00	55	50	53	9.99	999	0
12/14	55	-9	40	2	48	-3	.25	56	50	53	9.99	999	0
12/15	59	-5	29	-9	44	-7	.00	59	45	52	9.99	999	0
12/16	62	-2	24	-14	43	-8	.00	58	42	50	9.99	999	0
12/17	60	-4	28	-10	44	-7	.00	57	41	49	9.99	999	0
12/18	62	-2	42	4	52	1	.06	57	47	52	9.99	999	0
12/19	53	-10	45	7	49	-2	.00	53	49	51	9.99	999	0
12/20	52	-11	38	1	45	-5	88.88	53	47	50	9.99	999	0
12/21	57	-6	40	3	49	-1	.00	56	47	52	9.99	999	0
12/22	56	-7	44	7	50	0	.09	57	49	53	9.99	999	0
12/23	55	-8	34	-3	45	-5	.06	55	46	51	9.99	999	0
12/24	40	-23	20	-17	30	-20	.00	48	38	43	9.99	999	0
12/25	30	-33	6	-31	18	-32	.00	44	32	38	9.99	999	0
12/26	25	-38	7	-30	16	-34	.00	32	31	32	9.99	999	0
12/27	36	-27	9	-28	23	-27	88.88	39	31	35	9.99	999	0
12/28	67	4	31	-6	49	-1	2.26	55	37	46	9.99	999	0
12/29	67	5	29	-8	48	-2	.97	59	44	52	9.99	999	0
12/30	37	-25	13	-24	25	-25	88.88	40	34	37	9.99	999	0
12/31	32	-30	10	-27	21	-29	.00	38	33	36	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 57.4 Mean Minimum= 32.0 Average= 44.7
 DFN= -6.6 DFN= -5.8 DFN= -6.2
 Highest= 79 Lowest= 6

PRECIPITATION STATISTICS:

Total= 8.73 DFN= +3.65 Greatest Daily= 2.82 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- CAMDEN,
ALABAMA

1999

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
12/ 1	52	-11	35	-4	44	-7	.00	57	48	53	9.99	999	0
12/ 2	63	0	46	8	55	4	.00	62	54	58	9.99	999	0
12/ 3	75	13	47	9	61	11	.15	64	54	59	9.99	999	0
12/ 4	78	16	55	17	67	17	1.50	64	54	60	9.99	999	0
12/ 5	68	6	45	7	57	7	.00	63	50	61	9.99	999	0
12/ 6	73	11	48	10	61	11	.80	63	55	60	9.99	999	0
12/ 7	60	-1	30	-7	45	-4	.00	67	59	63	9.99	999	0
12/ 8	50	-11	32	-5	41	-8	.00	69	48	54	9.99	999	0
12/ 9	62	1	34	-3	48	-1	.00	59	48	54	9.99	999	0
12/10	65	4	37	0	51	2	.00	60	47	53	9.99	999	0
12/11	72	11	43	6	58	9	.94	61	50	56	9.99	999	0
12/12	65	5	48	11	57	8	.25	60	56	60	9.99	999	0
12/13	50	-10	44	7	47	-2	.00	57	50	54	9.99	999	0
12/14	53	-7	43	7	48	0	.19	58	54	55	9.99	999	0
12/15	55	-5	35	-1	45	-3	.00	56	40	52	9.99	999	0
12/16	59	-1	30	-6	45	-3	.00	58	46	51	9.99	999	0
12/17	54	-5	30	-6	42	-6	.00	55	45	50	9.99	999	0
12/18	57	-2	44	8	51	3	.00	59	49	54	9.99	999	0
12/19	52	-7	44	8	48	0	.00	64	51	50	9.99	999	0
12/20	46	-13	38	2	42	-6	.00	62	49	51	9.99	999	0
12/21	52	-7	44	9	48	1	.00	64	51	53	9.99	999	0
12/22	62	3	44	9	53	6	.26	55	50	50	9.99	999	0
12/23	48	-10	32	-3	40	-7	.00	62	44	48	9.99	999	0
12/24	35	-23	18	-17	27	-20	.00	62	41	47	9.99	999	0
12/25	21	-37	5	-30	13	-34	.00	62	35	44	9.99	999	0
12/26	20	-38	7	-28	14	-33	.00	64	35	45	9.99	999	0
12/27	31	-27	8	-27	20	-27	88.88	64	35	45	9.99	999	0
12/28	58	0	28	-7	48	-4	2.71	46	37	42	9.99	999	0
12/29	64	6	29	-6	47	0	.15	53	44	49	9.99	999	0
12/30	34	-24	13	-22	24	-23	.00	48	37	43	9.99	999	0
12/31	28	-29	13	-22	21	-25	.00	37	35	36	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 53.6 Mean Minimum= 33.8 Average= 48.7
 DFN= -6.2 DFN= -2.5 DFN= -4.0
 Highest= 78 Lowest= 5

PRECIPITATION STATISTICS:

Total= 6.95 DFN= +1.42 Greatest Daily= 2.71 Rain Days= 7

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 2999.7

 Data values that are all '9s' indicate data that is missing or not recorded.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- FAIRHOPE
ALABAMA

1988

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
12/ 1	67	1	42	-3	55	-1	.00	59	48	54	.08	999	0
12/ 2	72	6	51	6	62	6	.00	63	53	58	.07	999	0
12/ 3	78	12	56	11	67	11	.00	65	55	60	.08	999	0
12/ 4	77	11	58	13	68	12	.63	71	63	67	.11	999	0
12/ 5	70	5	53	8	62	7	.00	68	62	65	.09	999	0
12/ 6	77	12	60	16	69	14	.81	69	61	65	.10	999	0
12/ 7	63	-2	34	-10	49	-6	.00	67	50	57	.22	999	0
12/ 8	57	-8	34	-10	46	-9	.00	57	48	53	.05	999	0
12/ 9	61	-4	35	-9	48	-7	.00	58	49	54	.06	999	0
12/10	70	5	43	-1	57	2	.00	60	49	55	.09	999	0
12/11	72	8	53	9	63	9	.51	62	51	57	.07	999	0
12/12	68	4	52	8	60	6	.38	64	57	61	.05	999	0
12/13	53	-11	44	0	49	-5	.00	58	56	57	.08	999	0
12/14	63	-1	43	0	53	-1	.31	59	50	56	.06	999	0
12/15	57	-7	42	-1	50	-4	.00	58	50	54	.09	999	0
12/16	52	-12	37	-6	45	-9	.00	57	47	52	.10	999	0
12/17	63	-1	37	-6	50	-4	.00	55	46	51	.12	999	0
12/18	63	0	47	4	55	2	.00	57	49	53	9.99	999	0
12/19	58	-5	48	5	53	0	.00	57	52	55	.08	999	0
12/20	55	-8	41	-2	48	-5	.31	54	50	52	.07	999	0
12/21	58	-5	41	-2	50	-3	.00	56	50	53	.06	999	0
12/22	69	6	54	11	62	9	.31	58	54	56	.08	999	0
12/23	67	4	37	-5	52	-1	.00	59	50	55	.06	999	0
12/24	42	-21	24	-18	33	-20	.00	30	42	46	9.99	999	0
12/25	31	-32	10	-32	21	-32	.00	42	36	39	9.99	999	0
12/26	25	-37	11	-31	18	-34	.00	35	34	35	9.99	999	0
12/27	41	-21	18	-24	30	-22	.04	33	33	33	9.99	999	0
12/28	67	5	40	-2	54	2	1.69	56	33	45	9.99	999	0
12/29	66	4	30	-12	48	-4	.79	62	49	56	9.99	999	0
12/30	38	-24	16	-26	27	-25	.00	49	38	44	9.99	999	0
12/31	34	-28	16	-26	25	-27	.00	39	35	37	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 59.2 Mean Minimum= 38.9 Average= 49.0
 DFN= -4.6 DFN= -4.4 DFN= -4.5
 Highest= 78 Lowest= 10

PRECIPITATION STATISTICS:

Total= 5.50 DFN= +.42 Greatest Daily= 1.69 Rain Days= 10

AVERAGE DAILY VALUES:

Pan Evaporation= .08 Hours of Wet Vegetation= 999.9 Solar Energy= 2000.0

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- HEADLAND ALABAMA

1998

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			EVAP	WET	SOLAR ENERGY
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
12/ 1	61	-4	37	-4	49	-4	.00	57	48	52	.05	0	0
12/ 2	70	6	42	1	56	3	.00	65	50	58	.06	0	0
12/ 3	73	9	47	7	60	8	.00	68	52	60	.05	3	0
12/ 4	79	15	56	16	68	16	.55	72	64	68	.08	12	0
12/ 5	73	9	49	9	61	9	.01	70	59	65	.07	999	0
12/ 6	73	10	50	10	62	10	1.87	70	58	64	9.99	20	0
12/ 7	69	6	32	-8	51	-1	.00	70	47	59	.19	0	0
12/ 8	52	-11	28	-12	40	-12	.00	54	46	50	.06	0	0
12/ 9	60	-3	35	-4	48	-3	.00	56	45	51	.05	0	0
12/10	62	-1	37	-2	50	-1	.00	56	47	52	.08	0	0
12/11	66	4	43	4	55	4	.00	58	47	53	.06	0	0
12/12	70	8	49	10	60	9	1.83	60	47	54	9.99	24	0
12/13	54	-8	41	2	48	-3	.00	59	53	56	.05	0	0
12/14	56	-6	41	2	49	-2	.06	56	52	54	.02	12	0
12/15	61	-1	36	-3	49	-2	.00	60	49	55	.06	0	0
12/16	57	-4	46	8	52	2	.00	60	32	46	.07	0	0
12/17	58	-3	32	-6	45	-5	.00	58	44	49	.07	0	0
12/18	60	-1	41	3	51	1	.44	57	51	54	.07	12	0
12/19	48	-13	38	0	43	-7	.18	55	50	53	.05	10	0
12/20	54	-7	41	0	48	-2	.00	54	49	52	.02	0	0
12/21	60	-1	40	2	50	0	.00	58	51	55	.09	0	0
12/22	45	-15	39	1	42	-7	.01	52	50	51	.00	16	0
12/23	52	-8	40	2	46	-3	.27	56	48	52	.02	12	0
12/24	44	-16	25	-13	35	-14	.00	52	41	47	9.99	0	0
12/25	31	-29	6	-32	19	-30	.00	40	33	37	9.99	0	0
12/26	24	-36	7	-30	16	-33	.00	33	32	33	9.99	0	0
12/27	32	-28	12	-25	22	-27	.00	35	31	33	9.99	0	0
12/28	61	1	29	-8	45	-4	1.41	50	35	43	9.99	16	0
12/29	68	8	35	-2	52	3	.87	61	50	56	9.99	13	0
12/30	40	-19	17	-20	29	-19	.00	50	36	43	9.99	999	0
12/31	31	-28	10	-27	21	-27	.00	38	36	37	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 56.3 Mean Minimum= 34.9 Average= 45.6
 DFN= -5.4 DFN= -3.7 DFN= -4.5
 Highest= 79 Lowest= 6

PRECIPITATION STATISTICS:

Total= 7.52 DFN= +2.64 Greatest Daily= 1.87 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= .06 Hours of Wet Vegetation= 5.3 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 99.99 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in inches, vegetative wetting is in hours and solar energy is in Watts per square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- MARION JUNCTION ALABAMA 1730

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
12/ 1	56	-6	27	-11	42	-8	.00	51	47	49	9.99	999	0
12/ 2	60	-2	43	5	52	2	.00	55	51	53	9.99	999	0
12/ 3	75	13	43	6	59	9	.02	60	50	57	9.99	999	0
12/ 4	78	17	52	15	65	14	.80	65	60	63	9.99	999	0
12/ 5	66	5	37	0	52	3	.00	62	56	59	9.99	999	0
12/ 6	71	10	38	1	55	6	2.15	61	56	59	9.99	999	0
12/ 7	61	0	26	-11	44	-9	.00	62	50	56	9.99	999	0
12/ 8	51	-9	25	-12	38	-11	.00	52	47	50	9.99	999	0
12/ 9	59	-1	27	-9	43	-5	.00	52	47	50	9.99	999	0
12/10	66	6	31	-5	49	1	.00	53	47	50	9.99	999	0
12/11	68	8	37	1	53	5	.80	55	50	53	9.99	999	0
12/12	65	5	42	6	54	6	.10	58	53	57	9.99	999	0
12/13	47	-12	38	2	43	-8	.00	53	52	54	9.99	999	0
12/14	50	-9	38	2	44	-4	.12	52	51	52	9.99	999	0
12/15	52	-7	30	-6	41	-7	.00	52	47	50	9.99	999	0
12/16	57	-2	24	-12	41	-7	.00	50	45	48	9.99	999	0
12/17	55	-4	24	-11	40	-7	.00	48	45	47	9.99	999	0
12/18	59	1	37	2	48	1	.00	51	47	49	9.99	999	0
12/19	54	-4	36	1	45	-2	88.88	50	47	48	9.99	999	0
12/20	44	-14	33	-2	39	-8	.00	48	47	48	9.99	999	0
12/21	51	-7	34	-1	43	-4	.00	48	47	48	9.99	999	0
12/22	56	-2	38	3	47	0	.38	50	47	49	9.99	999	0
12/23	46	-11	27	-8	37	-9	88.88	48	45	47	9.99	999	0
12/24	35	-22	13	-22	24	-22	.00	45	40	43	9.99	999	0
12/25	22	-35	1	-34	12	-34	.00	40	38	39	9.99	999	0
12/26	22	-35	0	-35	11	-35	.00	38	36	37	9.99	999	0
12/27	29	-28	0	-35	15	-31	88.88	36	34	35	9.99	999	0
12/28	50	-7	23	-12	37	-9	2.60	37	34	36	9.99	999	0
12/29	57	0	25	-10	41	-5	.03	44	35	40	9.99	999	0
12/30	35	-21	7	-28	21	-25	.00	42	40	41	9.99	999	0
12/31	30	-26	7	-27	19	-26	.00	40	36	38	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 52.5 Mean Minimum= 27.8 Average= 40.2
 DFN= -6.4 DFN= -8.0 DFN= 7.2
 Highest= 78 Lowest= 0

PRECIPITATION STATISTICS:

Total= 7.50 DFN= +2.62 Greatest Daily= 2.60 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.0

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit; precipitation and evaporation are in
 inches; vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- SAND MOUNTAIN
ALABAMA

1988

DATE	AIR TEMPERATURE						PRECIP	4 INCH SOIL			VEG WET	SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			EVAP
12/ 1	52	-4	29	-7	40	-6	.00	50	41	46	9.99	999	0
12/ 2	53	-3	32	-3	43	-3	.00	53	45	49	9.99	999	0
12/ 3	60	4	51	16	56	10	3.42	51	45	48	9.99	999	0
12/ 4	63	8	51	16	57	12	.92	56	51	54	9.99	999	0
12/ 5	55	0	38	4	47	2	.00	55	47	51	9.99	999	0
12/ 6	65	10	41	7	53	8	1.00	57	48	53	9.99	999	0
12/ 7	64	9	26	-8	45	0	.00	56	42	49	9.99	999	0
12/ 8	45	-9	27	-7	36	-8	.00	50	40	45	9.99	999	0
12/ 9	52	-2	27	-7	40	-4	.00	50	36	43	9.99	999	0
12/10	58	4	33	-1	46	2	.00	51	40	46	9.99	999	0
12/11	65	11	45	12	55	11	.68	55	47	51	9.99	999	0
12/12	59	6	40	7	50	7	.06	53	50	52	9.99	999	0
12/13	42	-11	37	4	40	-3	88.88	50	47	49	9.99	999	0
12/14	47	-6	44	11	46	3	.30	47	46	47	9.99	999	0
12/15	47	-6	31	-2	39	-4	88.88	48	42	45	9.99	999	0
12/16	50	-3	22	-11	36	-7	.00	47	39	43	9.99	999	0
12/17	42	-10	23	-10	33	-10	88.88	44	38	41	9.99	999	0
12/18	49	-3	30	-2	40	-2	.00	48	40	44	9.99	999	0
12/19	57	5	25	-7	41	-1	.00	49	39	44	9.99	999	0
12/20	42	-10	25	-7	34	-8	88.88	44	39	42	9.99	999	0
12/21	41	-11	32	0	37	-5	.00	42	40	41	9.99	999	0
12/22	46	-5	34	2	40	-2	.89	43	40	42	9.99	999	0
12/23	42	-9	19	-13	31	-11	.00	43	37	40	9.99	999	0
12/24	33	-18	7	-25	20	-22	.00	38	35	37	9.99	999	0
12/25	11	-40	-4	-36	4	-38	.00	35	30	33	9.99	999	0
12/26	11	-40	-3	-34	4	-37	.00	35	34	35	9.99	999	0
12/27	24	-26	1	-30	13	-28	99.99	31	29	30	9.99	999	0
12/28	35	-15	20	-11	28	-13	2.93	31	31	31	9.99	999	0
12/29	44	-6	19	-12	32	-9	.10	31	31	31	9.99	999	0
12/30	25	-25	4	-27	15	-26	.00	31	31	31	9.99	999	0
12/31	23	-27	5	-26	14	-27	.00	31	30	31	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 45.2 Mean Minimum= 26.1 Average= 33.7
 DFN= -7.5 DFN= -6.7 DFN= -7.1
 Highest= 65 Lowest= -4

PRECIPITATION STATISTICS:

Total= 10.32 DFN= +5.78 Greatest Daily= 3.42 Rain Days= 9

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- THORSDY
ALABAMA

1999

DATE	AIR TEMPERATURE						PRECIP	4 INCH COIL			EVAP	NET SOLAR ENERGY	
	MAX	DFN	MIN	DFN	AVG	DFN		MAX	MIN	MEAN			
12/ 1	54	-7	28	-7	41	-7	.00	50	44	49	9.99	999	0
12/ 2	57	-3	40	5	49	1	.00	51	51	54	9.99	999	0
12/ 3	72	12	47	12	60	12	.00	62	59	61	9.99	999	0
12/ 4	72	12	52	18	62	15	2.16	62	59	61	9.99	999	0
12/ 5	63	4	38	4	51	4	.00	62	51	57	9.99	999	0
12/ 6	70	11	39	5	55	8	2.07	64	51	58	9.99	999	0
12/ 7	59	0	26	-8	43	-4	.00	61	45	50	9.99	999	0
12/ 8	58	-1	26	-8	42	-5	.00	56	44	50	9.99	999	0
12/ 9	58	0	30	-4	44	-2	.00	57	40	50	9.99	999	0
12/10	59	1	38	4	49	3	.00	58	46	52	9.99	999	0
12/11	64	6	45	12	55	9	.92	57	45	51	9.99	999	0
12/12	60	2	45	12	53	7	.16	58	53	57	9.99	999	0
12/13	53	-5	39	6	46	0	.00	54	50	52	9.99	999	0
12/14	50	-7	39	6	45	0	.10	50	50	50	9.99	999	0
12/15	52	-5	33	0	43	-2	.00	53	44	48	9.99	999	0
12/16	55	-2	27	-6	41	-4	.00	54	41	48	9.99	999	0
12/17	53	-4	29	-4	41	-4	.00	53	41	48	9.99	999	0
12/18	55	-1	37	4	46	1	.00	54	41	48	9.99	999	0
12/19	58	2	36	4	47	3	.00	54	46	50	9.99	999	0
12/20	58	2	35	3	47	3	.00	48	45	47	9.99	999	0
12/21	54	-2	37	5	46	2	.00	51	47	48	9.99	999	0
12/22	51	-5	40	8	46	2	.45	51	38	45	9.99	999	0
12/23	47	-9	24	-8	36	-8	.00	47	40	44	9.99	999	0
12/24	37	-18	13	-19	25	-19	.00	38	36	37	9.99	999	0
12/25	21	-34	1	-31	11	-33	.00	36	32	34	9.99	999	0
12/26	20	-35	2	-30	11	-33	.00	34	31	33	9.99	999	0
12/27	30	-25	6	-26	18	-26	88.88	999	999	999	9.99	999	0
12/28	48	-7	24	-8	36	-8	3.30	42	33	38	9.99	999	0
12/29	58	3	25	-7	42	-2	.04	51	39	45	9.99	999	0
12/30	33	-22	8	-24	21	-23	.00	44	34	39	9.99	999	0
12/31	28	-26	8	-24	18	-25	.00	33	33	33	9.99	999	0

AIR TEMPERATURES:

Mean Maximum= 51.8 Mean Minimum= 29.6 Average= 40.7
 DFN= -5.3 DFN= -3.4 DFN= -4.3
 Highest= 72 Lowest= 1

PRECIPITATION STATISTICS:

Total= 9.20 DFN= +3.84 Greatest Daily= 3.30 Rain Days= 3

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.9 Solar Energy= 9999.9

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in
 inches, vegetative wetting is in hours and solar energy is in Watts per
 square meter. A '0' indicates no solar data available.

DAILY WEATHER OBSERVATIONS -- WINFIELD ALABAMA

1978

DATE	AIR TEMPERATURE			PRECIP	4 INCH SOIL			WEG	SOLAR ENERGY				
	MAX	DFN	MIN		DFN	AVG	DFN			MAX	MIN	MEAN	EVAP
12/ 1	50	-10	23	-7	39	-9	.02	33	43	47	9.99	999	1247
12/ 2	56	-3	35	0	46	-1	.00	35	50	50	9.99	999	1066
12/ 3	70	11	55	21	63	16	4.30	35	35	55	9.99	999	1107
12/ 4	76	17	48	14	62	13	.78	62	53	60	9.99	999	981
12/ 5	54	-5	33	-1	44	-3	.00	33	30	34	9.99	999	903
12/ 6	71	13	50	16	61	13	.53	37	39	39	9.99	999	2213
12/ 7	52	-6	21	-13	37	-9	.00	60	43	52	9.99	999	1123
12/ 8	50	-8	21	-13	36	-10	.00	34	42	48	9.99	999	950
12/ 9	57	0	23	-10	40	-5	.00	34	43	50	9.99	999	1190
12/10	64	7	42	9	53	8	.00	31	31	31	9.99	999	1328
12/11	67	10	50	17	59	14	1.32	35	33	33	9.99	999	1069
12/12	65	8	38	5	52	7	.80	60	34	37	9.99	999	1473
12/13	45	-11	33	5	42	-3	.00	34	30	32	9.99	999	719
12/14	45	-11	40	7	43	-2	.32	32	30	31	9.99	999	405
12/15	45	-11	28	-5	37	-3	.04	30	44	47	9.99	999	1111
12/16	50	-6	21	-11	36	-8	.00	30	40	43	9.99	999	950
12/17	39	-17	21	-11	30	-14	88.88	43	40	42	9.99	999	1162
12/18	51	-4	26	-6	39	-3	.00	30	42	46	9.99	999	1373
12/19	60	5	25	-7	43	-1	.00	32	42	47	9.99	999	1351
12/20	35	-20	25	-7	30	-14	.00	42	41	42	9.99	999	1149
12/21	48	-7	25	-7	37	-7	.03	44	40	42	9.99	999	1217
12/22	53	-2	35	3	44	0	1.22	48	44	46	9.99	999	1373
12/23	39	-16	16	-16	28	-16	.00	43	40	44	9.99	999	1113
12/24	36	-18	8	-24	22	-21	.00	43	38	43	9.99	999	1104
12/25	15	-39	-3	-35	6	-37	.00	33	35	37	9.99	999	1711
12/26	13	-36	-3	-34	8	-35	.00	35	32	34	9.99	999	2312
12/27	13	-36	13	-13	13	-25	88.88	32	32	32	9.99	999	2174
12/28	45	-9	18	-13	32	-11	2.36	34	34	34	9.99	999	1112
12/29	45	-9	18	-13	32	-11	88.88	34	32	34	9.99	999	970
12/30	28	-26	0	-31	14	-29	.00	39	33	36	9.99	999	643
12/31	28	-25	1	-30	15	-27	.00	36	35	36	9.99	999	643

AIR TEMPERATURES:

Mean Maximum= 47.6 Mean Minimum= 25.8 Average= 36.7
 DFN= -8.5 DFN= -6.3 DFN= -7.3
 Highest= 76 Lowest= -3

PRECIPITATION STATISTICS:

Total= 12.44 DFN= +7.32 Greatest Daily= 4.30 Rain Days= 11

AVERAGE DAILY VALUES:

Pan Evaporation= 9.99 Hours of Wet Vegetation= 999.7 Solar Energy= 1920.0

 Data values that are all '9s' indicate data that is missing or not reported.
 88.88 indicates Trace of precipitation. DFN is the departure from normal.
 Temperatures are in degrees Fahrenheit, precipitation and evaporation are in inches, vegetative wetting is in hours and solar energy is in watts per square meter. A '0' indicates no solar data available.