

U.S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, *Secretary*

WEATHER BUREAU

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TECHNICAL PAPER NO. 15

# Maximum Station Precipitation for

## 1, 2, 3, 6, 12, and 24 Hours

### Part XXVI: Oklahoma

DIVISION OF HYDROLOGIC SERVICES  
HYDROMETEOROLOGICAL SECTION

In cooperation with  
THE CORPS OF ENGINEERS, U.S. ARMY



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U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

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PART XXVI: OKLAHOMA

E R R A T A

Page 1, change "Part XXV: Arkansas" to  
"Part XXVI: Oklahoma"

Page 2, column 2, line 15, change "14" to "24"

Page 2, column 2, line 17, change "58" to "59"

## MAXIMUM STATION PRECIPITATION FOR 1, 2, 3, 6, 12, and 24 HOURS

### PART XXV: ARKANSAS

This report which is one of a planned series covering the entire United States, was prompted by the long-standing and widespread interest in maximum observed precipitation amounts for durations of 24 hours and under. At least two summaries of this type of data have already been prepared<sup>1</sup>. Neither summary involved more than a couple of hundred stations throughout the United States, and no attempt was made to determine the month-to-month variation of the maximum values. Eventually, the records for some 3000 recording gages in the United States will have been examined for maximum amounts. The survey for the eastern half of the country is being conducted by the Hydro-meteorological Section in cooperation with the Corps of Engineers and that for the western half by the Cooperative Studies Section in cooperation with the Bureau of Reclamation. Sources of data are: (1) Hydrologic Bulletin, (2) Climatological Data, (3) WB Form 1017, triple-register sheet, (4) WB Form 1030, Monthly Climatological Summary, (5) Tables of Excessive Precipitation from the Report of the Chief of the Weather Bureau, (6) Bulletin W for 1930, and (7) Original Climatological Records.

All precipitation amounts presented in the tabulations are in inches.

The station names and locations shown on figures 1-6 are those listed in Climatological Data for December 1950, together with others having five years or more of record, though not operative in 1950. Some stations have operated under two or more names and/or at several local sites during the period of record. Any important change in location usually calls for a new station name so that records for the two sites are automatically tabulated separately.

The period of record, except at Weather Bureau first-order stations, is limited to the 11 years

since the hydrologic network of weighing gages was inaugurated in 1940. In the case of the Weather Bureau first-order stations, tipping-bucket gage records were surveyed for the entire period of record prior to 1951. For comparative purposes, two sets of maxima were obtained from these long records, one for the period 1940-1950 and the other for the period from the installation of the tipping-bucket gage through 1950. Records for stations in operation less than 5 years were not used unless the stations were active through 1950, in which case their maxima are listed to facilitate future surveys of subsequent data. If the period of record was not continuous and any single interruption was less than one year, the notation "break(s)" is inserted after the years denoting the period of record. Interruptions of one year or longer are shown by separate listing of the years, e.g., 1940-1942, 1943-1950, indicating that a break of 12 months or longer occurred in 1942-1943.

If the maximum occurred on the last day of the month and the first day of the next month, the same maximum applies for each of the months involved. When this occurs underlining of the dates involved indicates that the recorded period of rainfall began on the last day of the preceding month and ended on the first day of the month listed, whereas when such dates are not underlined, the recorded period of rainfall began on the last day of the month listed and ended on the first day of the following month.

The time intervals used in most of the survey and tabulations began on the hour. This practice yields lower values than would be obtained by allowing the interval to begin any time within an hour, but the extra work involved in obtaining the true values would greatly increase the cost of the project. In instances where true maxima were available the amounts were published and designated as follows: (v) Bulletin W for 1930. (w) True maxima from Table of Excessive Precipitation of the Report of the Chief of the Weather Bureau. (x) True maxima from WB 1030, Monthly Climatological Summary, or from Technical Paper No. 2, Maximum Recorded Point Rainfall in the United States. (y) Original Climatological Records.

1. Yarnell, D. L., "Rainfall Intensity-Frequency Data," U. S. Department of Agriculture Miscellaneous Publication No. 204, August 1935.  
Shands, A. L. and D. Ammerman, "Maximum Recorded United States Point Rainfall," Weather Bureau Technical Paper No. 2, April 1947.

Estimates of maximum amounts, indicated by the letter "E" in the tabulations, were required whenever a recording gage was not functioning because of mechanical or electrical failure or because the precipitation was in the form of snow (tipping-bucket gages cannot measure snowfall rates). In such cases, the precipitation was assumed to have been evenly distributed throughout the period and estimates were obtained by prorating the accumulation. For example, in one case an amount of 5.00 inches was accumulated through a period of 54 hours. It developed that 24/54 of this amount, or 2.22 inches, was higher than any other amount for 24 hours, and this was used as the maximum.

Since this survey was confined to the period covered by recording gages, the 24-hour maximum amounts listed may be exceeded by 24-hour maxima published in reports<sup>2</sup> of other surveys

2. U. S. Weather Bureau, "Maximum 24-Hour Precipitation in the United States," Technical Paper No. 16, Washington, 1951.

supplementing the recording gage data with antecedent nonrecording-gage records. Although it would have been an easy matter to use these higher maxima, it was believed preferable to list maxima for all durations for the same period of record. At many recording-gage stations, daily stick observations are made at a non-recording gage at the same site, but the 24-hour maxima listed here are taken only from recording gage records, for consistency with the shorter duration maxima.

Table 1 shows the highest recorded value for each month and table 2 gives the highest for any month, for each of the durations, 1, 2, 3, 6, 12 and 14 hours.

The monthly distribution of occurrences of the maximum amounts at the 58 stations with five or more years of record are shown in table 3.

Data were compiled and checked by members of the Meteorological Technician Pool of the Hydro-meteorological Section under the supervision of W. W. Swayne.

Table 1. - Maximum monthly precipitation amounts for Oklahoma.

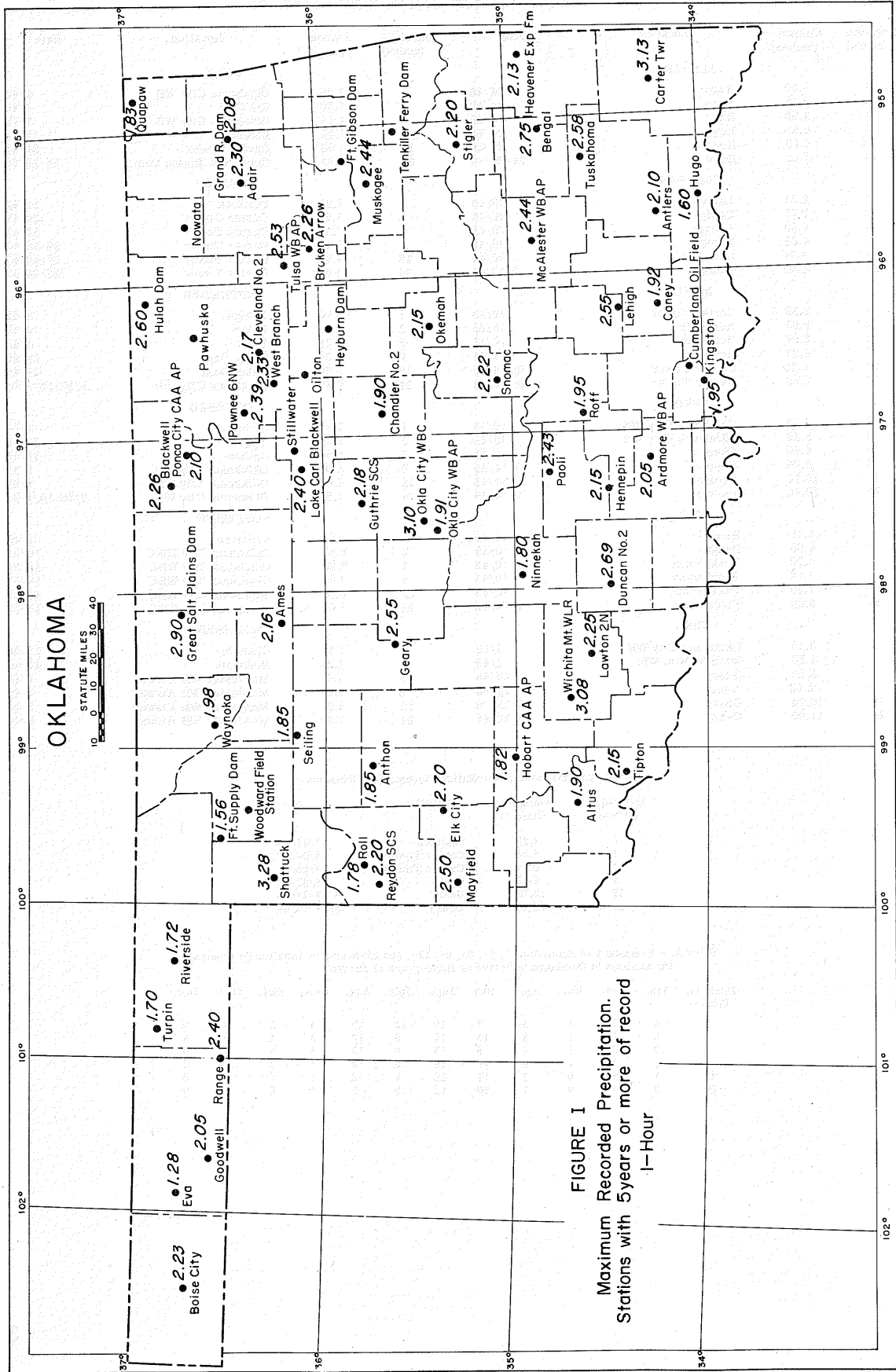
Duration (hours)	Amount (inches)	Location	Date	Duration (hours)	Amount (inches)	Location	Date
JANUARY							
1	1.30	Hugo	24/46	1	2.96	Oklahoma City WB	1/40
2	2.15	Hugo	24/46	2	3.50	Elk City	1/40
3	2.90	Hugo	24/46	3	4.19	Oklahoma City WB	1/13
6	4.55	Hugo	24/46	6	4.95	Kingston	11-12/48
12	5.40	Hugo	24/46	12	5.50	Carter Tower	24/49
24	7.60	Hugo	24-25/46	24	5.97	Great Salt Plains Dam	28-29/50
FEBRUARY							
1	2.25	Lehigh	20/45	1	3.28	Shattuck	11/42
2	3.15	Lehigh	20/45	2	5.93	Carter Tower	28/47
3	4.00	Lehigh	20/45	3	6.58	Carter Tower	28/47
6	4.05	Lehigh	20/45	6	8.60	Carter Tower	27-28/47
12	4.74	Lehigh	20/45	12	9.76	Carter Tower	27-28/47
24	4.87	Lehigh	19-20/45	24	10.06	Carter Tower	27-28/47
MARCH							
1	2.29	Carter Tower	29/45	1	2.55	Lehigh	6/42
2	3.67	Hennepin	14/45	2	3.59	Tulsa	4/40
3	3.97	Hennepin	14/45	3	3.81	Tulsa	4/40
6	4.67	Hennepin	14/45	6	5.04	Hulah Dam	24/45
12	5.20	Carter Tower	28-29/45	12	6.70	Hulah Dam	24/45
24	5.96	Carter Tower	28-29/45	24	7.87	Oklahoma City WB	9/30-10/1/45
APRIL							
1	2.56	Oklahoma City WB	10/45	1	2.39	Okemah	1/44
2	3.46	Oklahoma City WB	10/45	2	3.21	Hugo	21/49
3	4.40	Okemah	13-14/45	3	4.61	Anthon	31/48
6	6.65	Okemah	13-14/45	6	5.90	Oklahoma City WB	1/27
12	10.16	Okemah	13-14/45	12	7.02	Oklahoma City WB	1/27
24	10.46	Okemah	13-14/45	24	7.87	Oklahoma City WB	9/30-10/1/27
MAY							
1	2.75	Bengal	10/45	1	1.95	Ardmore	8/42
2	4.95	Bengal	10/45	2	2.53	Oklahoma City WBC	16/31
3	5.70	Tuskahoma	10/43	3	3.26	Oklahoma City WBC	16/31
6	7.18	Tuskahoma	10/43	6	3.53	Oklahoma City WBC	16/31
12	7.90	Tuskahoma	10/43	12	4.17	Oklahoma City WBC	16/31
24	9.82	Tuskahoma	9-10/43	24	4.66	Oklahoma City WBC	16/31
JUNE							
1	3.10	Oklahoma City WB	3/32	1	1.50	Chandler	2 11/46
2	4.20	Wichita Mtn. WR	2/49	2	2.30	Hennepin	15/48
3	5.19	Geary	22/48	3	2.65	McAlester WB Airway	9/46
6	8.63	Geary	22/48	6	4.44	McAlester WB Airway	9/46
12	10.78	Geary	22-23/48	12	6.20	McAlester WB Airway	9/46
24	11.05	Geary	22-23/48	24	7.25	McAlester WB Airway	9/46
JULY							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							

Table 2. Maximum precipitation amounts for Oklahoma.

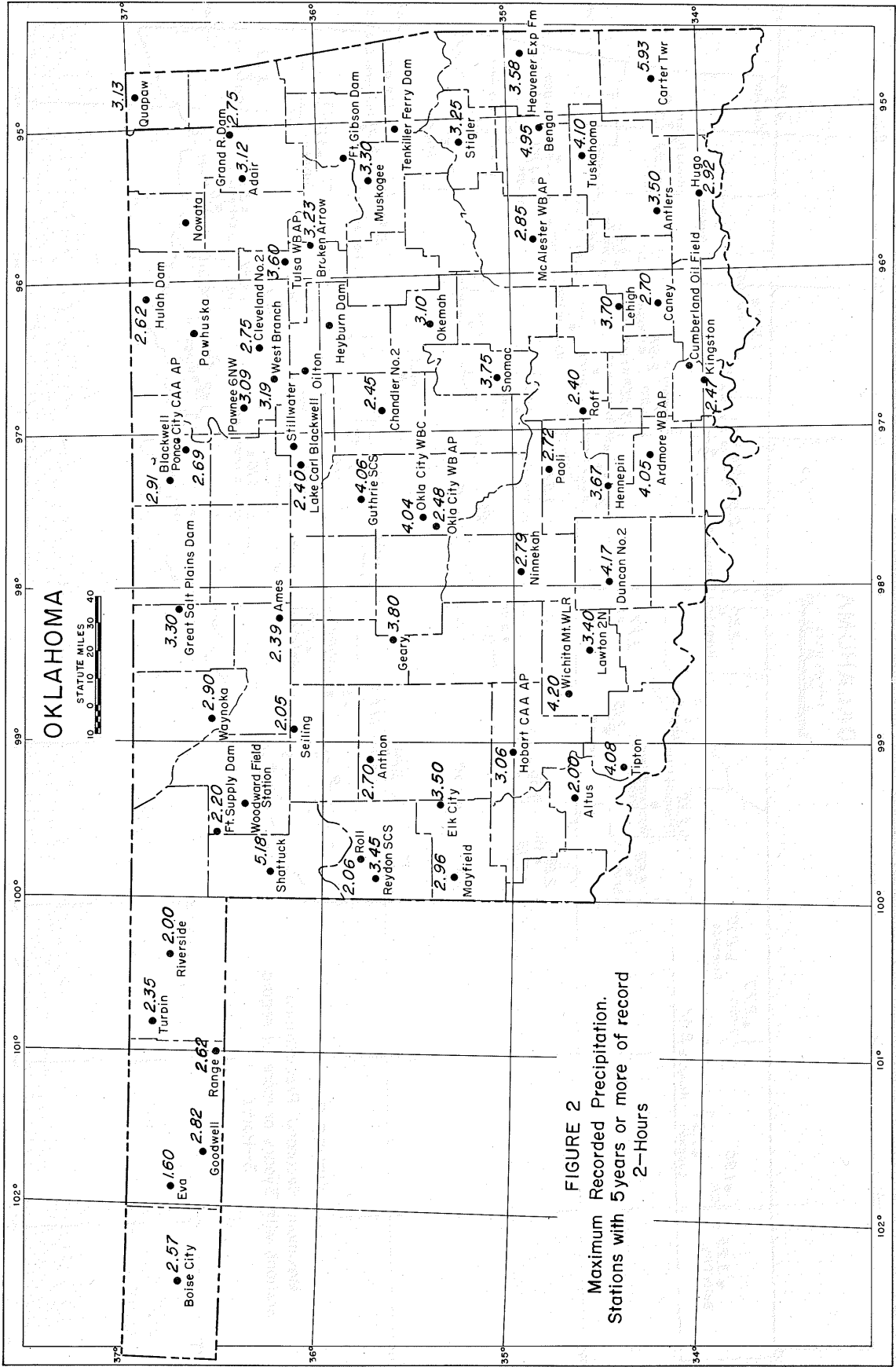
Duration (hours)	Amount (inches)	Location	Date
1	3.28	Shattuck	8/11/42
2	5.93	Carter Tower	8/28/47
3	6.58	Carter Tower	8/28/47
6	8.63	Geary	6/22/48
12	10.78	Geary	6/22-23/48
24	11.05	Geary	6/22-23/48

Table 3. - Frequency of maximum 1-, 2-, 3-, 6-, 12-, and 24-hour precipitation by months, for stations in Oklahoma with five or more years of record.

Duration (hours)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	1	3	17	10	13	10	3	2	0	0
2	0	0	1	2	13	16	9	12	2	4	0	0
3	0	0	1	4	9	15	8	12	4	6	0	0
6	1	0	1	6	11	16	8	9	4	3	0	0
12	1	0	0	3	14	14	7	8	5	7	0	0
24	3	0	0	1	20	13	5	5	6	6	0	0



**FIGURE 1**  
**Maximum Recorded Precipitation.**  
**Stations with 5 years or more of record**  
**1-Hour**

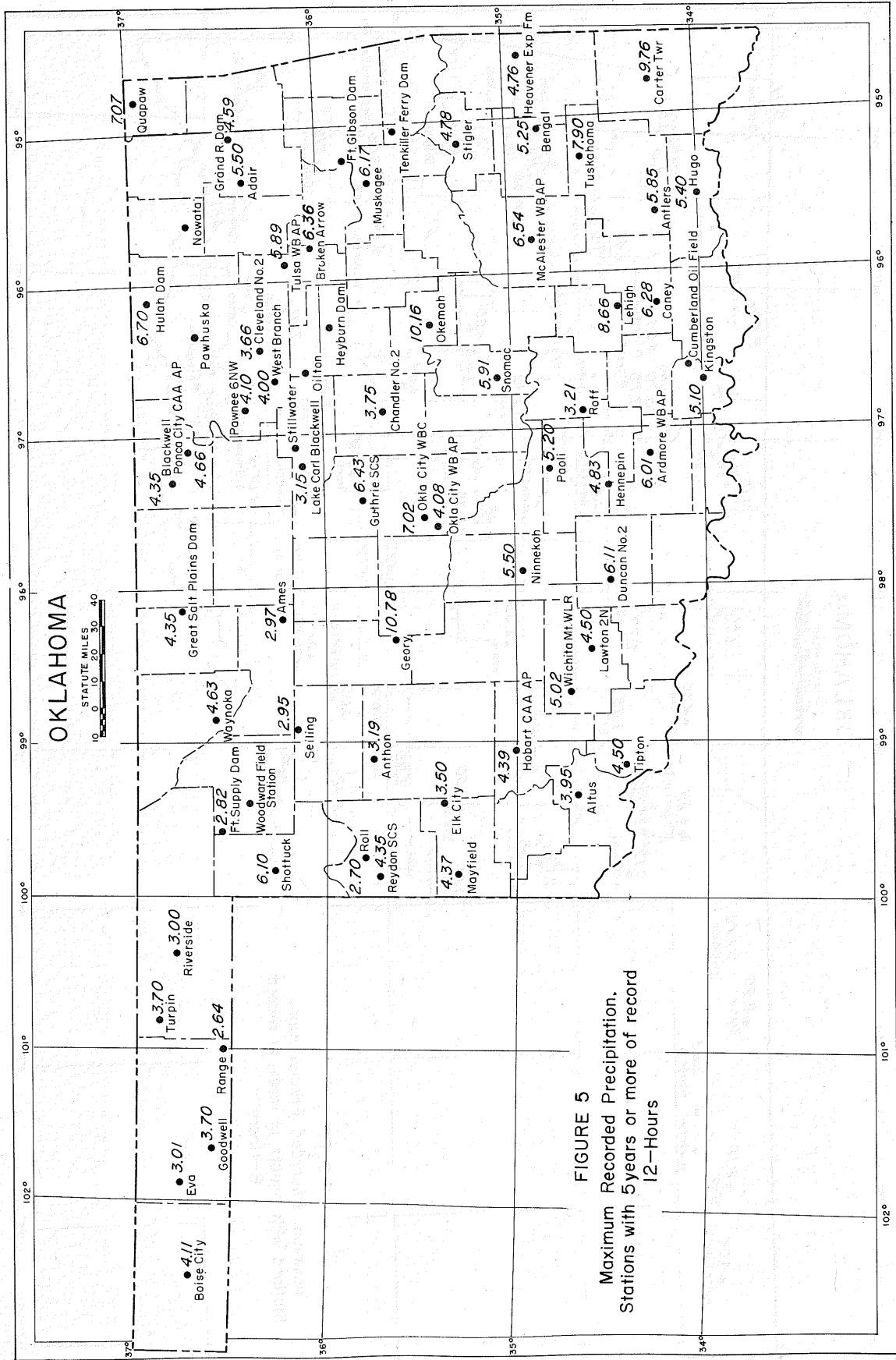


**FIGURE 2**  
Maximum Recorded Precipitation.  
Stations with 5 years or more of record  
2-Hours









**FIGURE 5**  
Maximum Recorded Precipitation.  
Stations with 5 years or more of record  
12-Hours



U. S. WEATHER BUREAU

Station: ADAIR\*

Drainage basin: ARKANSAS

County: MAYES

Lat. 36° 24' Long. 95° 20'

Elev.(ft) 625

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.75 15/49	0.95 15/49	1.03 15/49	1.30 23/49	1.75 22-23/49	1.93 4-5/46
Feb.	Amt. Date	0.70 8/44	1.11 8/44	1.36 8/44	1.70 8/44	2.33 8/44	2.35 8/44
Mar.	Amt. Date	0.80 18/45	1.05 18/45	1.25 18/45	1.31 15/44	2.26 15/44	2.42 15/44
Apr.	Amt. Date	2.30 12/45	3.12 12/45	3.93 12/45	4.15 12/45	4.15 12/45	4.70 18-19/41
May	Amt. Date	1.70 19/49	2.09 19/49	2.35 19/49	2.46 10/50	3.94 9/43	6.63 9-10/43
Jun.	Amt. Date	2.03 17/42	2.38 17/42	2.58 3/43	2.92 30/46	3.57 9/41	4.15 21/48
Jul.	Amt. Date	1.38 8/49	1.45 26/45	1.66 14-15/48	2.23 14-15/48	2.46 14-15/48	2.46 14-15/48
Aug.	Amt. Date	1.07 3/42	1.50 14/48	1.83 3/42	3.05 3-4/42	3.38 3-4/42	3.38 3-4/42
Sep.	Amt. Date	1.46 12/49	2.10 29/43	2.58 29/43	3.24 4/40	3.85 4/40	3.98 4/40
Oct.	Amt. Date	1.40 4/41	2.45 4/41	2.95 4/41	3.82 4/41	5.50 4/41	6.21 4/41
Nov.	Amt. Date	0.69 5/46	0.91 6/46	1.29 1/46	1.75 2/46	2.34 31-1/46	2.74 20-21/40
Dec.	Amt. Date	0.87 26/42	1.11 26/42	1.20 26/42	1.95 26/42	2.54 26/42	2.57 26-27/42
Annual	Amt. Date	2.30 4/12/45	3.12 4/12/45	3.93 4/12/45	4.15 4/12/45	5.50 10/4/41	6.63 5/9-10/43

\*Formerly Pryor

U. S. WEATHER BUREAU

Station: ALTUS (4N)

Drainage basin: RED

County: JACKSON

Lat. 34° 42' Long. 99° 21'

Elev.(ft) 1400

Period of record: 1942-1949 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.22a 26/44	0.42 25/49	0.49 25/49	0.55 22/49	1.00 22-23/49	1.12 14-15/46
Feb.	Amt. Date	0.40 26/48	0.70 26-27/48	0.84 26-27/48	0.91 26-27/48	0.92 26-27/48	0.92 26-27/48
Mar.	Amt. Date	0.45 20/49	0.55 20/49	0.60 20-21/49	0.83 20/49	0.91 20-21/49	0.91 20-21/49
Apr.	Amt. Date	0.74 18/42	1.46E 10/45	2.19E 10/45	2.92 10/45	2.92 10/45	2.92 10/45
May	Amt. Date	1.90 14/46	2.00 14/46	2.10 14/46	2.10 14/46	2.10 14/46	2.33 9-10/43
Jun.	Amt. Date	1.14 4/43	1.31 2/49	1.71 2/49	1.93 15/45	2.25 7-8/49	2.25 7-8/49
Jul.	Amt. Date	0.70 11/44	0.87 11/44	1.02 11/44	1.19 11-12/44	1.27 11-12/44	1.85 11-12/44
Aug.	Amt. Date	0.85 26/46	1.01 26/46	1.11 26/46	2.12 25-26/46	2.61 25-26/46	2.61 25-26/46
Sep.	Amt. Date	0.80 18/42	1.25 18/42	1.97 18/42	2.80 18/42	3.95 18-19/42	5.19 18-19/42
Oct.	Amt. Date	1.47 16/47	1.69 16/47	1.70 16/47	1.74 14/42	1.88 14/42	2.09 16-17/42
Nov.	Amt. Date	0.39 7/44	0.50E 14/47	0.75 14/47	0.75 14/47	0.75 14/47	0.95 24-25/44
Dec.	Amt. Date	0.15 5/43	0.27E 3/47	0.40E 3/47	0.80E 3/47	1.34 3/47	1.34 3/47
Annual	Amt. Date	1.90 5/14/46	2.00 5/14/46	2.19E 4/10/45	2.92 4/10/45	3.95 9/18-19/42	5.19 9/18-19/42

a Also 25/49

U. S. WEATHER BUREAU

Station: AMES

Drainage basin: CIMARRON

County: MAJOR

Lat. 36° 14' Long. 98° 12'

Elev.(ft.) 1213

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.48 4/46	0.50 4/46	0.62 4/46	0.78E 30/42	1.06E 29-30/42	1.25 29-30/42
Feb.	Amt. Date	0.50 12/49	0.65 12/49	0.70 12/49	0.75 12/49	1.39 17-18/46	1.71 17-18/46
Mar.	Amt. Date	0.70 12/47	0.90 12/47	0.95 30/49	1.39 12/47	1.70 12/47	1.84 12-13/47
Apr.	Amt. Date	1.55 10/45	1.97 10/45	2.00 10/45	2.35 10/45	2.68 10-11/45	2.68 10-11/45
May	Amt. Date	1.88 7/50	1.95 7/50	2.00 7/50	2.18 22/41	2.33 22/41	2.34 22/41
Jun.	Amt. Date	1.75 25/46	1.85 25/46	1.98 27/48	2.03 27/48	2.97 9/41	2.98 9/41
Jul.	Amt. Date	2.16 22/40	2.39 22/40	2.77 22/40	2.77 22/40	2.77 22/40	2.77 22/40
Aug.	Amt. Date	1.58 25/46	1.75 25/46	2.11 12/41	2.21 25/42	2.68 25/42	2.68 25/42
Sep.	Amt. Date	1.68 8/42	1.68 8/42	1.68 8/42	1.94 28/45	2.30 28/45	3.07 27-28/44
Oct.	Amt. Date	1.20 31/48	1.25 31/48	1.75 31/48	2.10 31-1/48	2.12 31-1/48	2.25 31-1/48
Nov.	Amt. Date	0.50 3/44	0.67 3/44	0.90 3/44	2.10 <u>31-1/48</u>	2.12 <u>31-1/48</u>	2.25 <u>31-1/48</u>
Dec.	Amt. Date	0.39 3/47	0.62 3/47	0.95 3/47	1.70 3/47	2.23 3/47	2.82 3/47
Annual	Amt. Date	2.16 7/22/40	2.39 7/22/40	2.77 7/22/40	2.77 7/22/40	2.97 6/9/41	3.07 9/27-28/44

U.S. WEATHER BUREAU

Station: ANTHON

Drainage basin: WASHITA

County: CUSTER

Lat. 35° 45' Long. 99° 06'

Elev.(ft.) 1845

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.20 10/49	0.30 10/49	0.42 10/49	0.70 10/49	0.83 10/49	1.05 10-11/49
Feb.	Amt. Date	0.38 26/48	0.63 27/48	0.95 26-27/48	1.05 26-27/48	1.55 26-27/48	1.55 26-27/48
Mar.	Amt. Date	0.62 14/45	0.83 14/45	1.00 14/45	1.21 14/45	1.21 14/45	1.28 14-15/45
Apr.	Amt. Date	0.75 10/45	1.24 10/45	1.24 10/45	1.60a 7-8/47	1.67 7-8/47	1.67 7-8/47
May	Amt. Date	1.10 11/47	1.55 11/47	1.77 4/41	2.62 3-4/41	2.83 3-4/41	2.87 3-4/41
Jun.	Amt. Date	1.55 29/46	1.85 29/46	1.92 29/46	1.95 29/46	2.61 28-29/46	2.64 28-29/46
Jul.	Amt. Date	1.64 31/50	1.80 31/50	1.88 31/50	2.39 31/50	2.54 31-1/50	3.05 31-1/50
Aug.	Amt. Date	0.90 17/44	0.90 17/44	0.92 29-30/44	2.00 31-1/50	2.54 <u>31-1/50</u>	3.05 <u>31-1/50</u>
Sep.	Amt. Date	1.10 27/45	1.49 4/44	1.52 27-28/45	1.65 27-28/45	1.87 27-28/45	2.18 27/44
Oct.	Amt. Date	1.85 31/48	2.70 31/48	3.09 31/48	3.16 31/48	3.19 31-1/48	4.26 5-6/46
Nov.	Amt. Date	0.40 3/47	1.26 <u>31-1/46</u>	1.30 <u>31-1/46</u>	1.94 <u>31-1/48</u>	3.19 <u>31-1/48</u>	3.20 <u>31-1/48</u>
Dec.	Amt. Date	0.30 9/43	0.51 9/43	0.70 9/43	1.10 9/43	1.35 9/43	1.65 3/47
Annual	Amt. Date	1.85 10/31/48	2.70 10/31/48	3.09 10/31/48	3.16 10/31/48	3.19 10/31-1/48	4.26 10/5-6/46

a Also 4/47



U. S. WEATHER BUREAU

Station: ANTLERS

Drainage basin: RED

County: PUSHMATAHA

Lat. 34° 14' Long. 95° 37'

Elev.(ft.) 511

Period of record: 1946-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.80 24/49	1.17 25/49	1.55 24/49	2.40 24/49	3.60 24/49	6.52 23-24/49
Feb.	Amt. Date	1.00 12/50	1.70 12/50	2.10 12/50	2.73 12/50	3.68 11-12/50	4.63 11-12/50
Mar.	Amt. Date	0.59 21/49	0.94 21/49	1.25 21/49	1.60 23/47	1.70 23/47	1.85 25-26/49
Apr.	Amt. Date	2.10 30/49	2.65 30/49	3.95 30/49	4.25 30/49	5.85 30-1/49	5.85 30-1/49
May	Amt. Date	2.10 24/48	3.50 6/50	3.85 6/50	3.95 6/50	5.85 <u>30-1/49</u>	5.85 <u>30-1/49</u>
Jun.	Amt. Date	0.90 8/49	0.95a 23/48	1.47 23/48	1.91 23/48	2.77 23-24/48	3.27 23-24/48
Jul.	Amt. Date	1.98 26/48	1.98 26/48	1.98 26/48	1.98 26/48	2.00 21/50	2.00 21/50
Aug.	Amt. Date	1.35 18/49	1.45 18/49	1.69 17/50	3.00 17/50	3.26 17/50	3.30 16-17/50
Sep.	Amt. Date	1.29 15/50	1.37 15/50	1.46 16/50	1.64 16/50	1.73 16/50	3.10 15-16/50
Oct.	Amt. Date	0.81 21/49	1.51 21/49	1.80 21/49	2.61 21/49	3.21 21/49	3.39 20-21/49
Nov.	Amt. Date	0.95 14/47	1.30 2/46	1.69 2/46	2.90 2/46	4.04 2/46	4.29 2-3/46
Dec.	Amt. Date	1.30 31/47	1.50 31/47	1.55 31/47	1.70b 11/46	2.19 11/46	2.44 11/46
Annual	Amt. Date	2.10c 5/24/48	3.50 5/6/50	3.95 4/30/49	4.25 4/30/49	5.85 4/30-1/49	6.52 1/23-24/49

a Also 8/49

b Also 7/47

c Also 4/30/49

U.S. WEATHER BUREAU

Station: ARDMORE CAA AIRPORT\*

Drainage basin: RED

County: CARTER

Lat. 34° 18' Long. 97° 09'

Elev.(ft.) 861

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.84 4/46	1.30 4/46	1.76 4/46	2.85 4/46	3.75 4/46	4.47 4-5/46
Feb.	Amt. Date	0.86 28/44	1.10 28/44	1.25 28/44	1.42 27-28/44	2.07 27-28/44	2.51 27-28/44
Mar.	Amt. Date	0.80 14/45	1.25a 14/45	1.98 14/45	2.40 14/45	2.49 14-15/45	2.66 18-19/45
Apr.	Amt. Date	1.32 29/41	1.63 17/43	2.13 17/43	3.18 28/50	3.18 28/50	3.46 28-29/50
May	Amt. Date	1.92 17/42	1.95 17/42	1.95 17/42	2.50 8/40	3.05 8/40	4.17 9-10/43
Jun.	Amt. Date	1.40 22/42	1.75 10/40	2.05 10/40	2.83 12/49	3.56E 12/49	4.52E 11-12/49
Jul.	Amt. Date	1.30 27/45	2.49 27/45	2.69 27/45	2.91 27/45	2.91 27/45	3.35 27/45
Aug.	Amt. Date	2.05 19/46	4.05 19/46	5.10 19/46	6.00 19/46	6.01 19/46	6.01 19/46
Sep.	Amt. Date	1.63 25/45	1.85 9/41	2.18 9/41	2.63 25-26/45	3.36 25-26/45	3.78 25-26/45
Oct.	Amt. Date	1.36 2/41	1.52 2/41	1.76 3/41	2.50 3/41	2.70 2-3/41	4.71 2-3/41
Nov.	Amt. Date	1.95 8/42	2.30 8/42	2.76 8/42	2.95 8/42	2.96 8/42	2.96 8/42
Dec.	Amt. Date	1.00 14/48	1.07 14/48	1.10 14/48	1.35 11/46	2.12 11/46	2.36 10-11/46
Annual	Amt. Date	2.05 8/19/46	4.05 8/19/46	5.10 8/19/46	6.00 8/19/46	6.01 8/19/46	6.01 8/19/46

a Also 15/44

\*Formerly Springer (nr)

U.S. WEATHER BUREAU

Station: BENGAL

Drainage basin: ARKANSAS

County: LATIMER

Lat. 34° 50' Long. 95° 03'

Elev.(ft.) 575

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.60 26/49	0.77 24/49	1.14 24/49	1.94 24/49	3.17 24/49	4.73 23-24/49
Feb.	Amt. Date	0.69 26/48	0.76 25/48	0.95 20/45	1.72 20/45	2.14E 20/45	3.37 20-21/45
Mar.	Amt. Date	0.95 19/43	0.95 19/43	1.15 21/49	1.67 18-19/45	2.49 18-19/45	3.21 18-19/45
Apr.	Amt. Date	1.31 23/45	1.40 23/45	1.97 24/42	3.05 24/42	3.71 24/42	3.71 24/42
May	Amt. Date	2.75 14/45	4.95 14/45	5.05 14/45	5.05 14/45	5.25 14-15/45	5.60 9-10/43
Jun.	Amt. Date	1.05 10/45	2.05 10/45	2.11 10/45	2.16 10/45	2.28 23/48	3.06 10/45
Jul.	Amt. Date	2.37 29/50	3.27 29/50	3.47 29/50	3.75 29/50	3.85 29/50	3.85 29/50
Aug.	Amt. Date	1.25 26/44	2.10 18/49	2.62 18/49	2.89 18/49	2.89 18/49	3.02 18-19/49
Sep.	Amt. Date	1.23 15/50	1.67 24/43	2.06 29/43	2.43E 12/47	4.05 11-12/47	4.05 11-12/47
Oct.	Amt. Date	1.81 12/43	1.98 12/43	2.38 12/43	2.55 12/43	2.59 12/43	2.62 12/43
Nov.	Amt. Date	1.20 2/46	2.07 2/46	2.65 2/46	3.53 2/46	3.94 2/46	3.99 2-3/46
Dec.	Amt. Date	0.98 26/42	1.34 9/46	2.05 26/42	2.54 26/42	3.96 26/42	4.28 9-10/46
Annual	Amt. Date	2.75 5/14/45	4.95 5/14/45	5.05 5/14/45	5.05 5/14/45	5.25 5/14-15/45	5.60 5/9-10/43

U.S. WEATHER BUREAU

Station: BLACKWELL

Drainage basin: ARKANSAS

County: KAY

Lat. 36° 48' Long. 97° 18'

Elev.(ft.) 1020

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.54 26/44	0.56 26/44	0.63 4/46	0.75 4/46	1.03 8-9/46	1.42 5-6/47
Feb.	Amt. Date	0.28 2/43	0.53 2/43	0.65 2/43	0.80 14/42	0.97 14/42	1.35 17-18/46
Mar.	Amt. Date	1.06 24/45	1.38 24/45	1.43 24/45	1.51 24/45	1.59 24/45	2.16 11-12/47
Apr.	Amt. Date	1.30 15/41	1.48 15/41	1.50 15/41	1.60 10-11/45	1.87 10-11/45	2.25 14-15/47
May	Amt. Date	0.95a 18/43	1.75 9/48	2.60 9/48	4.12 9/48	4.35 9-10/48	4.35 9-10/48
Jun.	Amt. Date	1.46 19/42	1.84 21/42	2.32 21/42	2.74 21/42	3.78 20-21/42	3.78 20-21/42
Jul.	Amt. Date	2.26 9/44	2.91 9/44	2.94 9/44	3.06 9/44	3.22 9-10/44	3.22 9-10/44
Aug.	Amt. Date	1.65 7/41	1.75 7/41	1.80 7/41	1.84E 13/50	2.15 13/49	2.15 13/49
Sep.	Amt. Date	1.00 2/42	1.25 27/45	1.73 27/44	2.23 27/44	3.34 27-28/45	3.84 27-28/44
Oct.	Amt. Date	0.67 22/43	0.83 22/43	0.97 22/43	1.22 2/44	1.29 22/43	1.82 22-23/43
Nov.	Amt. Date	1.04 19/41	1.16 19/41	1.16 19/41	1.56 1/46	2.60 1/48	2.71 1/48
Dec.	Amt. Date	0.35 4/44	0.66 8/46	0.88 4/44	1.29 4/44	1.94 4/44	2.68 3-4/44
Annual	Amt. Date	2.26 7/9/44	2.91 7/9/44	2.94 7/9/44	4.12 5/9/48	4.35 5/9-10/48	4.35 5/9-10/48

a Also 9/48

U.S. WEATHER BUREAU

Station: BOISE CITY

Drainage basin: CIMARRON

County: CIMARRON

Lat. 36° 43' Long. 102° 30'

Elev.(ft.) 4170

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.18 26/49	0.28 20/45	0.36E 20/45	0.64E 20/45	0.92 20/45	0.92 20/45
Feb.	Amt. Date	0.28 25/49	0.39 17/46	0.45 21/45	0.69 21/45	0.80 20-21/45	0.80 20-21/45
Mar.	Amt. Date	0.21 1/48	0.40 1/48	0.50 1/48	0.57 1/48	0.92 1/48	1.02 1/48
Apr.	Amt. Date	0.65 28/44	1.05 28-29/44	1.50 28-29/44	1.88 28-29/44	2.10 28-29/44	2.37 17-18/42
May	Amt. Date	0.84 6/49	1.05 29/41	1.05 29/41	1.60a 29/41	2.02 28/46	2.21 26-27/44
Jun.	Amt. Date	2.23 16/50	2.57 16/50	3.55 16/50	4.04 16/50	4.11 16/50	4.11 16/50
Jul.	Amt. Date	1.66 3/50	1.75 3/50	1.75 3/50	1.75 3/50	1.75 3/50	1.81 3/50
Aug.	Amt. Date	1.95 7/48	2.23 26/50	2.38 26/50	2.52 26/50	2.52 26/50	2.52 26/50
Sep.	Amt. Date	1.34 7/48	1.64 7/48	1.73 7/48	1.82 7-8/48	2.06 7-8/48	2.23 21-22/41
Oct.	Amt. Date	0.63 1/50	1.09 1/50	1.28 1/50	1.61 17/42	2.18 17/42	2.35 17/42
Nov.	Amt. Date	0.70E 2/46	0.95E 2/46	1.12E 2/46	1.49E 2/46	1.90E 2-3/46	2.81E 2-3/46
Dec.	Amt. Date	0.22 3/44	0.37 3-4/44	0.39 3-4/44	0.55 3/47	0.65 3-4/47	0.92 3-4/47
Annual	Amt. Date	2.23 6/16/50	2.57 6/16/50	3.55 6/16/50	4.04 6/16/50	4.11 6/16/50	4.11 6/16/50

a Also 28/46

U. S. WEATHER BUREAU

Station: BROKEN ARROW

Drainage basin: ARKANSAS

County: TULSA

Lat. 36° 03' Long. 95° 46'

Elev.(ft.) 765

Period of record: 1918-1931

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.62 31/23	0.97 31/23	1.17 31/23	2.12 31/23	3.21 31/23	3.68 30-31/23
Feb.	Amt. Date	0.47 25/30	0.56 7/21	0.68 22/31	0.91 21-22/31	0.99 21-22/31	1.06 3-4/30
Mar.	Amt. Date	0.82(w) 11/23	1.34 11/23	1.66 11/23	2.16 11/23	2.47 11/23	3.08(w) 21/21
Apr.	Amt. Date	1.30(w) 25/21	1.66 25/21	2.32 25/21	3.65 25/21	3.76 25/21	3.76 25/21
May	Amt. Date	1.74(w) 17/30	2.23 17/30	2.26 17/30	2.39 8/29	2.68 8/29	2.70 8/29
Jun.	Amt. Date	1.34(w) 9/23	1.81 8-9/23	1.81a 8-9/23	2.54 23/21	3.80 23/21	4.53 23/21
Jul.	Amt. Date	1.50 3/30	2.04 3/30	2.09 3/30	2.89 18/24	3.87 18/24	3.87 18/24
Aug.	Amt. Date	2.26(x) 4/28	3.23 4/28	4.16 4/28	5.70 4/28	6.36 3-4/28	7.02 3-4/28
Sep.	Amt. Date	1.75(w) 4/18	2.03 4/18	2.25 4/18	2.45 4/18	2.50 27/24	3.10(w) 23-24/27
Oct.	Amt. Date	1.63 6/28	1.69 6/28	1.69 6/28	2.31 12-13/23	3.13 12-13/23	3.98 12-13/23
Nov.	Amt. Date	1.47 13/26	2.32 13/26	2.57 13/26	2.81 13/26	2.81 13/26	3.32(w) 6-7/18
Dec.	Amt. Date	0.55 15/29	0.74 6/22	0.93 6/22	1.38 6/22	1.69 12/23	2.49 11-12/23
Annual	Amt. Date	2.26(x) 8/4/28	3.23 8/4/28	4.16 8/4/28	5.70 8/4/28	6.36 8/3-4/28	7.02 8/3-4/28

a Also 5/30

U.S. WEATHER BUREAU

Station: CANEY

Drainage basin: RED

County: ATOKA

Lat. 34° 14' Long. 96° 12'

Elev.(ft.) 536

Period of record: 1944-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.60 27/49	0.65 27/49	0.91 13/50	1.05 13/50	1.60 24/49	2.35 24/49
Feb.	Amt. Date	1.40 12/49	1.40 12/49	1.40 12/49	1.90 20-21/45	2.30 20/45	3.04 20-21/45
Mar.	Amt. Date	0.69 11/45	1.00 29-30/45	1.20 21/49	1.54 12/47	1.70 29-30/45	2.10 29-30/45
Apr.	Amt. Date	1.41 23/45	1.50 23/45	1.76 28/50	1.86 28-29/50	1.92 28-29/50	1.92 28-29/50
May	Amt. Date	1.08 15/45	1.98 12/47	2.00 12/47	2.18 14-15/45	2.40 16-17/49	2.50 16-17/49
Jun.	Amt. Date	1.92 23/48	2.70 23/48	3.57 23/48	3.65 23/48	6.28 16-17/45	6.40 16-17/45
Jul.	Amt. Date	1.30 10/50	1.83 10/50	2.18 10/50	3.03 10/50	3.40 10/50	3.42 10/50
Aug.	Amt. Date	1.51 30/50	1.95 25/46	2.06 30/50	2.20 25-26/46	3.55 25-26/46	3.80 25-26/46
Sep.	Amt. Date	1.15 14/50	1.27 14/50	1.50 21/46	1.99 14/50	2.19 13-14/50	2.21 13-14/50
Oct.	Amt. Date	0.80 3/44	1.20 3/44	1.30 3/44	1.52 3-4/44	1.77 3-4/44	2.20 23-24/49
Nov.	Amt. Date	1.00 2/46	1.85 2/46	2.20 2/46	3.10 2/46	4.10 2/46	4.45 2/46
Dec.	Amt. Date	0.80 7/47	1.00 11/46	1.20 11/46	1.75 11/46	2.60 11/46	2.80 11/46
Annual	Amt. Date	1.92 6/23/48	2.70 6/23/48	3.57 6/23/48	3.65 6/23/48	6.28 6/16-17/45	6.40 6/16-17/45

U.S. WEATHER BUREAU

Station: CARTER TOWER

Drainage basin: RED

County: MCCURTAIN

Lat. 34° 15' Long. 94° 46'

Elev.(ft) 1300

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.20 8/46	1.40 8/46	1.50 7-8/46	1.86 12/50	2.80 12/50	3.69 12-13/50
Feb.	Amt. Date	0.75 13/46	1.24 11/50	1.40 25/44	1.76 11-12/50	3.28 11-12/50	4.33 11-12/50
Mar.	Amt. Date	2.29 29/45	2.90 29/45	3.31 29/45	3.75 29/45	5.20 28-29/45	5.96 28-29/45
Apr.	Amt. Date	1.30 9/49	1.70 9/49	2.00 9/49	2.11 9-10/49	2.30 7-8/42	2.79 7-8/42
May	Amt. Date	2.00 24/46	2.20 24/46	2.20 24/46	2.48 24-25/46	3.25 17-18/40	3.41 12-13/47
Jun.	Amt. Date	1.38 10/41	2.01 12/49	2.04 12/49	2.63 1-2/41	2.99 10/41	3.39 10-11/41
Jul.	Amt. Date	1.53 24/49	2.42 10/42	2.72 10/42	4.13 24/49	5.50 24/49	5.55 24/49
Aug.	Amt. Date	3.13 28/47	5.93 28/47	6.58 28/47	8.60 27-28/47	9.76 27-28/47	10.06 27-28/47
Sep.	Amt. Date	2.10 28/45	2.75 28/45	3.05 28/45	3.67 28/45	3.82 28/45	3.87 15-16/50
Oct.	Amt. Date	1.29 21/45	1.44 21/45	1.44 21/45	2.09 30/41	2.61 30/41	3.75 30-31/41
Nov.	Amt. Date	0.88 3/43	1.14 3/43	1.22 3/43	1.50a 4/42	2.18 4-5/42	3.05 2-3/46
Dec.	Amt. Date	0.70 26/42	1.09 26/42	1.30 26/42	2.28 26/42	2.84 26/42	3.00 31/47
Annual	Amt. Date	3.13 8/28/47	5.93 8/28/47	6.58 8/28/47	8.60 8/27-28/47	9.76 8/27-28/47	10.06 8/27-28/47

a Also 3/43



U. S. WEATHER BUREAU

Station: CHANDLER #2

Drainage basin: CANADIAN

County: LINCOLN

Lat. 35° 43' Long. 96° 52'

Elev.(ft.) 863

Period of record: 1943-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.09 17/45	0.14 17/45	0.17 <sup>a</sup> 7/44	0.30 7/44	0.46 7/44	0.69 7/44
Feb.	Amt. Date	0.84 27/50	1.10 27/50	1.10 27/50	1.10 27/50	1.10 27/50	1.36 11-12/50
Mar.	Amt. Date	0.87 11/45	1.17 14/45	1.45 14/45	1.91 14/45	1.94 14-15/45	1.96 14-15/45
Apr.	Amt. Date	1.90 12/45	2.45 12/45	2.45 12/45	2.46 12/45	2.70 14-15/45	3.08 13-14/45
May	Amt. Date	0.95 12,15/47	1.30 19/49	1.37 19/49	1.74 10/48	2.50 12/47	3.05 10/50
Jun.	Amt. Date	1.20 <sup>E</sup> 22/47	2.40 <sup>E</sup> 22/47	3.60 22/47	3.60 22/47	3.60 22/47	4.25 23-24/48
Jul.	Amt. Date	1.32 10/50	2.42 10/50	2.47 10/50	2.52 9-10/50	3.16 9-10/50	3.37 9-10/50
Aug.	Amt. Date	1.10 25/46	1.73 26/46	2.22 26/46	2.71 26/46	3.75 25-26/46	3.89 25-26/46
Sep.	Amt. Date	0.64 5/44	0.85 5/44	1.04 28/45	1.26 28/45	2.10 30/45	2.87 29-30/45
Oct.	Amt. Date	1.40 22/46	2.40 22/46	2.41 22/46	3.05 22/46	3.17 22/46	3.18 22/46
Nov.	Amt. Date	0.83 7/44	0.95 7/44	0.98 7/44	0.98 7/44	0.98 7/44	1.11 27/48
Dec.	Amt. Date	1.50 11/46	1.63 11/46	1.70 11/46	1.80 11/46	1.90 11/46	1.90 11/46
Annual	Amt. Date	1.90 4/12/45	2.45 4/12/45	3.60 6/22/47	3.60 6/22/47	3.75 8/25-26/46	4.25 6/23-24/48

<sup>a</sup> Also 7/45

U.S. WEATHER BUREAU

Station: CLEVELAND NO. 2

Drainage basin: ARKANSAS

County: PAWNEE

Lat. 36° 19' Long. 96° 29'

Elev.(ft.) 800

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.53 4/46	0.83 4/46	1.05 4/46	1.39 4/46	1.60 4-5/46	2.16 4-5/46
Feb.	Amt. Date	0.66 27/50	0.73 27/50	0.79 27/50	0.98 29-1/48	1.04 29-1/48	1.35 29-1/48
Mar.	Amt. Date	0.55 14/44	0.73 14-15/44	0.95 14-15/44	1.16 14-15/44	1.56 14-15/44	1.91 14-15/44
Apr.	Amt. Date	1.07 24/48	1.48 24-25/48	1.70 24-25/48	2.85 24-25/48	3.54 24-25/48	3.60 24-25/48
May	Amt. Date	1.60 30/46	1.78 30/46	2.10 18-19/49	2.34 18-19/49	2.39 18-19/49	3.59 18-19/49
Jun.	Amt. Date	1.09 12/44	1.28a 11/45	1.66 16/44	1.73 16/44	1.85E 27/49	2.77 10-11/45
Jul.	Amt. Date	2.17 10/50	2.40 9-10/50	2.58 6/49	3.06 9-10/50	3.66 9-10/50	3.96 9-10/50
Aug.	Amt. Date	1.96 6/44	2.75 6/45	2.98 6/45	3.01 6/45	3.02 6/45	3.02 6/45
Sep.	Amt. Date	1.25 28/45	1.43 28/45	1.48 28/45	2.03 28/45	2.55 24/45	3.05 29-30/45
Oct.	Amt. Date	0.69 2/50	0.83 2/50	0.91 2/50	1.17 2/50	1.50 2/50	1.55 2/50
Nov.	Amt. Date	0.90 2/46	0.92 2/46	1.35 2/46	1.79 2/46	2.53 2/46	3.00 27/48
Dec.	Amt. Date	0.37 3/47	0.45 4/44	0.62 4/44	0.97 4/44	1.39 4/44	2.19 3-4/44
Annual	Amt. Date	2.17 7/10/50	2.75 8/6/45	2.98 8/6/45	3.06 7/9-10/50	3.66 7/9-10/50	3.96 7/9-10/50

a Also 16/44

U.S. WEATHER BUREAU

Station: CUMBERLAND OIL FIELD

Drainage basin: RED

County: MARSHALL

Lat. 34° 05' Long. 96° 34'

Elev.(ft) 710

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.78 27/49	0.92 27/49	1.06 27/49	1.06 27/49	1.70 1/48	1.99 1/48
Feb.	Amt. Date	0.82 12/49	0.84 12-13/49	0.90 12,23/49	1.30 23/49	1.78 23/49	2.12 11-12/50
Mar.	Amt. Date	0.55 21/49	1.06 21/49	1.44 21/49	1.62 21/49	1.77E 20-21/49	1.82 20-21/49
Apr.	Amt. Date	0.57 28/50	0.87 28/50	0.90a 28/50	1.00 15/50	1.00 15/50	1.55 15-16/50
May	Amt. Date	2.30 10/48	2.50 10/48	2.85 10/48	3.20 10/48	3.35 10/48	3.57 24-25/48
Jun.	Amt. Date	1.00 11/49	1.23 3/50	1.30 11/49	1.30 11/49	1.32 11/49	1.71 11-12/49
Jul.	Amt. Date	1.60 26/50	1.80 26/50	2.45 10/48	2.60 10/48	2.70 10-11/48	4.78 10-11/48
Aug.	Amt. Date	1.65 17/50	1.99 17/50	2.27 17/50	2.29 17-18/50	2.29 17-18/50	3.22 17-18/50
Sep.	Amt. Date	1.10 19/49	1.50 7/49	1.50 7/49	1.50 7/49	1.87 14/49	1.87 14/49
Oct.	Amt. Date	0.60 21/49	0.90 21/49	1.10 21/49	1.18 21/49	1.38 21/49	2.35 23-24/49
Nov.	Amt. Date	0.08 11/49	0.10 1/48	0.10 1/48	0.12 3/50	0.18 3/50	0.18 3/50
Dec.	Amt. Date	0.23 25/49	0.35 25/49	0.46 25/49	0.64 25/49	0.80 25/49	0.82 25/49
Annual	Amt. Date	2.30 5/10/48	2.50 5/10/48	2.85 5/10/48	3.20 5/10/48	3.35 5/10/48	4.78 7/10-11/48

a Also 15/50

U.S. WEATHER BUREAU

Station: DUNCAN

Drainage basin: RED

County: STEPHENS

Lat. 34° 29' Long. 97° 59'

Elev.(ft.) 1126

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.45 4/46	0.70 4/46	0.95 4/46	1.50 4/46	1.65 4/46	1.85 31-1/41
Feb.	Amt. Date	0.67 13/46	0.93 12/50	0.94 12/50	1.42 11/50	1.81 7-8/44	2.55 11-12/50
Mar.	Amt. Date	0.89 18/45	0.92 18/45	0.94 18/45	0.95 18/45	0.95b 18/45	1.25 24-25/43
Apr.	Amt. Date	1.00 3/47	2.00 3/47	2.00 3/47	2.10 18/42	2.24 7-8/42	2.60 14-15/41
May	Amt. Date	2.11 10/50	4.17 10/50	4.49 10/50	5.57 10/50	6.11 10/50	6.88 9-10/50
Jun.	Amt. Date	1.45a 1/41	2.13 10/50	2.15 10/50	2.15 10/50	2.68 29/46	2.68 29/46
Jul.	Amt. Date	2.69 4/50	3.16 4/50	3.53 4/50	4.11 4/50	4.13 4/50	4.13 4/50
Aug.	Amt. Date	1.35 15/42	1.77 30/44	2.65 30/44	3.40 15/42	3.60 15/42	4.62 14-15/42
Sep.	Amt. Date	0.93 9/41	1.28 28/44	1.63 8-9/41	2.92 8-9/41	3.79 8-9/41	3.79 8-9/41
Oct.	Amt. Date	1.12 2/50	1.72 2/50	1.85 14-15/41	2.92 29/41	5.15 29-30/41	6.02 29-30/41
Nov.	Amt. Date	0.43 4/42	0.68 4/42	0.88 4/42	1.22 4/42	1.75 13-14/47	1.85 25/40
Dec.	Amt. Date	0.59 11/46	1.03 11/46	1.43 11/46	2.50 11/46	3.70 10-11/46	4.61 10-11/46
Annual	Amt. Date	2.69 7/4/50	4.17 5/10/50	4.49 5/10/50	5.57 5/10/50	6.11 5/10/50	6.88 5/9-10/50

a Also 10/50

b Also 24/43

U.S. WEATHER BUREAU

Station: ELK CITY

Drainage basin: RED

County: BECKHAM

Lat. 35° 25' Long. 99° 23'

Elev.(ft.) 1957

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50 7/44	0.58 7/44	0.65 7/44	0.80 7/44	0.99E 7-8/44	1.27E 7-8/44
Feb.	Amt. Date	0.62 26/48	0.77 26/48	1.05 26/48	1.62 26/48	2.21 26-27/48	2.24 26-27/48
Mar.	Amt. Date	0.93 18/48	1.03 18/48	1.06 14/45	1.21 14/45	1.21 14/45	1.21 14/45
Apr.	Amt. Date	1.01 10/40	1.65 30/41	1.85 30/41	1.99 30/41	1.99 30/41	2.00 29-30/41
May	Amt. Date	1.93 20/41	2.95 26-27/43	3.04 26-27/43	3.23 26-27/43	3.26 26-27/43	3.43 20-21/41
Jun.	Amt. Date	1.15 30/46	2.19 24/49	2.25 24/49	2.30 24/49	2.30 24/49	2.30 24/49
Jul.	Amt. Date	2.70 1/40	3.50 1/40	3.50 1/40	3.50 1/40	3.50 1/40	3.50 1/40
Aug.	Amt. Date	1.60 15/45	1.90 15/45	2.10 15/45	2.42 15/45	2.83 15/45	2.84 14-15/45
Sep.	Amt. Date	0.75 7/48	1.10 3/49	1.25 3/49	1.35 3/49	2.16 18-19/42	2.30 18-19/42
Oct.	Amt. Date	1.02 16/42	1.42 16/42	1.55 16/42	1.81 6/46	2.85 6/46	3.71 5-6/46
Nov.	Amt. Date	0.57 6/44	0.75 6/44	0.75 6/44	0.87 25/40	1.02 25/40	1.29 24-25/40
Dec.	Amt. Date	0.26 3/47	0.44 27/42	0.56 27/42	0.95 3/47	1.33 8-9/43	1.55 8-9/43
Annual	Amt. Date	2.70 7/1/40	3.50 7/1/40	3.50 7/1/40	3.50 7/1/40	3.50 7/1/40	3.71 10/5-6/46

U.S. WEATHER BUREAU

Station: EVA

Drainage basin: CANADIAN

County: TEXAS COUNTY

Lat. 36° 46' Long. 101° 53'

Elev.(ft.) 3574

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.35 20/45	0.39 20/45	0.41 20/45	0.58 26/44	0.70 20/45	0.70 20/45
Feb.	Amt. Date	0.20a 27/48	0.25 27/48	0.28 27/48	0.35 28/48	0.50 20-21/45	0.72 27-28/48
Mar.	Amt. Date	0.58 11/47	0.63 1/48	0.80 1/48	0.89 1/48	1.07 1/48	1.09 1/48
Apr.	Amt. Date	0.75 9/47	0.96 28-29/44	1.22 28-29/44	1.40 28-29/44	1.85 19-20/42	2.21 19-20/42
May	Amt. Date	0.97 31/48	1.12 31/48	1.65 27/40	1.65 27/40	2.60 19-20/41	2.70 19-20/41
Jun.	Amt. Date	1.14 9/43	1.60 9/43	1.90 9/43	2.16 7-8/42	3.01 7-8/42	4.72 7-8/42
Jul.	Amt. Date	1.28 11/50	1.28 11/50	1.28 11/50	1.45 11-12/50	1.45 11-12/50	1.45 11-12/50
Aug.	Amt. Date	1.00 27/46	1.29 27/46	1.39 27/46	1.90 27/46	2.00 27-28/46	2.10 27-28/46
Sep.	Amt. Date	1.20 25/50	1.28 25/50	1.33 25/50	1.35 25/50	1.67 25/50	2.31 24-25/50
Oct.	Amt. Date	0.60 1/50	0.67 13-14/42	0.77 13-14/42	1.33 7/46	1.73 6-7/46	2.23 6-7/46
Nov.	Amt. Date	0.22 6/44	0.30 1/48	0.40 <u>31-1/48</u>	1.05 <u>31-1/48</u>	1.30 <u>31-1/48</u>	1.30 <u>31-1/48</u>
Dec.	Amt. Date	0.30 3/44	0.55 3/44	0.70 2-3/44	1.00 2-3/44	1.10 2-3/44	1.40 2-3/44
Annual	Amt. Date	1.28 7/11/50	1.60 6/9/43	1.90 6/9/43	2.16 6/7-8/42	3.01 6/7-8/42	4.72 6/7-8/42

a Also 25/49

U.S. WEATHER BUREAU

Station: FORT GIBSON DAM

Drainage basin: ARKANSAS

County: WAGONER

Lat. 35° 52' Long. 95° 14'

Elev.(ft.) 744

Period of record: 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.38 3/50	0.60 3/50	0.80 3/50	1.25 3/50	1.40 3/50	1.55 3/50
Feb.	Amt. Date	0.63 11/50	0.83 11/50	1.01 11/50	1.09 11/50	1.13 11/50	1.55 11-12/50
Mar.	Amt. Date	0.60 11/50	0.60 11/50	0.60 11/50	0.60 11/50	0.60 11/50	0.60 11/50
Apr.	Amt. Date	0.94 2/50	1.74 2/50	1.78 2/50	1.94 2-3/50	1.94 2-3/50	2.49 2-3/50
May	Amt. Date	2.31 25/50	2.40 25/50	2.40 25/50	3.16 10/50	5.15 9-10/50	8.35 9-10/50
Jun.	Amt. Date	1.00 7/49	1.33 7/49	1.40 7/49	2.15 11/49	2.15 11/49	2.15 11/49
Jul.	Amt. Date	1.50 8/49	1.63 8/49	1.78 8/49	1.87 8/49	1.91 7-8/49	2.74 31-1/49
Aug.	Amt. Date	1.06 1/50	1.56 1/50	1.66 1/50	1.70 1/50	2.58 1/50	2.60 1/50
Sep.	Amt. Date	0.75 12/49	0.85 14/49	1.05 14/49	1.46 14/49	2.48 14/49	2.55 14/49
Oct.	Amt. Date	0.50 3/49	0.70 3/49	0.78 3/49	0.83 3/49	0.85 3/49	1.02 23-24/49
Nov.	Amt. Date	0.48 11/49	0.48 11/49	0.49 11/49	0.68 3/50	0.80 3/50	0.89 3/50
Dec.	Amt. Date	0.40 10/49	0.70 10/49	0.89 10/49	1.15 10/49	1.42 10/49	1.42 10/49
Annual	Amt. Date	2.31 5/25/50	2.40 5/25/50	2.40 5/25/50	3.16 5/10/50	5.15 5/9-10/50	8.35 5/9-10/50

U. S. WEATHER BUREAU

Station: FORT SUPPLY DAM

Drainage basin: CANADIAN

County: WOODWARD

Lat. 36° 33' Long. 99° 35'

Elev.(ft.) 2075

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.34 26/44	0.38 26/44	0.44 26/44	0.44 26/44	0.65E 9-10/49	1.30 9-10/49
Feb.	Amt. Date	0.40 26/48	0.52 18/40	0.70 26-27/48	1.08 26/48	1.76 26-27/48	1.76 26-27/48
Mar.	Amt. Date	0.60 18/48	0.82 12/47	0.85 12/47	1.11 12/47	1.65 12/47	2.20 12-13/47
Apr.	Amt. Date	0.78 22/44	1.31 22/44	1.54 22/44	2.16 21-22/44	2.18 21-22/44	2.18 21-22/44
May	Amt. Date	1.25 11/45	1.96 24/50	1.96 24/50	2.06 23/41	2.44 23/41	3.20 22-23/41
Jun.	Amt. Date	1.12 10/50	1.35 6/43	1.40 10/50	1.68 10/50	1.82 27/48	2.28 27/48
Jul.	Amt. Date	1.30 12/49	1.90 25/50	1.91 28/50	2.17 6/45	2.17 6/45	3.05 24-25/50
Aug.	Amt. Date	1.30 26/50	1.94 26/50	2.02 26/50	2.17 26/50	2.19 26/50	2.19 26/50
Sep.	Amt. Date	1.01 15/50	1.05 15/50	1.08 21/45	1.22 28/41	1.60 28/41	2.85 27-28/45
Oct.	Amt. Date	1.56 2/42	2.20 9/49	2.32 2-3/42	2.72 a 2-3/42	2.82 2-3/42	2.82 2-3/42
Nov.	Amt. Date	0.70 1/48	0.80 1/48	1.00 <u>31-1/48</u>	1.30 <u>31-1/48</u>	2.10 <u>31-1/48</u>	2.40 <u>31-1/48</u>
Dec.	Amt. Date	0.37 21/49	0.55 21/49	0.78E 11/46	1.07 21/49	1.61E 9/43	2.05E 4-5/44
Annual	Amt. Date	1.56 10/2/42	2.20 10/9/49	2.32 10/2-3/42	2.72 a 10/2-3/42	2.82 10/2-3/42	3.20 5/22-23/41

a Also 10/9/49



U. S. WEATHER BUREAU

Station: GEARY

Drainage basin: CANADIAN

County: BLAINE

Lat. 35° 38' Long. 98° 19'

Elev.(ft.) 1547

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.57 27/44	0.60 27/44	0.64 27/44	0.79 9-10/49	1.09 9-10/49	1.50 9-10/49
Feb.	Amt. Date	0.30a 25/48	0.47 25/48	0.47 25/48	0.72 18/46	1.26 17-18/46	1.59 17-18/46
Mar.	Amt. Date	0.53 18/48	0.75 14-15/44	1.10 24/45	1.20b 21/44	1.38 21/44	1.60 14-15/44
Apr.	Amt. Date	1.35 8/47	1.90 9/44	1.90 9/44	2.16 8/47	3.35 9-10/44	3.40 9-10/44
May	Amt. Date	2.55 20/49	3.60 20-21/49	3.60 20-21/49	3.62 20-21/49	3.62 20-21/49	3.62 20-21/49
Jun.	Amt. Date	1.97 22/48	3.80 22/48	5.19 22/48	8.63 22/48	10.78 22-23/48	11.05 22-23/48
Jul.	Amt. Date	1.95 19/50	2.57 19/50	3.10 9-10/45	3.20 9-10/45	3.20 9-10/45	3.20 9-10/45
Aug.	Amt. Date	1.46 16/50	2.73 16/50	3.46 16/50	3.65 16/50	3.75 16/50	4.79 15-16/50
Sep.	Amt. Date	1.70 4/50	2.17 4/50	2.27 4/50	2.40 28/45	2.95 28/45	3.05 28/45
Oct.	Amt. Date	0.85 1/44	1.27 4/49	1.32 4/49	1.84 22/41	2.95 22/41	3.00 22/41
Nov.	Amt. Date	0.62 19/41	0.64 19/41	0.65c 19/41	0.98 25/40	1.81 25/40	2.31 24-25/40
Dec.	Amt. Date	0.48 3/47	0.62 3/47	0.80 4/44	1.28 3/47	2.18 3/47	2.76 3/47
Annual	Amt. Date	2.55 5/20/49	3.80 6/22/48	5.19 6/22/48	8.63 6/22/48	10.78 6/22-23/48	11.05 6/22-23/48

a Also 27/44

b Also 24/45

c Also 27/48

U.S. WEATHER BUREAU

Station: GOODWELL

Drainage basin: CANADIAN

County: TEXAS

Lat. 36° 36' Long. 101° 39'

Elev.(ft.) 3300

Period of record: 1941-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.30 26/44	0.59 26/44	0.77 26/44	0.85 26/44	0.95 26/44	0.96 26/44
Feb.	Amt. Date	0.25E 27/48	0.50 27/48	0.73 27/48	1.02 27/48	1.23 26-27/48	1.64 26-27/48
Mar.	Amt. Date	0.30 14/44	0.43 14/44	0.46 14/44	0.49 14/44	0.56 15-16/42	0.75 6-7/48
Apr.	Amt. Date	0.88 6/42	0.90 6/42a	1.15 29/44	1.25 29/44	1.35 28-29/44	1.35 28-29/44
May	Amt. Date	0.95 10/44	1.29 10-11/44	1.31 10-11/44	1.48 28/46	2.34 26/44	3.30 26-27/44
Jun.	Amt. Date	2.05 30/46	2.82 30/46	2.84 30/46	3.20 7-8/42	3.70 8/42	4.68 7-8/42
Jul.	Amt. Date	1.23 2/41	1.45 2-3/50	1.72 10/49	2.04 10/49	2.30 10/49	2.62 9-10/49
Aug.	Amt. Date	1.95 26/48	1.95 26/48	1.95 26/48	2.65 21/45	2.96 21/45	2.96 21/45
Sep.	Amt. Date	0.80 25/50	1.26 25/50	1.29 25/50	1.29 25/50	1.69 4/50	2.44 24-25/50
Oct.	Amt. Date	1.35 21/41	2.22 21/41	2.94 21/41	3.18 21/41	3.33 21/41	3.75 21-22/41
Nov.	Amt. Date	0.32 1/48	0.40 <u>31-1/48</u>	0.65 <u>31-1/48</u>	1.28 31-1/48	1.46 31-1/48	1.65 31-1/48
Dec.	Amt. Date	0.28 4/44	0.53 4/44	0.77 4/44	1.00 3-4/44	1.06 3-4/44	1.78 11-12/43
Annual	Amt. Date	2.05 6/30/46	2.82 6/30/46	2.94 10/21/41	3.20 6/7-8/42	3.70 6/8/42	4.68 6/7-8/42

a Also 29/44

U.S. WEATHER BUREAU

Station: GRAND RIVER DAM

Drainage basin: ARKANSAS

County: MAYES

Lat. 36° 28' Long. 95° 03'

Elev.(ft.) 766

Period of record: 1943-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.57 27/44	0.64 8/46	0.80 23/49	1.10 23/49	1.50 22-23/49	1.86 3/50
Feb.	Amt. Date	0.57 27/50	0.75 11,27-28/50	1.02 13/46	1.21 13/46	1.41 12-13/46	1.75 13/46
Mar.	Amt. Date	0.61 15/46	0.87 21/48	0.87 21/48	1.23 14/45	1.60 22/48	1.74 18-19/45
Apr.	Amt. Date	1.30 12/45	1.85 12/45	2.80 12/45	3.50 12/45	3.55 12-13/45	3.55 12-13/45
May	Amt. Date	1.52 19/49	1.87 19/49	2.77 16-17/43	3.21 16-17/43	3.35 16-17/43	5.07 9-10/43
Jun.	Amt. Date	1.95 30/46	2.75 30/46	3.20 29-30/46	3.44 29-30/46	3.65 29-30/46	5.00 21-22/48
Jul.	Amt. Date	1.60 8/49	2.60 7-8/49	2.90 7-8/49	3.20 7-8/49	3.40 7-8/49	3.40 7-8/49
Aug.	Amt. Date	2.08 5/46	2.48 5/46	2.48 5/46	3.06E 8/48	4.59 8/48	4.59 8/48
Sep.	Amt. Date	1.52 4/44	2.16 4/44	2.26 4/44	2.74 24/45	4.10 24/45	5.78 23-24/45
Oct.	Amt. Date	0.64 2/44	0.86 23/43	1.09 23/46	1.42 23/43	1.74 23/43	2.42 22-23/43
Nov.	Amt. Date	0.86 11/49	1.00 2/46	1.35 2/46	2.09 2/46	2.12 2/46	2.85E 1-2/46
Dec.	Amt. Date	0.29 14/48	0.46 14/48	0.60 27/43	0.90 27/43	1.02 27/43	1.44E 31-1/47
Annual	Amt. Date	2.08 8/5/46	2.75 6/30/46	3.20 6/29-30/46	3.50 4/12/45	4.59 8/8/48	5.78 9/23-24/45

U.S. WEATHER BUREAU

Station: GREAT SALT PLAINS DAM

Drainage basin: ARKANSAS

County: ALFALFA

Lat. 36° 45' Long. 98° 07'

Elev.(ft) 1195

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.38 4/46	0.43 4/46	0.48 4/46	0.60 10/49	0.93 10/49	1.30 9-10/49
Feb.	Amt. Date	0.60 26/48	0.70 26/48	0.73 26-27/48	0.80 26/49	1.10 26/49	1.30 26/49
Mar.	Amt. Date	0.55 12/47	0.83 12/47	0.90 12/47	1.65 12/47	2.22 12/47	2.40 12-13/47
Apr.	Amt. Date	0.95 26/49	1.20 26-27/49	1.28 15/45	1.63 18/42	2.41 21-22/44	2.49 21-22/44
May	Amt. Date	1.55 28/49	2.09 19/43	2.29 19/43	2.85 19/43	3.22 19-20/43	3.73 19-20/43
Jun.	Amt. Date	1.22 27/45	1.61 5/42	1.88E 26/50	2.50 26/50	2.50 26/50	2.50 26/50
Jul.	Amt. Date	1.54 28/50	1.89 29/50	3.06 29/50	3.73 29/50	4.35 29/50	5.97 28-29/50
Aug.	Amt. Date	2.90 26/41	3.30 26/41	3.30 26/41	3.30 26/41	3.30 26/41	3.30 26/41
Sep.	Amt. Date	1.35 30/41	1.77 27/45	2.02 27-28/45	2.51 27-28/45	2.75 27-28/45	2.95 27-28/45
Oct.	Amt. Date	1.43 18/49	1.53 18/49	2.47 31-1/48	3.00 31-1/48	3.00 31-1/48	3.37 31-1/48
Nov.	Amt. Date	1.37 1/48	1.90 1/48	2.47 <u>31-1/48</u>	3.00 <u>31-1/48</u>	3.00 <u>31-1/48</u>	3.37 <u>31-1/48</u>
Dec.	Amt. Date	0.50 3/47	0.88 3/47	1.12 3/47	1.80 3/47	2.54 3/47	2.96 3/47
Annual	Amt. Date	2.90 8/26/41	3.30 8/26/41	3.30 8/26/41	3.73 7/29/50	4.35 7/29/50	5.97 7/28-29/50

U.S. WEATHER BUREAU

Station: GUTHRIE SCS

Drainage basin: CIMARRON

County: LOGAN

Lat. 35° 48' Long. 97° 26'

Elev.(ft.) 980

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.41 4/46	0.64 4/46	0.78 4/46	1.10 4/46	1.20a 4/46	1.36 4-5/46
Feb.	Amt. Date	0.45 16/45	0.58 27/50	0.61 16/45	1.13 16/40	1.62 16/40	1.79 16-17/40
Mar.	Amt. Date	0.62 15/44	0.65 20/48	0.66 15/44	0.88 1/48	1.30 15/44	1.50b 14-15/44
Apr.	Amt. Date	1.87 8/47	1.97 8/47	2.25 24/48	2.53 24/48	3.37 24-25/48	3.37 24-25/48
May	Amt. Date	2.18 18/49	4.06 18/49	5.52 18-19/49	6.37 18-19/49	6.43 18-19/49	6.73 18-19/49
Jun.	Amt. Date	1.93 2/49	3.05 2/49	3.54 2/49	3.78 2/49	5.02 22-23/48	5.10 22-23/48
Jul.	Amt. Date	1.50 20/40	1.52 20/40	1.52 20/40	1.52 20/40	1.53 20/40	1.74 20-21/50
Aug.	Amt. Date	1.04 7/41	1.39 10/42	1.91 26/46	2.39 26/46	2.40 26/46	2.48 25-26/46
Sep.	Amt. Date	1.69 5/41	2.76 5/41	3.10 5/41	4.08 5/41	5.02 4-5/41	5.02 4-5/41
Oct.	Amt. Date	1.26 22/46	1.30 22/46	1.40c 22-23/43	1.80 10/44	1.80d 22-23/43	2.66 22-23/43
Nov.	Amt. Date	1.10 2/46	1.20 2/46	1.20 2/46	1.35 2/46	1.49 2/46	1.93 27-28/48
Dec.	Amt. Date	0.43 21/49	0.47 21/49	0.68 4/44	0.99 4/44	1.27 4/44	1.55 4-5/44
Annual	Amt. Date	2.18 5/18/49	4.06 5/18/49	5.52 5/18-19/49	6.37 5/18-19/49	6.43 5/18-19/49	6.73 5/18-19/49

a Also 23-24/49

b Also 29-1/48

c Also 10/44

d Also 10/44

U.S. WEATHER BUREAU

Station: HEAVENER EXP. FARM

Drainage basin: ARKANSAS

County: LE FLORE

Lat. 34° 55' Long. 94° 36'

Elev.(ft.) 556

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.08 1/41	1.45 1/41	1.72 1/41	2.58 24/49	4.01 24/49	5.79 24/49
Feb.	Amt. Date	0.90 11/50	1.55 11/50	1.75 11/50	1.88 11/50	2.14 11-12/50	3.59 20-21/45
Mar.	Amt. Date	1.19 19/45	1.29 19/45	1.32 19/45	1.91 18-19/45	3.17 18-19/45	4.82 18-19/45
Apr.	Amt. Date	1.50 10/48	2.00 10/48	2.41 10/48	2.67 10/48	2.70 9-10/48	2.70 9-10/48
May	Amt. Date	2.13 19/43	2.73 19/43	3.07 19/43	3.69 10/43	4.49 10/43	5.64 9-10/43
Jun.	Amt. Date	1.75 30/46	2.15 30-1/46	2.15 30-1/46	2.19 30-1/46	2.30 10-11/45	4.46 10-11/45
Jul.	Amt. Date	1.23 5/45	2.15 30-1/46	2.15 30-1/46	2.19 30-1/46	2.58 21-22/50	3.09 30-1/46
Aug.	Amt. Date	2.05 26/44	3.58 26/44	3.80 26/44	4.34 27-28/47	4.76 27-28/47	4.76 27-28/47
Sep.	Amt. Date	1.35 11/47	2.10 11/47	2.45 11/47	3.00 11-12/47	3.15 11-12/47	3.15 11-12/47
Oct.	Amt. Date	0.97 12/43	1.47 12/43	1.58 12/43	2.16 12/43	2.48 12-13/43	2.84 30-31/41
Nov.	Amt. Date	0.78 2/46	1.30 2/46	1.68 2/46	2.15 2/46	2.53 2/46	2.72 1-2/46
Dec.	Amt. Date	1.10 15/48	1.95 14-15/48	2.00 14-15/48	2.75 14-15/48	3.05 14-15/48	3.40 14-15/48
Annual	Amt. Date	2.13 5/19/43	3.58 8/26/44	3.80 8/26/44	4.34 8/27-28/47	4.76 8/27-28/47	5.79 1/24/49

U.S. WEATHER BUREAU

Station: HENNEPIN\*

Drainage basin: WASHITA

County: GARVIN

Lat. 34° 31' Long. 97° 21'

Elev.(ft.) 940

Period of record: 1943-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.95 4/46	1.63 4/46	1.78 4/46	2.77 4/46	3.64 4/46	4.24 4-5/46
Feb.	Amt. Date	0.92 16/46	1.11 16/46	1.12 16/46	1.12 16/46	1.12 16/46	1.22E 16-17/46
Mar.	Amt. Date	2.15 14/45	3.67 14/45	3.97 14/45	4.67 14/45	4.67 14/45	4.67 14/45
Apr.	Amt. Date	1.05 23/45	1.55 23/45	1.70 23/45	1.72 23/45	1.88 22-23/46	2.48 22-23/46
May	Amt. Date	2.13 9/50	3.28 9/50	3.94 9/50	4.63 9/50	4.83 9-10/50	6.82E 10-11/50
Jun.	Amt. Date	1.51 7/45	2.26 7/45	2.75 7/45	2.85 7/45	2.85 7/45	3.31 24-25/48
Jul.	Amt. Date	1.03 10/45	2.03 10/45	2.45 10/45	3.50 27/45	3.50 27/45	3.50 27/45
Aug.	Amt. Date	1.35 23/50	1.66 23/50	1.73 23/50	2.15 23/50	2.15 23/50	2.15 23/50
Sep.	Amt. Date	0.95 28/45	1.45 28/45	1.75 28/45	2.35 28/45	2.99 25-26/45	4.77 25-26/45
Oct.	Amt. Date	0.78 21/49	1.00 3/50	1.53 3/50	1.83 3/50	1.95 2-3/44	2.86 3/44
Nov.	Amt. Date	0.60 7/44	0.85 7/44	0.90 7/44	1.23 24/44	1.79 24/44	1.88 24-25/44
Dec.	Amt. Date	1.38 15/48	2.30 15/48	2.40 15/48	2.58 15/48	2.58 15/48	2.58 15/48
Annual	Amt. Date	2.15 3/14/45	3.67 3/14/45	3.97 3/14/45	4.67 3/14/45	4.83 5/9-10/50	6.82E 5/10-11/50

\*Formerly Davis

U.S. WEATHER BUREAU

Station: HEYBURN DAM 4E

Drainage basin: ARKANSAS

County: CREEK

Lat. 35° 57' Long. 96° 18'

Elev.(ft.) 825

Period of record: 1949-1950

Month	Amt. Date	Duration (hours)					
		1	2	3	6	12	24
Jan.	0.20 25/50	0.22 25/50	0.22 25/50	0.37 3/50	0.70E 3/50	0.85 3/50	
Feb.	0.82 28/50	1.00 27-28/50	1.40 27-28/50	1.49 27-28/50	1.50 27-28/50	1.50 27-28/50	
Mar.	0.35 11/50	0.40 11/50	0.40 11/50	0.40 11/50	0.40 11/50	0.40 11/50	
Apr.	0.25 2/50	0.32 2/50	0.34 2/50	0.40 2/50	0.40 2/50	0.40 2/50	
May	0.46 9/50	0.70 18/50	0.79 10/50	1.31 10/50	1.88 10/50	3.00 10-11/50	
Jun.	0.39 2/50	0.49 2/50	0.54 2/50	0.65 2-3/50	0.65 2-3/50	1.00 2-3/50	
Jul.	1.90 10/50	2.50 10/50	2.70 10/50	2.99 10/50	2.99 10/50	3.64 10-11/50	
Aug.	1.04 13/49	1.35 13/49	1.40 13-14/49	1.41 13-14/49	1.41 13-14/49	1.41 13-14/49	
Sep.	1.20 14/50	1.45 14/50	1.61 14-15/50	2.06 14/49	2.58 14/49	2.65 14-15/49	
Oct.	0.35 21/49	0.37 4/49	0.52 4/49	0.75 23-24/49	1.01 23-24/49	1.40 23-24/49	
Nov.	0.13 3/50	0.18 3/50	0.18 3/50	0.28 2-3/50	0.38 2-3/50	0.58 2-3/50	
Dec.	0.50 10/49	0.60 10/49	0.85 10/49	0.92 10/49	0.92 10/49	0.92 10/49	
Annual	1.90 7/10/50	2.50 7/10/50	2.70 7/10/50	2.99 7/10/50	2.99 7/10/50	3.64 7/10-11/50	



U.S. WEATHER BUREAU

Station: HOBART CAA AP

Drainage basin: RED

County: KIOWA

Lat. 35° 00' Long. 99° 03'

Elev.(ft.) 1536

Period of record: 1943-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.42 26/44	0.50 26/44	0.61 26/44	0.81 17/45	1.33 17/45	1.57 17/45
Feb.	Amt. Date	0.19 12/49	0.32 26/44	0.45 27/44	0.79 27/44	0.98 27/44	1.01 27-28/44
Mar.	Amt. Date	0.76 14/44	0.98 14-15/44	1.02 14-15/44	1.11 14-15/44	1.19 14-15/44	1.22 14-15/44
Apr.	Amt. Date	0.97 10/45	1.05 10/45	1.35 10/45	2.35 10/45	2.45 10-11/45	2.45 10-11/45
May	Amt. Date	1.27 17/49	1.71 17/49	1.81 17/49	3.09 17/49	4.08 17/49	4.08 17/49
Jun.	Amt. Date	1.80 2/49	2.60 2/49	2.60 2/49	2.80 2-3/49	2.80 2-3/49	2.80 2-3/49
Jul.	Amt. Date	1.82 17/50	3.06 17/50	3.84 17/50	3.99 17/50	4.39 16-17/50	4.48 16-17/50
Aug.	Amt. Date	0.80 25/44	1.07 25/44	1.47 25/44	1.47 25/44	1.69 25-26/44	1.76 25-26/44
Sep.	Amt. Date	0.55 28/45	0.86 28/45	1.20 28/45	1.52 28/45	2.05 28-29/45	2.20 28/45
Oct.	Amt. Date	0.41 2/49	0.87 21/49	0.93 15/47	1.85 15/47	2.16 15/47	2.16 15/47
Nov.	Amt. Date	0.60 6/44	0.66 6/44	0.72 27/48	0.75 27/48	0.75 27/48	0.75 27/48
Dec.	Amt. Date	0.22 9/43	0.41E 21/49	0.62E 21/49	1.22 21/49	1.97 3/47	3.28 3/47
Annual	Amt. Date	1.82 7/17/50	3.06 7/17/50	3.84 7/17/50	3.99 7/17/50	4.39 7/16-17/50	4.48 7/16-17/50

U.S. WEATHER BUREAU

Station: HUGO\*

Drainage basin: RED

County: CHOCTAW

Lat. 34° 01' Long. 95° 30'

Elev.(ft.) 605

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	1.30 24/49	2.15 24/49	2.90 24/49	4.55 24/49	5.40 24/49	7.60 24-25/49
Feb.	Amt. Date	0.60 12/50	0.98 12/50	1.12 20-21/45	1.83 12/50	2.65 12/50	3.61 11-12/50
Mar.	Amt. Date	1.55a 18, 29/45	2.09 29/45	2.54 29/45	3.24 28-29/45	3.89 29/45	4.71 28-29/45
Apr.	Amt. Date	1.60 9/49	2.00 9/49	2.15 9/49	3.15 22-23/41	3.82 22-23/41	4.52 16-17/43
May	Amt. Date	1.50b 1/44	2.30 23/48	2.50 23/48	2.76 21/40	3.28 20-21/40	4.35 10-11/48
Jun.	Amt. Date	1.45 1/41	1.96E 8/49	2.94 8/49	2.94 8/49	2.94 8/49	2.94 8/49
Jul.	Amt. Date	1.40 11/48	1.93 11-12/48	2.09 11-12/48	2.30 11-12/48	2.83 11-12/48	3.17 11-12/48
Aug.	Amt. Date	1.43 27/48	1.47 27/48	1.56 16/42	1.78 28/47	2.81 15-16/42	2.85 15-16/42
Sep.	Amt. Date	1.51 14/50	1.86 14/50	2.01 14/50	2.84 14/50	3.35 16/50	3.42 16/50
Oct.	Amt. Date	1.57 21/49	2.92 21/49	3.07 21/49	3.40 21/49	3.88 21/49	3.90 21/49
Nov.	Amt. Date	0.67 10/40	1.20 4/42	1.53 4/42	1.65 4/42	2.29 4/42	2.61 4-5/42
Dec.	Amt. Date	1.18 26/42	1.70 31/47	1.87 31/47	2.40 31/47	3.25 31/47	3.78 31/47
Annual	Amt. Date	1.60 4/9/49	2.92 10/21/49	3.07 10/21/49	4.55 1/24/49	5.40 1/24/49	7.60 1/24-25/49

a Also 29/45

b Also 23/48

\*Formerly Grant

U.S. WEATHER BUREAU

Station: HULAH DAM

Drainage basin: ARKANSAS

County: OSAGE

Lat. 36° 55' Long. 96° 06'

Elev.(ft.) 744

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.90 4/46	1.30 4/46	1.60 4/46	1.90 4/46	2.04 4/46	2.72 4-5/46
Feb.	Amt. Date	0.34a 2/43	0.58 2/43	0.80 2/43	0.84 2/43	0.86 2/43	1.16 18/46
Mar.	Amt. Date	0.75 24/45	1.00 24/45	1.03 24/45	1.45 14-15/45	1.55 14-15/45	1.55 14-15/45
Apr.	Amt. Date	2.10 16/42	2.58 16/42	2.60 16/42	2.80 16/42	3.00 24-25/48	3.09 24-25/48
May	Amt. Date	1.38 7/43	2.21 7/43	2.31 6-7/43	2.55 7/43	3.54 18-19/43	4.60 18-19/43
Jun.	Amt. Date	1.40 18/49	2.15 10/40	2.35 10/40	3.20 10/40	3.78 10/40	4.30 9-10/40
Jul.	Amt. Date	2.60 11/40	2.62 11/40	2.62 11/40	2.70 14-15/48	3.00 14-15/48	3.00 14-15/48
Aug.	Amt. Date	1.28 12/48	1.60 30/44	2.00 30/44	2.09 30/44	2.21 30/44	2.48 25-26/44
Sep.	Amt. Date	2.21 4/44	2.46 4/44	3.10 24/45	5.04 24/45	6.70 24/45	7.28 24/45
Oct.	Amt. Date	1.00b 31/46	1.43 4/41	1.50 31/46	2.02 4/41	2.03 4/41	2.90 31-1/46
Nov.	Amt. Date	0.42 20/40	0.65 20/40	0.84 20/40	1.06 20-21/40	1.48 25/40	2.90 31-1/46
Dec.	Amt. Date	0.42 31/41	0.52 31/41	0.56 4/44	0.98 4/44	1.58 4/44	2.10 4-5/44
Annual	Amt. Date	2.60 7/11/40	2.62 7/11/40	3.10 9/24/45	5.04 9/24/45	6.70 9/24/45	7.28 9/24/45

a Also 14/49

b Also 21/49

U.S. WEATHER BUREAU

Station: KINGSTON

Drainage basin: RED

County: MARSHALL

Lat. 34° 00' Long. 96° 42'

Elev.(ft.) 750

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50 27/49	0.60 27/49	0.80 27/49	0.96 13/50	1.40 24/49	1.55 24/49
Feb.	Amt. Date	0.95 20/45	1.60 20/45	1.88 20/45	2.80 20/45	3.00 20/45	3.52 20-21/45
Mar.	Amt. Date	1.85 18/45	2.35 18/45	2.75 18/45	2.82 18/45	4.07 18/45	4.69 18-19/45
Apr.	Amt. Date	1.40a 1/44	1.65 1/44	2.07 17/43	2.90 17/43	3.86 24/42	4.59 23-24/42
May	Amt. Date	1.95 10/48	2.18 6/50	2.58 6/50	2.88 6/50	2.90 6-7/50	4.05 24-25/48
Jun.	Amt. Date	1.56 14/43	2.16 17/45	2.85 17/45	3.26 17/45	3.30 16-17/45	3.36 16-17/45
Jul.	Amt. Date	1.42 12/48	2.47 12/48	3.42 12/48	4.95 11-12/48	5.10 11-12/48	5.10 11-12/48
Aug.	Amt. Date	1.50b 26/46	1.85 26/46	2.05 26/46	2.45 26/46	3.43 25-26/46	3.83 25-26/46
Sep.	Amt. Date	0.90 26/45	1.53 26/45	1.67 26/45	2.00 20/47	2.37 20/47	2.85 29-30/43
Oct.	Amt. Date	1.34 23/43	1.44 29/47	1.67 29/47	1.99 29/47	2.09 29/47	2.83 24/49
Nov.	Amt. Date	1.03 7/44	1.13 7/44	1.23 7/44	1.77 5-6/46	2.14 5-6/46	2.24 5-6/46
Dec.	Amt. Date	0.92 31/47	1.55 6-7/47	1.85 11/46	2.25 11/46	2.65 11/46	2.65 11/46
Annual	Amt. Date	1.95 5/10/48	2.47 7/12/48	3.42 7/12/48	4.95 7/11-12/48	5.10 7/11-12/48	5.10 7/11-12/48

a Also 12/45

b Also 23/50

U. S. WEATHER BUREAU

Station: LAKE CARL BLACKWELL

Drainage basin: CIMARRON

County: PAYNE

Lat. 36° 07' Long. 97° 11'

Elev.(ft.) 952

Period of record: 1943-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.30a 4/46	0.55 4/46	0.83 4/46	1.10 4/46	1.45 8/46	1.45 8/46
Feb.	Amt. Date	0.48 27/50	0.94 27/50	0.94 27/50	0.94 27/50	0.94 27/50	0.98 17-18/46
Mar.	Amt. Date	0.43 15/44	0.73 15/44	0.80 14-15/44	0.99 14-15/44	1.15 1/48	1.36 14-15/44
Apr.	Amt. Date	0.93 24/48	1.53 24/48	1.72 8/44	2.14 24/48	2.49 8-9/44	2.76 12-13/47
May	Amt. Date	2.40 8/50	2.40 8/50	2.40 8/50	2.92 16/43	3.15 15-16/47	3.66 18-19/43
Jun.	Amt. Date	1.43 26/45	1.53 20-21/45	1.73 20-21/45	2.15 20-21/45	2.15 20-21/45	2.60 22-23/48
Jul.	Amt. Date	1.52 9/45	2.11 14/43	2.13 14/43	2.15 9-10/45	2.23 9-10/45	2.23 9-10/45
Aug.	Amt. Date	1.26 26/46	1.61 26/46	1.81 26/46	2.14 25-26/46	2.49 25-26/46	2.55 25-26/46
Sep.	Amt. Date	0.88 13/50	0.96 22/48	1.32 13/50	1.35 13-14/50	1.70 3-4/50	3.30 28-29/45
Oct.	Amt. Date	0.63 23/43	0.90 22-23/43	1.33 23/43	1.90 22-23/43	2.16 22-23/43	3.53 22-23/43
Nov.	Amt. Date	0.64 5/46	0.78 5/46	0.86 5/46	0.98 5/46	1.24 27-28/48	1.84 27-28/48
Dec.	Amt. Date	0.38 31/47	0.68 31/47	0.77 31/47	0.98 4/44	1.62 4/44	1.92 4-5/44
Annual	Amt. Date	2.40 5/8/50	2.40 5/8/50	2.40 5/8/50	2.92 5/16/43	3.15 5/15-16/47	3.66 5/18-19/43

a Also 8/46

U. S. WEATHER BUREAU

Station: LAWTON\*

Drainage basin: RED

County: COMANCHE

Lat. 34° 39' Long. 98° 24'

Elev.(ft) 1125

Period of record: 1941-1949

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.31 31/41	0.57 31/41	0.65 22-23/49	1.15 22-23/49	1.60 22-23/49	1.74 25-26/49
Feb.	Amt. Date	0.40a 2/43	0.70 17/46	0.75 17/46	0.83 17/46	1.24 17/46	1.65 <u>31-1/41</u>
Mar.	Amt. Date	0.40 18/48	0.52 27/46	0.65b 30/45	0.89 20/49	1.09 26-27/46	1.30 20-21/49
Apr.	Amt. Date	1.30 30/49	1.40 30/49	1.45 30/49	2.36 30/49	2.39 30-1/49	2.39 30-1/49
May	Amt. Date	1.90 27/43	2.48 28/46	3.05 28/46	3.20 15-16/47	4.50 15-16/47	4.66 9-10/43
Jun.	Amt. Date	1.95 22/42	3.40 22/42	3.56 22/42	3.65 22/42	3.65 22/42	4.08 21-22/42
Jul.	Amt. Date	0.97 2/48	1.05 2/48	1.05c 26-27/46	1.65 <u>30-1/46</u>	1.65 <u>30-1/46</u>	1.65 <u>30-1/46</u>
Aug.	Amt. Date	1.30 27/48	1.50 27/48	1.55 27/48	1.70 26/46	2.19 25-26/46	2.22 25-26/46
Sep.	Amt. Date	2.25 26/45	3.17 26/45	3.40 26/45	3.77 26/45	3.77 26/45	3.96 26-27/45
Oct.	Amt. Date	1.23 2/41	1.99 2/41	2.15 2/41	2.53 2/41	2.53 2/41	3.31 2-3/41
Nov.	Amt. Date	0.90 3/46	1.15 3/46	1.17 3/46	1.77 3/46	1.90 3/46	1.92 2-3/46
Dec.	Amt. Date	0.37 11/46	0.61E 31/47	0.92 31/47	1.07 31/47	1.55 10-11/46	1.80 10-11/46
Annual	Amt. Date	2.25 9/26/45	3.40 6/22/42	3.56 6/22/42	3.77 9/26/45	4.50 5/15-16/47	4.66 5/9-10/43

a Also 25/48

b Also 10/48

c Also 2/48

\*Formerly Post Field

U.S. WEATHER BUREAU

Station: LEHIGH

Drainage basin: RED

County: COAL

Lat. 34° 27' Long. 96° 13'

Elev.(ft.) 599

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.87 29/42	1.61 29-30/42	1.74 29-30/42	2.00 29-30/42	2.09 29-30/42	2.40 31/47-1/48
Feb.	Amt. Date	2.25 20/45	3.15 20/45	4.00 20/45	4.05 20/45	4.74 20/45	4.87 19-20/45
Mar.	Amt. Date	1.15 21/49	1.70 21/49	2.20 21/49	2.91 18/45	3.49 18/45	4.13 18-19/45
Apr.	Amt. Date	1.70 24/42	2.40 24/42	3.07 24/42	5.37 24/42	6.52 24/42	6.72 23-24/42
May	Amt. Date	1.89 21/40	2.15 21/40	2.42 21/40	3.33 30-1/49	4.10 30-1/49	5.57 9-10/43
Jun.	Amt. Date	2.05 17/45	3.70 17/45	5.10 17/45	7.50 16-17/45	8.66 16-17/45	9.03 16-17/45
Jul.	Amt. Date	2.20 20/40	2.74 20/40	3.52 20/40	3.65 20/40	3.72 20/40	4.56 20/40
Aug.	Amt. Date	2.10 15/45	2.50 15/45	3.55 15/45	4.57 15/45	4.60 15/45	6.02 15-16/45
Sep.	Amt. Date	2.55 6/42	2.90 6/42	3.00 6/42	3.60 14/50	3.68 14/50	4.50 25-26/45
Oct.	Amt. Date	1.60 8/41	2.07 3/41	2.33 3/41	2.60 3/41	3.02 3/41	3.62 3-4/41
Nov.	Amt. Date	0.76 5/46	1.42 5/46	1.58 5/46	2.18 5-6/46	2.89 5-6/46	3.52 5-6/46
Dec.	Amt. Date	0.80 11/46	1.50 11/46	2.00 11/46	2.63 11/46	3.11 11/46	3.35 11-12/46
Annual	Amt. Date	2.55 9/6/42	3.70 6/17/45	5.10 6/17/45	7.50 6/16-17/45	8.66 6/16-17/45	9.03 6/16-17/45

U. S. WEATHER BUREAU

Station: MAYFIELD

Drainage basin: RED

County: BECKHAM

Lat. 35° 18' Long. 99° 52'

Elev.(ft.) 1920

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.24 10/49	0.41 10/49	0.50 10/49	0.67 10/49	0.78 10/49	0.95 10-11/49
Feb.	Amt. Date	0.57 29/48	0.64 29/48	0.77 29/48	0.93 29/48	0.99 29/48	1.00 29/48
Mar.	Amt. Date	0.61 25/49	0.63 25/49	0.70 25/49	0.70 25/49	0.89 25/49	0.89 25/49
Apr.	Amt. Date	0.79 28/42	0.87 10/43	0.98 28/42	1.21 23/42	1.50 23/42	1.54 23-24/42
May	Amt. Date	2.50 17/50	2.96 17/50	2.97 17-18/50	2.99 17-18/50	3.51 20/41	3.55 20/41
Jun.	Amt. Date	1.99 21/42	2.70 21/42	2.70 21/42	4.01 21-22/42	4.37 21-22/42	4.39 21-22/42
Jul.	Amt. Date	1.10 12/44	1.65 12/44	1.75 12/44	1.95 12/44	2.04 31-1/50	2.54 31-1/50
Aug.	Amt. Date	1.22 22/50	1.57 22-23/50	1.57 22-23/50	1.59 22-23/50	2.30E 27/41	4.60 27/41
Sep.	Amt. Date	1.35 24/40	1.53 24/40	1.58 24/40	1.60 24/40	2.00E 27/44	3.00 27/44
Oct.	Amt. Date	1.08 16/42	1.70 16/42	1.96 16/42	2.58 16/42	2.69 16-17/42	3.52 16-17/42
Nov.	Amt. Date	0.25 25/40	0.46 25/40	0.62 25/40	1.05 24-25/40	1.11 24-25/40	1.23 24-25/40
Dec.	Amt. Date	0.20 12/41	0.30 12/41	0.41 12/41	0.69 12/41	0.97E 9/43	1.95 9/43
Annual	Amt. Date	2.50 5/17/50	2.96 5/17/50	2.97 5/17-18/50	4.01 6/21-22/42	4.37 6/21-22/42	4.60 8/27/41



U.S. WEATHER BUREAU

Station: MC ALESTER WB AIRWAY

Drainage basin: CANADIAN

County: PITTSBURG

Lat. 34° 55' Long. 95° 46'

Elev.(ft.) 752

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.41 14/41	0.77 4/46	0.79 4-5/46	1.31 12-13/50	1.70 12-13/50	2.28 12-13/50
Feb.	Amt. Date	1.31 12/49	1.42 12/49	1.48 12/49	1.71 20-21/45	1.83 20-21/45	2.39 20-21/45
Mar.	Amt. Date	1.10 11/45	1.40 11, 14/45	1.75 18/45	2.55 18/45	3.18 18/45	3.91 18-19/45
Apr.	Amt. Date	1.51 13/45	2.56 13/45	2.60 13/45	3.31 24/42	4.25 24/42	4.36 23-24/42
May	Amt. Date	2.25 9/43	2.85 9/43	2.96 9/43	4.74 9/43	6.54 9/43	9.75 9-10/43
Jun.	Amt. Date	2.32 21/45	2.84 21/45	3.37 21/45	3.75 21/45	3.78 21/45	4.07 10-11/45
Jul.	Amt. Date	2.44 21/50	2.66 11/41	3.23 21/50	3.24 21/50	3.36 21/50	3.66 21-22/50
Aug.	Amt. Date	1.57 27/41	1.72 27/41	1.95 27/41	2.19 27/41	2.19 27/41	2.73 16-17/40
Sep.	Amt. Date	1.22 15/50	1.42 15/50	1.61 15/50	2.40 15-16/50	3.40 15-16/60	3.83 15-16/50
Oct.	Amt. Date	1.15 29/42	1.90 29-30/42	2.00 29-30/42	2.35 29-30/42	2.83 30/41	3.65 30-31/41
Nov.	Amt. Date	0.80 2/46	1.55 2/46	2.00 2/46	2.80 2/46	3.48 2/46	3.49 2/46
Dec.	Amt. Date	1.15 9/46	2.06 9/46	2.65 9/46	4.44 9/46	6.20 9-10/46	7.25 9-10/46
Annual	Amt. Date	2.44 7/21/50	2.85 5/9/43	3.37 6/21/45	4.74 5/9/43	6.54 5/9/43	9.75 5/9-10/43

U.S. WEATHER BUREAU

Station: MUSKOGEE\*

Drainage basin: ARKANSAS

County: MUSKOGEE

Lat. 35° 45' Long. 95° 21'

Elev.(ft.) 617

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.70 27/44	0.80 27/44	0.80 27/44	1.08 4-5/46	1.81 <u>31-1/41</u>	2.02 4-5/46
Feb.	Amt. Date	0.56 28/50	0.84 11/50	0.96 11/50	1.33 20-21/45	1.52 20-21/45	1.80 20-21/45
Mar.	Amt. Date	1.90 18/45	2.10 18/45	2.40 18/45	3.00 18/45	3.26 18/45	4.00 18-19/45
Apr.	Amt. Date	1.40 14/45	1.80 14/45	3.06 14/45	3.60 14/45	4.00 14-15/45	6.59 14-15/45
May	Amt. Date	2.44 9/43	2.62 9/43	2.98 9/43	3.67 9/43	6.17 9/43	9.07 9-10/43
Jun.	Amt. Date	2.40 9/44	3.30 9/44	4.10 9/44	4.10 9/44	5.50 23/48	5.51 23/48
Jul.	Amt. Date	1.40 29/50	1.82 29/50	2.00 29/50	2.12 29/50	2.24 29/50	2.24 29/50
Aug.	Amt. Date	1.45 1/50	1.49 1/50	1.54 1/50	2.03 17/40	2.75 16-17/40	3.35 16-17/40
Sep.	Amt. Date	1.30 11/47	1.70 11/47	2.30 11/47	2.70 11/47	4.40 11/47	4.50 11/47
Oct.	Amt. Date	1.28 12/47	1.78 12/47	1.92 12-13/47	2.23 12-13/47	3.00 30/41	4.31 30/41
Nov.	Amt. Date	1.00 7/44	1.60 2/46	1.90 2/46	2.29 2/46	2.51E 2/46	2.75 20-21/40
Dec.	Amt. Date	0.80 9/46	1.15 9/46	1.44 9/46	1.80 14/48	2.09 9/46	3.79 9-10/46
Annual	Amt. Date	2.44 5/9/43	3.30 6/9/44	4.10 6/9/44	4.10 6/9/44	6.17 5/9/43	9.07 5/9-10/43

\*Formerly Hatbox Field

U. S. WEATHER BUREAU

Station: NINNEKAH

Drainage basin: WASHITA

County: GRADY

Lat. 34° 58' Long. 97° 54'

Elev.(ft.) 1085

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.56 23/49	0.90 23/49	1.10 23/49	1.45 22-23/49	1.78 22-23/49	1.85 22-23/49
Feb.	Amt. Date	0.45 20/49	0.65 20/49	0.81 20-21/49	0.89 17/40	1.33 16-17/40	1.56 11-12/50
Mar.	Amt. Date	0.84 11/45	1.39 11/45	1.53 11/45	1.71 10-11/45	1.73 10-11/45	1.78 10-11/45
Apr.	Amt. Date	1.29 30/49	2.25 30/49	3.03 30/49	3.40 30/49	3.43 30-1/49	3.44 30-1/49
May	Amt. Date	1.63 17/49	2.79 17/49	4.05 17/49	5.47 17-18/49	5.50 17-18/49	5.50 17-18/49
Jun.	Amt. Date	1.33 29/46	1.90 10/45	2.23 <u>31-1/47</u>	2.70 6/41	4.00 6/41	4.00a 6/41
Jul.	Amt. Date	1.80 10/45	2.03 10/45	2.22 19-20/50	2.58b 10/45	2.73 19-20/50	2.93 19-20/50
Aug.	Amt. Date	1.65 10/45	2.55 10/45	2.70 10/45	2.80 10/45	2.82 10/45	2.82 10/45
Sep.	Amt. Date	1.45 1/43	2.50 28/45	3.00 28/45	3.58 28/45	4.57 28/45	4.80 28-29/45
Oct.	Amt. Date	1.30 2/41	1.96 2/41	2.45 2/41	3.41 2/41	3.66 2/41	3.67 2/41
Nov.	Amt. Date	1.45 3/46	1.57 3/46	1.64 3/46	2.50 3/46	2.69 3/46	2.69 3/46
Dec.	Amt. Date	0.35 3/47	0.65 4/44	0.79 4/44	1.05 4/44	1.26 4/44	1.38 4-5/44
Annual	Amt. Date	1.80 7/10/45	2.79 5/17/49	4.05 5/17/49	5.47 5/17-18/49	5.50 5/17-18/49	5.50 5/17-18/49

a Also 10-11/45

b Also 19-20/50

U.S. WEATHER BUREAU

Station: NOWATA

Drainage basin: ARKANSAS

County: NOWATA

Lat. 36° 42' Long. 95° 38'

Elev.(ft.) 705

Period of record: 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.14 1/50	0.18 3/50	0.22 3/50	0.35 3/50	0.49 3/50	0.50 3/50
Feb.	Amt. Date	0.70 12/50	0.80 12/50	0.84 12/50	0.98 12/50	1.04 12/50	1.61 12/50
Mar.	Amt. Date	0.12 15/50	0.22 15/50	0.28 15/50	0.39 15/50	0.39 15/50	0.48 15/50
Apr.	Amt. Date	1.01 28/50	1.65 28/50	2.00 28/50	2.05 28/50	2.05 28/50	2.15 28-29/50
May	Amt. Date	0.65 26/50	0.98 26/50	1.07 26/50	1.10 26/50	1.35 9-10/50	2.09 9-10/50
Jun.	Amt. Date	1.00 9/50	1.15 9/50	1.19 9/50	1.28 9-10/50	1.28 9-10/50	1.28 9-10/50
Jul.	Amt. Date	1.24 12/50	1.44 12/50	1.60 12/50	1.60 12/50	1.60 12/50	1.60 12/50
Aug.	Amt. Date	0.94 27/50	0.98 27/50	1.00 27/50	1.02 27/50	1.04 27/50	1.68 27/50
Sep.	Amt. Date	1.16 18/49	1.55 18/49	1.70 18/49	1.90 18/49	1.90 18/49	1.90 18/49
Oct.	Amt. Date	0.60 21/49	0.70 2/50	0.80 2/50	1.16 2/50	1.50 2-3/50	1.52 2-3/50
Nov.	Amt. Date	0.27 11/49	0.29 11/49	0.29 11/49	0.29 11/49	0.29 11/49	0.29 11/49
Dec.	Amt. Date	0.26 10/49	0.46 10/49	0.61 10/49	0.64 10/49	0.75 21/49	0.86 20-21/49
Annual	Amt. Date	1.24 7/12/50	1.65 4/28/50	2.00 4/28/50	2.05 4/28/50	2.05 4/28/50	2.15 4/28-29/50

U.S. WEATHER BUREAU

Station: OILTON

Drainage basin: CIMARRON

County: CREEK

Lat. 36° 05' Long. 96° 36'

Elev.(ft.) 850

Period of record: 1943-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.54 4/46	0.90 4/46	1.10 4/46	1.40 4/46	1.72 4/46	2.06 4-5/46
Feb.	Amt. Date	0.58 23/45	0.78 23/45	0.93 23/45	1.05 23/45	1.05 23/45	1.05 23/45
Mar.	Amt. Date	0.49 18/45	0.72 19/44	0.95 18/45	1.58 18/45	1.70a 19/44	1.94 18-19/44
Apr.	Amt. Date	1.50 8/47	1.78 8/47	1.90 8/47	1.90 8/47	1.90 8/47	1.90 8/47
May	Amt. Date	2.48 19/49	3.53 19/49	4.15 19/49	4.35 18-19/49	4.45 18-19/49	5.03 18-19/49
Jun.	Amt. Date	1.97 22/48	2.65 22/48	2.65 22/48	3.60 22/48	5.85 22/48	9.63 22-23/48
Jul.	Amt. Date	1.67 10/50	1.82 10/50	1.90 10/50	2.20 10/50	2.40 9-10/50	2.90 9-10/50
Aug.	Amt. Date	0.74 17/50	1.00 17/50	1.10 17/50	1.20 17/50	1.44 17/50	1.48 17/50
Sep.	Amt. Date	1.48 23/45	2.58 23/45	3.56 23/45	3.75 23-24/45	3.80 23-24/45	3.84 23-24/45
Oct.	Amt. Date	0.30 2/44	0.50 2/44	0.60 2/44	0.84 2-3/44	1.25 2-3/44	1.57 2-3/44
Nov.	Amt. Date	0.38 5/46	0.48 5/46	0.52 5/46	0.53 5-6/46	0.80 5-6/46	1.14 5-6/46
Dec.	Amt. Date	NO RECORD					
Annual	Amt. Date	2.48 5/19/49	3.53 5/19/49	4.15 5/19/59	4.35 5/18-19/49	5.85 6/22/48	9.63 6/22-23/48

a Also 18/45

U.S. WEATHER BUREAU

Station: OKEMAH

Drainage basin: CANADIAN

County: OKFUSKEE

Lat. 35° 26' Long. 96° 18'

Elev.(ft.) 800

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.55 26/44	0.60 25/49	0.69 25/49	0.99 25/49	1.66 3/50	2.00 4-5/46
Feb.	Amt. Date	0.50 11/50	0.97 11/50	1.15 11/50	1.44 11/50	1.44 11/50	2.04 11-12/50
Mar.	Amt. Date	1.45 15/44	1.68 15/44	1.98 15/44	2.17 15/44	2.95 15/44	2.95 15/44
Apr.	Amt. Date	1.95 13/45	2.90 14/45	4.40 13-14/45	6.65 13-14/45	10.16 13-14/45	10.46 13-14/45
May	Amt. Date	2.15 5/48	2.65 5/48	2.82 17/49	4.19 17-18/49	5.41 17-18/49	6.34 9/43
Jun.	Amt. Date	2.08 26/46	3.10 26/46	3.20 26/46	4.50 21/48	6.35 20-21/45	6.65 20-21/45
Jul.	Amt. Date	1.54 4/50	2.02 10/50	2.22 10/50	2.63 10/50	2.70 10/50	3.00 10/48
Aug.	Amt. Date	0.90 25/46	1.25 25/46	1.25 25/46	2.10 25/46	2.75 25-26/46	3.26 25-26/46
Sep.	Amt. Date	1.85 25/45	2.75 25/45	2.95 25/45	3.28 25-26/45	3.60 25-26/45	4.73 25-26/45
Oct.	Amt. Date	1.90 1/44	1.95 1/44	2.57 22/46	3.98 29-30/41	5.50 29-30/41	6.49 29-30/41
Nov.	Amt. Date	0.72 13/44	1.00 13/44	1.12 14/44	1.46 20-21/40	1.55 4/42	2.40 20-21/40
Dec.	Amt. Date	0.46 14/48	0.65 8-9/46	0.92 11/46	1.37 11/46	1.65 11/46	2.25 8-9/46
Annual	Amt. Date	2.15 5/5/48	3.10 6/26/46	4.40 4/13-14/45	6.65 4/13-14/45	10.16 4/13-14/45	10.46 4/13-14/45

U.S. WEATHER BUREAU

Station: OKLAHOMA CITY WB CITY\*

Drainage basin: CANADIAN

County: OKLAHOMA

Lat. 35° 29' Long. 97° 32'

Elev.(ft.) 1254

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.64 12/50	0.66 12/50	0.85 4/46	1.09 4/46	1.11 4/46	1.66 4-5/46
Feb.	Amt. Date	0.63 2/43	0.81(w) 2/43	0.86 2/43	1.31 16/40	1.82 16/40	2.23 16-17/40
Mar.	Amt. Date	1.13 20/48	1.33 20/48	1.33 20/48	1.66 15/44	2.34 15/44	2.49 14-15/44
Apr.	Amt. Date	2.56(w) 9/44	2.90(w) 9/44	2.92(w) 9/44	2.99 18-19/42	3.07 18-19/42	3.52(x) 12-13/47
May	Amt. Date	1.76 22/46	2.13 22/46	2.13 22/46	2.13 22/46	3.37 9-10/50	5.53(x) 9-10/50
Jun.	Amt. Date	2.66(w) 10/45	3.41(w) 10/45	4.27(w) 10/45	4.29 10/45	4.41 10/45	4.96 12-13/44
Jul.	Amt. Date	2.96(w) 1/40	3.31(w) 1-2/40	3.42(w) 1-2/40	3.52 1-2/40	3.52 1-2/40	3.52 1-2/40
Aug.	Amt. Date	2.20(w) 15/45	2.50(w) 15/45	2.56(w) 15/45a	2.61 15/45	2.69 15/45	2.69 15/45
Sep.	Amt. Date	1.60(w) 11/43	1.71(w) 28/45	1.86(w) 8/41	2.22 9/41	3.24 8-9/41	3.47 8-9/41
Oct.	Amt. Date	1.40(w) 2/50	1.67(w) 14-15/41	2.09(w) 14-15/41	2.69 14-15/41	2.77 14-15/41	3.19 29-30/41
Nov.	Amt. Date	0.50 7/44	0.86 7/44	0.98 7/44	1.28 3/46	1.73 25/40	2.01 25/40
Dec.	Amt. Date	0.48 3/47	0.87(x) 4/44	0.99 4/44	1.27 4/44	1.47 4/44	1.81 4-5/44
Annual	Amt. Date	2.96(w) 7/1/40	3.41(w) 6/10/45	4.27(w) 6/10/45	4.29 6/10/45	4.41 6/10/45	5.53(x) 5/9-10/50

a Also 8/41

\*Given for comparative purposes. See next page for complete record.

U.S. WEATHER BUREAU

Station: OKLAHOMA CITY WB AP\*

Drainage basin: CANADIAN

County: OKLAHOMA

Lat. 35° 24' Long. 97° 36'

Elev.(ft.) 1280

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50a 26/44	0.59 12/50	0.62 12/50	0.88 25/49	1.25 22-23/49	1.52 4-5/46
Feb.	Amt. Date	0.61 2/43	0.81 2/43	1.48 29-1/48	1.82 29-1/48	2.40 29-1/48	2.94 29-1/48
Mar.	Amt. Date	1.28 15/44	1.58 15/44	1.61 15/44	2.15 15/44	2.89 15/44	3.15 14-15/44
Apr.	Amt. Date	1.59 12/45	1.80 14/45	1.88 14/45	2.05 18-19/45	2.12 7-8/42	2.59 12-13/47
May	Amt. Date	1.22 17/49	1.88 17/49	2.28 17/49	3.13 17-18/49	3.17 10/50	4.73 9-10/50
Jun.	Amt. Date	1.91 6/41	2.48 28/46	3.28 28/46	3.35 28-29/46	4.08 28-29/46	4.74 20-21/48
Jul.	Amt. Date	1.19 21/50	1.42 21/50	1.50 21/50	1.65 3/47	1.67 21-22/50	1.67b 9-10/45
Aug.	Amt. Date	1.85 15/50	2.15 15/50	2.19 15/50	2.37 15-16/50	2.37 15-16/50	2.37 15-16/50
Sep.	Amt. Date	1.37 28/45	2.00 25/45	2.00 25/45	2.35 28/45	3.13 8-9/41	3.31 8-9/41
Oct.	Amt. Date	0.98 14/41	1.32 14/41	1.62 14-15/41	2.32 14-15/41	2.63 14-15/41	3.04 29-30/41
Nov.	Amt. Date	0.60 7/44	0.85 7/44	1.03 7/44	1.35 3/46	1.76 25/40	2.06 25/40
Dec.	Amt. Date	0.42 4/44	0.74 4/44	0.87 4/44	1.17 4/44	1.35 4/44	1.66 4-5/44
Annual	Amt. Date	1.91 6/6/41	2.48 6/28/46	3.28 6/28/46	3.35 6/28-29/46	4.08 6/28-29/46	4.74 6/20-21/48

\*First order station. Recording rain gage installed November 1940.

a Also 12/50

b Also 21-22/50



U.S. WEATHER BUREAU

Station: OKLAHOMA CITY, WB CITY

Drainage basin: CANADIAN

County: OKLAHOMA

Lat. 35° 29' Long. 97° 32'

Elev.(ft.) 1254

Period of record: 1897-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.69(x) 8/39	0.97(x) 8/39	1.12 8/39	1.66 20/04	2.05 31/23	2.59(x) 30-31/23
Feb.	Amt. Date	0.77(w) 9/98	1.09 9/98	1.34 9/98	1.36 9/98	1.82 16/40	2.35(x) 9/98
Mar.	Amt. Date	1.15(x) 12/02	1.33 20/48	1.41 28/38	1.92 28/38	2.82 27-28/29	3.71(x) 27-28/29
Apr.	Amt. Date	2.56(x) 9/44	3.46(x) 13/10	3.62 13/10	3.75 13/10	3.75 13/10	3.75(x) 13/10
May	Amt. Date	2.16(x) 21/22	3.19(x) 5/18	3.27 5/18	4.03 24/03	4.68 14-15/20	5.53(x) 9-10/50
Jun.	Amt. Date	3.10(x) 3/32	4.04(x) 3/32	4.51 3/32	6.48 3/32	6.88 2-3/32	6.96(x) 14-15/30
Jul.	Amt. Date	2.96(w) 1/40	3.43(w) 1/13	4.19(w) 1/13	4.66 1/13	4.82 1/13	5.06(x) 1/13
Aug.	Amt. Date	2.20(w) 15/45	2.50(w) 15/45	2.56(w) 15/45	2.76 22/34	2.92 22/34	4.52(x) 22-23/34
Sep.	Amt. Date	2.41(w) 3/26	2.92(x) 3/26	2.98 3/26	3.15 3/26	3.39 8-9/41	7.87(x) 30-1/27
Oct.	Amt. Date	2.39(x) 1/27	3.21(x) 1/27	4.61 1/27	5.90 1/27	7.02 1/27	7.87(x) <u>30-1/27</u>
Nov.	Amt. Date	1.51(x) 16/31	2.53(x) 16/31	3.26(w) 16/31	3.53 16/31	4.17 16/31	4.66(x) 19/99
Dec.	Amt. Date	0.72(x) 22/32	0.87(x) 4/44	1.00 21/07	1.43 22/32	2.13 22-23/32	3.10(x) 22-23/32
Annual	Amt. Date	3.10(x) 6/3/32	4.04(x) 6/3/32	4.61 10/1/27	6.48 6/3/32	7.02 10/1/27	7.87(x) 9/30- 10/1/27

U. S. WEATHER BUREAU

Station: PAOLI

Drainage basin: WASHITA

County: GARVIN

Lat. 34° 50' Long. 97° 15'

Elev.(ft.) 962

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.33 4/46	0.53 4/46	0.71 4/46	1.15 4/46	1.65 4/46	1.82 4-5/46
Feb.	Amt. Date	0.65 20/45	0.80 20/45	1.09 14/49	1.20 11/50	1.28 17-18/46	1.89 11-12/50
Mar.	Amt. Date	0.70 14/45	1.10 14/45	1.30 14/45	2.09 14/45	2.19 14/45	2.19 14/45
Apr.	Amt. Date	0.95a 6/42	1.16 30/49	1.42 30/49	2.27 30/49	2.75 30-1/49	2.75 30-1/49
May	Amt. Date	2.43 25/49	2.72 23/46	3.00 11/50	4.18 11/50	4.64 11/50	6.14 9-10/50
Jun.	Amt. Date	2.35 23/47	2.65 23/47	2.65 23/47	2.65 23/47	2.70 23/47	2.70 23/47
Jul.	Amt. Date	1.95 1/40	1.95 1/40	1.95 1/40	1.97E 9-10/45	3.29 9-10/45	3.42 9-10/45
Aug.	Amt. Date	1.85 30/44	2.02 30/44	2.12 30/44	2.45 26/46	3.15 26/46	4.20 25-26/46
Sep.	Amt. Date	1.11 9/41	1.62 8-9/41	2.54 8-9/41	3.48 8-9/41	5.20 8-9/41	5.20 8-9/41
Oct.	Amt. Date	1.80 29/42	2.25 29/42	2.28 29/42	3.15 29/42	4.15 29-30/41	5.37 29-30/41
Nov.	Amt. Date	0.65 19/41	0.81 3/46	1.05 3/46	1.26 3/46	1.69 25/40	2.02 24-25/40
Dec.	Amt. Date	0.48 11/46	0.78 11/46	1.03 11/46	1.65 11/46	2.11 11/46	2.54 10-11/46
Annual	Amt. Date	2.43 5/25/49	2.72 5/23/46	3.00 5/11/50	4.18 5/11/50	5.20 9/8-9/41	6.14 5/9-10/50

a Also 24/47

U.S. WEATHER BUREAU

Station: PAWHUSKA

Drainage basin: OSAGE

County: OSAGE

Lat. 36° 40' Long. 96° 21'

Elev.(ft.) 885

Period of record: 1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	NO RECORD					
Feb.	Amt. Date	0.15 11/50	0.26 11/50	0.29 11/50	0.29 11/50	0.33E 11-12/50	0.54 11-12/50
Mar.	Amt. Date	0.04E 15/50	0.08E 15/50	0.12E 15/50	0.23E 15/50	0.46E 15/50	0.53 15/50
Apr.	Amt. Date	0.23 28/50	0.24 28/50	0.25 28/50	0.31 28/50	0.31 28/50	0.31 28/50
May	Amt. Date	1.75 26/50	1.80 26/50	1.80 26/50	1.80 26/50	1.80 26/50	1.80 26/50
Jun.	Amt. Date	0.75 2/50	0.80 2/50	0.81 2/50	0.82 2/50	0.86 2/50	0.86 2/50
Jul.	Amt. Date	1.65 10/50	2.85 9-10/50	3.10 9-10/50	3.17 9-10/50	3.18 9-10/50	3.38 9-10/50
Aug.	Amt. Date	0.85 16/50	1.11 17/50	1.44 17/50	1.90 17/50	3.19 17/50	4.15 16-17/50
Sep.	Amt. Date	0.26 15/50	0.30 15/50	0.34 15/50	0.57 15/50	0.66 15/50	0.68 15/50
Oct.	Amt. Date	0.14 2/50	0.20 2/50	0.22 2/50	0.29 2/50	0.30 2/50	0.32 2-3/50
Nov.	Amt. Date	0.04 3/50	0.08 3/50	0.10 3/50	0.15 3/50	0.22 3/50	0.22 3/50
Dec.	Amt. Date	0.03 5/50	0.05 5/50	0.06 5/50	0.07 5/50	0.07 5/50	0.07 5/50
Annual	Amt. Date	1.75 5/26/50	2.85 7/9-10/50	3.10 7/9-10/50	3.17 7/9-10/50	3.19 8/17/50	4.15 8/16-17/50

U.S. WEATHER BUREAU

Station: PAWNEE 6 NW

Drainage basin: ARKANSAS

County: PAWNEE

Lat. 36° 23' Long. 96° 49'

Elev.(ft) 839

Period of record: 1945-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.20a 10/49	0.35 10/49	0.50 15/49	0.79 10/49	0.99 22-23/49	1.22 9-10/49
Feb.	Amt. Date	0.18 13/46	0.33 13/46	0.40 13/46	0.53 13/46	0.56E 13/46	0.72E 17-18/46
Mar.	Amt. Date	0.42 10/50	0.65 24/45	0.70 24/45	0.78 1/48	1.12 1/48	1.20 1/48
Apr.	Amt. Date	0.85 24/48	1.12 24/48	1.37 24/48	1.60 24/48	2.35 24-25/48	2.40 24-25/48
May	Amt. Date	1.30 25/49	1.34 17/49	1.56 9-10/50	2.00 9-10/50	2.71 9-10/50	3.29 9-10/50
Jun.	Amt. Date	1.52 28/46	2.37 28/46	2.87 28/46	3.40 28/46	4.10 28-29/46	4.32 28-29/46
Jul.	Amt. Date	1.22 29/49	1.88 9/49	2.00 10/48	2.44 10/48	2.45 9-10/48	3.06 9-10/48
Aug.	Amt. Date	2.39 8/48	3.09 8/48	3.55 8/48	3.70 8/48	3.70 8/48	3.70 8/48
Sep.	Amt. Date	1.08 28/45	1.28 28/45	1.80 4/49	2.24 4/49	3.11 3-4/49	3.33 3-4/49
Oct.	Amt. Date	1.10 20/49	1.48 20/49	1.55 20/49	1.55 20/49	1.55 20/49	1.80 20-21/49
Nov.	Amt. Date	0.60 1/48	0.63 1/48	0.65 1/48	0.92 <u>31-1/46</u>	1.04 27/48	1.65 27-28/48
Dec.	Amt. Date	0.42 21/49	0.61E 21/49	0.80 21/49	0.97 21/49	1.18 31/47	1.30 31/47
Annual	Amt. Date	2.39 8/8/48	3.09 8/8/48	3.55 8/8/48	3.70 8/8/48	4.10 6/28-29/46	4.32 6/28-29/46

a Also 15/49, 23/49

U.S. WEATHER BUREAU

Station: PONCA CITY GAA AP

Drainage basin: ARKANSAS

County: KAY

Lat. 36° 43' Long. 97° 06'

Elev.(ft.) 996

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.43 4/46	0.58 4/46	0.73 4/46	1.02 4/46	1.06a 8-9/46	1.59 9-10/49
Feb.	Amt. Date	0.36 15/42	0.50 15/42	0.62 14/42	0.83 14/42	0.96 14/42	1.48 14-15/42
Mar.	Amt. Date	0.60 16/42	1.09 24/45	1.28 24/45	1.48 28/45	1.80 24/45	1.80 24/45
Apr.	Amt. Date	1.13 6/42	1.88 6/42	2.13 6/42	2.47 6/42	2.57 15/45	2.66 15/45
May	Amt. Date	2.10 9/48	2.38 9/48	2.55 9/48	2.70 9-10/48	3.03 18-19/43	3.52 18-19/43
Jun.	Amt. Date	1.67 21/42	2.50 21/42	3.19 21/42	3.86 21/42	4.66 20-21/42	4.70 20-21/42
Jul.	Amt. Date	1.22 1/45	2.14 1/45	2.74 1/45	3.45 1/45	3.45 1/45	3.45 1/45
Aug.	Amt. Date	1.25 30/44	1.40 30/44	1.47 30/44	1.50 30/44	2.86E 6-7/44	3.10 6-7/44
Sep.	Amt. Date	1.64 28/44	2.69 27-28/44	2.72 27-28/44	3.05 28/45	3.85 27-28/44	4.40 27-28/44
Oct.	Amt. Date	0.90 22/41	1.11 22/41	1.35 22/41	1.69 22/41	1.78 22/41	2.11 22-23/43
Nov.	Amt. Date	0.70b 19/41	0.90 1/48	1.05 1/48	1.52 1/48	1.57 1/48	1.88 1/48
Dec.	Amt. Date	0.40 26/42	0.54 26/42	0.67 4/44	0.92 4/44	1.54 4/44	1.89 3-4/44
Annual	Amt. Date	2.10 5/9/48	2.69 9/27-28/44	3.19 6/21/42	3.86 6/21/42	4.66 6/20-21/42	4.70 6/20-21/42

a Also 10/49

b Also 1/48

U.S. WEATHER BUREAU

Station: QUAPAW

Drainage basin: ARKANSAS

County: OTTOWA

Lat. 36° 57' Long. 94° 47'

Elev.(ft.) 850

Period of record: 1943-1946, 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.42 3/50	0.60 3/50	0.85E 3/50	1.30 3/50	1.95 3/50	2.09 3-4/50
Feb.	Amt. Date	0.83 8/44	1.33 8/44	1.88 8/44	2.43 7-8/44	2.50 7-8/44	2.50 7-8/44
Mar.	Amt. Date	0.76 31/43	1.00 15/44	1.30 15/44	1.62 15/44	2.30 15/44	2.90 15/44
Apr.	Amt. Date	1.08 8/44	1.48 8/44	1.73 8/44	2.26 8/44	2.44 8/44	2.50 8-9/44
May	Amt. Date	1.83 17/43	3.13 17/43	4.00 17/43	5.04 17/43	7.07 17-18/43	8.65 17-18/43
Jun.	Amt. Date	1.78 19/46	1.83 19/46	1.87 19/46	1.90 9-10/50	2.20 1/50	2.24 31-1/50
Jul.	Amt. Date	1.10 9/45	1.25 5/50	1.50 5/50	1.59 5/50	2.61E 12/49	3.91 12/49
Aug.	Amt. Date	1.80 5/44	2.35 6/45	3.01 17/50	3.16 17/50	3.16 17/50	3.48 26-27/50
Sep.	Amt. Date	1.72 18/49	2.02 18/49	2.32 24/45	3.10 24/45	4.57 24/45	7.68 24-25/45
Oct.	Amt. Date	1.10 2/50	1.53 2/50	1.91 2/50	2.69 2-3/50	3.29 2-3/50	3.41 2-3/50
Nov.	Amt. Date	0.40 7/44	0.70 7/44	0.70 7/44	0.70 7/44	0.70 7/44	0.70 7/44
Dec.	Amt. Date	0.53 21/49	0.72 21/49	0.90 21/49	0.95 21/49	1.08 21/49	1.86 21/49
Annual	Amt. Date	1.83 5/17/43	3.13 5/17/43	4.00 5/17/43	5.04 5/17/43	7.07 5/17-18/43	8.65 5/17-18/43

U.S. WEATHER BUREAU

Station: RANGE

Drainage basin: CANADIAN

County: TEXAS

Lat. 36° 33' Long. 101° 00'

Elev.(ft.) 2900

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.10a 27/44	0.15b 27/44	0.22 10/49	0.32E 27/44	0.57E 27/44	1.00 27/44
Feb.	Amt. Date	0.30 26/48	0.38 26/48	0.48 27/48	0.80 27/48	1.10 27/48	1.54 26-27/48
Mar.	Amt. Date	0.43 12/47	0.70 12/47	0.74 12/47	0.77 12/47	0.84 12/47	0.84 12/47
Apr.	Amt. Date	0.55 29/44	0.83c 7/43	0.98 29/44	1.26 20/42	1.38 20/42	1.74 19-20/42
May	Amt. Date	1.07 27/40	1.62 27/40	1.67 27/40	1.71 27/40	1.71 27/40	1.71 27/40
Jun.	Amt. Date	0.98 9/40	1.05d 9/40	1.35 20/48	1.62 20/48	1.75 28-29/50	2.25 7-8/42
Jul.	Amt. Date	2.40 23/47	2.62 23-24/47	2.62 23-24/47	2.62 23-24/47	2.64 23-24/47	2.64 23-24/47
Aug.	Amt. Date	1.02 28/50	1.10 28/50	1.10 28/50	1.18 15/48	1.31 28-29/50	1.31 28-29/50
Sep.	Amt. Date	1.65 7/48	1.75 7-8/48	1.80 7-8/48	1.95 7-8/48	1.95 7-8/48	1.95 7-8/48
Oct.	Amt. Date	0.68 7/49	1.24 9/49	1.56 9/49	1.78 9/49	2.46 9/49	2.90 6-7/46
Nov.	Amt. Date	0.30 3/46	0.45 3/46	0.57 3/46	1.17 <u>31-1/48</u>	1.53 3/46	2.20 3/46
Dec.	Amt. Date	0.20 3/47	0.31 3/47	0.32 3/47	0.62 2-3/47	0.72 2-3/47	1.00 10-11/43
Annual	Amt. Date	2.40 7/23/47	2.62 7/23-24/47	2.62 7/23-24/47	2.62 7/23-24/47	2.64 7/23-24/47	2.90 10/6-7/46

a Also 10/49

b Also 10/49

c Also 29/44

d Also 20/48

U. S. WEATHER BUREAU

Station: REYDON SCS

Drainage basin: WASHITA

County: ROGER MILLS

Lat. 35° 43' Long. 99° 52'

Elev.(ft.) 2273

Period of record: 1944-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.14 25/49	0.24 25/49	0.29 25/49	0.33 25/49	0.56 25/49	0.60 25/49
Feb.	Amt. Date	0.30 26/48	0.50 26/48	0.60 26/48	0.95 26-27/48	1.49 26-27/48	1.50 26-27/48
Mar.	Amt. Date	1.05 14/44	1.30 14/44	1.40 14/44	1.50 14/44	1.50 14/44	1.50 14/44
Apr.	Amt. Date	1.85 26/49	2.00 26/49	2.05 26/49	2.05 26/49	2.10 26-27/49	2.10 26-27/49
May	Amt. Date	1.50 28/46	1.75 28/46	1.90 28/46	2.12 18/49	2.16 18-19/49	2.16 18-19/49
Jun.	Amt. Date	2.20 3/49	3.45 3/49	3.45 3/49	3.55 3/49	4.35 3-4/49	4.76 3/49
Jul.	Amt. Date	1.23 5/50	1.43 5/50	1.47 5/50	1.50 5/50	1.50 5/50	1.86 31-1/48
Aug.	Amt. Date	2.18 15/48	2.50 15/48	2.60 15/48	2.78 15/48	2.78 15/48	2.78 15/48
Sep.	Amt. Date	0.90 2/49	1.39 2/49	1.40 2/49	1.43 2/49	2.20 27/44	3.08 27/44
Oct.	Amt. Date	0.48 6/46	0.93 6/46	1.23 6/46	2.03 6/46	3.08 6/46	3.61 5-6/46
Nov.	Amt. Date	0.14 14/47	0.24 14/47	0.30 17/47	0.50 16-17/47	0.59 17/47	1.10 16-17/47
Dec.	Amt. Date	0.25 3/47	0.50 3/47	0.70 3/47	0.96 3/47	1.00 3/47	1.39 2-3/47
Annual	Amt. Date	2.20 6/3/49	3.45 6/3/49	3.45 6/3/49	3.55 6/3/49	4.35 6/3-4/49	4.76 6/3/49



U. S. WEATHER BUREAU

Station: RIVERSIDE

Drainage basin: CANADIAN

County: BEAVER

Lat. 36° 50' Long. 100° 21'

Elev.(ft.) 2500

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.60 26/44	0.73 26/44	0.78 26/44	0.81 26/44	0.81 26/44	0.93 26/44
Feb.	Amt. Date	0.58 18/46	0.60 18/46	0.62 18/46	0.86 17/46	1.10 17-18/46	1.54 17-18/46
Mar.	Amt. Date	0.50 25/49	0.51 25/49	0.60 25/49	0.71 25/49	0.80 25-26/49	0.88 11-12/47
Apr.	Amt. Date	1.10 30/41	1.35 26/49	1.35 26/49	1.35 26/49	1.74 11-12/47	2.02 11-12/47
May	Amt. Date	1.00 26/49	1.18 6/49	1.40 6/49	1.74 6/49	1.82 6-7/49	1.91 6-7/49
Jun.	Amt. Date	1.72 26/41	1.85 26/41	1.85 26/41	2.40 26/48	3.00 26-27/48	3.25 26-27/48
Jul.	Amt. Date	1.15 5/41	1.34 5/41	1.47 5/41	1.59 5/41	1.80 17-18/50	1.85 17-18/50
Aug.	Amt. Date	1.25 6/42	1.78 6/42	2.02 6/42	2.08 6/42	2.10 6-7/42	2.10 6-7/42
Sep.	Amt. Date	0.50 3/49	0.74 29/41	0.96 29/41	1.29 28-29/41	2.10 28-29/41	2.48 28-29/41
Oct.	Amt. Date	1.00E 25/47	2.00 25/47	2.19 4/41	2.20 4/41	2.32 21/41	2.88 21-22/41
Nov.	Amt. Date	0.38 20/40	0.48 6/44	0.56 6/44	0.76 25/40	1.20E 3/46	2.34 2-3/46
Dec.	Amt. Date	0.48 2/47	0.80 2/47	0.90 2-3/47	1.15 2-3/47	1.37 4/44	1.79 3-4/44
Annual	Amt. Date	1.72 6/26/41	2.00 10/25/47	2.19 10/4/41	2.40 6/26/48	3.00 6/26-27/48	3.25 6/26-27/48

U. S. WEATHER BUREAU

Station: ROFF

Drainage basin: RED

County: PONTOTOC

Lat. 34° 39' Long. 96° 53'

Elev.(ft) 1254

Period of record: 1943-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.76 4/46	1.20 3/50	1.43 3/50	1.85 3/50	2.34 4/46	3.32 4-5/46
Feb.	Amt. Date	0.80 13/46	1.27 13/46	1.29 13/46	1.29 13/46	1.39 17-18/46	1.62 17-18/46
Mar.	Amt. Date	0.64 21/48	0.85 21/49	1.00 21/49	1.27 21/49	1.82E 18-19/45	3.50 18-19/45
Apr.	Amt. Date	1.33 30/49	1.73 30/49	2.11 30/49	3.06 30-1/49	3.21 30-1/49	3.21 30-1/49
May	Amt. Date	1.15 6/50	1.38 17/48	1.57 23/47	3.06 30-1/49	3.21 30-1/49	5.24E 8-9/43
Jun.	Amt. Date	1.15 21/48	1.40 23/48	1.55 23/48	2.10 23/48	2.36 23/48	3.96 23-24/48
Jul.	Amt. Date	1.17 12/48	1.26 23/50	1.28 23/50	1.90 10/45	2.20 5/50	2.40 4-5/50
Aug.	Amt. Date	1.40 4/50	1.66 26/46	2.13 26/46	2.48 26/46	2.63 18-19/46	2.95 18-19/46
Sep.	Amt. Date	1.95 14/47	2.40 14/47	2.62 14/47	2.65 14/47	2.77 26/45	5.04 25-26/45
Oct.	Amt. Date	0.82 21/49	1.15 12/43	1.15 12/43	1.22 21/49	1.59 23-24/49	2.16E 3/44
Nov.	Amt. Date	0.61 2/46	0.77 7/44	0.90 14/47	1.48 2/46	1.57 2/46	1.59 2/46
Dec.	Amt. Date	0.77 8/46	1.18 14/48	1.60 14/48	1.90 14/48	2.48 8-9/46	4.29 8-9/46
Annual	Amt. Date	1.95 9/14/47	2.40 9/14/47	2.62 9/14/47	3.06 4/30- 5/1/49	3.21 4/30- 5/1/49	5.24E 5/8-9/43

U.S. WEATHER BUREAU

Station: ROLL

Drainage basin: WASHITA

County: ROGER MILLS

Lat. 35° 48' Long. 99° 45'

Elev.(ft.) 2300

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.23 26/44	0.35 26/44	0.40 26/44	0.44 26/44	0.64 31-1/41	1.04 31-1/41
Feb.	Amt. Date	0.26 11/50	0.40 11/50	0.43 11/50	0.45 11/50	0.64 <u>31-1/41</u>	1.04 <u>31-1/41</u>
Mar.	Amt. Date	0.54 25/42	0.62 25/42	0.68 25/42	1.05 14/45	1.09 14/45	1.09 14/45
Apr.	Amt. Date	0.60 29/44	0.90 29/44	1.25 29/44	1.38 29/44	1.47E 23/42	1.93 23/42
May	Amt. Date	1.35 20/41	1.54 20/47	1.72 20/47	2.10 20/41	2.70 20/41	2.72 19-20/47
Jun.	Amt. Date	1.28 8/42	1.32 8/42	1.33 8/42	1.55 28/43	2.09 7/42	2.54 7-8/42
Jul.	Amt. Date	1.03 18/50	1.50 21/42	1.85 21/42	1.95 21/42	2.14 21/42	2.14 21/42
Aug.	Amt. Date	1.78 14/48	2.06 14/48	2.28 14/48	2.32 14/48	2.34 14/48	2.34 14/48
Sep.	Amt. Date	1.40 4/43	1.60 4/43	1.75 4/43	1.95 6/42	2.03 6/42	2.52 4-5/50
Oct.	Amt. Date	1.05 3/42	1.42 2-3/42	1.82 2-3/42	2.30 2-3/42	2.36 2-3/42	2.55a 21-22/41
Nov.	Amt. Date	0.12 26/43	0.12 26/43	0.13 26/43	0.17 26/43	0.29 26/43	0.29 26/43
Dec.	Amt. Date	0.40 7/42	0.45 9/43	0.67 9/43	1.12 9/43	1.61 9/43	1.82 8-9/43
Annual	Amt. Date	1.78 8/14/48	2.06 8/14/48	2.28 8/14/48	2.32 8/14/48	2.70 5/20/41	2.72 5/19-20/47

a Also 14/42

U.S. WEATHER BUREAU

Station: SEILING SCS\*

Drainage basin: CANADIAN

County: DEWEY

Lat. 36° 09' Long. 98° 55'

Elev.(ft.) 1761

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.20 22/49	0.39 22/49	0.39 22/49	0.45 31/41	0.54 17-18/45	0.99 31-1/41
Feb.	Amt. Date	0.40 12/49	0.58 12/49	0.72 12/49	0.78E 26-27/48	1.55 26-27/48	2.72 26-27/48
Mar.	Amt. Date	0.83 30/49	1.13 29-30/49	1.35 12/47	2.35 12/47	2.90 12/47	3.10 12-13/47
Apr.	Amt. Date	1.24 29/44	1.29 29/44	1.29 29/44	1.29 29/44	1.43 23/42	1.68E 12-13/47
May	Amt. Date	1.85 6/49	1.90 6/49	1.93 6/49	1.94 6/49	2.62 6-7/49	2.63 6-7/49
Jun.	Amt. Date	1.25 25/46	2.05 25/46	2.05 25/46	2.05 25/46	2.90 8-9/41	2.90 8-9/41
Jul.	Amt. Date	1.25 30/41	1.45 9/44	1.70 9/44	1.90 9/44	2.01 21/50	2.16 21/50
Aug.	Amt. Date	1.24 29/44	1.60 26/41	1.60 26/41	2.21E 9/48	2.95 9/48	2.95 9/48
Sep.	Amt. Date	1.19 8/41	1.59a 21/45	2.15 21/45	2.53 21/45	2.55 21/45	2.64 27-28/45
Oct.	Amt. Date	1.15 3/42	1.55 3/42	1.80 3/42	2.10E 31-1/48	2.85 31-1/48	4.15E 5-6/46
Nov.	Amt. Date	0.70 3/44	0.81 3/44	1.11E 1/48	2.10E 31-1/48	2.85 31-1/48	3.37 31-1/48
Dec.	Amt. Date	0.20 3/44	0.37 4/44	0.48 4/44	0.85 4/44	1.25 4/44	1.69 3-4/44
Annual	Amt. Date	1.85 5/6/49	2.05 6/25/46	2.15 9/21/45	2.53 9/21/45	2.95 8/9/48	4.15E 10/5-6/46

\*Formerly Richmond

a Also 27-28/45

U. S. WEATHER BUREAU

Station: SHATTUCK

Drainage basin: CANADIAN

County: ELLIS

Lat. 36° 16' Long. 99° 51'

Elev.(ft.) 2234

Period of record: 1940-1950 (BREAKS)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.30 26/44	0.41 26/44	0.48 26/44	0.48 26/44	0.59 a 13/41	1.17 10-11/49
Feb.	Amt. Date	0.28E 27/44	0.38E 27/44	0.47E 27/44	0.69E 26-27/48	1.38E 26-27/48	2.65 26-27/48
Mar.	Amt. Date	0.88 14/44	0.96 14/44	1.03 14/44	1.15 14/44	1.15 14/44	1.20 14-15/44
Apr.	Amt. Date	0.90 23/42	1.35 23/42	1.55 23/42	1.98 23/42	2.31 23/42	2.38 23-24/42
May	Amt. Date	1.60 7/50	1.84 7/50	1.88 7/50	1.97E 16/49	2.45 16/49	2.45 16/49
Jun.	Amt. Date	1.14 9/41	1.77 8/41	1.80 9/41	1.80 9/41	3.10 8-9/41	3.14 8-9/41
Jul.	Amt. Date	2.19 18/50	2.70 18/50	3.29 18/50	4.70 18/50	4.70 18/50	5.04 18/50
Aug.	Amt. Date	3.28 11/42	5.18 11/42	5.98 11-12/42	6.10 11-12/42	6.10 11-12/42	6.10 11-12/42
Sep.	Amt. Date	1.11 4/50	1.30 1/46	1.32 4/50	1.38 4/50	1.40 4-5/50	1.50 4-5/50
Oct.	Amt. Date	0.78 2/42	1.15 31-1/48	1.37 31-1/48	2.08 21/41	2.60 21-22/41	2.64 21-22/41
Nov.	Amt. Date	0.57 1/48	1.15 <u>31-1/48</u>	1.37 <u>31-1/48</u>	1.69 <u>31-1/48</u>	2.10 <u>31-1/48</u>	2.20 <u>31-1/48</u>
Dec.	Amt. Date	0.24 11/46	0.46 11-12/46	0.55b 9/43	0.90 9/43	1.33E 9/43	2.18 9-10/43
Annual	Amt. Date	3.28 8/11/42	5.18 8/11/42	5.98 8/11-12/42	6.10 8/11-12/42	6.10 8/11-12/42	6.10 8/11-12/42

a Also 26-27/44

b Also 11-12/46

U. S. WEATHER BUREAU

Station: SNOMAC

Drainage basin: CANADIAN

County: SEMINOLE

Lat. 35° 05' Long. 96° 40'

Elev.(ft.) 690

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.35a 26/44	0.60 3/50	0.85 3/50	1.55 3/50	1.89 3/50	1.89 3/50
Feb.	Amt. Date	0.70 14/49	1.03 14/49	1.33 14/49	1.65 14/49	2.20 27/45	2.70 26-27/45
Mar.	Amt. Date	0.58 18/45	0.90 21/49	1.20 21/49	1.72 21/49	1.87 20-21/49	2.08 18-19/44
Apr.	Amt. Date	0.95 10/47	1.39 10/47	1.40 10/47	1.75 7-8/42	2.26 30-1/49	2.73 7-8/42
May	Amt. Date	1.61 18/49	2.70 18/49	3.65 18/49	4.64 17-18/49	5.20 9-10/43	6.90 9-10/43
Jun.	Amt. Date	1.75 21/42	2.70 23/48	3.28 21/48	4.05 21/48	5.85 21/48	6.18 23-24/48
Jul.	Amt. Date	2.22 28/44	2.57 28/44	2.58 28/44	2.85 3/48	3.30 17/50	3.55 26-27/45
Aug.	Amt. Date	2.02 15/50	3.75 15/50	4.03 15/50	4.36 15/50	4.36 15/50	4.36 15/50
Sep.	Amt. Date	1.75 11/47	2.40 11/47	2.78b 8-9/41	3.38 8-9/41	3.90 8-9/41	3.95 8-9/41
Oct.	Amt. Date	1.37 29/41	1.90 29/41	2.52 29/41	4.15 29/41	5.91 29-30/41	6.19 29-30/41
Nov.	Amt. Date	1.15 8/42	1.58 8/42	1.90 2/46	2.45 2/46	3.04 2/46	3.15 1-2/46
Dec.	Amt. Date	0.45 31/40	0.73 12/46	1.00 12/46	1.45 12/46	1.95 10-11/46	2.96 9-10/46
Annual	Amt. Date	2.22 7/28/44	3.75 8/15/50	4.03 8/15/50	4.64 5/17-18/49	5.91 10/29-30/41	6.90 5/9-10/43

a Also 3/50

b Also 11/47

U. S. WEATHER BUREAU

Station: STIGLER

Drainage basin: ARKANSAS

County: HASKELL

Lat. 35° 16' Long. 95° 08'

Elev.(ft.) 544

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.37 1/41	0.61 1/41	0.77 1/41	1.44 <u>31-1/41</u>	2.67 <u>31-1/41</u>	2.74 <u>31-1/41</u>
Feb.	Amt. Date	1.21 13/46	1.32 13/46	1.41 13/46	1.81 20-21/45	2.29 20-21/45	2.66 20-21/45
Mar.	Amt. Date	0.85 14, 19/45	1.06 18/45	1.17 18/45	1.97 18-19/45	2.86 18-19/45	4.36 18-19/45
Apr.	Amt. Date	1.44 11/43	1.64 11/43	1.84 11/43	3.00 24/42	4.13 24/42	4.16 24-25/42
May	Amt. Date	1.70 12/45	2.23 7/50	2.61 7/50	3.35 7/50	4.78 7/50	5.59 8-9/43
Jun.	Amt. Date	1.65 9/45	2.60 29/46	3.25 29/46	3.40 9/49	3.97 9-10/45	5.32 9-10/45
Jul.	Amt. Date	1.50 10/42	2.03 10/42	2.43 10/42	3.04 22/50	3.70 21-22/50	3.80 21-22/50
Aug.	Amt. Date	2.20 8/48	3.25 8/48	3.70 8/48	4.20 8/48	4.50 8/48	4.50 8/48
Sep.	Amt. Date	1.79 15/50	2.27 15/50	2.36 15/50	2.50 11/47	2.50 11/47	4.77 15-16/50
Oct.	Amt. Date	1.48 28/40	1.93 28/40	2.32 17/47	2.73 17-18/47	3.09 17-18/47	3.30 30-31/41
Nov.	Amt. Date	0.50 9/46	0.97 9/46	1.24 9/46	1.66 3/46	2.04 3/46	2.72 5-6/46
Dec.	Amt. Date	0.73 10/46	1.25 10/46	1.43 10/46	2.47 10/46	4.10 10-11/46	5.30 10-11/46
Annual	Amt. Date	2.20 8/8/48	3.25 8/8/48	3.70 8/8/48	4.20 8/8/48	4.78 5/7/50	5.59 5/8-9/50

U.S. WEATHER BUREAU

Station: STILLWATER

Drainage basin: CIMARRON

County: PAYNE

Lat. 36° 09' Long. 97° 05'

Elev.(ft.) 910

Period of record: 1948-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.20a 15/49	0.40 15/49	0.46 23/49	0.76 23/49	0.96 22-23/49	1.03 10-11/49
Feb.	Amt. Date	0.41 27/50	0.43 27/50	0.45 27-28/50	0.50 27-28/50	0.50 27-28/50	0.50 27-28/50
Mar.	Amt. Date	0.38 20/48	0.42b 20/48	0.46 20-21/48	0.46c 20-21/48	0.59 20-21/48	0.59d 20-21/48
Apr.	Amt. Date	0.70 2/50	1.25 2/50	1.35 2/50	1.63 24/48	2.21 24-25/48	2.21 24-25/48
May	Amt. Date	1.00 18/49	1.40 18/49	1.80 18-19/49	2.00 18-19/49	2.00 18-19/49	2.20 18-19/49
Jun.	Amt. Date	1.20 27/48	1.43 21/48	1.68 21/48	1.80 22-23/48	2.10 22-23/48	2.76 22-23/48
Jul.	Amt. Date	0.84 9/49	1.12 9/49	1.31 9/49	1.40 9/49	1.72 31-1/50	2.32 31-1/50
Aug.	Amt. Date	0.52 29/50	0.57 29/50	0.57 29/50	0.75 9/48	1.72 <u>31-1/50</u>	2.32 <u>31-1/50</u>
Sep.	Amt. Date	0.86 3/49	1.27 3-4/49	1.31 3-4/49	1.35 3-4/49	1.99 3-4/49	2.01 3-4/49
Oct.	Amt. Date	0.53 20/49	0.56 20/49	0.56 20/49	0.57 20/49	0.60 20/49	0.88 20-21/49
Nov.	Amt. Date	0.60 1/48	0.60 1/48	0.60 1/48	0.80 27-28/48	1.10 27-28/48	1.55 27-28/48
Dec.	Amt. Date	0.16E 21/49	0.31E 21/49	0.46E 21/49	0.92E 21/49	1.23 21/49	1.23 21/49
Annual	Amt. Date	1.20 6/27/48	1.43 6/21/48	1.80 5/18-19/49	2.00 5/18-19/49	2.21 4/24-25/48	2.76 6/22-23/48

a Also 23/49

b Also 25/49

c Also 25/49

d Also 25-26/49



U. S. WEATHER BUREAU

Station: TENKILLER FERRY DAM

Drainage basin: ARKANSAS

County: SEQUOYAH

Lat. 35° 36' Long. 95° 03'

Elev.(ft.) 700

Period of record: 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.73 3/50	0.93 3/50	1.10 3/50	1.44 3-4/50	1.69 12-13/50	2.19 12-13/50
Feb.	Amt. Date	0.90 28/50	0.92 28/50	0.94 28/50	0.99 11, 28/50	1.11 11-12/50	1.93 11-12/50
Mar.	Amt. Date	0.95 11/50	0.95 11/50	0.96 11/50	1.00 11/50	1.00 11/50	1.00 11/50
Apr.	Amt. Date	1.58 30/49	1.78 30/49	1.98 30/49	2.42 30-1/49	3.18 30-1/49	3.20 30-1/49
May	Amt. Date	1.20 10/50	1.66 10/50	1.98 10/50	2.72 10/50	3.95 10/50	5.53 10-11/50
Jun.	Amt. Date	1.00 9/49	1.24 3/49	1.38 13/49	1.86 3/49	1.90 3/49	1.90 3/49
Jul.	Amt. Date	2.34 29/50	2.68 29/50	2.80 29/50	2.85 29/50	2.98 29/50	3.58 28-29/50
Aug.	Amt. Date	1.00 14/49	1.14 14/49	1.30 14/49	1.35 14/49	1.62 1/50	1.62 1/50
Sep.	Amt. Date	1.05 7/49	1.10 7/49	1.81 15/50	2.00 15/50	2.02 15/50	2.17 15/50
Oct.	Amt. Date	0.28 4/49	0.49 4/49	0.60 4/49	0.65 4/49	0.91 23-24/49	1.24 23-24/49
Nov.	Amt. Date	0.33 11/49	0.35 11/49	0.35 11/49	0.35 11/49	0.36 5/50	0.49 11-12/49
Dec.	Amt. Date	0.45 21/49	0.55 21/49	0.58 21/49	0.84 26/49	1.31 26/49	1.50 26-27/49
Annual	Amt. Date	2.34 7/29/50	2.68 7/29/50	2.80 7/29/50	2.85 7/29/50	3.95 5/10/50	5.53 5/10-11/50

U. S. WEATHER BUREAU

Station: TIPTON

Drainage basin: RED

County: TILLMAN

Lat. 34° 26' Long. 99° 08'

Elev.(ft.) 1355

Period of record: 1942-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.70 26/44	0.92 26/44	1.03 26/44	1.21 26-27/44	1.39E 17/45	1.85 17/45
Feb.	Amt. Date	0.34 12/50	0.66 12/50	0.95 12/50	1.54 12-13/50	1.85 12-13/50	1.86 12-13/50
Mar.	Amt. Date	0.64 20/49	0.70 20/49	0.76 20/49	1.06 20/49	1.21 20-21/49	1.21 20-21/49
Apr.	Amt. Date	1.05 2/47	1.62 2/47	1.70 2/47	1.72 2-3/47	1.75 2-3/47	2.00 14-15/47
May	Amt. Date	1.15 19/47	1.70 11/47	1.85 19/47	2.25 15-16/47	2.83 15-16/47	3.02 15-16/47
Jun.	Amt. Date	2.15 11/45	4.08 11/45	4.16 11/45	4.16 11/45	4.16 11/45	4.31 11/45
Jul.	Amt. Date	1.05 13/45	1.07 13/45	1.10 23/48	1.70 13/45	1.70a 13/45	1.70b 13/45
Aug.	Amt. Date	1.40 7/48	1.42 7/48	1.47 26/46	1.79 22/50	2.16 6-7/45	2.20 6-7/45
Sep.	Amt. Date	1.07 1/43	1.32 8/49	1.37 8/49	2.25E 18-19/42	4.50E 18-19/42	4.50E 18-19/42
Oct.	Amt. Date	0.90 15/47	1.70 15/47	2.50 15/47	3.38 15/47	3.40 15-16/47	3.90 15-16/47
Nov.	Amt. Date	0.57 3/46	0.65 3/46	0.65 3/46	1.13 3/46	1.15 3/46	1.53 2-3/46
Dec.	Amt. Date	0.26 21/42	0.45 4/44	0.60 4/44	0.80E 3-4/47	1.59E 3-4/47	2.25 3-4/47
Annual	Amt. Date	2.15 6/11/45	4.08 6/11/45	4.16 6/11/45	4.16 6/11/45	4.50E 9/18-19/42	4.50E 9/18-19/42

a Also 7/50

b Also 7/50

U. S. WEATHER BUREAU

Station: TULSA WB AIRPORT\*

Drainage basin: ARKANSAS

County: TULSA

Lat. 36° 11' Long. 95° 54'

Elev.(ft.) 672

Period of record: 1940-1950 (BREAK)

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.36 27/44	0.53 25/49	0.78 25/49	1.33 25/49	1.65 4-5/46	2.25 4-5/46
Feb.	Amt. Date	0.90 27/50	1.05 27/50	1.12 27/50	1.15 27-28/50	1.29 7-8/44	1.33 7-8/44
Mar.	Amt. Date	0.89(w) 15/44	1.11(w) 15/44	1.40 15/44	2.19 15/44	2.57 15/44	2.66 14-15/44
Apr.	Amt. Date	1.18(w) 30/49	1.89(w) 12/45	2.42 12/45	2.88 12/45	2.88 12/45	2.88 12/45
May	Amt. Date	2.53(w) 19/49	3.60(w) 19/49	3.74 19/49	3.76 19/49	3.88E 9/43	7.30(x) 9-10/43
Jun.	Amt. Date	1.89 9/42	2.33 9/42	2.91E 30/42	3.69 9/41	4.72 9/41	5.10 9-10/41
Jul.	Amt. Date	1.55 5/50	1.60 10/42	2.05 10/42	2.20 10/42	2.20 10/42	2.20 10/42
Aug.	Amt. Date	1.47(w) 6/44	1.81(w) 6/44	2.13(w) 6/44	2.24 6-7/44	3.08 13-14/42	3.40 13-14/42
Sep.	Amt. Date	1.98 4/40	3.59 4/40	3.81 4/40	4.45 4/40	5.89 4/40	6.39(x) 3-4/40
Oct.	Amt. Date	1.50 2/41	2.08 2/41	2.36 2/41	3.45 2/41	3.96 2/41	4.01 1-2/41
Nov.	Amt. Date	0.68 1/46	1.30 1/46	1.40 1/46	1.78 1/46	2.76 31-1/46	2.77 31-1/46
Dec.	Amt. Date	0.74 9/46	0.82 8-9/46	0.86 8-9/46	0.98 4/44	1.26 27/43	1.62 27/43
Annual	Amt. Date	2.53(w) 5/19/49	3.60(w) 5/19/49	3.81 9/4/40	4.45 9/4/40	5.89 9/4/40	7.30(x) 5/9-10/43

\*First order station established April 1940.

U.S. WEATHER BUREAU

Station: TURPIN

Drainage basin: CANADIAN

County: BEAVER

Lat. 36° 52' Long. 100° 52'

Elev.(ft.) 2738

Period of record: 1941-1949

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.32 26/44	0.57 26/44	0.71 26/44	0.72 26/44	0.79 26/44	0.90 26-27/44
Feb.	Amt. Date	0.35 26/48	0.43 18/46	0.53a 18/46	0.70 27/48	1.27 26-27/48	1.70 26-27/48
Mar.	Amt. Date	0.51 16/47	0.66 16/47	0.69 16-17/47	0.71 16-17/47	0.74 16-17/47	0.76 16-17/47
Apr.	Amt. Date	0.93 6/42	0.95 6/42	0.95 6/42	1.10 9-10/44	1.10 9-10/44	1.20 11-12/47
May	Amt. Date	1.63 15/49	1.74 15/49	1.91 22-23/41	2.47 22-23/41	2.56 22-23/41	2.56 22-23/41
Jun.	Amt. Date	1.70 4/49	2.16 8/49	2.59 8/49	2.73 8/49	2.76 8-9/49	3.05 3-4/49
Jul.	Amt. Date	0.75 11/44	0.87 20/44	0.98 20/44	1.12 28/45	1.12 28/45	1.12 28/45
Aug.	Amt. Date	1.25b 15/44	2.35 15/44	2.70 6/47	2.95 6/47	2.95 6/47	2.95 6/47
Sep.	Amt. Date	0.70 26/45	0.90 26/45	1.05 26/45	1.25 26/45	1.47 26-27/45	1.95 26-27/45
Oct.	Amt. Date	1.53 21/41	1.96 21/41	2.21 21/41	2.58 21/41	3.70 21/41	4.00 21/41
Nov.	Amt. Date	0.35 6/44	0.50 3/46	0.65 3/46	1.25 3/46	1.70 3/46	2.65 3-4/46
Dec.	Amt. Date	0.17c 4/44	0.30 4/47	0.34 4/44	0.46 9-10/43	0.54 9-10/43	0.71 9-10/43
Annual	Amt. Date	1.70 6/4/49	2.35 8/15/44	2.70 8/6/47	2.95 8/6/47	3.70 10/21/41	4.00 10/21/41

a Also 27/48

b Also 6/47

c Also 4/47

U. S. WEATHER BUREAU

Station: TUSKAHOMA

Drainage basin: RED

County: PUSHMATAHA

Lat. 34° 37' Long. 95° 16'

Elev.(ft.) 566

Period of record: 1941-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.67 24/49	1.20 24/49	1.80 24/49	2.75 24/49	3.65 24/49	6.01 23-24/49
Feb.	Amt. Date	0.85 16/45	0.98 16/45	1.11 16/45	2.01 16/45	3.17 20-21/45	4.34 20-21/45
Mar.	Amt. Date	0.64 19/45	0.94 21/49	1.22 21/49	1.55 21/49	1.88 20-21/49	2.54 18-19/45
Apr.	Amt. Date	1.20 28/50	1.42 24/46	1.77 19/44	2.37 28/47	2.90 28/47	2.99 28/47
May	Amt. Date	2.58 10/43	4.10 10/43	5.70 10/43	7.18 10/43	7.90 10/43	9.82 9-10/43
Jun.	Amt. Date	1.95 22/42	2.66 9/45	2.94 9-10/45	3.56 9-10/45	3.63 9-10/45	4.51 9-10/45
Jul.	Amt. Date	1.50 5/50	2.61 5/50	3.15 5/50	4.03 5/50	5.01 4-5/50	5.49 4-5/50
Aug.	Amt. Date	1.16 22/50	1.41 22/50	1.48 22/50	1.55 30/44	1.82 30/44	1.95 29-30/44
Sep.	Amt. Date	1.50 15/50	2.00 15/50	2.46 15/50	2.52 15/50	4.06 15-16/50	4.66 15-16/50
Oct.	Amt. Date	1.39 2/44	1.50 2/44	1.50 2/44	2.18 17-18/47	2.18 17-18/47	2.86 30/41
Nov.	Amt. Date	1.00 7/44	1.65 2/46	2.30 2/46	3.40 2/46	3.83 2/46	3.95 2-3/46
Dec.	Amt. Date	1.07 8/47	1.47 8/47	1.67 8/47	2.60 8/47	2.97 7-8/47	3.85 7-8/47
Annual	Amt. Date	2.58 5/10/43	4.10 5/10/43	5.70 5/10/43	7.18 5/10/43	7.90 5/10/43	9.82 5/9-10/43

U.S. WEATHER BUREAU

Station: WAYNOKA

Drainage basin: CIMARRON

County: WOODS

Lat. 36° 34' Long. 98° 53'

Elev.(ft.) 1530

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.31 26/44	0.55 9/49	0.60E 9/49	0.75E 9/49	1.05E 9/49	1.65E 9-10/49
Feb.	Amt. Date	0.35 25/48	0.67 25/48	0.75 25/48	1.50 25-26/48	2.11 25-26/48	2.15 25-26/48
Mar.	Amt. Date	0.85 14/45	1.00 14/45	1.15 14/45	1.55 14/45	1.94 11-12/47	2.22 11-12/47
Apr.	Amt. Date	1.65 9/44	1.80 9/44	1.85 9/44	1.90 9/44	1.95 9/44	1.97 9-10/44
May	Amt. Date	1.56 22/41	1.69 22/41	1.71 22/41	1.74 22/41	1.78 15/47	2.48 15/47
Jun.	Amt. Date	1.05 8/49	1.32 8/49	1.36 8/49	1.80 28-29/46	1.82 28-29/46	2.08 27/48
Jul.	Amt. Date	1.70 26/45	2.90 25/44	3.13 25/44	3.76 24-25/44	3.77 24-25/44	3.89 24-25/44
Aug.	Amt. Date	1.98 17/40	2.03 17/40	2.05 17/40	2.09 17/40	2.11 17/40	2.11 17/40
Sep.	Amt. Date	1.80 27/45	2.45 27/45	2.80 27/45	3.20 27-28/45	3.42 27-28/45	3.68 27-28/45
Oct.	Amt. Date	1.32 2/44	2.20 2/44	2.70 2/44	4.35 2/44	4.63 2/44	4.63 2/44
Nov.	Amt. Date	0.28 6/44	0.49 20/40	0.67 20/40	0.92 5-6/46	1.18 25/40	1.46 25-26/40
Dec.	Amt. Date	0.35 12/46	0.53 12/46	0.65 3/47	0.84E 4/44	1.22 4/44	1.57 2-3/47
Annual	Amt. Date	1.98 8/17/40	2.90 7/25/44	3.13 7/25/44	4.35 10/2/44	4.63 10/2/44	4.63 10/2/44

U.S. WEATHER BUREAU

Station: WEST BRANCH

Drainage basin: ARKANSAS

County: PAWNEE

Lat. 36° 15' Long. 96° 40'

Elev.(ft.) 900

Period of record: 1945-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.55 12/50	0.63 4/46	0.90 4/46	1.20 4/46	1.45 22-23/49	1.55 4-5/46
Feb.	Amt. Date	0.59 27/50	0.75 27/50	0.81 27/50	0.85a 29-1/48	1.00 29-1/48	1.25 29-1/48
Mar.	Amt. Date	0.60 11/50	0.60 11/50	0.85 14/45	1.38 14/45	1.45 14-15/45	1.45 14-15/45
Apr.	Amt. Date	0.77 24/48	0.82 24/48	1.45 24/48	1.60 24/48	2.36 24-25/48	2.41 24-25/48
May	Amt. Date	1.35 18/49	1.70 18-19/49	2.20 18-19/49	2.21 18-19/49	2.22 18-19/49	2.34 15-16/47
Jun.	Amt. Date	1.20 26/46	1.50 26/46	1.50 26/46	1.54 26/46	1.94 21-22/48	3.19 21-22/48
Jul.	Amt. Date	2.33 10/50	3.19 10/50	3.25 10/50	3.75 10/50	4.00 10/50	4.21 9-10/50
Aug.	Amt. Date	1.87 8/48	2.37 6/45	2.37 6/45	2.50 8/48	2.53 8/48	2.53 8/48
Sep.	Amt. Date	1.25 24/45	1.80 24/45	2.10 24/45	2.15 24/45	2.75 24/45	2.75 24/45
Oct.	Amt. Date	0.20 10/49	0.26 10/49	0.34 23/49	0.73 31-1/46	0.90 31-1/46	0.94 23-24/49
Nov.	Amt. Date	0.47 2/46	0.54 2/46	0.57 2/46	0.90 2/46	1.10 2/46	1.47 27-28/48
Dec.	Amt. Date	0.48 3/47	0.55 3/47	0.61 3/47	0.73 3-4/47	0.94 3-4/47	0.95 3-4/47
Annual	Amt. Date	2.33 7/10/50	3.19 7/10/50	3.25 7/10/50	3.75 7/10/50	4.00 7/10/50	4.21 7/9-10/50

a Also 27/50

U. S. WEATHER BUREAU

Station: WICHITA MOUNTAIN WILDLIFE REFUGE

Drainage basin: RED

County: COMANCHE

Lat. 34° 43' Long. 98° 51'

Elev.(ft.) 1600

Period of record: 1940-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.50 26/44	0.65 26/44	0.70 26/44	1.05 22-23/49	1.69 17/45	1.98 17-18/44
Feb.	Amt. Date	0.35 17/46	0.68 17/46	0.93 17/46	1.15 17/46	1.53 12-13/50	1.73 12-13/50
Mar.	Amt. Date	0.74 10/45	0.99 10/45	1.10 21/44	1.40 21/44	1.42 21/44	1.42 21/44
Apr.	Amt. Date	2.22 9/44	2.84 9/44	3.04 9/44	3.05 9-10/44	3.09 9-10/44	3.11 9-10/44
May	Amt. Date	2.48 18/43	2.99 18/43	3.05 18/43	3.06 18-19/43	3.98 15-16/47	4.10 15-16/47
Jun.	Amt. Date	3.08 2/49	4.20 2-3/49	4.81 2-3/49	5.00 2-3/49	5.02 2-3/49	5.02 2-3/49
Jul.	Amt. Date	1.92 1/40	2.03 1/40	2.10 10/45	2.50 10/45	2.55 9-10/45	2.60 9-10/45
Aug.	Amt. Date	1.23 26/46	2.30 15/50	3.20 15/50	4.10 15-16/50	4.10 15-16/50	4.43 15-16/50
Sep.	Amt. Date	1.85 26/45	2.10 26/45	2.30 26/45	2.50 26/45	3.30 18-19/42	4.62 25-26/45
Oct.	Amt. Date	0.87 15/47	1.62 15/47	1.87 15/47	2.73 24-25/47	2.95 24-25/47	3.23 24-25/47
Nov.	Amt. Date	0.55 6/44	0.74 6-7/44	0.85 6-7/44	0.90 14/47	1.05 25/40	1.35 24-25/40
Dec.	Amt. Date	0.55 3/47	0.88 3/47	1.00 3/47	1.31 3/47	1.97 3/47	2.17 3-4/47
Annual	Amt. Date	3.08 6/2/49	4.20 6/2-3/49	4.81 6/2-3/49	5.00 6/2-3/49	5.02 6/2-3/49	5.02 6/2-3/49



U.S. WEATHER BUREAU

Station: WOODWARD FIELD STATION

Drainage basin: CANADIAN

County: WOODWARD

Lat. 36° 25' Long. 99° 24'

Elev.(ft.) 1976

Period of record: 1949-1950

Month		Duration (hours)					
		1	2	3	6	12	24
Jan.	Amt. Date	0.17 10/49	0.23 10/49	0.28 10/49	0.39 10/49	0.66 10/49	0.91 10-11/49
Feb.	Amt. Date	0.60 13/50	0.91 13/50	1.15 13/50	1.55 13/50	2.00 13/50	2.04 13/50
Mar.	Amt. Date	0.34 20/49	0.61 20/49	0.79 20/49	0.84 20/49	0.88 20/49	0.88 20/49
Apr.	Amt. Date	0.45 26/49	0.75 26/49	0.80 26/49	0.80 26/49	0.80 26/49	0.80 26/49
May	Amt. Date	1.55 7/50	2.19 7/50	2.38 7/50	2.38 7/50	2.38 7/50	2.38 7/50
Jun.	Amt. Date	1.00 10/50	1.66 10/50	1.80 10/50	1.91 10/50	1.95 10/50	1.95 10/50
Jul.	Amt. Date	2.52 28/50	3.40 28/50	3.40 28/50	3.40 28/50	3.40 28/50	3.40 28/50
Aug.	Amt. Date	0.65 30/49	1.04 30/50	1.04 30/50	1.17 29-30/49	1.25 29-30/49	1.25 29-30/49
Sep.	Amt. Date	0.60 16/50	0.60 16/50	0.60 16/50	0.62 16/50	0.64 16/50	0.64 16/50
Oct.	Amt. Date	1.42 9/49	1.60 9/49	1.75 9/49	1.77 9/49	1.77 9/49	2.13 9/49
Nov.	Amt. Date	0.06 2/50	0.10 2/50	0.14 2/50	0.20 2/50	0.24 2/50	0.24 2/50
Dec.	Amt. Date	0.27 21/49	0.45 21/49	0.53 21/49	0.58 21/49	0.69 20-21/49	0.69 20-21/49
Annual	Amt. Date	2.52 7/28/50	3.40 7/28/50	3.40 7/28/50	3.40 7/28/50	3.40 7/28/50	3.40 7/28/50