

1981
AUBURN UNIVERSITY

MICROMETEOROLOGICAL
DATA

May 1982
Agricultural Weather Series No. 21
Alabama Agricultural Experiment Station
Auburn University
Gale A. Buchanan, Director
Auburn University, Alabama



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL WEATHER SERVICE
SE Agricultural Weather Service Center
Nuclear Science Center - Room 314
Auburn University, AL 36849

April 14, 1982

TO: All Users of Auburn Climatological Data

During 1981 the name of this office was changed from the Environmental Studies Service Center to the Southeast Agricultural Weather Service Center.



1981 AUBURN MICROMETEOROLOGICAL DATA

All data in this publication were recorded at the National Weather Service Micrometeorology Station located at the south end of the Agronomy Farm at Auburn University. The Station was established in September, 1963, in cooperation with the Agronomy and Soils Department. The observations were made by the National Weather Service's Agricultural Weather Service Center personnel.

Pages 1-1 through 12-4 list daily weather data. Three tables of data are presented for each month. Summary tables of 1981 weather and normal values of certain parameters are on pages 13-1 and 14-1.

The appendix contains a list of other climatological publications for Alabama prepared by the NWS/AWSC staff.

All times, unless otherwise indicated, are in Central Standard Time. Air and soil temperatures, chill hours, evaporation pan readings and precipitation amounts are for a 24-hour period ending at 7:00 a.m. Central Standard Time for the day indicated. Vegetative Wetting data are the number of hours of wetting during the 24-hour period ending at noon. Hygrothermograph and 14-foot level wind observations are for the period indicated. All other readings are for a 24-hour period from midnight to midnight for the indicated date.

Temperatures at 5 cm are measured over grass and over fallow soil. Soil temperatures are measured under bare soil. All other instruments are exposed over sod.

Evaporation is measured with a Class A National Weather Service evaporation pan.

Degree days are the differences between the mean temperature and the base temperature, either above or below.

Unless otherwise indicated, units in this publication are as follows:

Temperatures in degrees Fahrenheit
Relative humidity as a percentage
Average wind speed in knots
Wind gusts in knots
Solar radiation in langleys (gram-calorie/cm²)
Precipitation and evaporation in inches

Data prepared by:

NOAA-National Weather Service
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AGROCLIMATOLOGICAL DATA - JANUARY 1981

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	53	28	41	-5	24	0	0	17	63	26	62	28	45	OM	OM	OM	55	33	44	52	37	45	48	40	44	
2	60	33	47	1	19	2	0	15	69	31	68	31	50	OM	OM	OM	60	34	47	55	37	46	50	41	46	
3	53	25	39	-7	26	0	0	17	61	21	62	24	43	OM	OM	OM	59	33	46	55	37	46	51	41	46	
4	58	30	44	-2	21	0	0	13	67	28	66	29	48	OM	OM	OM	59	33	46	54	37	46	50	41	46	
5	48	18	33	-13	32	0	0	17	60	16	61	17	39	OM	OM	OM	58	30	44	54	35	45	50	40	45	
6	41	19	30	-16	35	0	0	24	54	18	55	19	37	OM	OM	OM	53	30	42	49	35	42	46	40	43	
7	44	29	37	-9	28	0	0	24	50	28	48	29	39	OM	OM	OM	46	33	40	45	36	41	44	39	42	
8	47	24	36	-10	29	0	0	21	52	21	54	23	39	OM	OM	OM	49	31	40	47	35	41	45	38	42	
9	51	24	38	-8	27	0	0	19	63	22	61	23	42	OM	OM	OM	53	31	42	49	35	42	45	38	42	
10	52	25	39	-7	26	0	0	17	62	23	61	25	43	OM	OM	OM	51	32	42	48	35	42	45	38	42	
11	42	19	31	-15	34	0	0	24	51	17	52	18	35	OM	OM	OM	48	29	39	46	33	40	43	37	40	
12	40	12	26	-20	39	0	0	24	51	OM	50	OM	OM	OM	OM	OM	OM	41	OM	OM	41	OM	OM	39	OM	OM
13	35	14	25	-21	40	0	0	24	41	OM	44	OM	OM	OM	OM	OM	OM	39	OM	OM	39	OM	OM	37	OM	OM
14	46	15	31	-15	34	0	0	22	56	15	53	14	34	OM	OM	OM	42	27	35	40	31	36	38	34	36	
15	56	26	41	-5	24	0	0	15	65	22	63	24	44	OM	OM	OM	49	30	40	46	33	40	42	35	39	
16	58	30	44	-2	21	0	0	15	70	27	69	29	49	OM	OM	OM	57	33	45	53	36	45	48	39	44	
17	51	19	35	-11	30	0	0	19	59	18	62	19	41	OM	OM	OM	55	30	43	51	34	43	47	38	43	
18	41	17	29	-17	36	0	0	24	51	12	49	14	32	OM	OM	OM	48	29	39	46	33	40	43	36	40	
19	52	18	35	-11	30	0	0	18	61	18	59	17	38	OM	OM	OM	52	29	41	47	33	40	43	36	40	
20	64	32	48	2	17	3	0	7	74	30	76	30	53	OM	OM	OM	60	32	46	53	35	44	48	37	43	
21	44	38	41	-5	24	0	0	24	43	38	44	39	42	OM	OM	OM	44	40	42	44	42	43	44	43	44	
22	40	38	39	-7	26	0	0	24	42	38	42	39	41	OM	OM	OM	43	40	42	43	41	42	43	42	43	
23	44	38	41	-5	24	0	0	24	43	38	43	39	41	OM	OM	OM	43	39	41	43	40	42	43	42	43	
24	46	29	38	-8	27	0	0	22	48	23	45	27	36	OM	OM	OM	45	33	39	46	36	41	45	39	42	
25	60	30	45	-1	20	0	0	13	72	26	71	29	50	OM	OM	OM	58	33	46	53	36	45	48	39	44	
26	63	32	48	1	17	3	0	7	75	30	72	31	52	OM	OM	OM	60	34	47	55	37	46	50	40	45	
27	65	37	51	4	14	6	0	0	74	35	73	36	55	OM	OM	OM	60	38	49	56	41	49	52	43	48	
28	64	40	52	5	13	7	0	4	73	37	71	39	55	OM	OM	OM	61	42	52	57	42	50	53	47	50	
29	57	32	45	-2	20	0	0	14	67	27	67	30	49	OM	OM	OM	60	35	48	57	39	48	53	43	48	
30	64	33	49	2	16	4	0	7	74	32	73	31	52	OM	OM	OM	61	35	48	57	39	48	53	43	48	
31	64	30	47	0	18	2	0	17	72	28	72	29	51	OM	OM	OM	60	33	47	56	38	47	52	43	48	

TOTAL 700 27 0 532 1863 745

MEAN 51.7 26.9 39.3 -6.7 25.5 0.9 0.0 17.2 60.1 25.7 59.6 27.0 43.3 0.0 0.0 0.0 52.5 33.1 42.8 49.6 36.5 43.0 46.4 39.7 43.1

TEMPERATURE EXTREMES: HIGHEST 65 ON DAYS 27,
 LOWEST 12 ON DAYS 12.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 24 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 - JANUARY 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING		
	WATER EQUIV- VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES MOVEMENT	AIR INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	0.0	22	0.0	M 0.0	M 50	35	43	33	0.0	M 70	85	37	60	63	6	DEW
2	0.0	23	0.0	M 0.0	M 57	37	47	114	0.0	M 62	69	33	52	54	0	
3	0.0	24	0.0	M 0.0	M 53	36	45	37	0.0	M 72	66	34	39	53	0	
4	0.0	25	0.0	M 0.0	M 54	36	45	56	0.0	M 53	73	29	35	48	0	
5	0.0	26	0.0	M 0.0	M 51	31	41	81	0.0	M 42	54	17	37	38	0	
6	0.0	27	0.0	M 0.0	M 41	31	36	48	0.0	M 29	35	25	57	37	0	
7	0.55	0	0.0	M 0.0	M 39	32	36	70	0.0	M 96	82	60	67	76	13	RAIN
8	0.0	1	0.0	M 0.0	M 45	32	39	71	0.0	M 60	65	22	40	47	0	
9	0.0	2	0.0	M 0.0	M 47	32	40	35	0.0	M 50	69	37	62	55	0	
10	0.0	3	0.0	M 0.0	M 48	34	41	51	0.0	M 72	57	33	41	51	0	
11	0.0	4	0.0	M 0.0	M 44	31	38	71	0.0	M 57	62	22	48	47	0	
12	0.0	5	0.0	M 0.0	M 39	OM	OM	102	0.0	M 59	64	24	41	47	0	
13	0.0	6	0.0	M 0.0	M 40	31	36	43	0.0	M 54	64	23	28	42	0	
14	0.0	7	0.0	M 0.0	M 41	31	36	60	0.0	M 53	74	61	74	66	0	
15	0.0	9	0.0	M 0.0	M 42	31	37	45	0.0	M 89	89	29	55	66	14	DEW
16	0.0	9	0.0	M 0.0	M 56	36	46	43	0.0	M 64	72	37	50	56	0	
17	0.0	10	0.0	M 0.0	M 52	31	42	99	0.0	M 44	68	33	46	48	0	
18	0.0	11	0.0	M 0.0	M 61	31	36	76	0.0	M 57	65	17	26	41	0	
19	0.0	12	0.0	M 0.0	M 41	31	36	67	0.0	M 39	43	15	20	29	0	
20	0.16	13	0.0	M 0.0	M 55	33	44	39	0.0	M 37	93	36	93	65	12	RAIN
21	0.31	0	0.0	M 0.0	M 43	39	41	114	0.0	M 89	93	89	89	90	23	RAIN
22	0.0	1	0.0	M 0.0	M 41	38	40	76	0.013	M 93	100	68	89	80	9	FOG
23	0.0	2	0.0	M 0.0	M 42	38	40	73	0.023	M 89	89	68	76	81	0	
24	0.0	3	0.0	M 0.0	M 47	36	42	50	0.0	M 92	92	32	53	67	11	DEW
25	0.0	4	0.0	M 0.0	M 58	36	47	26	0.0	M 89	89	35	50	66	11	DEW
26	0.0	5	0.0	M 0.0	M 61	38	50	34	0.0	M 60	96	63	80	75	4	DEW
27	0.0	6	0.0	M 0.0	M 63	41	52	42	0.090	M 89	96	73	100	90	14	DEW
28	0.40	0	0.0	M 0.0	M 62	45	54	55	0.032	M 93	82	35	60	68	17	RAIN
29	0.0	1	0.0	M 0.0	M 59	38	49	48	0.137	M 72	82	27	44	56	1	DEW
30	0.0	2	0.0	M 0.0	M 61	38	50	38	0.149	M 55	89	90	74	77	3	RAIN
31	0.04	3	0.0	M 0.0	M 59	35	47	97	0.052	M 82	58	35	38	53	0	
TOTAL	1.46							1894	0.496							
MEAN			0.0		49.4	34.8	42.1	61	0.062	67	75	40	56	60	4	

NORMAL PRECIPITATION FOR MONTH IS 4.83 INCHES; 24 HOUR MAXIMUM = 0.55 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 5; 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 - JANUARY 1981

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	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-AGE	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED	HR. SPEED					MAX	MIN	MEAN	MAX	MIN				
1	V	1	W	6	15:00	17	386	64.0	311	OM	30.22	29.98	30.10	OM	OM	0		
2	NW	7	N	4	4:00	15	408	67.5	320	OM	30.33	30.22	30.27	OM	OM	0	1100	COLD
3	V	1	W	5	13:00	15	400	66.1	315	OM	30.26	30.08	30.17	OM	OM	0		
4	V	2	N	6	10:00	15	361	59.7	318	OM	30.36	30.08	30.22	OM	OM	0	1000	COLD
5	N	6	E	4	9:00	13	OM	0.0M	312	OM	30.48	30.32	30.40	OM	OM	0		
6	F	2	S	3	22:00	15	5	0.8	148	OM	30.32	29.89	30.10	OM	OM	0		
7	NW	3	NW	5	5:00	17	181	29.8	183	OM	30.10	29.88	29.99	OM	OM	0	0300	COLD
8	N	3	N	3	4:00	11	444	73.0	336	OM	30.16	30.05	30.10	OM	OM	0		
9	N	3	W	2	15:00	12	253	41.5	231	OM	30.20	30.11	30.15	OM	OM	0		
10	N	4	N	7	2:00	17	474	77.7	338	OM	30.41	30.23	30.32	OM	OM	0		
11	N	5	NW	6	21:00	24	318	52.1	266	OM	0.0 M	0.0 M	0.0 M	OM	OM	0		
12	NW	7	NW	5	3:00	15	489	80.0	354	OM	0.0 M	0.0 M	0.0 M	OM	OM	0		
13	V	1	SW	5	14:00	15	479	78.3	347	OM	30.28	30.04	30.16	OM	OM	0		
14	S	2	SW	4	14:00	16	365	59.4	272	OM	30.06	29.95	30.00	OM	OM	0		
15	V	2	W	2	12:00	12	480	78.0	338	OM	30.11	29.98	30.04	OM	OM	0	0600	COLD
16	N	3	NW	7	16:00	16	478	77.6	340	OM	30.26	30.11	30.18	OM	OM	0		
17	NW	6	NW	7	14:00	15	481	78.0	357	OM	30.48	30.32	30.40	OM	OM	0		
18	NW	3	W	6	12:00	15	498	80.5	368	OM	30.42	30.23	30.32	OM	OM	0		
19	W	2	W	4	11:00	11	413	66.6	332	OM	30.23	30.03	30.13	OM	OM	0		
20	N	3	E	6	23:00	18	0	0.0	68	OM	0.0 M	0.0 M	0.0 M	OM	OM	0		
21	W	6	W	6	3:00	15	0	0.0	64	OM	30.14	0.0 M	0.0 M	OM	OM	0		
22	W	3	W	4	0:00	12	0	0.0	66	OM	30.18	30.09	30.13	OM	OM	0		
23	W	4	W	5	9:00	13	174	27.8	203	OM	30.09	29.96	30.02	OM	OM	0		
24	V	1	N	3	11:00	15	516	82.4	359	OM	30.00	29.91	29.96	OM	OM	0		
25	V	1	S	4	11:00	10	542	86.4	353	OM	30.11	30.00	30.05	OM	OM	0		
26	S	1	W	3	15:00	11	413	65.7	299	OM	30.05	29.91	29.98	OM	OM	0		
27	V	1	W	5	12:00	13	171	27.1	198	OM	29.92	29.82	29.87	OM	OM	0	2300	COLD
28	N	3	N	6	14:00	19	562	88.9	374	OM	30.16	29.84	30.00	OM	OM	0		
29	V	1	SW	4	11:00	11	572	90.4	369	OM	30.29	30.15	30.22	OM	OM	0		
30	S	2	W	4	17:00	18	152	23.9	191	OM	30.29	30.13	30.21	OM	OM	0		
31	NE	7	E	7	10:00	18	362	56.9	309	OM	30.39	30.16	30.27	OM	OM	0		
TOTAL							10377		8639	0						0		
MEAN		3		5		15	346		279	0	30.22	30.05	30.14	0.0	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	75 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	8 1962
12	57	35	46	81 1949	6 1918
13	57	35	46	75 1937	6 1918
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 1981

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			HRS	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN						
					65	45	55																								
1	49	30	39	-8	26	0	0	19	58	30	61	31	46	OM	OM	OM	52	33	43	50	38	44	47	42	45						
2	65	28	47	0	19	2	0	11	64	27	66	28	47	OM	OM	OM	54	35	45	52	40	46	50	43	47						
3	39	15	27	-21	38	0	0	24	52	10	49	14	32	OM	OM	OM	52	30	41	49	35	42	47	39	43						
4	40	16	28	-20	37	0	0	24	50	14	50	17	34	OM	OM	OM	47	30	39	44	34	39	42	37	40						
5	48	22	35	-13	30	0	0	19	61	19	57	21	39	OM	OM	OM	48	31	40	45	37	41	43	37	40						
6	44	23	34	-14	31	0	0	24	55	24	54	23	39	OM	OM	OM	48	31	40	45	34	40	42	37	40						
7	47	34	39	-9	26	0	0	24	47	34	47	36	42	OM	OM	OM	46	37	42	45	38	42	43	40	42						
8	48	43	46	-2	19	1	0	4	50	43	52	44	48	OM	OM	OM	48	42	45	47	42	45	46	42	44						
9	55	29	42	-6	23	0	0	6	59	25	65	27	46	OM	OM	OM	59	34	47	55	37	46	51	41	46						
10	55	30	43	-5	22	0	0	6	65	28	63	29	46	OM	OM	OM	55	33	44	51	37	44	48	40	44						
11	55	44	50	2	15	5	0	1	54	43	56	44	50	OM	OM	OM	51	45	48	50	44	47	50	44	47						
12	44	12	28	-20	37	0	0	24	43	11	44	13	29	OM	OM	OM	49	30	40	50	34	42	50	38	44						
13	40	13	27	-21	38	0	0	24	50	14	51	15	33	OM	OM	OM	44	30	37	42	34	38	40	37	39						
14	42	26	34	-14	31	0	0	24	51	27	50	28	39	OM	OM	OM	41	32	37	40	34	37	39	36	38						
15	60	37	49	0	16	4	0	3	70	37	70	38	54	OM	OM	OM	59	34	47	54	36	45	49	38	44						
16	65	46	56	7	9	11	1	0	73	46	76	47	62	OM	OM	OM	62	42	52	57	43	50	52	44	48						
17	65	53	59	10	6	14	4	0	70	52	72	53	63	OM	OM	OM	60	49	55	57	49	53	54	49	52						
18	62	57	60	11	5	15	5	0	62	56	62	57	60	OM	OM	OM	59	54	57	58	54	56	56	53	55						
19	71	54	63	14	2	18	8	0	82	50	81	52	67	OM	OM	OM	69	53	61	66	54	60	61	56	59						
20	68	47	58	9	7	13	3	0	78	43	77	45	61	OM	OM	OM	68	47	58	65	50	58	61	53	57						
21	69	41	55	6	10	10	0	4	76	37	77	39	58	OM	OM	OM	66	43	55	63	46	55	59	49	54						
22	75	47	61	11	4	16	6	0	85	48	84	46	65	OM	OM	OM	70	43	57	65	46	56	60	49	55						
23	66	40	53	3	12	8	0	6	82	35	77	38	58	OM	OM	OM	63	42	53	60	46	53	57	50	54						
24	61	36	49	-1	16	4	0	8	69	28	68	33	51	OM	OM	OM	61	38	50	59	42	51	56	46	51						
25	65	35	50	0	15	5	0	9	74	29	74	33	54	OM	OM	OM	63	38	51	59	42	51	55	45	50						
26	70	39	55	5	10	10	0	3	84	35	79	39	59	OM	OM	OM	65	38	52	62	42	52	57	46	52						
27	76	45	61	11	4	16	6	0	87	44	85	46	66	OM	OM	OM	71	43	57	67	46	57	61	48	55						
28	76	47	62	11	3	17	7	0	87	43	86	46	66	OM	OM	OM	75	49	62	70	51	61	64	52	58						

TOTAL 510 169 40 267 1838 932

MEAN 57.7 35.3 46.5 -2.0 18.2 6.0 1.4 9.5 65.6 33.3 65.5 35.1 50.3 0.0 0.0 0.0 57.3 38.8 48.1 54.5 41.6 48.1 51.4 44.0 47.7

TEMPERATURE EXTREMES: HIGHEST 76 ON DAYS 27, 28,
 LOWEST 12 ON DAYS 12,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 0 DAYS WITH MAXIMUM 90 DEGREES OR ABOVE.
 11 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 - FEBRUARY 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING			
	WATER EQUIV- VALENT(IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES AIR MOVEMENT	INCHES EVAP.	RELATIVE HUMIDITY (%)							HRS	SOURCE
										1 AM	7 AM	1 PM	7 PM	MEAN				
1	0.07	4	0.0	M 0.0	M	49	35	42	145	0.153	52	93	72	86	76	6	RAIN	
2	0.36	0	0.0	M 0.0	M	57	36	47	160	0.0	M	42	75	44	55	54	8	RAIN
3	0.0	1	0.0	M 0.0	M	47	31	39	120	0.0	M	52	74	20	37	48	0	
4	0.0	2	0.0	M 0.0	M	40	31	36	54	0.0	M	57	74	37	56	56	0	
5	0.0	3	0.0	M 0.0	M	42	31	37	86	0.0	M	51	52	19	29	38	0	
6	0.15	4	0.0	M 0.0	M	42	31	37	44	0.0	M	69	92	93	96	88	12	RAIN
7	0.03	5	0.0	M 0.0	M	43	36	40	50	0.027	93	96	93	100	96	0		
8	0.01	6	0.0	M 0.0	M	47	41	44	49	0.006	100	96	50	52	75	21	RAIN	
9	0.0	7	0.0	M 0.0	M	60	35	48	85	0.0	M	55	48	20	32	39	0	
10	0.48	0	0.0	M 0.0	M	53	37	45	89	0.0	M	42	93	100	100	84	9	RAIN
11	5.37	0	0.0	M 0.0	M	53	44	49	130	0.0	M	100	89	65	51	76	19	RAIN
12	0.0 T	1	0.0	M 0.0	M	50	30	40	80	0.0	M	61	57	30	36	46	0	
13	0.0	2	0.0	M 0.0	M	38	29	34	48	0.0	M	39	44	46	43	43	0	
14	0.0	3	0.0	M 0.0	M	37	29	33	62	0.0	M	50	50	42	54	49	0	
15	0.0	4	0.0	M 0.0	M	54	35	45	66	0.0	M	65	71	50	62	62	1	RAIN
16	0.0 T	5	0.0	M 0.0	M	61	42	52	0	0.0	M	77	83	63	75	75	2	RAIN
17	0.0 T	6	0.0	M 0.0	M	61	50	56	0	0.0	M	87	97	97	100	95	8	RAIN
18	0.92	0	0.0	M 0.0	M	59	55	57	0	0.0	M	100	100	73	81	89	21	RAIN
19	0.0	1	0.0	M 0.0	M	68	54	61	45	0.0	M	97	100	66	72	84	12	DEW
20	0.0	2	0.0	M 0.0	M	68	48	58	69	0.113	90	93	24	42	62	9	FOG	DEW
21	0.0	3	0.0	M 0.0	M	65	42	54	81	0.240	70	71	24	46	53	0		
22	0.0	4	0.0	M 0.0	M	69	42	56	37	0.208	66	74	81	90	78	0		
23	0.16	5	0.0	M 0.0	M	60	41	51	89	0.038	71	82	22	32	52	9	RAIN	
24	0.0	6	0.0	M 0.0	M	60	36	48	111	0.247	45	55	27	38	41	0		
25	0.0	7	0.0	M 0.0	M	62	37	50	74	0.217	49	73	23	37	46	0		
26	0.0	8	0.0	M 0.0	M	65	38	52	20	0.150	54	71	26	36	47	0		
27	0.0	9	0.0	M 0.0	M	72	44	58	34	0.205	68	51	28	51	50	0		
28	0.0	10	0.0	M 0.0	M	73	49	61	32	0.178	59	68	34	43	51	0		
TOTAL	8.15								1860	1.782								
MEAN		0.0				55.5	38.9	47.2	66	0.148	66	76	49	58	62	5		

NORMAL PRECIPITATION FOR MONTH IS 5.32 INCHES; 24 HOUR MAXIMUM = 5.37 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 9; 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 - FEBRUARY 1981

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 A Y S	L I G H T-N I N G S T R O K E S	O B S E R V E D O R R E P O R T E D H A I L H I-W I N D	T I M E O F P A S S A G E	T Y P E O F F R O N T
	P R E V D I R.	A V E R S P E E D	P R E V D I R.	A V E R S P E E D					M A X	M I N	M E A N	M A X	M I N					
1	F	8	SE	9	19:00	27	3	0.5	104	OM	30.16	29.77	29.96	OM	OM	0		
2	NW	7	W	8	14:00	21	570	90.3	427	OM	30.34	29.88	30.11	OM	OM	0	1900	COLD
3	NW	4	W	6	12:00	15	581	90.6	440	OM	30.48	30.34	30.41	OM	OM	0		
4	V	0	W	7	14:00	19	446	69.4	357	OM	30.39	30.27	30.33	OM	OM	0		
5	N	5	SE	3	3:00	13	442	68.6	343	OM	30.46	30.30	30.38	OM	OM	0		
6	F	2	NE	3	22:00	8	0	0.0	130	OM	30.30	30.14	30.22	OM	OM	0		
7	F	3	SE	3	7:00	10	0	0.0	86	OM	30.14	29.88	30.01	OM	OM	0		
8	S	3	NW	8	10:00	19	447	68.9	355	OM	30.06	29.83	29.94	OM	OM	0	0900	COLD
9	N	4	NE	3	23:00	12	467	71.7	344	OM	30.23	30.08	30.15	OM	OM	0		
10	E	6	SE	5	8:00	36	0	0.0	OM	OM	30.00	29.68	29.88	OM	OM	1		
11	SE	7	NW	10	10:00	30	190	29.0	215	OM	30.62	29.74	30.18	OM	OM	1	0600	COLD
12	N	5	NE	6	8:00	15	469	71.4	440	OM	30.72	30.59	30.65	OM	OM	0		
13	NE	5	NE	6	17:00	17	179	27.2	229	OM	30.75	30.62	30.68	OM	OM	0		
14	NE	8	NE	8	8:00	16	457	69.3	400	OM	30.63	30.48	30.55	OM	OM	0		
15	NE	8	E	9	14:00	24	292	44.2	300	OM	30.48	30.34	30.41	OM	OM	0		
16	F	6	E	7	10:00	20	214	32.3	208	OM	30.34	30.24	30.29	OM	OM	0		
17	F	6	E	4	1:00	16	0	0.0	79	OM	30.24	30.16	30.20	OM	OM	0		
18	F	5	SE	3	5:00	11	142	21.3	202	OM	30.16	30.04	30.10	OM	OM	0		
19	V	2	NW	5	15:00	15	354	52.9	300	OM	30.06	29.93	29.99	OM	OM	0		
20	W	3	NW	7	10:00	23	610	92.2	461	OM	29.96	29.88	29.92	OM	OM	0	0900	COLD
21	N	2	NW	4	15:00	14	580	86.3	447	OM	30.03	29.90	29.96	OM	OM	0		
22	V	1	V	5	22:00	23	73	10.8	162	OM	29.92	29.79	29.85	OM	OM	0	2200	COLD
23	NW	5	SW	10	15:00	29	621	91.7	474	OM	29.94	29.83	29.88	OM	OM	0		
24	W	3	W	7	11:00	23	630	92.8	489	OM	30.09	29.92	30.00	OM	OM	0		
25	N	2	W	2	12:00	12	536	78.7	413	OM	30.17	30.07	30.12	OM	OM	0		
26	V	1	NW	3	15:00	21	597	87.5	440	OM	30.17	30.07	30.12	OM	OM	0		
27	N	3	S	4	9:00	15	578	84.5	453	OM	30.25	30.12	30.18	OM	OM	0		
28	SE	2	SW	5	16:00	18	421	61.4	340	OM	30.16	29.99	30.07	OM	OM	0		
TOTAL							9915		8654	0						2		
MEAN		4		6		19	354		321	0	30.26	30.07	30.16	0.0	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	59	35	47	78	1957	17	1936
2	59	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	39	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 1981

AUDUBON, ALABAMA

DAY	AIR TEMPERATURE DATA										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*	BLOW 65	ABOVE 45		55	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	73	51	62	11	3	17	7	0	83	54	82	54	68	OM	OM	OM	70	49	60	67	51	59	62	53	58
2	65	43	54	3	11	9	0	2	69	51	68	43	56	OM	OM	OM	64	48	56	61	51	56	59	54	57
3	64	41	53	2	12	8	0	10	73	34	73	38	56	OM	OM	OM	69	41	55	65	45	55	61	49	55
4	63	43	53	2	12	8	0	0	76	42	75	43	59	OM	OM	OM	69	42	56	65	45	55	60	49	55
5	64	49	58	6	7	13	3	0	67	49	68	50	59	OM	OM	OM	57	48	53	56	51	54	55	53	54
6	67	35	51	-1	14	6	0	10	79	30	76	34	55	OM	OM	OM	66	40	53	62	44	53	59	48	54
7	62	38	50	-2	15	5	0	9	72	38	72	39	56	OM	OM	OM	68	40	54	63	44	54	58	48	53
8	57	34	46	-6	19	1	0	9	72	32	69	33	51	OM	OM	OM	62	37	50	58	41	50	55	46	51
9	62	36	49	-4	16	4	0	10	73	33	73	35	54	OM	OM	OM	67	37	52	62	41	52	57	46	52
10	62	37	50	-3	15	5	0	11	73	33	71	36	54	OM	OM	OM	67	39	53	63	42	53	57	46	52
11	64	41	53	0	12	8	0	8	77	37	76	40	58	OM	OM	OM	70	40	55	66	43	55	59	46	53
12	64	35	50	-3	15	5	0	10	74	29	75	32	54	OM	OM	OM	71	39	55	67	43	55	60	47	54
13	64	40	52	-2	13	7	0	0	76	41	78	41	60	OM	OM	OM	72	40	56	67	43	55	60	47	54
14	64	43	54	0	11	9	0	2	73	37	72	40	56	OM	OM	OM	69	44	57	65	47	56	59	50	55
15	66	34	50	-4	15	5	0	10	76	27	77	32	55	OM	OM	OM	77	41	59	70	45	58	63	49	56
16	70	45	58	4	7	13	3	OM	80	48	80	47	64	OM	OM	OM	77	42	60	70	45	58	62	49	56
17	61	29	45	-10	20	0	0	OM	69	23	71	27	49	OM	OM	OM	66	38	52	63	42	53	59	47	53
18	69	39	54	-1	11	9	0	OM	75	44	74	42	58	OM	OM	OM	73	40	57	68	42	55	61	47	54
19	65	31	48	-7	17	3	0	OM	67	28	68	30	49	OM	OM	OM	66	38	52	60	42	51	57	47	52
20	54	30	42	-14	23	0	0	OM	63	24	62	28	45	OM	OM	OM	62	36	49	58	40	49	54	44	49
21	59	34	47	-9	18	2	0	OM	70	29	69	33	51	OM	OM	OM	67	38	53	63	40	52	56	44	50
22	67	42	55	-1	10	10	0	OM	81	44	78	45	62	OM	OM	OM	73	43	58	67	44	56	59	47	53
23	65	38	52	-4	13	7	0	OM	70	38	71	40	56	OM	OM	OM	65	45	55	62	47	55	57	49	53
24	48	35	42	-15	23	0	0	OM	51	29	51	33	42	OM	OM	OM	53	39	46	52	42	47	51	45	48
25	64	40	52	-5	13	7	0	OM	73	36	74	38	56	OM	OM	OM	71	41	56	64	42	53	58	45	52
26	67	41	54	-3	11	9	0	OM	77	36	77	40	59	OM	OM	OM	71	43	57	64	45	55	58	47	53
27	72	41	57	-1	8	12	2	OM	81	35	80	40	60	OM	OM	OM	74	45	60	69	47	58	62	49	56
28	73	44	59	1	6	14	4	OM	82	37	86	41	64	OM	OM	OM	77	48	63	72	51	62	64	51	58
29	76	54	65	6	0	20	10	OM	81	55	87	57	72	OM	OM	OM	78	50	64	73	51	62	65	53	59
30	74	58	66	7	0	21	11	OM	81	58	81	60	71	OM	OM	OM	73	57	65	70	57	64	64	57	61
31	75	49	62	3	3	17	7	OM	84	53	84	47	66	OM	OM	OM	79	52	66	74	55	65	68	57	63

TOTAL 373 254 47 91 2298 1184

MEAN 65.2 40.3 52.8 -1.7 12.0 8.2 1.5-91.0 74.1 38.2 74.1 39.9 57.0 0.0 0.0 0.0 69.1 42.6 55.9 64.7 45.4 55.1 59.3 48.7 54.0

TEMPERATURE EXTREMES: HIGHEST 76 ON DAYS 29,
 LOWEST 29 ON DAYS 17,

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

* DEPARTURE FROM NORMAL.

AGROCLIMATOLOGICAL DATA - MARCH 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING			
	WATER EQUIV-VALENT (IN.)	DPY* 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	0.0	11	0.0	M 0.0	M 68	49	59	64	0.176	78	90	84	100	80	0	
2	0.41	0	0.0	M 0.0	M 61	46	54	54	0.022	89	93	37	43	66	20	RAIN
3	0.0	1	0.0	M 0.0	M 66	39	53	87	0.207	65	68	33	43	52	0	
4	0.0 T	2	0.0	M 0.0	M 67	39	53	45	0.153	61	48	47	96	63	2	RAIN
5	1.35	0	0.0	M 0.0	M 55	48	52	113	0.198	96	100	50	66	80	18	RAIN
6	0.0 T	1	0.0	M 0.0	M 64	36	50	129	0.156	67	70	34	50	55	1	RAIN
7	0.0	2	0.0	M 0.0	M 63	37	50	69	0.204	49	55	37	41	46	0	
8	0.0	3	0.0	M 0.0	M 56	34	45	67	0.145	43	56	28	33	40	0	
9	0.0	4	0.0	M 0.0	M 63	32	48	56	0.183	48	52	25	39	41	0	
10	0.0	5	0.0	M 0.0	M 63	36	50	65	0.199	51	57	26	34	42	0	
11	0.0	6	0.0	M 0.0	M 66	37	52	46	0.168	65	60	34	44	51	0	
12	0.0	7	0.0	M 0.0	M 65	36	51	80	0.200	51	50	23	37	40	0	
13	0.0	8	0.0	M 0.0	M 65	37	51	40	0.100	50	63	34	43	48	0	
14	0.0	9	0.0	M 0.0	M 60	41	51	49	0.159	68	71	19	28	47	0	
15	0.0	10	0.0	M 0.0	M 65	38	52	51	0.210	47	43	27	48	41	0	
16	0.37	0	0.0	M 0.0	M 65	37	51	115	0.253	97	86	31	30	61	11	RAIN
17	0.0	1	0.0	M 0.0	M 61	36	49	124	0.263	52	70	30	28	45	1	DEW
18	0.01	2	0.0	M 0.0	M 65	36	51	98	0.295	74	90	81	86	83	7	RAIN
19	0.43	0	0.0	M 0.0	M 57	35	46	115	0.030	76	70	35	39	55	13	RAIN
20	0.0	1	0.0	M 0.0	M 56	35	46	131	0.244	61	69	33	36	50	0	
21	0.0	2	0.0	M 0.0	M 61	36	49	75	0.224	55	70	25	37	47	0	
22	0.65	0	0.0	M 0.0	M 66	38	52	112	0.232	52	83	78	90	76	10	RAIN
23	0.24	0	0.0	M 0.0	M 62	42	52	93	0.037	93	89	77	82	85	13	RAIN
24	0.0	1	0.0	M 0.0	M 40	38	43	61	0.034	96	82	39	46	66	12	DEW
25	0.0	2	0.0	M 0.0	M 68	39	54	60	0.209	62	53	28	43	47	0	
26	0.0	3	0.0	M 0.0	M 69	41	55	45	0.204	70	50	26	45	48	0	
27	0.0	4	0.0	M 0.0	M 75	44	60	36	0.205	56	83	32	47	55	3	DEW
28	0.0	5	0.0	M 0.0	M 77	49	63	31	0.202	71	75	31	54	58	2	DEW
29	0.0	6	0.0	M 0.0	M 76	49	63	102	0.270	70	93	45	53	65	1	DEW
30	1.95	0	0.0	M 0.0	M 72	56	64	190	0.216	93	84	60	54	73	10	RAIN
31	0.0	1	0.0	M 0.0	M 78	54	66	56	0.209	83	84	49	79	74	8	DEW
TOTAL	5.41							2459	5.607							
MEAN			0.0		64.6	40.3	52.5	79	0.181	67	71	40	51	57	4	

NORMAL PRECIPITATION FOR MONTH IS 6.93 INCHES; 24 HOUR MAXIMUM = 1.95 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 8; 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.

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 1961

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS		
	4PM TO 6AM		6AM TO 6PM		MAX GUST		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-AGE	TYPE OF FRONT			
	DIP.	AVR. SPEED	DIP.	AVR. SPEED	DIP.	HR. SPEED					MAX	MIN	MEAN	MAX					MIN		
1	SW	3	W	4	14:00	14	36	5.2	139	OM	29.99	29.86	29.93	OM	OM	0			2100	COLD	
2	NW	4	NW	6	12:00	18	581	84.1	497	OM	29.97	29.92	29.94	OM	OM	0					
3	N	4	N	4	9:00	15	578	83.4	472	OM	30.09	29.95	30.01	OM	OM	0					
4	F	2	SE	9	17:00	25	36	5.2	127	OM	29.98	29.58	29.78	OM	OM	0					
5	SE	4	W	10	15:00	27	386	55.5	353	OM	29.88	29.58	29.73	OM	OM	0			0200	COLD	
6	NW	5	NW	5	9:00	15	616	88.1	519	OM	30.00	29.91	29.96	OM	OM	0					
7	N	5	N	5	10:00	14	423	60.3	359	OM	30.12	29.97	30.04	OM	OM	0					
8	N	5	N	4	2:00	15	545	77.6	474	OM	30.26	30.12	30.19	OM	OM	0					
9	N	5	NW	6	13:00	18	651	92.5	538	OM	30.34	30.24	30.29	OM	OM	0					
10	N	3	NW	4	11:00	15	620	87.7	531	OM	30.32	30.20	30.26	OM	OM	0					
11	N	2	NW	7	14:00	21	620	87.4	517	OM	30.26	30.14	30.20	OM	OM	0					
12	N	3	N	5	8:00	16	593	83.4	514	OM	30.26	30.06	30.16	OM	OM	0					
13	V	1	NW	4	16:00	16	383	53.7	301	OM	30.06	29.93	29.99	OM	OM	0					
14	V	2	N	6	13:00	17	653	91.3	541	OM	30.13	29.95	30.04	OM	OM	0					
15	N	2	SW	6	12:00	23	529	73.8	465	OM	30.08	29.72	29.90	OM	OM	0					
16	W	6	NW	13	13:00	33	586	81.5	529	OM	29.98	29.70	29.84	OM	OM	0			1000	COLD	
17	NW	2	SW	7	17:00	21	670	92.9	553	OM	29.99	29.69	29.84	OM	OM	0					
18	S	5	V	7	14:00	27	92	12.7	141	OM	29.69	29.37	29.53	OM	OM	1	YES	YES	2300	COLD	
19	NW	6	NW	13	16:00	28	670	92.4	556	OM	29.82	29.62	29.72	OM	OM	0					
20	NW	4	W	7	15:00	23	673	92.6	559	OM	29.91	29.81	29.86	OM	OM	0					
21	V	1	SE	4	23:00	16	433	59.4	426	OM	29.98	29.79	29.88	OM	OM	0					
22	E	8	SE	6	5:00	27	240	32.8	175	OM	29.80	29.59	29.69	OM	OM	1					
23	N	4	NW	6	13:00	16	39	5.3	111	OM	30.06	29.79	29.92	OM	OM	0					
24	NW	2	NW	5	16:00	16	661	89.9	556	OM	30.14	30.05	30.10	OM	OM	0					
25	N	3	N	5	10:00	17	651	88.3	509	OM	30.21	30.14	30.18	OM	OM	0					
26	N	2	SW	3	12:00	13	664	89.7	541	OM	30.28	30.18	30.23	OM	OM	0					
27	V	1	V	3	12:00	15	671	90.4	561	OM	30.32	30.22	30.27	OM	OM	0					
28	V	1	V	6	12:00	19	626	84.3	513	OM	30.33	30.22	30.27	OM	OM	0					
29	F	5	SE	10	13:00	25	409	54.8	323	OM	30.22	29.69	29.96	OM	OM	0					
30	V	0	W	7	5:00	36	546	73.0	521	OM	30.02	29.69	29.85	OM	OM	1			YES	1000	COLD
31	SW	1	S	5	0:00	26	673	89.6	571	OM	30.15	30.02	30.08	OM	OM	0					
TOTAL							15551		13492	0						3					
MEAN		4		6		20	502		435	0	30.08	29.89	29.99	0.0	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
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	85	1927	26 1960
20	68	43	56	89	1938	22 1923
21	69	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	28 1956
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 1981

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHELTER TEMPERATURES				DEGRFE DAYS			CHILL	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		55	HRS	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
					65	45																			
1	82	59	71	11	0	26	16	0M	90	61	90	64	77	0M	0M	0M	82	55	69	76	56	66	69	57	63
2	74	49	62	2	3	17	7	0M	77	42	80	46	63	0M	0M	0M	75	50	63	71	53	62	69	56	63
3	79	45	62	2	3	17	7	0M	88	40	89	44	67	0M	0M	0M	81	52	67	75	54	65	69	56	63
4	79	56	68	7	0	23	13	0M	85	49	87	52	70	0M	0M	0M	79	55	67	74	56	65	68	57	63
5	80	57	69	8	0	24	14	0M	86	57	86	59	73	0M	0M	0M	76	58	67	72	59	66	68	60	64
6	72	41	57	-4	8	12	2	0M	81	32	81	39	60	0M	0M	0M	74	47	61	71	51	61	67	54	61
7	69	48	59	-3	6	14	4	0M	79	39	79	44	62	0M	0M	0M	76	49	63	72	51	62	66	54	60
8	73	52	63	1	2	18	8	0M	86	45	87	50	69	0M	0M	0M	78	51	65	73	53	63	67	55	61
9	75	52	64	2	1	19	9	0M	82	47	83	51	67	0M	0M	0M	76	57	67	73	57	65	68	58	63
10	78	55	67	4	0	22	12	0M	89	48	87	53	70	0M	0M	0M	83	58	71	78	59	69	71	60	66
11	82	58	70	7	0	25	15	0M	96	49	95	55	75	0M	0M	0M	90	60	75	85	62	74	76	62	69
12	92	56	69	6	0	24	14	0M	100	47	94	53	74	0M	0M	0M	93	60	77	87	64	76	77	64	71
13	78	56	67	4	0	22	12	0M	101	49	89	55	72	0M	0M	0M	92	61	77	86	64	75	78	65	72
14	85	58	72	8	0	27	17	0M	107	49	98	56	77	0M	0M	0M	98	63	81	91	65	78	82	65	74
15	86	57	72	8	0	27	17	0M	113	54	99	58	79	0M	0M	0M	100	63	82	93	67	80	83	68	76
16	92	58	70	6	0	25	15	0M	99	54	96	57	77	0M	0M	0M	99	62	81	91	66	79	82	68	75
17	75	58	67	2	0	22	12	0M	92	50	90	57	74	0M	0M	0M	91	64	78	85	66	76	78	68	73
18	79	58	69	4	0	24	14	0M	104	55	92	57	75	0M	0M	0M	93	63	78	86	66	76	79	68	74
19	86	59	73	8	0	28	18	0M	95	56	101	59	80	0M	0M	0M	101	67	84	93	67	80	83	68	76
20	93	62	73	8	0	28	18	0M	92	60	94	62	78	0M	0M	0M	97	67	82	91	70	81	83	71	77
21	84	57	71	5	0	26	16	0M	94	54	98	57	78	0M	0M	0M	96	63	80	90	65	78	80	68	74
22	62	53	58	-8	7	13	3	0M	66	53	68	55	62	0M	0M	0M	68	59	64	68	61	65	68	63	66
23	73	55	64	-2	1	19	9	0M	79	55	83	58	71	0M	0M	0M	83	60	72	78	61	70	72	63	68
24	82	55	69	3	0	24	14	0M	91	53	93	55	74	0M	0M	0M	90	61	76	83	64	74	76	66	71
25	75	47	61	-6	4	16	6	0M	82	41	84	44	64	0M	0M	0M	78	53	66	75	57	66	72	60	66
26	74	55	65	-2	0	20	10	0M	84	50	85	53	69	0M	0M	0M	83	56	70	78	59	69	71	60	66
27	93	52	68	1	0	23	13	0M	93	47	99	50	75	0M	0M	0M	96	59	78	89	60	75	79	61	70
28	86	56	71	4	0	26	16	0M	97	51	100	54	77	0M	0M	0M	100	62	81	93	66	80	83	65	74
29	85	58	72	5	0	27	17	0M	95	53	98	57	78	0M	0M	0M	100	66	83	93	67	80	84	68	76
30	75	62	69	1	0	24	14	0M	85	63	86	65	76	0M	0M	0M	83	67	75	78	68	73	74	69	72

TOTAL 35 662 362 0 2708 1503
 MEAN 78.6 54.8 66.7 3.0 1.2 22.1 12.1 0.0 90.3 50.1 89.7 54.0 71.8 0.0 0.0 0.0 87.0 58.9 73.0 81.6 61.1 71.4 74.7 62.6 68.6

TEMPERATURE EXTREMES: HIGHEST 86 ON DAYS 15, 19, 28,
 LOWEST 41 ON DAYS 6.

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.
 HOUR DESIGNATION MISSING TAKE CASE ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - APRIL 1981

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 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	5.60	0	0.0 M	0.0 M	82	54	68	84	0.0 M	87	87	60	62	74	12	RAIN
2	0.0	1	0.0 M	0.0 M	73	51	62	55	0.0 M	68	59	24	50	50	0	
3	0.0	2	0.0 M	0.0 M	79	53	66	32	0.0 M	77	62	34	48	55	3	DEW
4	0.0	3	0.0 M	0.0 M	77	56	67	96	0.144	78	70	49	66	66	2	DEW
5	0.14	4	0.0 M	0.0 M	77	57	67	139	0.203	87	97	53	51	72	8	RAIN
6	0.13	5	0.0 M	0.0 M	71	47	59	63	0.178	65	54	29	49	49	0	
7	0.0	6	0.0 M	0.0 M	73	47	60	55	0.295	46	45	29	51	43	0	
8	0.0	7	0.0 M	0.0 M	74	49	62	70	0.294	64	70	51	73	67	0	
9	0.0	8	0.0 M	0.0 M	75	50	63	71	0.219	78	78	62	87	76	5	DEW
10	0.0	9	0.0 M	0.0 M	81	58	70	28	0.174	93	84	49	68	74	13	DEW
11	0.0	10	0.0 M	0.0 M	85	62	74	39	0.244	84	84	58	76	76	6	DEW
12	0.0	11	0.0 M	0.0 M	86	62	74	40	0.214	90	93	58	81	81	12	DEW
13	0.0	12	0.0 M	0.0 M	84	61	73	39	0.212	98	100	53	73	81	11	DEW FOG
14	0.0	13	0.0 M	0.0 M	90	61	76	30	0.226	87	81	42	59	67	10	DEW
15	0.0	14	0.0 M	0.0 M	89	59	74	60	0.286	78	75	55	61	67	0	
16	0.0	15	0.0 M	0.0 M	87	57	72	71	0.261	81	62	58	84	71	0	
17	0.0	16	0.0 M	0.0 M	79	57	68	60	0.169	84	78	60	84	77	5	DEW
18	0.0	17	0.0 M	0.0 M	82	61	72	36	0.0 M	90	93	51	71	76	12	DEW
19	0.0	18	0.0 M	0.0 M	88	64	76	41	0.130	89	90	53	66	75	3	DEW
20	0.0	19	0.0 M	0.0 M	84	65	75	65	0.292	87	93	59	90	82	6	DEW
21	0.17	20	0.0 M	0.0 M	84	60	72	86	0.247	90	93	78	87	87	14	DEW RAIN
22	0.0	21	0.0 M	0.0 M	63	55	59	71	0.088	93	97	69	87	87	2	DEW
23	0.0	22	0.0 M	0.0 M	75	56	66	47	0.148	90	100	60	98	87	11	DEW FOG
24	0.74	0	0.0 M	0.0 M	81	61	71	86	0.187	84	86	41	64	69	0	
25	0.0	1	0.0 M	0.0 M	76	53	65	73	0.326	68	63	30	60	55	0	
26	0.0	2	0.0 M	0.0 M	77	50	64	43	0.268	66	54	27	58	51	0	
27	0.0	3	0.0 M	0.0 M	87	57	72	31	0.302	80	81	31	64	59	12	DEW
28	0.0	4	0.0 M	0.0 M	89	62	76	27	0.277	84	81	43	62	68	9	DEW
29	0.0	5	0.0 M	0.0 M	88	63	76	45	0.252	78	100	94	97	92	7	FOG DEW
30	0.24	0	0.0 M	0.0 M	76	64	70	36	0.061	100	100	59	82	85	23	DEW RAIN
TOTAL	7.02							1719	5.697							
MEAN		0.0			80.4	57.1	68.7	57	0.219	81	80	51	70	71	6	

NORMAL PRECIPITATION FOR MONTH IS 5.21 INCHES; 24 HOUR MAXIMUM = 5.60 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 - APRIL 1981

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-AGE	TYPE OF FRONT			
	PREV DIR.	AVFR SPEED	PREV DIR.	AVFR SPEED					MAX HR. SPEED	MAX	MIN	MFAN					MAX	MIN	
1	V	4	NW	5	7:00	18	328	43.6	0M	0M	30.15	30.00	30.07	0M	0M	1	YES	1200	COLD
2	N	2	V	3	10:00	15	666	88.4	0M	0M	30.24	30.13	30.18	0M	0M	0			
3	V	1	SE	6	13:00	18	575	76.1	552	0M	30.17	30.04	30.10	0M	0M	0			
4	SE	3	S	10	17:00	25	440	58.0	419	0M	30.12	30.04	30.08	0M	0M	0			
5	S	7	V	7	14:00	23	367	48.3	343	0M	30.26	30.01	30.13	0M	0M	0		1300	COLD
6	V	2	N	6	12:00	21	689	90.4	619	0M	30.37	30.26	30.31	0M	0M	0			
7	N	3	SE	6	16:00	17	577	75.6	569	0M	30.37	30.24	30.30	0M	0M	0			
8	SE	3	SE	7	10:00	18	512	66.8	463	0M	30.31	30.22	30.26	0M	0M	0			
9	V	2	V	3	9:00	14	516	67.2	452	0M	30.32	30.21	30.26	0M	0M	0			
10	V	1	V	3	13:00	14	611	79.4	535	0M	30.34	30.24	30.29	0M	0M	0			
11	M	1	M	4	12:00	13	601	78.0	0M	0M	30.32	30.20	30.26	0M	0M	0			
12	M	1	M	5	13:00	14	655	84.6	558	0M	30.25	30.16	30.21	0M	0M	0			
13	M	1	V	3	0:00	0	675	87.0	578	0M	30.26	30.16	30.21	0M	0M	0			
14	V	1	V	5	0:00	0	699	90.0	587	0M	30.34	30.18	30.26	0M	0M	0			
15	N	5	NE	7	3:00	18	619	79.5	542	0M	30.45	30.29	30.37	0M	0M	0			
16	E	5	SE	5	9:00	15	361	46.2	398	0M	30.51	30.37	30.44	0M	0M	0			
17	SE	2	S	4	11:00	12	424	54.2	422	0M	30.37	30.24	30.30	0M	0M	0			
18	V	1	W	4	13:00	14	644	82.0	570	0M	30.30	30.17	30.24	0M	0M	0			
19	V	1	W	5	14:00	16	520	66.1	503	0M	30.17	30.01	30.09	0M	0M	0			
20	W	3	SW	7	15:00	21	392	49.7	0M	0M	30.01	29.88	29.94	0M	0M	0			
21	N	4	NE	6	1:00	16	5	0.6	128	0M	30.11	29.99	30.05	0M	0M	1		0100	COLD
22	E	3	V	4	12:00	11	281	35.5	350	0M	30.16	30.00	30.08	0M	0M	0			
23	V	2	SW	7	15:00	20	330	41.6	351	0M	30.00	29.84	29.92	0M	0M	1		1800	COLD
24	V	4	NW	8	11:00	21	739	93.0	569	0M	29.90	29.82	29.86	0M	0M	0			
25	V	2	NW	4	15:00	16	554	69.4	527	0M	30.05	29.91	29.98	0M	0M	0			
26	N	3	V	3	12:00	13	748	93.5	647	0M	30.16	30.03	30.10	0M	0M	0			
27	V	0	V	2	14:00	12	687	85.8	647	0M	30.16	30.08	30.12	0M	0M	0			
28	V	0	V	4	13:00	14	713	89.8	607	0M	30.14	30.01	30.07	0M	0M	0			
29	SW	2	SW	4	9:00	11	177	22.0	225	0M	30.03	29.94	29.99	0M	0M	0			
30	V	1	W	4	15:00	14	399	49.4	463	0M	29.97	29.88	29.93	0M	0M	0			
TOTAL							15504		12624	0						3			
MEAN		2		5		15	517		486	0	30.21	30.08	30.15	0.0	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 1935	30 1961
3	72	47	60	86 1945	32 1962
4	73	49	61	87 1934	30 1951
5	73	49	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	35 1921
20	78	52	65	89 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 1981

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	DNF*	BELOW ABOVE			MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
					65	45	55																		
1	85	60	73	5	0	28	18	0M	97	55	99	58	79	0M	0M	0M	88	62	75	84	65	75	70	67	73
2	74	47	61	-7	4	16	6	0M	80	42	83	45	64	0M	0M	0M	81	53	67	76	58	67	72	62	67
3	76	51	64	-4	1	19	9	0M	85	47	89	50	70	0M	0M	0M	95	57	76	88	59	74	79	62	71
4	80	56	68	-1	0	23	13	0M	88	52	94	55	75	0M	0M	0M	99	61	80	92	62	77	82	64	73
5	83	59	71	2	0	26	16	0M	91	55	98	59	79	0M	0M	0M	102	67	85	94	70	82	85	69	77
6	85	64	75	6	0	30	20	0M	94	62	100	65	83	0M	0M	0M	100	70	85	92	71	82	84	71	78
7	68	57	63	-6	2	18	8	0M	71	53	73	56	65	0M	0M	0M	77	61	69	75	64	70	74	66	70
8	76	55	66	-4	0	21	11	0M	88	53	89	55	72	0M	0M	0M	80	59	70	77	62	70	73	65	69
9	77	55	66	-4	0	21	11	0M	86	53	92	55	74	0M	0M	0M	96	60	78	89	64	77	80	65	73
10	77	60	69	-1	0	24	14	0M	87	58	91	60	76	0M	0M	0M	97	65	81	89	68	79	81	67	74
11	74	55	66	-4	0	21	11	0M	80	54	84	56	70	0M	0M	0M	89	59	74	82	62	72	76	65	71
12	58	46	52	-18	13	7	0	0M	67	42	67	45	56	0M	0M	0M	67	54	61	67	57	62	67	60	64
13	76	49	63	-9	2	18	8	0M	84	45	88	48	68	0M	0M	0M	91	56	74	85	60	73	76	61	69
14	83	53	68	-3	0	23	13	0M	93	49	99	52	76	0M	0M	0M	100	62	81	92	65	79	82	64	73
15	92	50	66	-5	0	21	11	0M	91	45	95	49	72	0M	0M	0M	96	61	79	89	66	78	81	69	75
16	74	46	60	-11	5	15	5	0M	84	43	87	46	67	0M	0M	0M	97	59	78	90	63	77	82	67	75
17	73	54	64	-8	1	19	9	0M	84	52	85	55	70	0M	0M	0M	89	62	76	83	64	74	77	67	72
18	86	54	70	-2	0	25	15	0M	94	50	101	54	78	0M	0M	0M	100	64	82	93	67	80	84	68	76
19	90	62	76	4	0	31	21	0M	98	61	103	64	84	0M	0M	0M	103	68	86	96	70	83	87	71	79
20	74	62	68	-4	0	23	13	0M	87	61	83	63	73	0M	0M	0M	81	66	74	78	68	73	76	70	73
21	69	57	63	-10	2	18	8	0M	78	56	79	58	69	0M	0M	0M	77	61	69	75	63	69	73	65	69
22	79	50	65	-8	0	20	10	0M	86	46	90	49	70	0M	0M	0M	90	58	74	85	62	74	78	65	72
23	84	53	69	-4	0	24	14	0M	93	48	100	52	76	0M	0M	0M	100	62	81	93	67	80	84	66	75
24	86	62	74	1	0	29	19	0M	97	55	103	60	82	0M	0M	0M	102	67	85	94	68	81	85	69	77
25	86	59	73	-1	0	28	18	0M	96	56	100	59	80	0M	0M	0M	105	68	87	98	71	85	88	72	80
26	86	65	76	2	0	31	21	0M	97	60	103	64	84	0M	0M	0M	104	72	88	97	75	86	88	74	81
27	76	63	70	-4	0	25	15	0M	79	61	82	64	73	0M	0M	0M	79	67	73	77	69	73	76	71	74
28	79	61	70	-5	0	25	15	0M	87	57	89	61	75	0M	0M	0M	84	64	74	82	67	75	77	69	73
29	85	61	73	-2	0	28	18	0M	93	57	95	61	78	0M	0M	0M	89	66	78	84	68	76	79	70	75
30	87	68	78	3	0	33	23	0M	96	66	97	68	83	0M	0M	0M	90	71	81	86	70	78	81	70	76
31	90	68	79	4	3	34	24	0M	96	66	99	69	84	0M	0M	0M	95	72	84	91	74	83	84	73	79

TOTAL 30 724 417 0 2722 1660
 MEAN 79.4 56.8 68.1 -3.3 1.0 23.4 13.5 0.0 87.8 53.5 91.5 56.6 74.1 0.0 0.0 0.0 91.7 63.0 77.4 86.2 65.8 76.0 79.6 67.2 73.4

TEMPERATURE EXTREMES: HIGHEST 90 ON DAYS 19, 31,
 LOWEST 46 ON DAYS 12, 16,

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 2 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.

0M = MISSING OR UNOBSERVED DATA.
 END OF HOUR PERIOD ENDING 2AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - MAY 1981

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	0.0	1	0.0 M	0.0 M	87	63	75	46	0.231	93	55	59	78	71	11	DEW RAIN
2	0.0 T	2	0.0 M	0.0 M	73	52	63	43	0.144	77	69	36	58	60	10	DEW
3	0.0	3	0.0 M	0.0 M	82	52	67	66	0.310	59	55	30	61	51	0	
4	0.0	4	0.0 M	0.0 M	86	53	70	50	0.283	72	63	44	70	62	0	
5	0.0	5	0.0 M	0.0 M	89	62	76	34	0.238	84	76	40	66	67	3	DEW
6	0.0R	6	0.0 M	0.0 M	87	65	76	27	0.176	81	97	87	90	89	13	RAIN
7	0.23	0	0.0 M	0.0 M	72	59	66	34	0.079	97	90	64	81	83	11	FOG DEW
8	0.0	1	0.0 M	0.0 M	78	57	68	72	0.176	84	57	42	68	63	0	
9	0.0	2	0.0 M	0.0 M	85	56	71	67	0.286	72	65	52	68	64	0	
10	0.0	3	0.0 M	0.0 M	85	61	73	46	0.184	84	90	74	90	85	6	DEW RAIN
11	0.34	0	0.0 M	0.0 M	79	55	67	98	0.145	78	72	69	80	75	20	RAIN
12	0.0	1	0.0 M	0.0 M	63	50	57	65	0.110	93	72	53	63	70	8	FOG
13	0.0	2	0.0 M	0.0 M	85	54	70	44	0.235	64	61	32	66	56	2	DEW
14	0.0	3	0.0 M	0.0 M	90	60	75	30	0.239	75	84	46	69	69	5	DEW
15	0.0	4	0.0 M	0.0 M	83	59	71	73	0.282	70	72	48	62	63	3	DEW
16	0.0	5	0.0 M	0.0 M	81	57	67	75	0.286	86	67	48	67	67	7	DEW
17	0.0	6	0.0 M	0.0 M	76	60	68	40	0.296	90	68	37	64	65	2	DEW
18	0.0	7	0.0 M	0.0 M	85	61	73	49	0.338	87	68	34	54	61	5	DEW
19	0.77	0	0.0 M	0.0 M	87	64	76	80	0.346	79	97	76	90	86	9	RAIN
20	0.11	1	0.0 M	0.0 M	76	63	70	81	0.141	100	84	73	78	84	11	RAIN
21	0.0	2	0.0 M	0.0 M	73	57	65	80	0.187	81	84	52	51	67	0	
22	0.0	3	0.0 M	0.0 M	82	58	70	41	0.314	83	57	30	59	57	6	DEW
23	0.0	4	0.0 M	0.0 M	88	62	75	29	0.290	84	71	32	68	64	0	
24	0.0	5	0.0 M	0.0 M	88	63	76	30	0.285	81	58	43	55	59	0	
25	0.0	6	0.0 M	0.0 M	90	64	77	46	0.336	75	85	47	76	71	0	
26	0.02	7	0.0 M	0.0 M	90	67	79	47	0.278	90	93	97	100	95	0	
27	2.74	0	0.0 M	0.0 M	75	65	70	90	0.0 M	100	97	69	84	88	0	
28	0.0	1	0.0 M	0.0 M	83	65	74	60	0.150	97	79	50	69	74	0	
29	0.0	2	0.0 M	0.0 M	87	67	77	53	0.343	93	74	65	82	79	0	
30	0.0	3	0.0 M	0.0 M	89	68	79	34	0.288	94	94	62	77	82	11	FOG DEW
31	0.0	4	0.0 M	0.0 M	94	73	84	44	0.306	85	88	56	69	75	9	DEW
TOTAL	4.29							1674	7.302							
MEAN		0.0			82.8	60.2	71.5	54	0.243	83	76	53	71	71	5	

NORMAL PRECIPITATION FOR MONTH IS 3.90 INCHES; 24 HOUR MAXIMUM = 2.74 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 7; 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 - MAY 1981

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL				SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS		
	4PM TO 6AM		6AM TO 6PM		MINS. OF SHINE	PERCENT OF POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE IN INCHES			MIXING RATIO**		O LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS-AGE	TYPE OF FRONT	
	DIR.	AVER. SPEED	DIR.	AVER. SPEED					HR.	SPEED	MAX	MIN	MEAN					MAX
1	N	3	N	4	8:00	13	290	35.9	280	OM	29.96	29.89	29.93	OM	OM	0	0200	COLD
2	N	3	N	6	9:00	17	751	92.7	678	OM	30.04	29.95	29.99	OM	OM	0		
3	NE	4	V	4	15:00	14	730	90.0	663	OM	30.07	29.99	30.03	OM	OM	0		
4	E	2	SE	4	13:00	11	647	79.7	617	OM	30.09	30.00	30.04	OM	OM	0		
5	V	0	S	3	14:00	12	416	51.1	458	OM	30.04	29.86	29.95	OM	OM	0		
6	V	2	N	4	13:00	13	79	9.7	170	OM	29.96	29.79	29.88	OM	OM	0		
7	N	2	N	5	9:00	15	327	40.0	381	OM	29.95	29.80	29.88	OM	OM	0		
8	NE	5	NE	5	11:00	21	712	86.9	653	OM	30.04	29.95	29.99	OM	OM	0		
9	E	4	E	4	8:00	15	647	78.9	531	OM	30.02	29.96	29.99	OM	OM	0		
10	E	2	SE	6	22:00	19	315	38.3	322	OM	29.96	29.74	29.85	OM	OM	1	2000	COLD
11	W	5	NW	7	6:00	17	94	11.4	243	OM	30.01	29.82	29.91	OM	OM	0		
12	NW	1	N	5	12:00	15	701	85.0	683	OM	30.06	30.00	30.03	OM	OM	0		
13	N	2	V	3	13:00	14	743	89.8	668	OM	30.10	29.97	30.04	OM	OM	0		
14	V	1	S	6	11:00	17	557	67.3	531	OM	30.00	29.85	29.93	OM	OM	0	2300	COLD
15	W	3	NW	7	0:00	18	752	90.7	689	OM	29.96	29.89	29.93	OM	OM	0		
16	N	4	V	4	8:00	17	452	54.4	414	OM	30.10	30.00	30.05	OM	OM	0		
17	V	2	SE	5	15:00	14	677	81.3	598	OM	30.10	29.99	30.04	OM	OM	0		
18	E	1	SW	7	16:00	21	667	80.1	654	OM	30.04	29.91	29.97	OM	OM	0		
19	S	3	S	7	3:00	36	358	42.9	297	OM	29.98	29.83	29.90	OM	OM	1	YES	
20	V	3	NW	6	16:00	18	240	28.7	315	OM	29.98	29.83	29.90	OM	OM	0	0200	COLD
21	N	5	N	5	11:00	16	552	65.9	592	OM	30.08	29.97	30.02	OM	OM	0		
22	N	2	V	3	13:00	13	769	91.7	687	OM	30.13	30.04	30.08	OM	OM	0		
23	V	1	V	3	0:00	15	606	72.1	606	OM	30.12	30.02	30.07	OM	OM	0		
24	V	1	SW	5	11:00	15	743	88.3	672	OM	30.10	30.02	30.06	OM	OM	0		
25	V	0	S	4	11:00	14	594	70.5	596	OM	30.11	29.98	30.04	OM	OM	0		
26	V	2	SE	8	12:00	25	100	11.9	131	OM	29.98	29.81	29.89	OM	OM	1	YES	
27	V	2	W	6	12:00	15	505	59.8	452	OM	29.90	29.81	29.85	OM	OM	1		
28	V	2	NW	6	10:00	17	723	85.6	653	OM	29.96	29.88	29.92	OM	OM	0		
29	V	1	W	4	12:00	13	597	79.6	561	OM	29.99	29.91	29.95	OM	OM	0		
30	V	1	W	5	13:00	14	659	77.8	614	OM	30.00	29.91	29.96	OM	OM	0		
31	V	1	SW	4	13:00	15	647	76.4	588	OM	30.01	29.92	29.96	OM	OM	0		
TOTAL							16650		15997	0						4		
MEAN		2		5		16	537		516	0	30.03	29.91	29.97	0.0	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

MOBILE, 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	99 1962	48 1976
20	85	59	72	98 1962	49 1976
21	85	60	73	97 1962	43 1954
22	85	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 1981

AUCURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHFLTER 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	90	67	79	3	0	34	24	0M	97	65	101	67	84	0M	0M	0M	99	71	85	95	74	85	95	74	85
2	85	68	77	1	0	32	22	0M	93	66	98	69	84	0M	0M	0M	96	72	84	92	75	84	84	76	80
3	92	70	76	0	0	31	21	0M	92	68	96	71	84	0M	0M	0M	88	73	81	84	74	79	81	75	79
4	98	69	79	3	0	34	24	0M	98	68	99	70	85	0M	0M	0M	92	72	82	87	74	81	83	75	79
5	90	72	81	4	0	26	26	0M	100	69	105	72	89	0M	0M	0M	96	74	85	94	77	86	87	76	82
6	92	73	83	6	0	38	28	0M	101	71	103	74	89	0M	0M	0M	106	78	92	101	80	91	92	78	85
7	90	76	83	6	0	38	28	0M	95	74	99	77	88	0M	0M	0M	99	78	89	95	80	88	89	80	85
8	88	71	80	3	0	35	25	0M	98	69	101	72	87	0M	0M	0M	101	75	88	96	77	87	89	78	84
9	84	74	81	4	0	36	26	0M	99	74	102	76	89	0M	0M	0M	100	77	89	95	78	87	89	78	84
10	91	75	83	6	0	38	28	0M	101	71	104	74	89	0M	0M	0M	105	79	92	99	80	90	92	80	86
11	92	70	81	4	0	36	26	0M	101	68	104	71	88	0M	0M	0M	106	75	91	101	78	90	94	80	87
12	91	70	81	3	0	36	26	0M	100	68	102	71	87	0M	0M	0M	98	74	86	95	76	86	89	78	84
13	91	71	81	3	0	36	26	0M	100	70	103	73	88	0M	0M	0M	100	76	88	95	77	86	89	79	84
14	92	68	80	2	0	35	25	0M	99	65	106	68	87	0M	0M	0M	100	74	87	97	77	87	90	79	85
15	92	71	82	4	0	37	27	0M	102	68	104	71	88	0M	0M	0M	107	77	92	101	78	90	94	79	87
16	93	71	82	4	0	37	27	0M	101	68	105	72	89	0M	0M	0M	112	78	95	106	81	94	97	82	90
17	93	72	83	5	0	38	28	0M	101	68	109	72	91	0M	0M	0M	111	78	95	104	82	93	97	84	91
18	94	72	83	5	0	38	28	0M	102	68	107	72	90	0M	0M	0M	113	79	96	107	83	95	99	84	92
19	93	70	82	4	0	37	27	0M	103	65	107	69	88	0M	0M	0M	114	78	96	108	82	95	100	85	93
20	93	68	81	2	0	36	26	0M	103	66	108	70	89	0M	0M	0M	113	80	97	107	83	95	99	85	92
21	95	73	84	5	0	39	29	0M	105	70	107	74	91	0M	0M	0M	110	82	96	105	85	95	99	86	93
22	94	71	83	4	0	38	28	0M	107	69	110	73	92	0M	0M	0M	111	82	97	106	85	96	99	87	93
23	96	74	85	6	0	40	30	0M	105	72	108	76	92	0M	0M	0M	108	82	95	103	85	94	98	87	93
24	99	72	86	7	0	41	31	0M	107	70	112	73	93	0M	0M	0M	113	82	98	108	85	97	101	87	94
25	97	70	84	5	0	39	29	0M	107	66	112	71	92	0M	0M	0M	112	82	97	107	85	96	100	87	94
26	95	71	83	4	0	38	28	0M	106	70	110	73	92	0M	0M	0M	110	82	96	106	85	96	99	87	93
27	94	62	78	-1	0	33	23	0M	103	57	106	61	84	0M	0M	0M	110	75	93	105	80	93	99	83	91
28	95	71	83	4	0	38	28	0M	103	70	111	72	92	0M	0M	0M	112	77	95	106	81	94	99	83	91
29	91	65	78	-2	0	33	23	0M	99	62	107	66	87	0M	0M	0M	107	76	92	101	80	91	95	83	89
30	90	63	77	-3	0	32	22	0M	102	57	107	63	85	0M	0M	0M	110	77	94	104	80	92	97	83	90

TOTAL 0 1089 789 0 3030 2032
 MEAN 91.8 70.3 81.0 3.3 0.0 36.3 26.3 0.0101.0.67.7105.1 71.1 88.1 0.0 0.0 0.0105.3 77.2 91.2100.3 79.9 90.1 93.8 81.3 87.5

TEMPERATURE EXTREMES: HIGHEST 99 ON DAYS 24,
 LOWEST 62 ON DAYS 27,

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 - JUNE 1981

AUBURN, ALABAMA

DAY	PRECIPITATION			SOIL MOISTURE		OPEN PAN EVAPORATION					HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING		
	WATER EQUIVALENT (IN.)	DPY* DAYS	DPY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	(DEG F) MEAN	MILES MOVEMENT	AIR INCHES EVAP.	RELATIVE HUMIDITY (%) 1 AM	7 AM	1 PM	7 PM	MEAN	HRS	SOURCE	
1	0.0	5	0.0	M	0.0	M	93	70	82	55	0.324	90	90	61	67	77	9	DEW
2	0.01	6	0.0	M	0.0	M	89	72	81	37	0.191	100	100	98	98	99	16	RAIN
3	0.48	0	0.0	M	0.0	M	83	72	78	54	0.141	100	100	68	88	89	0	
4	0.0	1	0.0	M	0.0	M	91	73	82	48	0.239	97	94	62	88	85	0	
5	0.0	2	0.0	M	0.0	M	95	75	85	28	0.267	94	88	60	85	82	0	
6	0.0	3	0.0	M	0.0	M	90	75	87	43	0.287	94	94	70	85	86	0	
7	0.0	4	0.0	M	0.0	M	91	76	84	85	0.269	98	98	70	100	92	0	
8	0.01	5	0.0	M	0.0	M	92	72	82	55	0.164	100	100	68	85	88	17	RAIN
9	0.0 T	6	0.0	M	0.0	M	93	74	84	58	0.198	100	97	64	77	85	7	DEW RAIN
10	0.0 T	7	0.0	M	0.0	M	95	76	86	64	0.276	100	97	66	94	89	10	DEW RAIN
11	0.29	0	0.0	M	0.0	M	96	71	84	74	0.289	94	91	66	100	88	12	RAIN DEW
12	0.32	0	0.0	M	0.0	M	98	71	85	53	0.243	100	94	68	100	91	15	DEW RAIN
13	0.13	1	0.0	M	0.0	M	100	74	87	31	0.198	100	97	62	85	86	15	DEW RAIN
14	0.0	2	0.0	M	0.0	M	97	75	86	26	0.277	97	100	64	82	86	9	DEW
15	0.0	3	0.0	M	0.0	M	96	76	86	26	0.374	100	80	51	74	76	11	FOG DEW
16	0.0	4	0.0	M	0.0	M	97	76	87	30	0.368	91	75	56	77	75	8	DEW
17	0.0	5	0.0	M	0.0	M	94	74	84	41	0.351	94	80	53	80	77	8	DEW FOG
18	0.0	6	0.0	M	0.0	M	96	72	84	45	0.364	88	65	51	74	70	4	DEW
19	0.0	7	0.0	M	0.0	M	97	69	83	44	0.398	69	60	43	65	59	0	
20	0.0	8	0.0	M	0.0	M	94	71	83	33	0.337	85	72	53	68	70	2	DEW
21	0.0	9	0.0	M	0.0	M	94	74	84	47	0.321	94	80	53	72	75	0	
22	0.0	10	0.0	M	0.0	M	96	73	85	49	0.330	91	80	55	70	74	0	
23	0.0	11	0.0	M	0.0	M	94	73	84	50	0.293	91	67	44	54	64	6	DEW
24	0.0	12	0.0	M	0.0	M	96	70	83	OM	0.429	85	74	45	68	68	0	
25	0.0	13	0.0	M	0.0	M	95	71	83	OM	0.334	88	91	53	87	80	9	DEW
26	0.0 T	14	0.0	M	0.0	M	95	70	83	OM	0.342	87	76	43	53	65	1	RAIN
27	0.0	15	0.0	M	0.0	M	92	59	76	70	0.398	53	74	35	50	53	0	
28	0.04	16	0.0	M	0.0	M	92	65	79	66	0.373	87	82	58	59	72	9	RAIN DEW
29	0.0	17	0.0	M	0.0	M	89	64	77	86	0.430	68	66	33	49	54	0	
30	0.0	18	0.0	M	0.0	M	88	65	77	51	0.410	75	71	37	52	59	0	
TOTAL	1.28									1349	9.215							
MEAN		0.0					93.9	71.6	82.7	50	0.307	90	84	57	76	77	6	

NORMAL PRECIPITATION FOR MONTH IS 4.25 INCHES; 24 HOUR MAXIMUM = 0.48 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 7; OF 0.50 OR MORE 0; 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 - JUNE 1981

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 POSSIBLE	LANG-LEYS* SOLAR	LANG-LEYS* NET	STATION IN INCHES	PRESSURE	MIXING RATIO**	D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS	TYPE OF FRONT			
	DIP. SPEED	DIP. SPEED	HR. SPEED		SHINE	SUNSHINE	RAD.	RAD.	MAX	MIN	MEAN	MAX	MIN	S	ES			
1	E	3	S	3	19:00	18	366	43.1	422	OM	30.06	29.98	30.02	OM	OM	0		
2	V	1	S	4	13:00	16	237	27.9	345	OM	30.07	30.00	30.04	OM	OM	0		
3	S	2	S	4	11:00	12	512	60.2	460	OM	30.06	29.97	30.01	OM	OM	0		
4	V	2	SW	3	13:00	14	597	70.2	552	OM	30.08	29.99	30.04	OM	OM	0		
5	V	1	SW	3	13:00	11	563	66.0	593	OM	30.06	29.96	30.01	OM	OM	0		
6	V	2	SW	8	12:00	21	432	50.6	454	OM	29.96	29.84	29.90	OM	OM	0		
7	SW	4	W	5	16:00	19	241	28.2	323	OM	29.92	29.86	29.89	OM	OM	0		
8	V	2	W	4	15:00	14	467	54.7	446	OM	29.92	29.84	29.88	OM	OM	0		
9	W	3	W	7	14:00	16	550	65.3	531	OM	29.90	29.84	29.87	OM	OM	0		
10	SW	2	SW	8	19:00	21	458	53.6	538	OM	29.98	29.84	29.91	OM	OM	0		
11	V	3	W	5	16:00	29	615	71.8	589	OM	30.10	29.95	30.02	OM	OM	0		
12	V	2	SW	3	16:00	17	402	47.0	527	OM	30.14	30.05	30.10	OM	OM	0		
13	V	1	V	2	13:00	9	614	71.7	600	OM	30.15	30.09	30.12	OM	OM	0		
14	V	1	SW	3	13:00	12	607	70.8	608	OM	30.18	30.10	30.14	OM	OM	0		
15	V	0	W	3	12:00	11	752	87.7	651	OM	30.15	30.08	30.11	OM	OM	0		
16	V	1	W	4	12:00	14	744	86.8	601	OM	30.09	30.01	30.05	OM	OM	0		
17	V	1	NW	5	8:00	12	723	84.3	664	OM	30.05	29.96	30.01	OM	OM	0		
18	N	2	W	3	5:00	12	764	89.0	642	OM	30.05	29.98	30.01	OM	OM	0		
19	V	3	NW	4	15:00	14	742	86.5	650	OM	30.04	29.96	30.00	OM	OM	0		
20	V	0	SW	5	14:00	16	684	79.7	605	OM	30.05	29.98	30.01	OM	OM	0		
21	SW	1	SW	5	13:00	18	685	79.9	615	OM	30.05	29.97	30.01	OM	OM	0		
22	SW	1	W	5	11:00	14	703	81.9	544	OM	30.03	29.96	29.99	OM	OM	0		
23	V	2	N	5	23:00	21	737	85.9	617	OM	30.07	29.96	30.01	OM	OM	0		
24	N	4	SW	5	15:00	16	689	80.3	580	OM	30.17	30.05	30.11	OM	OM	0		
25	V	2	W	3	15:00	17	578	67.4	565	OM	30.17	30.04	30.10	OM	OM	0		
26	N	4	N	6	16:00	16	573	66.8	586	OM	30.10	30.00	30.05	OM	OM	0		
27	N	5	V	4	0:00	15	474	55.2	695	OM	30.11	30.03	30.07	OM	OM	0		
28	E	4	E	7	14:00	17	321	37.5	533	OM	30.20	30.11	30.15	OM	OM	0		
29	E	4	E	5	10:00	17	528	61.6	657	OM	30.30	30.17	30.24	OM	OM	0		
30	V	2	V	3	16:00	13	533	62.2	575	OM	30.20	30.05	30.13	OM	OM	0		
TOTAL							16899		16776	0						0		
MEAN	2	4		16	563			559	0	30.08	29.99	30.03	0.0	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

AUDURN, ALABAMA

DAILY TEMPERATURE NORMAL AND EXTREMES
JUNE

DAY	DAILY NORMAL			RECORD TEMPERATURES	
	MAXIMUM	MINIMUM	DAY MEAN	HIGH YEAR	LOW YEAR
1	89	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 1933
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	59 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 1981

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	97	66	79	-1	0	34	24	OM	102	63	108	67	88	OM	OM	OM	108	79	94	103	82	93	96	83	90	
2	94	66	75	-5	0	30	20	OM	91	65	94	68	81	OM	OM	OM	94	73	84	91	76	84	88	79	84	
3	73	68	71	-9	0	26	16	OM	75	66	84	68	76	OM	OM	OM	80	71	76	80	73	77	80	75	78	
4	81	65	73	-7	0	28	18	OM	96	62	91	65	78	OM	OM	OM	86	69	78	84	72	78	81	75	78	
5	89	71	80	1	0	35	25	OM	101	71	104	73	89	OM	OM	OM	107	74	91	99	74	87	91	75	83	
6	95	70	78	-1	0	33	23	OM	96	68	100	70	85	OM	OM	OM	93	73	83	88	75	82	85	77	81	
7	87	67	77	-2	0	32	22	OM	97	65	100	68	84	OM	OM	OM	91	71	81	89	73	81	84	75	80	
8	93	75	84	4	0	39	29	OM	104	71	107	74	91	OM	OM	OM	100	76	88	94	78	86	88	76	82	
9	96	75	86	6	0	41	31	OM	104	72	108	76	92	OM	OM	OM	106	78	92	101	81	91	94	79	87	
10	94	74	84	4	0	39	29	OM	102	72	107	75	91	OM	OM	OM	104	77	91	99	80	90	92	82	87	
11	96	71	84	4	0	39	29	OM	105	69	109	72	91	OM	OM	OM	110	77	94	104	80	92	97	82	90	
12	92	72	82	2	0	37	27	OM	109	69	103	73	88	OM	OM	OM	111	80	96	104	80	92	97	82	90	
13	95	74	85	5	0	40	30	OM	104	71	108	75	92	OM	OM	OM	112	82	97	106	84	95	99	84	92	
14	95	77	86	6	0	41	31	OM	103	73	109	77	93	OM	OM	OM	111	83	97	106	86	96	100	87	94	
15	97	75	86	6	0	41	31	OM	106	71	110	76	93	OM	OM	OM	112	83	98	107	86	97	100	87	94	
16	97	75	86	6	0	41	31	OM	107	72	111	76	94	OM	OM	OM	112	84	98	107	87	97	101	88	95	
17	98	75	87	7	0	42	32	OM	108	73	111	76	94	OM	OM	OM	111	84	98	106	87	97	101	88	95	
18	99	70	84	4	0	39	29	OM	109	67	113	72	93	OM	OM	OM	111	83	97	106	86	96	101	88	95	
19	99	73	86	6	0	41	31	OM	106	70	112	73	93	OM	OM	OM	113	84	99	108	87	98	102	88	95	
20	95	72	84	4	0	39	29	OM	104	70	114	73	94	OM	OM	OM	109	80	95	103	83	93	97	85	91	
21	93	72	85	5	0	40	30	OM	106	69	110	73	92	OM	OM	OM	110	82	96	106	85	96	100	86	93	
22	94	71	84	4	0	39	29	OM	105	68	109	71	90	OM	OM	OM	112	79	96	107	83	95	100	86	93	
23	97	71	84	4	0	39	29	OM	106	67	112	70	91	OM	OM	OM	111	80	96	107	84	96	100	86	93	
24	99	69	84	4	0	39	29	OM	109	66	113	70	92	OM	OM	OM	114	82	98	107	86	97	101	87	94	
25	100	74	87	7	0	42	32	OM	109	72	115	75	95	OM	OM	OM	114	85	100	108	88	98	102	88	95	
26	96	71	84	4	0	39	29	OM	104	68	109	72	91	OM	OM	OM	112	83	99	105	87	96	100	89	95	
27	99	71	85	5	0	40	30	OM	107	70	112	73	93	OM	OM	OM	113	78	96	107	82	95	101	85	93	
28	96	73	85	5	0	40	30	OM	106	71	109	74	92	OM	OM	OM	101	78	90	98	81	90	94	84	89	
29	96	73	85	5	0	40	30	OM	107	71	111	74	93	OM	OM	OM	108	81	95	103	84	94	97	84	91	
30	96	71	84	4	0	39	29	OM	105	70	110	73	92	OM	OM	OM	104	77	91	99	80	90	95	82	89	
31	90	65	78	-2	0	33	23	OM	102	65	105	67	86	OM	OM	OM	96	72	84	93	75	84	89	78	84	

TOTAL: 0 1167 857 0 3178 2137
 MEAN: 93.4 71.4 82.4 2.8 0.0 37.6 27.6 0.0102.5 68.9107.0 72.2 89.6 0.0 0.0 0.0105.7 78.6 92.2100.8 81.5 91.1 95.3 82.9 89.1

TEMPERATURE EXTREMES: HIGHEST 100 ON DAYS 25,
 LOWEST 65 ON DAYS 4, 31.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 25 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.
 HOURS BEGINNING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - JULY 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING		
	WATER EQUI- VALENT (IN.)	OPY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	(DEG F) MEAN	MILES MOVEMENT	AIR INCHES EVAP.	RELATIVE HUMIDITY (%)							SOURCE
									1 AM	7 AM	1 PM	7 PM	MEAN	HRS			
1	0.0	19	0.0 M	0.0 M	91	69	80	30	0.326	66	76	65	85	73	0		
2	0.08	20	0.0 M	0.0 M	79	65	72	52	0.141	97	97	94	94	96	13	RAIN	
3	0.13	21	0.0 M	0.0 M	72	65	69	66	0.049	90	94	72	88	86	16	RAIN	
4	0.0	22	0.0 M	0.0 M	79	66	73	30	0.130	97	97	61	85	85	14	DEW	
5	0.0	23	0.0 M	0.0 M	92	68	80	54	0.298	100	94	100	100	99	12	DEW	
6	0.77	0	0.0 M	0.0 M	82	71	77	49	0.184	90	94	97	100	95	2	RAIN	
7	0.39	0	0.0 M	0.0 M	88	69	79	37	0.130	100	94	58	77	82	20	RAIN	
8	0.0	1	0.0 M	0.0 M	95	75	85	27	0.290	85	75	53	63	69	1	DEW	
9	0.0	2	0.0 M	0.0 M	96	74	85	53	0.377	82	85	60	85	78	0		
10	0.0	3	0.0 M	0.0 M	92	74	83	39	0.237	85	80	48	91	76	1	DEW	
11	0.03	4	0.0 M	0.0 M	96	72	84	42	0.263	97	94	66	77	84	13	DEW RAIN	
12	0.0	5	0.0 M	0.0 M	97	73	85	33	0.284	100	91	58	78	82	9	DEW	
13	0.0	6	0.0 M	0.0 M	98	76	87	34	0.285	88	85	55	75	76	1	DEW	
14	0.0	7	0.0 M	0.0 M	96	75	86	54	0.330	94	80	57	70	75	4	DEW	
15	0.0	8	0.0 M	0.0 M	96	74	85	49	0.334	88	78	56	70	73	1	DEW	
16	0.0	9	0.0 M	0.0 M	95	78	87	41	0.380	88	77	51	68	71	4	DEW	
17	0.0	10	0.0 M	0.0 M	94	77	86	50	0.411	91	75	50	64	70	4	DEW	
18	0.0	11	0.0 M	0.0 M	95	73	84	50	0.388	88	80	47	55	68	4	DEW	
19	0.0	12	0.0 M	0.0 M	96	74	85	49	0.401	88	91	82	82	86	4	DEW	
20	0.10	13	0.0 M	0.0 M	93	75	84	37	0.261	100	91	55	85	83	7	DEW RAIN	
21	0.0	14	0.0 M	0.0 M	95	72	84	71	0.421	97	67	49	65	70	5	DEW	
22	0.03	15	0.0 M	0.0 M	94	72	83	58	0.369	97	70	42	52	65	9	RAIN	
23	0.0	16	0.0 M	0.0 M	95	68	82	56	0.393	67	67	35	51	55	0		
24	0.0	17	0.0 M	0.0 M	97	70	84	32	0.343	74	67	39	58	60	0		
25	0.0	18	0.0 M	0.0 M	99	72	86	54	0.360	85	77	48	68	70	0		
26	0.0	19	0.0 M	0.0 M	93	75	84	38	0.383	91	77	47	94	77	6	DEW	
27	0.46	0	0.0 M	0.0 M	95	72	84	44	0.320	97	88	56	73	79	16	RAIN	
28	0.0	1	0.0 M	0.0 M	95	75	85	36	0.330	94	85	54	75	77	6	DEW	
29	0.0	2	0.0 M	0.0 M	94	75	85	46	0.300	88	88	72	100	87	3	DEW	
30	1.10	0	0.0 M	0.0 M	90	73	82	0M	0.350	100	97	68	97	91	0	RAIN	
31	0.36	0	0.0 M	0.0 M	91	68	80	0M	0.190	93	97	87	87	91	0	RAIN	
TOTAL	3.45							1311	9.258								
MEAN		0.0			92.3	72.1	82.2	45	0.299	90	84	61	78	78	6		

NORMAL PRECIPITATION FOR MONTH IS 5.38 INCHES; 24 HOUR MAXIMUM = 1.10 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 10; 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 - JULY 1981

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-AGE	TYPE OF FRONT
	DIR.	AVER. SPEED	DIR.	AVER. SPEED					MAX	MIN	MEAN	MAX	MIN				
1	V	1	W	3	13:00	14	4	0.5	213	OM	30.05	29.98	30.01	OM	OM	0	
2	SE	3	SE	3	12:00	14	1	0.1	130	OM	30.09	30.00	30.04	OM	OM	0	
3	E	4	SE	4	4:00	12	54	6.3	259	OM	30.11	30.07	30.09	OM	OM	0	
4	V	1	V	3	13:00	12	426	49.9	561	OM	30.11	30.00	30.05	OM	OM	0	
5	V	3	S	4	12:00	22	57	6.7	OM	OM	30.00	29.95	29.97	OM	OM	1	
6	S	1	SW	4	13:00	18	84	9.8	326	OM	30.11	30.00	30.05	OM	OM	1	
7	V	1	V	3	15:00	11	531	62.3	641	OM	30.20	30.10	30.15	OM	OM	0	
8	N	2	NW	6	14:00	19	396	46.5	616	OM	30.23	30.14	30.18	OM	OM	0	
9	N	4	N	5	13:00	13	116	13.6	415	OM	30.17	30.06	30.11	OM	OM	0	
10	N	3	V	4	15:00	18	480	56.5	511	OM	30.10	29.99	30.04	OM	OM	0	
11	V	3	SW	4	0:00	14	618	72.8	607	OM	30.09	30.00	30.04	OM	OM	1	
12	V	1	NW	4	12:00	12	555	65.4	578	OM	30.14	30.06	30.10	OM	OM	0	
13	V	1	NW	5	10:00	15	628	74.1	567	OM	30.12	30.00	30.06	OM	OM	0	
14	V	2	N	5	11:00	17	608	71.8	625	OM	30.04	29.93	29.98	OM	OM	0	
15	V	2	NW	5	13:00	14	614	72.6	574	OM	30.00	29.92	29.96	OM	OM	0	
16	V	1	NW	5	16:00	18	589	69.8	575	OM	29.99	29.90	29.94	OM	OM	0	
17	V	2	V	5	21:00	21	579	68.6	557	OM	29.98	29.88	29.93	OM	OM	0	
18	V	3	V	4	16:00	15	702	83.4	631	OM	30.02	29.93	29.97	OM	OM	0	
19	V	3	V	4	13:00	25	530	62.9	511	OM	30.07	29.99	30.03	OM	OM	1	
20	V	1	NW	5	17:00	17	599	71.3	585	OM	30.03	29.94	29.99	OM	OM	0	
21	V	4	NW	6	21:00	27	709	84.5	644	OM	29.96	29.87	29.91	OM	OM	0	
22	V	3	NW	6	17:00	15	703	83.9	643	OM	30.00	29.91	29.96	OM	OM	0	
23	N	4	V	4	15:00	14	715	85.4	644	OM	30.04	29.97	30.00	OM	OM	0	
24	V	1	SW	3	22:00	21	644	77.1	615	OM	30.14	30.01	30.07	OM	OM	0	
25	V	3	V	4	14:00	16	505	60.6	532	OM	30.16	30.06	30.11	OM	OM	0	
26	V	1	SW	4	18:00	21	568	68.2	576	OM	30.20	30.12	30.16	OM	OM	1	
27	V	2	W	3	12:00	13	518	62.3	550	OM	30.24	30.12	30.18	OM	OM	0	
28	V	1	W	4	12:00	14	458	55.2	516	OM	30.21	30.06	30.13	OM	OM	0	
29	V	2	V	3	16:00	30	403	48.7	OM	OM	30.08	29.98	30.03	OM	OM	0	
30	V	1	V	4	17:00	15	326	39.4	428	OM	30.12	30.02	30.07	OM	OM	1	
31	E	4	NE	5	20:00	14	0	0.0	146	OM	30.21	30.06	30.13	OM	OM	0	
TOTAL						13720		14776	0							6	
MEAN	2		4		17	443		510	0	30.10	30.00	30.05	0.0	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	69	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	69	80	105	1930	63	1947
9	91	69	80	105	1930	59	1947
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	69	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 FAHRENHEIT.
 NORMALS FOR PERIOD 1941-70. RECORDS BEGIN WITH 1906 DATA.

AGROCLIMATOLOGICAL DATA - AUGUST 1981

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	150 CM SHFLTR TEMPERATURES				DEGREEF 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	74	66	70	-10	0	25	15	OM	75	67	78	70	74	OM	OM	OM	80	72	76	79	74	77	79	75	77
2	70	70	75	-5	0	30	20	OM	85	68	88	71	80	OM	OM	OM	81	73	77	80	74	77	79	75	77
3	89	66	77	-3	0	32	22	OM	98	64	102	67	85	OM	OM	OM	95	72	84	92	75	84	87	76	82
4	92	69	81	1	0	36	26	OM	101	67	105	70	89	OM	OM	OM	104	75	90	99	78	89	92	77	85
5	95	71	83	3	0	38	28	OM	101	69	108	72	90	OM	OM	OM	110	78	94	104	81	93	96	81	89
6	91	72	82	2	0	37	27	OM	100	70	108	73	91	OM	OM	OM	107	79	93	101	82	92	95	84	89
7	91	73	82	2	0	37	27	OM	101	71	106	74	90	OM	OM	OM	106	79	93	101	82	92	94	83	89
8	89	72	81	1	0	36	26	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	96	OM	OM	OM	OM	OM
9	85	70	78	-2	0	33	23	OM	91	68	93	71	82	OM	OM	OM	91	74	83	89	77	83	85	78	82
10	91	73	82	2	0	37	27	OM	95	70	101	73	87	OM	OM	OM	97	77	87	92	78	85	88	78	83
11	89	70	80	0	0	35	25	OM	99	68	104	71	88	OM	OM	OM	97	74	86	95	76	86	88	78	83
12	90	70	80	0	0	35	25	OM	100	69	104	72	88	OM	OM	OM	100	75	88	97	78	88	91	79	85
13	90	67	79	-1	0	34	24	OM	102	66	106	69	88	OM	OM	OM	102	72	87	98	75	87	91	78	85
14	91	70	81	1	0	36	26	OM	99	67	105	70	88	OM	OM	OM	96	74	85	94	77	86	89	78	84
15	90	69	80	0	0	35	25	OM	99	67	107	70	89	OM	OM	OM	96	74	85	91	76	84	87	78	83
16	92	72	82	2	0	37	27	OM	102	69	108	72	90	OM	OM	OM	102	77	90	98	79	89	92	79	86
17	94	71	83	3	0	38	28	OM	101	69	108	72	90	OM	OM	OM	107	78	93	102	80	91	95	81	88
18	94	72	83	3	0	38	28	OM	103	72	109	74	92	OM	OM	OM	110	80	95	104	83	94	97	83	90
19	78	66	72	-8	0	27	17	OM	82	65	87	68	78	OM	OM	OM	89	74	82	88	76	82	87	79	83
20	80	66	73	-7	0	28	18	OM	87	67	92	69	81	OM	OM	OM	91	74	83	87	76	82	84	78	81
21	74	69	72	-8	0	27	17	OM	76	67	77	70	74	OM	OM	OM	79	71	75	79	73	76	79	75	77
22	74	67	71	-8	0	26	16	OM	81	65	85	67	76	OM	OM	OM	77	69	73	77	71	74	76	73	75
23	81	67	74	-5	0	29	19	OM	85	66	90	69	80	OM	OM	OM	88	70	79	83	71	77	83	71	77
24	80	62	71	-8	0	26	16	OM	85	58	89	62	76	OM	OM	OM	87	66	77	84	69	77	81	72	77
25	86	67	77	-2	0	32	22	OM	95	64	99	67	83	OM	OM	OM	95	71	83	91	70	81	86	72	79
26	92	67	80	1	0	35	25	OM	98	64	104	67	86	OM	OM	OM	101	73	87	96	76	86	89	76	83
27	89	67	78	-1	0	33	23	OM	95	65	103	67	85	OM	OM	OM	104	72	88	98	76	87	91	78	85
28	84	68	76	-3	0	31	21	OM	92	65	99	68	84	OM	OM	OM	98	72	85	93	75	84	88	78	83
29	89	73	81	2	0	36	26	OM	97	70	106	73	90	OM	OM	OM	104	77	91	98	78	88	91	78	85
30	86	70	78	-1	0	33	23	OM	95	67	103	70	87	OM	OM	OM	100	77	89	95	79	87	90	81	86
31	88	71	80	1	0	35	25	OM	100	69	104	72	88	OM	OM	OM	97	74	86	92	76	84	87	78	83

TOTAL 0 1027 717 0 2820 2013
 MEAN 86.6 69.1 77.9 -1.4 0.0 33.1 23.1 0.0 94.0 67.1 99.3 70.0 84.6 0.0 0.0 0.0 96.4 74.1 85.2 92.7 76.4 84.5 87.9 77.7 82.8

TEMPERATURE EXTREMES: HIGHEST 95 ON DAYS 5,
 LOWEST 62 ON DAYS 24.

TEMPERATURE: 0 DAYS WITH MAXIMUM 32 DEGREES OR BELOW; 13 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.

AGROCLIMATOLOGICAL DATA - AUGUST 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION					HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING	
	WATER EQUIV- VALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES MOVEMENT	AIR INCHES	EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN	HRS
1	0.0	1	0.0 M	0.0 M	75	68	72	0M	0.108	93	90	85	88	89	0	
2	0.0	2	0.0 M	0.0 M	78	69	74	0M	0.158	97	97	61	79	84	3	DEW
3	0.01	3	0.0 M	0.0 M	92	71	82	0M	0.318	93	97	61	79	83	4	DEW
4	0.0	4	0.0 M	0.0 M	95	74	85	0M	0.314	94	88	60	77	80	9	DEW
5	0.0	5	0.0 M	0.0 M	98	76	87	0M	0.338	91	85	66	75	79	5	DEW
6	0.01	6	0.0 M	0.0 M	95	75	85	0M	0.292	91	80	62	82	81	7	DEW RAIN
7	0.0	7	0.0 M	0.0 M	94	75	85	38	0.250	88	88	6M	8M	8M	10	DEW RAIN
8	0.74	0	0.0 M	0.0 M	0M	0M	0M	59	0.177	0M	0M	72	90	0M	0	
9	0.11	1	0.0 M	0.0 M	88	71	80	26	0.156	90	90	62	80	81	14	RAIN
10	0.0	2	0.0 M	0.0 M	94	74	84	34	0.211	91	88	66	88	83	9	DEW
11	0.10	3	0.0 M	0.0 M	93	72	83	24	0.172	90	85	62	77	79	18	RAIN
12	0.0	4	0.0 M	0.0 M	96	72	84	44	0.259	90	87	62	87	82	8	DEW
13	0.10	5	0.0 M	0.0 M	94	70	82	26	0.174	90	82	66	79	79	17	FOG RAIN
14	0.29	0	0.0 M	0.0 M	92	72	82	26	0.206	90	85	80	82	84	13	RAIN
15	0.01	1	0.0 M	0.0 M	93	74	84	15	0.157	87	85	56	77	76	12	FOG RAIN
16	0.0	2	0.0 M	0.0 M	97	76	87	21	0.233	88	88	54	74	76	6	DEW
17	0.0	3	0.0 M	0.0 M	97	74	86	39	0.264	85	79	58	82	76	8	DEW
18	0.0	4	0.0 M	0.0 M	98	74	86	52	0.257	82	85	77	82	82	0	
19	0.0	5	0.0 M	0.0 M	80	66	73	67	0.108	81	84	74	79	80	2	RAIN
20	0.0	6	0.0 M	0.0 M	80	67	74	27	0.090	76	76	84	87	81	3	RAIN
21	0.56	0	0.0 M	0.0 M	74	68	71	38	0.045	84	82	76	76	80	17	RAIN
22	0.07	1	0.0 M	0.0 M	74	66	70	70	0.070	79	84	65	85	78	6	RAIN
23	0.01	2	0.0 M	0.0 M	83	66	75	27	0.106	84	82	67	82	79	4	DEW RAIN
24	0.13	3	0.0 M	0.0 M	84	64	74	37	0.139	84	79	57	76	74	10	DEW
25	0.0	4	0.0 M	0.0 M	91	66	79	20	0.196	79	79	50	74	71	5	DEW
26	0.0	5	0.0 M	0.0 M	93	70	82	15	0.186	84	77	52	71	71	7	DEW
27	0.0	6	0.0 M	0.0 M	92	67	80	50	0.230	76	74	59	82	73	0	
28	0.0	7	0.0 M	0.0 M	86	67	77	49	0.159	73	76	55	74	70	0	
29	0.0	8	0.0 M	0.0 M	92	69	81	47	0.210	76	85	65	79	76	6	DEW
30	0.01	9	0.0 M	0.0 M	90	72	81	37	0.120	84	85	64	85	80	6	RAIN
31	1.52	0	0.0 M	0.0 M	91	71	81	23	0.130	91	85	61	79	79	16	RAIN
TOTAL	3.62							911	5.833							
MEAN		0.0			89.3	70.5	79.9	36	0.188	86	85	65	80	79	7	

NORMAL PRECIPITATION FOR MONTH IS 4.07 INCHES; 24 HOUR MAXIMUM = 1.52 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 14; 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 - AUGUST 1981

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 IN INCHES	PRESSURE MEAN	MIXING RATIO**	D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS-AGE	TYPE OF FRONT			
	PREV. DIR.	AVER. SPEED	PREV. DIR.	AVER. SPEED	HR. SPEED				MAX	MIN	MEAN	MAX	MIN	S					
1	NE	4	NE	4	0:00	11	60	7.3	198	OM	30.22	30.13	30.18	OM	OM	0			
2	NE	3	SW	2	13:00	12	489	59.5	503	OM	30.12	30.00	30.06	OM	OM	0			
3	V	1	V	2	19:00	10	268	32.6	460	OM	30.07	30.00	30.04	OM	OM	0			
4	V	1	V	2	14:00	9	OM	0.0M	548	OM	30.14	30.06	30.10	OM	OM	0			
5	V	1	S	3	14:00	12	OM	0.0M	505	OM	30.16	30.09	30.13	OM	OM	0			
6	V	1	SW	4	12:00	14	OM	0.0M	409	OM	30.11	29.98	30.04	OM	OM	0			
7	V	1	W	OM	0:00M	OM	OM	0.0M	OM	OM	29.96	29.83	29.90	OM	OM	0			
8	V	OM	SW	3	0:00M	OM	OM	0.0M	OM	OM	29.96	29.84	29.90	OM	OM	0			
9	V	1	S	2	19:00	11	OM	0.0M	458	OM	30.11	29.96	30.04	OM	OM	0			
10	F	2	M	3	14:00	18	OM	0.0M	345	OM	30.19	30.11	30.15	OM	OM	0			
11	M	1	M	3	18:00	19	OM	0.0M	544	OM	30.17	30.05	30.11	OM	OM	0			
12	M	3	M	3	15:00	21	OM	0.0M	394	OM	30.09	30.02	30.05	OM	OM	0			
13	M	1	M	2	20:00	21	OM	0.0M	438	OM	30.14	30.08	30.11	OM	OM	0			
14	M	2	M	2	13:00	10	OM	0.0M	402	OM	30.16	30.08	30.12	OM	OM	0			
15	M	0	M	2	13:00	13	OM	0.0M	527	OM	30.09	29.95	30.02	OM	OM	0			
16	M	1	M	4	20:00	16	OM	0.0M	503	OM	29.98	29.83	29.90	OM	OM	0			
17	M	2	M	3	15:00	16	OM	0.0M	522	OM	29.92	29.84	29.88	OM	OM	0			
18	M	4	NE	4	15:00	14	OM	0.0M	160	OM	29.96	29.89	29.93	OM	OM	0			
19	NE	4	NE	3	2:00	12	OM	0.0M	211	OM	29.95	29.89	29.92	OM	OM	0			
20	V	2	V	3	6:00	11	OM	0.0M	129	OM	30.00	29.93	29.96	OM	OM	0			
21	NE	3	E	3	17:00	15	OM	0.0M	139	OM	30.09	29.99	30.04	OM	OM	0			
22	F	3	E	3	1:00	14	OM	0.0M	291	OM	30.13	30.07	30.10	OM	OM	0			
23	V	1	E	4	15:00	13	OM	0.0M	312	OM	30.13	30.07	30.10	OM	OM	0			
24	F	2	SE	3	14:00	11	452	57.5	527	OM	0.0 M	0.0 M	0.0 M	OM	OM	0			
25	E	1	E	2	16:00	9	509	64.9	445	OM	0.0 M	0.0 M	0.0 M	OM	OM	0			
26	V	1	V	4	12:00	13	544	69.5	483	OM	30.06	30.00	30.03	OM	OM	0			
27	F	3	SE	5	8:00	15	421	53.9	390	OM	30.09	30.01	30.05	OM	OM	0			
28	V	2	V	5	14:00	14	OM	0.0M	OM	OM	30.12	30.05	30.08	OM	OM	0			
29	V	2	V	4	9:00	10	OM	0.0M	OM	OM	30.11	30.01	30.06	OM	OM	0			
30	V	1	V	2	19:00	16	OM	0.0M	OM	OM	30.04	29.94	29.99	OM	OM	1			
31	V	1	V	3	8:00	9	OM	0.0M	OM	OM	30.03	29.93	29.98	OM	OM	0			
TOTAL							2743		9843	0						1			
MEAN		2		3		13	392		394	0	30.08	29.99	30.03	0.0	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	69	80	99	1937	60	1976
10	91	69	80	103	1980	60	1900
11	91	68	80	100	1956	61	1954
12	91	68	80	100	1956	61	1931
13	91	69	80	102	1954	59	1979
14	91	69	80	103	1954	59	1979
15	91	68	80	102	1954	58	1963
16	91	69	80	99	1954	62	1929
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	1937	58	1927
22	91	67	79	99	1924	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 1981

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA				(IN DEGREES FARENHEIT)									SOIL TEMPERATURE DATA											
	150 CM SHELTER TEMPERATURES				DEGRFF	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	88	72	80	2	0	35	25	04	95	70	102	74	88	0M	0M	0M	94	76	85	91	78	85	86	78	82
2	87	67	77	-1	0	32	22	04	96	65	103	68	86	0M	0M	0M	94	72	83	89	74	82	84	76	80
3	89	68	79	1	0	34	24	04	97	73	102	69	86	0M	0M	0M	95	73	84	91	75	83	85	76	81
4	86	69	78	0	0	33	23	04	95	68	99	71	85	0M	0M	0M	92	74	83	88	76	82	84	77	81
5	87	70	79	1	0	34	24	04	97	68	100	71	86	0M	0M	0M	93	73	83	89	76	83	85	77	81
6	87	69	78	0	0	33	23	04	96	67	102	70	86	0M	0M	0M	94	72	83	92	75	84	87	77	82
7	88	67	78	1	0	33	23	04	97	65	102	68	85	0M	0M	0M	97	73	85	94	75	85	88	71	80
8	89	69	79	2	0	34	24	04	97	65	101	70	86	0M	0M	0M	99	73	86	94	76	85	89	78	84
9	87	62	75	-2	0	30	20	04	95	59	100	62	81	0M	0M	0M	99	67	83	95	72	84	88	76	82
10	85	63	74	-3	0	29	19	04	93	59	98	62	80	0M	0M	0M	104	68	86	98	68	83	91	76	84
11	84	65	77	0	0	32	22	04	96	60	104	64	84	0M	0M	0M	103	71	87	98	74	86	90	76	83
12	90	65	78	2	0	33	23	04	96	61	106	65	86	0M	0M	0M	106	73	90	100	77	89	93	78	86
13	92	67	80	4	0	35	25	04	102	64	108	67	88	0M	0M	0M	107	75	91	100	77	89	92	79	86
14	92	68	79	3	0	34	24	04	100	63	104	67	86	0M	0M	0M	103	75	89	97	78	88	91	80	86
15	90	67	79	3	0	34	24	04	98	64	105	68	87	0M	0M	0M	107	77	92	101	80	91	94	80	87
16	83	68	76	1	0	31	21	04	87	67	91	69	80	0M	0M	0M	93	73	83	90	75	83	86	77	82
17	83	59	71	-4	0	26	16	04	91	55	96	58	77	0M	0M	0M	89	64	77	86	68	77	83	72	78
18	78	48	63	-12	2	18	8	04	85	46	88	49	69	0M	0M	0M	85	56	71	82	61	72	79	65	72
19	72	45	59	-16	6	14	4	04	80	42	84	45	65	0M	0M	0M	85	55	70	82	60	71	77	64	71
20	73	48	61	-13	4	16	6	04	82	44	86	48	67	0M	0M	0M	88	58	73	83	62	73	78	64	71
21	77	54	66	-8	0	21	11	04	86	50	90	54	72	04	04	0M	91	60	76	86	62	74	80	65	73
22	81	53	67	-7	0	22	12	04	90	49	96	52	74	0M	0M	0M	94	61	78	89	65	77	82	68	75
23	85	62	74	1	0	29	19	04	93	57	97	61	79	0M	0M	0M	98	64	81	92	66	79	85	69	77
24	87	60	74	1	0	29	19	04	95	57	100	60	80	0M	0M	0M	100	66	83	94	70	82	87	71	79
25	85	60	73	0	0	28	18	04	92	55	98	59	79	0M	0M	0M	97	66	82	91	70	81	85	73	79
26	87	57	72	0	0	27	17	04	93	53	101	56	79	0M	0M	0M	101	65	83	95	70	83	87	73	80
27	86	59	73	1	0	28	18	04	93	55	100	59	80	0M	0M	0M	100	67	84	94	70	82	87	73	80
28	88	61	75	3	0	30	20	04	95	57	100	61	81	0M	0M	0M	100	69	85	95	72	84	88	74	81
29	90	57	74	3	0	29	19	04	95	55	99	58	79	0M	0M	0M	101	65	83	95	70	83	88	74	81
30	98	58	73	2	0	28	18	04	96	54	103	58	81	0M	0M	0M	101	66	84	95	71	83	88	74	81

TOTAL 12 871 571 0 2803 1767
 MEAN 85.5 61.9 73.7 -1.2 0.4 29.0 19.0 0.0 93.4 58.9 98.8 62.1 80.5 0.0 0.0 0.0 97.0 68.2 82.6 92.2 71.4 81.8 86.2 73.7 80.0

TEMPERATURE EXTREMES: HIGHEST 92 ON DAYS 13,
 LOWEST 45 ON DAYS 19.

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 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION				HYGROTHERMOGRAPH DATA					VEGETATIVE WETTING		
	WATER EQUIVALENT (IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES MOVEMENT	AIR INCHES EVAP.	1 AM	7 AM	1 PM	7 PM	MEAN HRS	SOURCE	
1	0.01	1	0.0	M 0.0	M 91	73	82	27	0.154	87	84	63	84	80	14	RAIN
2	0.55	0	0.0	M 0.0	M 87	70	79	28	0.131	87	87	62	79	79	17	RAIN
3	0.0	1	0.0	M 0.0	M 91	70	81	25	0.158	84	87	64	79	79	9	DEW
4	0.0	2	0.0	M 0.0	M 91	72	82	19	0.090	87	87	62	79	79	10	DEW
5	0.0	3	0.0	M 0.0	M 92	72	87	35	0.210	84	81	62	79	77	10	DEW
6	0.02	4	0.0	M 0.0	M 94	71	83	31	0.165	87	81	56	81	76	12	RAIN DEW
7	0.0	5	0.0	M 0.0	M 95	71	83	28	0.180	84	81	55	81	75	10	DEW
8	0.02	6	0.0	M 0.0	M 94	72	83	20	0.155	84	78	51	68	70	10	RAIN
9	0.0	7	0.0	M 0.0	M 92	63	78	59	0.146	75	67	45	61	62	3	DEW
10	0.0	8	0.0	M 0.0	M 89	62	76	54	0.257	60	87	51	78	69	0	
11	0.0	9	0.0	M 0.0	M 89	64	77	28	0.199	81	73	48	76	70	9	DEW
12	0.0	10	0.0	M 0.0	M 92	70	81	23	0.225	81	78	46	76	70	11	DEW
13	0.0	11	0.0	M 0.0	M 92	70	81	18	0.197	73	78	51	73	69	2	DEW
14	0.0	12	0.0	M 0.0	M 89	71	80	20	0.177	84	81	46	71	71	10	DEW
15	0.0	13	0.0	M 0.0	M 92	72	82	33	0.260	81	81	84	87	83	9	DEW RAIN
16	1.23	0	0.0	M 0.0	M 84	69	77	0M	0.036	87	84	60	73	76	23	RAIN
17	0.02	1	0.0	M 0.0	M 85	61	73	0M	0.194	72	69	38	53	58	0	
18	0.0	2	0.0	M 0.0	M 80	51	66	0M	0.274	68	61	42	59	58	1	DEW
19	0.0	3	0.0	M 0.0	M 75	50	63	67	0.250	74	71	44	64	63	7	DEW
20	0.0	4	0.0	M 0.0	M 77	52	65	27	0.164	77	74	41	75	67	8	DEW
21	0.0	5	0.0	M 0.0	M 81	55	68	17	0.163	77	72	45	75	67	11	DEW
22	0.0	6	0.0	M 0.0	M 84	59	72	19	0.174	80	65	39	67	63	11	DEW
23	0.0	7	0.0	M 0.0	M 86	59	73	24	0.207	72	68	44	52	59	0	
24	0.0	8	0.0	M 0.0	M 88	59	74	63	0.252	60	78	56	78	68	0	
25	0.0	9	0.0	M 0.0	M 86	62	74	38	0.143	65	67	39	70	60	2	DEW
26	0.0	10	0.0	M 0.0	M 87	61	74	31	0.193	62	67	35	56	55	0	
27	0.0	11	0.0	M 0.0	M 86	61	74	30	0.203	69	73	49	70	65	0	
28	0.0	12	0.0	M 0.0	M 89	63	76	22	0.169	75	65	43	49	58	5	DEW
29	0.0	13	0.0	M 0.0	M 89	55	72	64	0.297	50	49	27	62	47	0	
30	0.0	14	0.0	M 0.0	M 86	58	72	36	0.213	58	65	31	61	54	0	
TOTAL	1.85							886	5.636							
MEAN		0.0			87.8	63.9	75.8	33	0.188	76	75	49	71	68	7	

NORMAL PRECIPITATION FOR MONTH IS 4.20 INCHES; 24 HOUR MAXIMUM = 1.23 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 - SEPTEMBER 1981

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	PERCENT OF	LANG-LEYS*	LANG-LEYS*	STATION PRESSURE IN INCHES		MIXING RATIO**		O LIGHTNING STROKES	OBSERVED OR REPORTED HAIL HI-WIND	TIME OF PASS-AGE	TYPE OF FRONT		
	PRFV DIR.	AVR. SPEED	PREV DIR.	AVR. SPEED	HR. SPEED	SUN-SHINE	POSSIBLE SUNSHINE	SOLAR RAD.	NET RAD.	MAX	MIN	MEAN	MAX					MIN	
1	M	1	M	3	16:00	13	0M	0.0M	0M	0M	29.99	29.90	29.94	0M	0M	1			
2	V	0	M	3	16:00	17	0M	0.0M	388	0M	29.99	29.91	29.95	0M	0M	0			
3	M	2	M	2	14:00	10	260	33.9	346	0M	30.02	29.94	29.98	0M	0M	0			
4	V	1	V	3	13:00	11	353	46.1	383	0M	30.02	29.94	29.98	0M	0M	0			
5	V	2	SF	3	12:00	9	414	54.3	419	0M	30.04	29.97	30.00	0M	0M	0			
6	V	1	SF	3	11:00	12	504	76.7	484	0M	30.08	29.99	30.04	0M	0M	0			
7	V	0	SW	2	16:00	10	550	72.5	420	0M	0.0 M	0.0 M	0.0 M	0M	0M	1			
8	V	2	NW	4	10:00	13	501	66.2	440	0M	0.0 M	0.0 M	0.0 M	0M	0M	0			
9	N	4	NW	3	9:00	13	720	95.2	605	0M	29.96	29.90	29.93	0M	0M	0			
10	NE	4	SE	3	10:00	10	502	66.7	454	0M	30.04	29.96	30.00	0M	0M	0			
11	V	1	V	3	12:00	22	632	84.2	507	0M	30.14	30.04	30.09	0M	0M	0			
12	V	0	V	2	13:00	14	539	71.9	435	0M	30.13	30.03	30.08	0M	0M	0			
13	V	1	V	2	12:00	10	356	47.7	382	0M	30.08	29.97	30.02	0M	0M	0			
14	V	1	V	4	13:00	13	0	0.0	498	0M	30.04	29.92	29.98	0M	0M	0			
15	V	1	NW	3	13:00	28	30	4.0	226	0M	29.98	29.93	29.95	0M	0M	1			
16	NW	2	NW	5	14:00	16	289	39.0	381	0M	30.06	29.93	29.99	0M	0M	0	1400 COLD		
17	NW	4	NW	6	8:00	16	648	87.7	518	0M	30.17	30.05	30.11	0M	0M	0			
18	N	4	NW	7	11:00	21	601	81.7	547	0M	30.22	30.14	30.18	0M	0M	0			
19	N	2	NW	4	12:00	13	645	87.8	501	0M	30.21	30.09	30.15	0M	0M	0			
20	V	1	V	2	15:00	10	504	68.8	462	0M	30.12	30.02	30.07	0M	0M	0			
21	V	0	V	2	13:00	10	537	73.4	468	0M	30.09	30.01	30.05	0M	0M	0			
22	V	1	NW	3	11:00	10	668	91.6	505	0M	30.11	30.01	30.06	0M	0M	0			
23	NW	1	N	5	8:00	15	557	76.6	481	0M	30.16	30.04	30.10	0M	0M	0			
24	NF	6	E	4	8:00	15	1	0.1	361	0M	30.25	30.15	30.20	0M	0M	0			
25	E	2	SE	3	11:00	11	335	46.3	464	0M	30.28	30.16	30.22	0M	0M	0			
26	F	2	E	3	13:00	13	509	70.6	487	0M	30.24	30.13	30.18	0M	0M	0			
27	F	1	V	2	12:00	11	100	13.9	442	0M	30.23	30.12	30.17	0M	0M	0			
28	NW	1	N	6	8:00	14	565	78.8	474	0M	30.19	30.09	30.14	0M	0M	0			
29	N	6	V	3	15:00	16	672	94.0	497	0M	30.16	30.09	30.13	0M	0M	0			
30	N	3	SW	3	13:00	12	663	93.0	477	0M	30.18	30.09	30.13	0M	0M	0			
TOTAL							12737		13052	0						3			
MEAN		2		3		14	455		450	0	30.11	30.02	30.07	0.0	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	79	100	1957	56	1952
4	89	66	78	104	1925	54	1952
5	89	66	78	108	1925	55	1934
6	89	66	79	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	1918
23	85	61	73	98	1940	48	1918
24	85	61	73	98	1921	49	1918
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.

AGROCLIMATOLOGICAL DATA - OCTOBER 1981

AUBURN, ALABAMA

DAY	AIR TEMPERATURE DATA (IN DEGREES FARENHEIT)											SOIL TEMPERATURE DATA													
	1.50 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	DN*	BELOW		ABOVE	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
					65	45	55																		
1	91	62	77	6	0	32	22	04	98	58	103	63	83	0M	0M	0M	99	68	84	96	71	84	88	74	81
2	89	62	76	5	0	31	21	0M	98	58	103	63	83	0M	0M	0M	99	69	84	94	72	83	88	76	82
3	70	44	62	-8	3	17	7	0M	88	42	92	44	68	0M	0M	0M	97	56	77	91	62	77	89	67	78
4	75	49	62	-8	3	17	7	0M	84	42	90	47	69	0M	0M	0M	94	58	76	88	62	75	82	67	75
5	81	54	68	-2	0	23	13	0M	90	49	94	53	74	0M	0M	0M	96	61	79	90	64	77	83	68	76
6	98	58	73	4	0	28	18	0M	102	57	60	52	56	0M	0M	0M	99	67	83	93	69	81	85	70	78
7	89	62	76	7	0	31	21	0M	97	61	103	64	84	0M	0M	0M	99	72	86	94	73	84	87	73	80
8	77	51	64	-4	1	19	9	0M	90	50	94	52	73	0M	0M	0M	92	62	77	88	66	77	82	70	76
9	60	51	56	-12	0	11	1	0M	63	52	67	54	61	0M	0M	0M	69	62	66	70	65	68	70	67	69
10	66	58	62	-6	3	17	7	0M	68	58	71	60	66	0M	0M	0M	68	63	66	69	65	67	69	66	68
11	65	57	61	-6	4	16	6	0M	64	57	67	60	64	0M	0M	0M	68	62	65	68	63	66	68	65	67
12	69	56	63	-4	2	18	8	0M	76	55	79	57	68	0M	0M	0M	73	60	67	71	62	67	69	64	67
13	77	54	66	0	0	21	11	0M	84	53	90	55	73	0M	0M	0M	81	56	69	77	60	69	73	63	68
14	71	49	60	-6	5	15	5	0M	79	46	81	49	65	0M	0M	0M	76	52	64	74	56	65	70	60	65
15	73	57	65	-1	0	20	10	0M	76	54	81	57	69	0M	0M	0M	77	58	68	74	58	66	69	59	64
16	76	54	65	0	0	20	10	0M	81	52	84	54	69	0M	0M	0M	79	58	69	76	61	69	72	63	68
17	82	60	71	6	0	26	16	0M	89	60	92	62	77	0M	0M	0M	88	64	76	83	61	72	77	63	70
18	83	63	73	9	0	28	18	0M	91	59	94	63	79	0M	0M	0M	91	65	78	86	68	77	80	67	74
19	72	43	58	-6	7	13	3	0M	73	41	75	43	59	0M	0M	0M	73	50	62	73	55	64	72	60	66
20	65	39	52	-12	13	7	0	0M	71	36	77	39	58	0M	0M	0M	81	47	64	77	53	65	71	58	65
21	72	47	60	-3	5	15	5	0M	79	40	83	44	64	0M	0M	0M	85	54	70	79	53	66	72	56	64
22	76	55	66	3	0	21	11	0M	87	52	92	57	75	0M	0M	0M	88	55	72	81	58	70	74	60	67
23	81	61	71	8	0	26	16	0M	86	57	91	61	76	0M	0M	0M	87	61	74	82	63	73	79	58	69
24	65	40	53	-9	12	8	0	0M	63	40	66	42	54	0M	0M	0M	69	47	58	69	51	60	69	51	60
25	57	41	49	-13	16	4	0	0M	63	42	66	44	55	0M	0M	0M	61	48	55	61	51	56	60	56	58
26	62	47	55	-7	10	10	0	0M	61	47	63	49	56	0M	0M	0M	60	52	56	59	54	57	59	57	58
27	70	49	60	-1	5	15	5	0M	70	46	73	48	61	0M	0M	0M	67	55	61	66	57	62	64	59	62
28	62	44	53	-8	12	8	0	0M	64	41	67	44	56	0M	0M	0M	66	50	58	64	53	59	63	55	59
29	75	53	64	4	1	19	9	0M	82	51	86	53	70	0M	0M	0M	77	55	66	72	57	65	67	57	62
30	77	53	65	5	0	20	10	0M	84	50	89	53	71	0M	0M	0M	77	54	66	73	57	65	68	59	64
31	70	54	62	2	3	17	7	0M	73	53	76	55	66	0M	0M	0M	70	57	64	68	57	63	66	59	63

TOTAL 114 573 276 0 2474 1559

MEAN 74.0 52.5 63.3 -1.9 3.7 18.5 8.9 0.0 79.8 50.3 82.2 52.9 67.6 0.0 0.0 0.0 80.8 58.0 69.4 77.6 60.5 69.1 73.7 62.8 68.3

TEMPERATURE EXTREMES: HIGHEST 91 ON DAYS 1,
LOWEST 39 ON DAYS 20,

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.

AGROCLIMATOLOGICAL DATA - OCTOBER 1981

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 (%)							SOURCE
										1 AM	7 AM	1 PM	7 PM	MEAN	HRS		
1	0.0	15	0.0	M 0.0	M	89	62	76	26	0.182	72	75	41	59	62	3	DEW
2	0.06	16	0.0	M 0.0	M	86	66	76	54	0.176	73	58	27	40	50	6	RAIN
3	0.0	17	0.0	M 0.0	M	79	46	63	88	0.342	60	61	31	61	53	0	
4	0.0	18	0.0	M 0.0	M	75	46	61	37	0.203	63	57	30	64	54	0	
5	0.0	19	0.0	M 0.0	M	80	52	66	30	0.204	57	52	37	44	48	0	
6	0.0	20	0.0	M 0.0	M	85	59	72	19	0.196	80	70	37	59	62	5	DEW
7	0.0	21	0.0	M 0.0	M	87	64	76	43	0.230	76	55	34	46	53	0	
8	0.38	0	0.0	M 0.0	M	76	54	65	54	0.204	55	77	72	80	71	13	RAIN
9	0.13	1	0.0	M 0.0	M	61	54	58	28	0.027	80	83	81	83	82	2	RAIN
10	0.54	0	0.0	M 0.0	M	64	58	61	57	0.009	83	87	83	83	84	24	RAIN
11	0.39	0	0.0	M 0.0	M	65	59	62	49	0.012	83	83	70	78	79	21	RAIN DEW
12	0.0	1	0.0	M 0.0	M	69	59	64	47	0.085	80	69	49	67	66	3	DEW
13	0.0	2	0.0	M 0.0	M	79	55	67	71	0.216	64	57	43	57	55	0	
14	0.0	3	0.0	M 0.0	M	74	49	62	79	0.189	56	61	52	64	58	0	
15	0.0	4	0.0	M 0.0	M	72	51	62	66	0.192	62	59	47	65	58	0	
16	0.0	5	0.0	M 0.0	M	74	57	66	35	0.136	72	72	48	63	64	12	DEW
17	0.0	6	0.0	M 0.0	M	81	59	70	43	0.197	67	70	47	75	65	0	
18	0.0	7	0.0	M 0.0	M	83	64	74	49	0.174	78	81	45	56	65	8	DEW
19	0.0 T	9	0.0	M 0.0	M	70	45	58	67	0.099	58	49	32	44	46	0	
20	0.0	9	0.0	M 0.0	M	68	41	55	47	0.183	57	49	27	60	48	0	
21	0.0	10	0.0	M 0.0	M	71	43	57	44	0.149	54	71	46	69	60	0	
22	0.0	11	0.0	M 0.0	M	77	50	64	40	0.130	72	69	50	75	67	0	
23	0.0	12	0.0	M 0.0	M	79	58	69	36	0.129	72	81	77	65	74	5	RAIN
24	0.08	13	0.0	M 0.0	M	65	41	53	66	0.027	55	62	57	74	62	6	RAIN
25	0.08	14	0.0	M 0.0	M	54	41	48	73	0.031	76	79	80	80	79	14	RAIN
26	0.34	0	0.0	M 0.0	M	56	47	52	74	0.009	80	80	81	84	81	24	RAIN
27	0.36	0	0.0	M 0.0	M	66	53	60	60	0.006	77	77	64	74	73	20	RAIN DEW
28	0.0	1	0.0	M 0.0	M	62	47	55	47	0.062	76	71	47	74	67	12	DEW FOG
29	0.0	2	0.0	M 0.0	M	74	54	64	29	0.120	74	69	42	62	62	12	DEW
30	0.0	3	0.0	M 0.0	M	76	53	65	70	0.167	64	74	56	64	65	0	
31	0.0	4	0.0	M 0.0	M	69	54	62	86	0.111	69	66	58	65	65	0	
TOTAL	2.36								1614	4.197							
MEAN		0.0				73.1	52.9	63.0	52	0.135	69	69	51	66	64	6	

NORMAL PRECIPITATION FOR MONTH IS 2.51 INCHES; 24 HOUR MAXIMUM = 0.54 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 - OCTOBER 1981.

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-AGE	TYPE OF FRONT
	PREV DIR.	AVER SPEED	PREV DIR.	AVER SPEED					MAX	MIN	MEAN	MAX	MIN				
1	SW	1	W	5	15:00	15	400	68.6	421	OM	30.15	29.98	30.06	OM	OM	0	
2	W	3	NW	7	12:00	19	544	76.7	470	OM	30.12	29.94	30.03	OM	OM	0	
3	W	5	NE	4	8:00	15	518	73.3	501	OM	30.14	30.01	30.07	OM	OM	0	
4	NE	2	SE	3	10:00	11	330	46.8	478	OM	30.19	30.08	30.13	OM	OM	0	
5	SE	1	V	3	13:00	12	161	22.9	460	OM	30.21	30.10	30.15	OM	OM	0	
6	V	0	W	3	11:00	14	63	9.0	446	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
7	N	3	N	5	6:00	16	126	18.0	310	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
8	SE	4	SE	2	1:00	11	18	2.6	100	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
9	SE	1	E	4	12:00	12	7	1.0	77	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
10	E	3	NE	3	11:00	11	0	0.0	69	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
11	NE	4	NE	4	10:00	13	90	13.0	161	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
12	F	3	F	5	8:00	15	620	90.0	425	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
13	F	5	NE	6	9:00	19	636	92.6	412	OM	0.0	M 0.0	M 0.0	M	OM	OM	0
14	E	5	F	3	8:00	18	560	81.8	352	OM	30.30	30.21	30.26	OM	OM	0	
15	F	3	NE	3	16:00	11	412	60.3	274	OM	30.24	30.11	30.18	OM	OM	0	
16	N	3	N	5	11:00	14	634	93.1	413	OM	30.13	30.04	30.08	OM	OM	0	
17	N	3	V	3	13:00	11	582	85.7	394	OM	30.12	30.00	30.06	OM	OM	0	
18	S	3	SW	6	11:00	21	86	12.7	132	OM	30.13	29.97	30.05	OM	OM	0	
19	NW	3	N	5	8:00	19	459	67.9	449	OM	30.29	30.13	30.21	OM	OM	0	
20	N	3	E	3	9:00	13	552	82.0	441	OM	30.39	30.27	30.33	OM	OM	0	
21	F	3	E	3	11:00	13	632	94.2	384	OM	30.35	30.24	30.29	OM	OM	0	
22	F	2	SE	4	11:00	14	617	92.2	330	OM	30.24	30.07	30.15	OM	OM	0	
23	S	1	NW	5	14:00	19	11	1.6	56	OM	30.17	30.04	30.10	OM	OM	0	
24	N	6	E	4	4:00	15	152	22.8	143	OM	30.16	30.07	30.12	OM	OM	0	
25	F	5	F	5	19:00	16	0	0.0	55	OM	30.07	29.92	29.99	OM	OM	0	
26	F	4	SE	5	18:00	19	31	4.7	68	OM	29.96	29.84	29.90	OM	OM	0	
27	W	3	NW	4	10:00	15	168	25.4	149	OM	30.15	29.95	30.05	OM	OM	0	
28	N	3	N	2	14:00	12	554	84.1	378	OM	30.16	30.07	30.12	OM	OM	0	
29	NE	3	F	4	13:00	17	471	71.7	367	OM	30.16	30.08	30.12	OM	OM	0	
30	F	5	F	5	3:00	15	383	58.5	234	OM	30.30	30.15	30.22	OM	OM	0	
31	E	6	NE	5	1:00	19	415	63.6	246	OM	30.34	30.17	30.25	OM	OM	0	
TOTAL							10320		9195	0						0	
MEAN		3		4		15	333		297	0	30.19	30.06	30.13	0.0	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	49	62	90 1940	29 1962
27	74	48	61	91 1940	30 1957
28	74	48	61	89 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 1981

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	MAX	MIN	MEAN					
					65	45	55																									
1	71	52	62	3	3	17	7	0	76	49	79	52	66	OM	OM	OM	73	55	64	71	58	65	68	60	64							
2	74	56	65	6	0	20	10	0	80	56	78	59	69	OM	OM	OM	81	57	69	77	59	68	71	60	66							
3	76	61	69	11	0	24	14	0	82	60	89	62	76	OM	OM	OM	84	63	74	79	64	72	74	64	69							
4	76	61	69	11	0	24	14	0	84	58	90	61	76	OM	OM	OM	80	62	71	76	64	70	72	65	69							
5	81	59	70	12	0	25	15	0	84	57	97	60	74	OM	OM	OM	87	62	75	81	64	73	75	65	70							
6	80	50	65	8	0	20	10	0	85	47	90	49	70	OM	OM	OM	85	56	71	81	60	71	76	64	70							
7	72	41	57	0	8	12	2	4	79	37	81	39	60	OM	OM	OM	76	47	62	74	52	63	70	57	64							
8	69	39	54	-2	11	9	0	6	76	34	80	37	59	OM	OM	OM	79	48	64	74	52	63	68	56	62							
9	74	45	60	4	5	15	5	2	80	40	85	43	64	OM	OM	OM	81	48	65	76	52	64	69	56	63							
10	67	52	60	4	5	15	5	0	71	52	75	54	65	OM	OM	OM	69	55	62	67	57	62	64	58	61							
11	59	47	53	-2	12	8	0	0	62	44	65	46	56	OM	OM	OM	63	49	56	62	52	57	61	55	58							
12	72	43	58	3	7	13	3	5	79	39	82	42	62	OM	OM	OM	72	45	59	68	49	59	64	53	59							
13	71	45	58	3	7	13	3	1	79	42	82	44	63	OM	OM	OM	72	46	59	67	49	58	63	53	58							
14	62	34	48	-6	17	3	0	10	72	29	77	32	55	OM	OM	OM	68	42	55	64	46	55	61	50	56							
15	68	30	49	-5	16	4	0	10	77	32	80	35	58	OM	OM	OM	72	44	58	68	47	58	62	50	56							
16	70	46	58	4	7	13	3	0	78	42	82	45	64	OM	OM	OM	74	45	60	69	48	59	63	50	57							
17	69	40	55	1	10	10	0	4	71	34	72	37	55	OM	OM	OM	67	46	57	65	49	57	61	53	57							
18	68	35	52	-1	13	7	0	7	74	30	77	33	55	OM	OM	OM	73	44	59	69	48	59	63	52	58							
19	73	43	58	5	7	13	3	0	80	39	82	42	62	OM	OM	OM	76	44	60	71	48	60	64	52	58							
20	76	41	59	6	6	14	4	3	81	39	83	41	62	OM	OM	OM	73	48	61	69	53	61	64	56	60							
21	50	25	38	-15	27	0	0	17	59	20	61	24	43	OM	OM	OM	66	37	52	63	43	53	61	48	55							
22	55	30	43	-9	22	0	0	17	62	24	65	28	47	OM	OM	OM	67	37	52	62	43	53	58	47	53							
23	61	32	47	-5	18	2	0	15	70	27	72	30	51	OM	OM	OM	69	39	54	64	43	54	58	47	53							
24	64	36	50	-2	15	5	0	1	75	46	77	49	63	OM	OM	OM	69	45	57	64	46	55	59	49	54							
25	61	36	49	-3	16	4	0	11	70	34	72	36	54	OM	OM	OM	67	42	55	65	46	56	61	50	56							
26	66	38	52	1	13	7	0	9	76	37	76	39	58	OM	OM	OM	72	44	58	66	46	56	61	49	55							
27	70	45	58	7	7	13	3	0	78	56	84	55	70	OM	OM	OM	74	47	61	68	48	58	62	50	56							
28	76	51	64	13	1	19	9	0	83	49	86	51	69	OM	OM	OM	73	55	64	70	58	64	65	59	62							
29	69	47	58	8	7	13	3	0	75	44	79	46	63	OM	OM	OM	70	47	59	68	50	59	64	53	59							
30	61	50	56	6	9	11	1	0	65	46	66	48	57	OM	OM	OM	60	48	54	58	50	54	57	52	55							

TOTAL 269 353 114 122 2263 1243
 MEAN 68.7 43.7 56.2 2.1 9.0 11.8 3.8 4.1 75.4 41.4 78.5 44.0 61.2 0.0 0.0 0.0 73.1 48.2 60.6 69.2 51.5 60.3 64.6 54.4 59.5

TEMPERATURE EXTREMES: HIGHEST 81 ON DAYS 5,
 LOWEST 25 ON DAYS 21,

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

* DEPARTURE FROM NORMAL.

M = MISSING OR UNOBSERVED DATA.
 HOUR BEGINS ENDING 7AM CST ON INDICATED DAY

AGROCLIMATOLOGICAL DATA - NOVEMBER 1981

AUBURN, ALABAMA

DAY	PRECIPITATION		SOIL MOISTURE		OPEN PAN EVAPORATION			HYGROTHERMOGRAPH DATA							VEGETATIVE WETTING					
	WATER EQUIV- VALENT(IN.)	DRY* DAYS	INDEX (IN.)	PERCENT BY VOL.	WATER MAX	TEMP (DEG F) MIN	MEAN	MILES MOVEMENT	AIR INCHES EVAP.	RELATIVE HUMIDITY (%)							SOURCE			
									1 AM	7 AM	1 PM	7 PM	MEAN	HR S						
1	0.0	5	0.0	M	0.0	M	71	53	62	87	0.122	59	69	47	67	61	0			
2	0.0	6	0.0	M	0.0	M	75	54	65	76	0.135	75	72	48	60	64	0			
3	0.0	7	0.0	M	0.0	M	78	61	70	60	0.155	62	72	51	70	64	0			
4	0.01	8	0.0	M	0.0	M	75	61	69	46	0.096	72	72	48	67	65	5	DEW	RAIN	
5	0.0	9	0.0	M	0.0	M	80	62	71	36	0.109	72	75	50	70	67	5	DEW		
6	0.15	10	0.0	M	0.0	M	80	54	67	29	0.117	72	64	39	38	53	13	RAIN		
7	0.0	11	0.0	M	0.0	M	72	41	57	87	0.204	47	51	32	45	44	0			
8	0.0	12	0.0	M	0.0	M	68	41	55	40	0.138	58	58	31	56	51	0			
9	0.0	13	0.0	M	0.0	M	71	42	57	23	0.086	56	66	48	59	57	0			
10	0.29	0	0.0	M	0.0	M	63	48	56	33	0.0	M	74	74	69	64	70	16	RAIN	
11	0.24	0	0.0	M	0.0	M	58	49	53	57	0.0	M	68	68	37	54	57	21	RAIN DEW	
12	0.0	1	0.0	M	0.0	M	68	45	57	63	0.130	65	58	34	63	55	8	DEW		
13	0.0	2	0.0	M	0.0	M	67	45	56	56	0.184	49	43	32	46	43	9	DEW		
14	0.0	3	0.0	M	0.0	M	62	41	52	37	0.114	59	59	31	43	48	0			
15	0.0	4	0.0	M	0.0	M	64	42	53	23	0.136	62	55	32	43	48	4	DEW		
16	0.0	5	0.0	M	0.0	M	66	44	55	37	0.177	60	56	58	44	55	1	RAIN		
17	0.0	6	0.0	M	0.0	M	63	45	54	63	0.067	58	65	58	44	56	3	DEW		
18	0.0	7	0.0	M	0.0	M	64	42	53	58	0.176	53	57	25	50	46	0			
19	0.0	8	0.0	M	0.0	M	66	43	55	27	0.165	58	71	55	67	63	1	DEW		
20	0.01	9	0.0	M	0.0	M	69	48	59	116	0.068	49	57	40	56	51	1	RAIN		
21	0.0	10	0.0	M	0.0	M	55	37	46	74	0.0	M	58	63	29	44	49	1	DEW	
22	0.0	11	0.0	M	0.0	M	54	37	46	50	0.051	50	52	25	41	42	0			
23	0.0	12	0.0	M	0.0	M	57	38	48	27	0.114	59	61	30	37	47	0			
24	0.11	13	0.0	M	0.0	M	59	40	50	82	0.145	66	66	35	50	54	8	DEW		
25	0.0	14	0.0	M	0.0	M	64	40	52	83	0.152	59	62	35	58	54	0			
26	0.0	15	0.0	M	0.0	M	63	40	52	33	0.105	58	58	40	53	52	0			
27	0.0	16	0.0	M	0.0	M	67	43	55	80	0.126	74	77	57	75	71	9	DEW		
28	0.44	0	0.0	M	0.0	M	71	57	64	72	0.051	75	71	28	44	55	16	RAIN DEW		
29	0.0	1	0.0	M	0.0	M	68	45	57	45	0.185	39	36	0M	43	0M	0			
30	0.04	2	0.0	M	0.0	M	54	45	50	51	0.097	31	61	66	69	57	10	RAIN		
TOTAL	1.29								1651	3.405										
MEAN		0.0			66.4	46.1	56.2	55	0.126	60	62	42	54	55	4					

NORMAL PRECIPITATION FOR MONTH IS 3.89 INCHES; 24 HOUR MAXIMUM = 0.44 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 8; OF 0.50 OR MORE 0; 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 - NOVEMBER 1981

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS			FRONTS	
	APM TO 6AM	6AM TO 6PM	MAX GUST	MINS. OF SUNSHINE	PERCENT POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION PRESSURE	PRESSURE IN INCHES	MIXING RATIO**	D LIGHTNING STROKES	OBSERVED OR REPORTED HAIL	HI-WIND	TIME OF PASS-AGE	TYPE OF FRONT					
	PREV DIR. DIP.	PREV DIR. SPEED	HR. SPEED					MAX	MIN	MEAN	MAX	MIN								
1	NE	6	E	5	9:00	16	470	73.3	341	OM	30.33	30.22	30.27	OM	OM	0				
2	E	5	F	5	11:00	15	499	76.7	333	OM	30.26	30.13	30.19	OM	OM	0				
3	NE	3	F	4	9:00	11	349	53.8	216	OM	30.20	30.12	30.16	OM	OM	0				
4	F	3	SF	4	11:00	12	415	64.1	287	OM	30.21	30.11	30.16	OM	OM	0				
5	F	1	V	2	20:00	21	430	66.7	270	OM	30.12	29.99	30.05	OM	OM	0				
6	M	3	NW	7	10:00	15	349	54.3	367	OM	30.06	29.96	30.01	OM	OM	0				
7	NW	3	N	5	9:00	16	607	94.5	372	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
8	N	3	V	2	10:00	9	573	89.4	363	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
9	E	2	E	2	8:00	9	157	24.6	136	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
10	F	3	NE	4	10:00	10	27	4.2	68	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
11	N	5	N	5	15:00	15	369	58.0	341	OM	30.18	30.07	30.13	OM	OM	0				
12	NW	4	N	5	9:00	15	352	55.5	338	OM	30.17	30.08	30.13	OM	OM	0				
13	N	4	SE	5	9:00	8	589	93.0	311	OM	30.30	30.16	30.23	OM	OM	0				
14	F	3	V	2	8:00	5	604	95.7	347	OM	30.22	30.04	30.13	OM	OM	0				
15	N	1	V	4	11:00	6	2	0.3	327	OM	30.06	29.92	29.99	OM	OM	0				
16	W	1	V	12	14:00	17	482	76.6	138	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
17	W	9	NW	7	11:00	21	603	96.2	342	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
18	NW	1	W	2	12:00	10	602	96.2	329	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
19	SW	1	S	6	13:00	9	485	77.6	163	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
20	W	8	W	4	1:00	25	601	96.5	282	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
21	NW	2	W	5	11:00	21	597	96.0	358	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
22	V	2	N	3	13:00	16	599	96.6	302	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
23	V	1	S	3	14:00	12	582	94.0	365	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
24	SW	6	NW	7	11:00	25	594	96.1	322	OM	30.08	29.87	29.97	OM	OM	0				
25	N	5	V	2	4:00	14	599	97.1	313	OM	30.14	30.06	30.10	OM	OM	0				
26	S	2	SE	5	13:00	16	584	94.8	310	OM	30.16	30.06	30.11	OM	OM	0				
27	SE	4	SW	5	19:00	19	477	77.6	129	OM	30.10	30.00	30.05	OM	OM	0				
28	W	4	N	6	3:00	13	583	95.0	293	OM	30.20	30.04	30.12	OM	OM	0				
29	N	4	N	4	7:00	12	531	96.8	120	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
30	E	4	E	6	0:00	21	234	38.3	67	OM	0.0	M	0.0	M	0.0	M	OM	OM	0	
TOTAL							13953		8250	0									0	
MEAN		3		5		14	465		275	0	30.17	30.05	30.11	0.0	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
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	27	1952
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	1938	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 1981

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*	DEGREE DAYS				5CM OVER GRASS		5CM OVER FALLOW SOIL			SOIL SURFACE TEMPERATURES			5 CM SOIL TEMPERATURES			10 CM SOIL TEMPERATURES			20 CM SOIL TEMPERATURES									
					BELOW 65	ABOVE 45	ABOVE 55		MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN							
1	66	50	58	8	7	13	3	0	64	49	66	50	58	OM	OM	OM	61	52	57	58	53	56	58	54	56							
2	68	41	55	6	10	10	0	4	77	34	79	38	59	OM	OM	OM	72	46	59	68	48	58	63	54	59							
3	58	31	45	-4	20	0	0	12	77	28	87	29	58	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM							
4	61	44	53	4	12	0	0	1	72	39	72	40	56	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM	OM							
5	54	28	41	-8	24	0	0	14	64	24	64	26	45	OM	OM	OM	57	37	47	55	40	48	56	48	52							
6	55	31	43	-5	22	0	0	17	68	29	67	30	49	OM	OM	OM	55	37	46	53	39	46	53	46	50							
7	53	31	42	-6	23	0	0	15	60	26	60	27	44	OM	OM	OM	52	37	45	50	39	45	52	45	49							
8	63	45	54	6	11	9	0	1	74	40	73	41	57	OM	OM	OM	57	39	48	54	39	47	54	45	50							
9	69	36	53	5	12	8	0	9	80	34	79	34	57	OM	OM	OM	61	39	50	58	41	50	58	48	53							
10	53	24	39	-9	26	0	0	16	62	20	63	21	42	OM	OM	OM	56	34	45	53	37	45	54	45	50							
11	44	25	35	-13	30	0	0	24	57	25	54	25	40	OM	OM	OM	50	34	42	48	36	42	49	43	46							
12	43	30	37	-11	29	0	0	24	49	36	48	36	42	OM	OM	OM	48	36	42	46	37	42	48	41	45							
13	41	36	39	-8	26	0	0	24	43	37	43	37	40	OM	OM	OM	44	40	42	44	41	43	47	44	46							
14	48	40	44	-3	21	0	0	20	49	40	49	40	45	OM	OM	OM	46	40	43	45	41	43	48	45	47							
15	48	42	45	-2	20	0	0	14	49	42	49	43	46	OM	OM	OM	48	44	46	47	44	46	49	48	49							
16	43	26	35	-12	30	0	0	24	44	23	44	25	35	OM	OM	OM	45	34	40	44	36	40	48	42	45							
17	54	28	41	-6	24	0	0	18	65	27	63	28	46	OM	OM	OM	53	34	44	49	36	43	49	40	45							
18	55	28	42	-5	23	0	0	12	56	27	56	28	42	OM	OM	OM	48	35	42	47	38	43	49	43	46							
19	34	13	24	-23	41	0	0	24	46	11	45	12	29	OM	OM	OM	46	30	38	44	33	39	46	39	43							
20	36	14	25	-22	40	0	0	24	47	13	45	15	30	OM	OM	OM	37	29	33	35	32	34	39	27	33							
21	43	17	30	-16	35	0	0	24	56	14	52	17	35	OM	OM	OM	36	29	33	35	32	34	38	37	38							
22	51	29	40	-6	25	0	0	16	51	30	51	30	41	OM	OM	OM	44	32	38	42	32	37	43	37	40							
23	65	51	58	12	7	13	3	0	74	53	74	53	64	OM	OM	OM	58	45	52	54	43	49	55	43	49							
24	65	39	52	6	13	7	0	11	64	38	64	39	52	OM	OM	OM	57	43	50	54	45	50	56	50	53							
25	43	40	42	-4	23	0	0	24	44	40	44	41	43	OM	OM	OM	46	43	45	45	43	44	49	46	48							
26	48	41	45	-1	20	0	0	16	50	41	51	42	47	OM	OM	OM	47	43	45	46	43	45	49	44	47							
27	46	41	44	-2	21	0	0	9	50	41	51	42	47	OM	OM	OM	49	43	46	48	43	46	50	46	48							
28	59	42	51	5	14	6	0	6	72	39	71	39	55	OM	OM	OM	57	44	51	54	45	50	54	48	51							
29	56	44	50	4	15	5	0	2	63	42	65	43	54	OM	OM	OM	54	45	50	52	46	49	53	49	51							
30	56	34	45	-1	29	0	0	12	68	33	69	34	52	OM	OM	OM	57	37	47	54	38	46	55	45	50							
31	51	36	44	-2	21	0	0	13	59	36	59	36	48	OM	OM	OM	50	37	44	47	38	43	49	42	46							

TOTAL 664 79 6 430 1854 1011
 MEAN 52.5 34.1 43.3 -3.7 21.4 2.5 0.2 13.9 59.8 32.6 59.9 33.6 46.7 0.0 0.0 0.0 51.4 38.6 45.0 49.3 39.9 44.6 50.7 44.3 47.5

TEMPERATURE EXTREMES: HIGHEST 69 ON DAYS 9,
 LOWEST 13 ON DAYS 19.

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.

OM = MISSING OR UNOBSERVED DATA.

AGROCLIMATOLOGICAL DATA - DECEMBER 1961

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	0.20	3	0.0 M	0.0 M	58	49	54	107	0.008	71	75	50	62	65	17	RAIN DEW
2	0.32	0	0.0 M	0.0 M	68	48	58	43	0.035	52	67	40	51	53	1	RAIN
3	0.0	1	0.0 M	0.0 M	61	39	50	44	0.102	69	67	42	60	60	6	DEW
4	0.0	2	0.0 M	0.0 M	59	40	50	72	0.149	52	53	38	59	51	0	
5	0.0	3	0.0 M	0.0 M	57	37	47	88	0.0 M	61	66	34	46	52	1	DEW
6	0.0	4	0.0 M	0.0 M	54	37	46	49	0.0 M	49	58	35	49	48	0	
7	0.0	5	0.0 M	0.0 M	50	37	44	19	0.0 M	69	66	30	51	54	0	
8	0.0	6	0.0 M	0.0 M	59	39	49	50	0.158	58	83	39	37	54	4	DEW
9	0.0	7	0.0 M	0.0 M	65	39	52	70	0.139	43	48	36	48	44	0	
10	0.0	8	0.0 M	0.0 M	54	34	44	91	0.0 M	53	60	35	38	47	0	
11	0.0	9	0.0 M	0.0 M	44	33	39	80	0.0 M	46	49	33	46	44	0	
12	0.06	10	0.0 M	0.0 M	41	34	38	47	0.0 M	54	75	55	67	63	9	RAIN
13	0.0	11	0.0 M	0.0 M	41	38	40	47	0.0 M	40	48	65	67	57	3	RAIN
14	0.56	0	0.0 M	0.0 M	44	39	42	89	0.0 M	79	86	83	86	84	17	RAIN
15	0.81	0	0.0 M	0.0 M	47	43	45	53	0.0 M	82	79	76	78	79	24	RAIN
16	0.0	1	0.0 M	0.0 M	43	36	40	52	0.0 M	75	72	42	70	65	13	DEW
17	0.0	2	0.0 M	0.0 M	51	37	44	33	0.0 M	67	64	74	86	73	12	DEW RAIN
18	0.26	0	0.0 M	0.0 M	48	36	42	84	0.0 M	69	60	38	48	54	13	RAIN
19	0.0	1	0.0 M	0.0 M	44	32	38	113	0.0 M	56	59	33	37	46	0	
20	0.0	2	0.0 M	0.0 M	41	32	37	58	0.0 M	52	49	22	40	41	0	
21	0.0	3	0.0 M	0.0 M	41	32	37	37	0.0 M	44	41	44	73	51	1	RAIN
22	0.10	4	0.0 M	0.0 M	41	32	37	120	0.0 M	74	80	67	83	76	8	RAIN
23	0.02	5	0.0 M	0.0 M	61	42	52	144	0.047	87	84	80	83	84	17	RAIN
24	0.13	6	0.0 M	0.0 M	61	42	52	69	0.0 M	70	73	79	82	76	16	RAIN
25	2.29	0	0.0 M	0.0 M	43	42	43	63	0.0 M	79	79	79	76	78	24	RAIN
26	0.01	1	0.0 M	0.0 M	46	42	44	76	0.0 M	79	82	79	79	80	19	RAIN
27	0.41	0	0.0 M	0.0 M	47	42	45	57	0.0 M	79	82	64	82	77	12	RAIN
28	0.0	1	0.0 M	0.0 M	57	44	51	37	0.0 M	82	86	71	86	81	17	RAIN
29	0.32	0	0.0 M	0.0 M	55	46	51	65	0.0 M	80	76	45	51	63	19	RAIN DEW
30	0.0	1	0.0 M	0.0 M	58	37	48	85	0.105	54	59	39	47	50	0	
31	0.95	0	0.0 M	0.0 M	49	37	43	114	0.103	76	70	76	83	76	14	RAIN
TOTAL	6.44							2156	0.846							
MEAN			0.0		51.2	38.6	44.9	70	0.094	65	68	52	63	62	9	

NORMAL PRECIPITATION FOR MONTH IS 5.51 INCHES; 24 HOUR MAXIMUM = 2.29 INCHES.

NUMBER OF DAYS WITH PRECIPITATION OF 0.01 OR MORE 14; 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 - DECEMBER 1981

AUBURN, ALABAMA

DAY	WIND OBSERVATIONS-14 FOOT LEVEL						SUNSHINE AND RADIATION				BAROMETRIC DATA			OZONE		THUNDERSTORMS		FRONTS	
	4PM TO 6AM		6AM TO 6PM		MAX GUST	MINS. OF SUNSHINE	PERCENT POSSIBLE SUNSHINE	LANG-LEYS* SOLAR RAD.	LANG-LEYS* NET RAD.	STATION IN INCHES	PRESSURE IN INCHES	MIXING RATIO**	D L I G H T	O B S E R V E D	TIME OF PASS	TYPE OF FRONT			
	PREV DIR.	AVR SPEED	PREV DIR.	AVR SPEED	HR. SPEED					MAX	MIN	MEAN	MAX	MIN	S	ES	HAIL	HI-WIND	AGE
1	E	7	SW	4	4:00	14	182	29.8	181	OM	0.0	M 0.0	M 0.0	M 0.0	OM	OM	0		
2	W	3	W	5	2:00	16	404	66.2	311	OM	0.0	M 0.0	M 0.0	M 0.0	OM	OM	0		
3	V	1	W	5	14:00	18	570	93.6	293	OM	30.14	29.98	30.06	OM	OM	0			
4	V	4	NW	9	15:00	23	577	94.9	313	OM	30.24	29.98	30.11	OM	OM	0			
5	N	3	N	5	10:00	16	575	94.7	312	OM	30.33	30.22	30.27	OM	OM	0			
6	H	4	SW	2	8:00	12	488	80.5	184	OM	30.28	30.16	30.22	OM	OM	0			
7	V	1	W	4	13:00	14	579	95.5	302	OM	30.17	30.05	30.11	OM	OM	0			
8	W	2	NW	6	13:00	21	569	94.0	293	OM	30.15	30.02	30.08	OM	OM	0			
9	N	3	NW	8	16:00	25	573	94.9	302	OM	30.24	30.13	30.18	OM	OM	0			
10	N	4	NW	6	12:00	21	569	94.2	303	OM	30.18	30.08	30.13	OM	OM	0			
11	NW	4	NW	4	3:00	14	260	43.0	173	OM	30.13	30.09	30.11	OM	OM	0			
12	V	2	V	2	18:00	11	0	0.0	37	OM	30.21	30.11	30.16	OM	OM	0			
13	E	4	E	5	23:00	16	0	0.0	29	OM	0.0	M 0.0	M 0.0	M 0.0	OM	OM	0		
14	F	6	N	4	9:00	17	0	0.0	28	OM	0.0	M 0.0	M 0.0	M 0.0	OM	OM	0		
15	N	4	W	6	15:00	21	82	13.6	42	OM	30.11	29.79	29.95	OM	OM	0			
16	V	1	V	2	10:00	8	567	94.3	286	OM	30.28	30.11	30.19	OM	OM	0			
17	S	2	S	4	22:00	16	271	45.0	80	OM	30.19	30.06	30.13	OM	OM	0			
18	NW	5	NW	8	14:00	19	561	93.3	306	OM	30.31	30.12	30.21	OM	OM	0			
19	NW	5	N	5	14:00	16	564	93.8	308	OM	30.41	30.31	30.36	OM	OM	0			
20	N	4	N	4	8:00	15	567	94.3	310	OM	30.43	30.28	30.35	OM	OM	0			
21	E	2	SE	6	17:00	15	390	64.9	86	OM	30.28	30.04	30.16	OM	OM	0			
22	SE	5	SE	7	12:00	19	387	64.4	188	OM	30.04	29.90	29.97	OM	OM	0			
23	S	7	NW	4	6:00	19	138	23.0	38	OM	30.14	29.89	30.01	OM	OM	0			
24	N	4	N	4	12:00	13	122	20.3	31	OM	30.24	30.07	30.15	OM	OM	0			
25	N	6	NE	7	11:00	18	368	61.2	51	OM	30.08	30.00	30.04	OM	OM	0			
26	F	4	E	3	23:00	13	443	73.7	68	OM	30.03	29.82	29.93	OM	OM	0			
27	F	4	V	2	1:00	12	552	91.7	190	OM	29.91	29.78	29.85	OM	OM	0			
28	F	3	E	5	8:00	12	446	74.1	128	OM	30.02	29.90	29.96	OM	OM	0			
29	N	5	N	6	22:00	18	553	91.9	266	OM	30.24	30.02	30.13	OM	OM	0			
30	N	8	NE	7	20:00	21	508	84.2	194	OM	30.32	30.16	30.24	OM	OM	0			
31	E	8	E	6	1:00	23	218	36.2	63	OM	30.16	29.95	30.05	OM	OM	0			
TOTAL							12083		5696	0									
MEAN		4		5		17	390		184	0	30.19	30.04	30.12	0.0	0.0				

YES

2000 COLD

* 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	75	1970	23 1944
3	61	37	49	77	1922	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 1906
25	57	35	46	75	1926	19 1966
26	57	35	46	77	1911	18 1935
27	57	35	46	73	1971	17 1935
28	57	35	46	74	1937	9 1925
29	57	35	46	76	1974	15 1925
30	57	34	46	75	1923	12 1961
31	57	35	46	77	1923	17 1961

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

CLIMATOLOGICAL DATA
 AUDURN, ALABAMA
 TEMPERATURE AND PRECIPITATION
 NORMALS, MEANS AND EXTREMES

MONTH	TEMPERATURE						MEAN NO OF DEGREE DAYS					MEAN NUMBER OF DAYS					RAINFALL				
	NORMALS			EXTREMES			BASE-65 DEGREES	90 OR ABOVE	32 OR BELOW	32 OR BELOW	0 OR BELOW	NORMAL TOTAL	MAXIMUM TOTAL YEAR	MINIMUM TOTAL YEAR	24 HOUR MAX YEAR						
	MAX	MIN	MEAN	HIGH YEAR	LOW YEAR																
JAN	57.1	34.9	46.0	82 1975	0 1963	598	0	0	11	0	4.83	12.09 1936	0.49 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	0.30 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	0.50 1915	5.35 1964							
MAY	84.3	58.5	71.4	98 1962	35 1960	9	5	0	0	0	3.90	10.33 1915	0.36 1914	4.53 1915							
JUN	89.9	65.6	77.7	107 1933	39 1956	0	15	0	0	0	4.25	8.64 1909	0.57 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	0.01 1925	3.73 1939							
SEP	86.5	63.2	74.9	109 1925	38 1967	0	11	0	0	0	4.20	13.13 1965	0.36 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	0.0 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	0.23 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	0.82 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

1981 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*	DAYS	DFN*	WATER EQUIVALENT (IN.)	DFN*	TOTAL (IN.)	MINS. OF SUNSHINE	LANGLEYS**	
					DAYS	DFN*									SOLAR RAD.	NET RAD.
JAN	51.7	26.0	39.3	-6.7	0	0	24	13	790	192	1.46	-3.37	0.50	10377	8639	0M
FEB	57.7	35.3	46.5	-2.0	0	0	11	3	510	41	8.15	2.83	1.78	9915	8654	0M
MAR	65.2	40.3	52.8	-1.7	0	0	3	-1	373	24	5.41	-1.52	5.61	15551	13492	0M
APR	74.6	54.9	66.7	3.0	0	0	0	0	35	-77	7.02	1.81	5.70	15504	12624	0M
MAY	79.4	56.8	68.1	-3.3	2	-3	0	0	30	21	4.29	0.39	7.30	16650	15997	0M
JUN	91.8	70.3	81.0	3.3	24	9	0	0	0	0	1.28	-2.97	9.21	16899	16776	0M
JUL	93.4	71.4	82.4	2.8	25	7	0	0	0	0	3.45	-1.93	9.26	13720	14776	0M
AUG	86.6	69.1	77.9	-1.4	13	-5	0	0	0	0	3.62	-0.45	5.83	2743	9843	0M
SEP	85.5	61.9	73.7	-1.2	5	-6	0	0	12	12	1.85	-2.35	5.64	12737	13052	0M
OCT	74.0	52.5	63.3	-1.9	1	0	0	0	114	16	2.36	-0.15	4.20	10320	9195	0M
NOV	68.7	43.7	56.2	2.1	0	0	4	0	269	-66	1.29	-2.60	3.40	13953	8250	0M
DEC	52.5	34.1	43.3	-3.7	0	0	14	4	664	106	6.44	0.93	0.85	12083	5696	0M
YEAR	73.8	51.4	62.6	-0.9	70	2	56	19	2797	269	46.62	-9.38	59.27	150452	136994	0

* DEPARTURE FROM 1941-70 NORMAL.
 ** ONE LANGLEY = ONE GRAM-CALORIE PER SQUARE CENTIMETER.

Time of Sunrise at Auburn, Alabama (A.M., CST)
 Latitude 32° 36' N., Longitude 85° 30' W.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6:47	6:40	6:11	5:33	4:58	4:38	4:41	4:59	5:19	5:39	6:02	6:29
2	6:47	6:39	6:12	5:33	4:57	4:38	4:41	5:00	5:20	5:40	6:03	6:29
3	6:47	6:39	6:11	5:31	4:57	4:38	4:42	5:00	5:21	5:40	6:04	6:30
4	6:48	6:38	6:10	5:29	4:56	4:38	4:42	5:01	5:21	5:41	6:05	6:31
5	6:48	6:37	6:09	5:28	4:55	4:37	4:43	5:02	5:22	5:42	6:06	6:32
6	6:48	6:36	6:07	5:27	4:54	4:37	4:43	5:02	5:23	5:42	6:07	6:33
7	6:48	6:36	6:06	5:26	4:53	4:37	4:43	5:03	5:23	5:43	6:08	6:33
8	6:48	6:35	6:05	5:24	4:52	4:37	4:44	5:04	5:24	5:44	6:08	6:34
9	6:48	6:34	6:04	5:23	4:51	4:37	4:44	5:04	5:24	5:45	6:09	6:35
10	6:48	6:33	6:02	5:22	4:51	4:37	4:45	5:05	5:25	5:45	6:10	6:36
11	6:48	6:32	6:01	5:21	4:50	4:37	4:46	5:06	5:26	5:46	6:11	6:36
12	6:48	6:31	6:00	5:19	4:49	4:37	4:46	5:06	5:26	5:47	6:12	6:37
13	6:48	6:31	5:58	5:18	4:48	4:37	4:47	5:07	5:27	5:48	6:13	6:38
14	6:47	6:30	5:57	5:17	4:48	4:37	4:47	5:08	5:28	5:48	6:14	6:38
15	6:47	6:29	5:56	5:16	4:47	4:37	4:48	5:08	5:28	5:49	6:15	6:39
16	6:47	6:28	5:55	5:14	4:46	4:37	4:49	5:09	5:29	5:50	6:15	6:40
17	6:47	6:27	5:53	5:13	4:45	4:37	4:49	5:10	5:30	5:51	6:16	6:40
18	6:46	6:26	5:52	5:12	4:45	4:37	4:50	5:10	5:30	5:51	6:17	6:41
19	6:46	6:25	5:51	5:11	4:44	4:37	4:50	5:11	5:31	5:52	6:18	6:41
20	6:46	6:24	5:49	5:10	4:44	4:37	4:51	5:11	5:32	5:53	6:19	6:42
21	6:45	6:23	5:48	5:09	4:43	4:38	4:52	5:12	5:32	5:54	6:20	6:42
22	6:45	6:22	5:47	5:08	4:42	4:38	4:52	5:13	5:33	5:55	6:21	6:42
23	6:45	6:20	5:45	5:07	4:42	4:38	4:53	5:13	5:34	5:55	6:22	6:43
24	6:44	6:19	5:44	5:06	4:41	4:38	4:54	5:14	5:34	5:56	6:23	6:44
25	6:44	6:18	5:43	5:04	4:41	4:39	4:54	5:15	5:35	5:57	6:23	6:44
26	6:43	6:17	5:41	5:03	4:41	4:39	4:55	5:15	5:36	5:58	6:24	6:45
27	6:43	6:16	5:40	5:02	4:40	4:39	4:56	5:16	5:36	5:58	6:25	6:45
28	6:42	6:15	5:39	5:01	4:40	4:40	4:56	5:17	5:37	5:59	6:26	6:45
29	6:42	6:14	5:37	5:00	4:39	4:40	4:57	5:17	5:38	6:00	6:27	6:46
30	6:41		5:36	4:59	4:39	4:40	4:58	5:18	5:38	6:01	6:28	6:46
31	6:41		5:36		4:39		4:58	5:19		6:02		6:46

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

Time of Sunset at Auburn, Alabama (P.M., CST),
 Latitude 32° 36' N., Longitude 85° 30' W.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4:50	5:18	5:42	6:05	6:26	6:47	6:57	6:43	6:10	5:30	4:54	4:39
2	4:51	5:19	5:43	6:06	6:27	6:48	6:57	6:42	6:09	5:29	4:54	4:39
3	4:52	5:20	5:44	6:07	6:28	6:49	6:56	6:42	6:08	5:27	4:53	4:39
4	4:53	5:21	5:44	6:07	6:28	6:49	6:56	6:41	6:06	5:26	4:52	4:39
5	4:53	5:21	5:45	6:08	6:29	6:50	6:56	6:40	6:05	5:25	4:51	4:39
6	4:54	5:22	5:46	6:09	6:30	6:50	6:56	6:39	6:04	5:23	4:50	4:39
7	4:55	5:23	5:47	6:09	6:31	6:51	6:56	6:38	6:02	5:22	4:50	4:39
8	4:56	5:24	5:47	6:10	6:31	6:51	6:56	6:37	6:01	5:21	4:49	4:39
9	4:57	5:25	5:48	6:11	6:32	6:52	6:55	6:36	6:00	5:20	4:48	4:39
10	4:58	5:26	5:49	6:12	6:33	6:52	6:55	6:35	5:58	5:18	4:48	4:40
11	4:58	5:27	5:50	6:12	6:33	6:53	6:55	6:34	5:57	5:17	4:47	4:40
12	4:59	5:28	5:51	6:13	6:34	6:53	6:55	6:33	5:56	5:16	4:46	4:40
13	5:00	5:29	5:51	6:14	6:35	6:53	6:54	6:32	5:54	5:15	4:46	4:40
14	5:01	5:29	5:52	6:14	6:36	6:54	6:54	6:31	5:53	5:13	4:45	4:41
15	5:02	5:30	5:53	6:15	6:36	6:54	6:54	6:30	5:52	5:12	4:45	4:41
16	5:03	5:31	5:54	6:16	6:37	6:54	6:53	6:29	5:50	5:11	4:44	4:41
17	5:04	5:32	5:54	6:16	6:38	6:55	6:53	6:28	5:49	5:10	4:43	4:42
18	5:05	5:33	5:55	6:17	6:38	6:55	6:52	6:27	5:48	5:09	4:43	4:42
19	5:06	5:34	5:56	6:18	6:39	6:55	6:52	6:26	5:46	5:08	4:43	4:42
20	5:07	5:34	5:56	6:19	6:40	6:55	6:51	6:25	5:45	5:06	4:42	4:43
21	5:08	5:35	5:57	6:19	6:40	6:55	6:51	6:24	5:44	5:05	4:42	4:43
22	5:09	5:36	5:58	6:20	6:41	6:56	6:50	6:23	5:42	5:04	4:41	4:43
23	5:10	5:37	5:59	6:21	6:42	6:56	6:50	6:21	5:41	5:03	4:41	4:44
24	5:10	5:38	5:59	6:21	6:42	6:56	6:49	6:20	5:40	5:02	4:41	4:45
25	5:11	5:39	6:00	6:22	6:43	6:56	6:48	6:19	5:38	5:01	4:40	4:45
26	5:12	5:39	6:01	6:23	6:43	6:57	6:48	6:18	5:37	5:00	4:40	4:46
27	5:13	5:40	6:02	6:23	6:44	6:57	6:47	6:17	5:35	4:59	4:40	4:47
28	5:14	5:41	6:02	6:24	6:45	6:57	6:46	6:15	5:34	4:58	4:40	4:47
29	5:15	5:42	6:03	6:25	6:45	6:57	6:45	6:14	5:33	4:57	4:39	4:48
30	5:16		6:04	6:26	6:46	6:57	6:45	6:13	5:31	4:56	4:39	4:49
31	5:17		6:04		6:46		6:44	6:12		4:55		4:49

Sunrise and sunset are considered to occur when the upper edge of the disk of the sun appears to be exactly on the horizon, with normal atmospheric conditions, and at zero elevation above the earth's surface in a level region. Times of sunrise and sunset shown in the tables are valid for the remainder of the 20th century.

CLIMATOLOGICAL PUBLICATIONS FOR AUBURN AND THE STATE OF ALABAMA

<u>Agricultural Weather Series No.</u>	<u>Publication Title</u>
1	1964 Local Climatological Data
2	1965 Local Climatological Data
3	1966 Local Climatological Data
4	1967 Local Climatological Data
5	Alabama Growing Degree Days
6	1968 Local Climatological Data
7	1969 Local Climatological Data
8	1970 Local Climatological Data
9	1971 Local Climatological Data
10	1972 Local Climatological Data
11	1973 Local Climatological Data includes monthly and annual average evaporation, 1964-1972
12	1974 Local Climatological Data
13	1975 Local Climatological Data
14	1976 Local Climatological Data includes daily normals of temperature, 1941-70
15	1977 Local Climatological Data includes daily maximum minutes of sunshine at Auburn, AL
16	1978 Local Climatological Data includes daily normals and accumulated normals of precipitation for Auburn, AL
17	Climate of Freeze in Alabama
18	Precipitation Probabilities and Statistics for Alabama
19	1979 Local Climatological Data includes daily normals of soil temperatures at 2, 4, and 8 inches at Auburn, AL
20	1980 Local Climatological Data includes sunrise/sunset tables for Auburn, AL
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 and Hail Day Probabilities in the Southeastern United States
AES Bulletin 517	Climatic Features and Length of Growing Season in Alabama

These publications are available at the Auburn University Library; Research Information, Comer Hall; and the Environmental Studies Service Center in the Nuclear Science Center.

