

NOAA Technical Memorandum NWS HYDRO-33



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GREATEST KNOWN AREAL STORM
RAINFALL DEPTHS FOR THE
CONTIGUOUS UNITED STATES

Office of Hydrology
Silver Spring, Md.
December 1976

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

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- WBTM HYDRO 11 Joint Probability Method of Tide Frequency Analysis Applied to Atlantic City and Long Beach Island, N.J. Vance A. Myers, April 1970. (PB-192-745)

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- NWS HYDRO 12 Direct Search Optimization in Mathematical Modeling and a Watershed Model Application. John C. Monro, April 1971. (COM-71-00616)
- NWS HYDRO 13 Time Distribution of Precipitation in 4- to 10-Day Storms--Ohio River Basin. John F. Miller and Ralph H. Frederick, May 1972. (COM-72-11139)
- NWS HYDRO 14 National Weather Service River Forecast System Forecast Procedures. December, 1972. (COM-73-10517)

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GREATEST KNOWN AREAL STORM
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CONTIGUOUS UNITED STATES

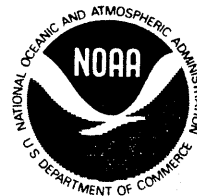
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Office of Hydrology
Silver Spring, Md.
December 1976

UNITED STATES
DEPARTMENT OF COMMERCE
Elliot L. Richardson, Secretary

NATIONAL OCEANIC AND
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Robert M. White, Administrator

National Weather
Service
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GREATEST KNOWN AREAL STORM RAINFALL DEPTHS FOR THE CONTIGUOUS UNITED STATES

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ABSTRACT. The greatest known areal storm rainfall depths for the contiguous United States are presented for the winter, spring, summer, and fall seasons. The depths are for 100, 200, 1000, 5000, and 10,000 square miles (259, 518, 2590, 12,950, 25,900 km²) for 6, 12, 24 and 48 hours. The rainfall values are given on maps and identified on adjacent tables.

INTRODUCTION

Basic to many hydrometeorological studies are areal depths of rainfall. Because of the great variability in storm precipitation from point to point, an areal average depth is more representative of effective basin catch and is the precipitation value that can be used directly for many purposes. We believe this report giving the greatest known areal rainfall values will be useful to many studies in the fields of meteorology and hydrology.

The first known published record of areal storm rainfall depths for the United States (Miami Conservancy District 1936) was the result of many years of effort in determining the greatest 1-, 2-, 3-, etc., day areal depths in major storms east of the 103d meridian.

In the late 1930's, the Weather Bureau established a Hydrometeorological Unit, funded by the U. S. Army Corps of Engineers, whose function continues to be the making of hydrometeorological studies, in particular, regarding estimates of extreme rainfall rates over selected regions or drainages. Estimates of the most extreme rainfalls that nature can provide are used as meteorological criteria in design of water control structures. A first step in this joint effort of the Corps and the Weather Bureau was to determine the maximum depths of major rainfalls systematically by 6-hr duration steps over standard area sizes. These values are published in "Storm Rainfall in the United States" (Corps of Engineers 1945-), a continuing effort to include maximum areal depths for all major storms. To date (January 1976) 539 storms are included. For convenience we will refer to this document as "Storm Rainfall."

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The method for computing such maximum rainfall depths has been systematized into an objective procedure. The procedure requires station mass curves of rainfall (accumulated rainfall vs. time) and the total storm isohyetal map. The procedure is published in a World Meteorological Organization Manual (WMO No. 237, TP 129, 1969).

Over the years the Hydrometeorological Branch has accumulated numerous other areal rainfall depths. These come from several sources that are described in the next section. The objective of this report is to catalog the five greatest known areal storm rainfall depths from all of these sources within each of 40 sections for the four seasons.

STORM DATA

The best data set for this report is "Storm Rainfall". Detailed and consistent computations for maximum areal depths are included in this publication for all storms in this set. In the tables and maps that follow, depths for storms from this set are identified by "Storm Rainfall" or by letter "A".

A second set of data consists of depths that the Hydrometeorological Branch has accumulated over the years from a number of sources. This includes estimates for storms made by Corps of Engineers District Offices. It also includes estimates based on published and unpublished isohyetal patterns for which the Hydrometeorological Branch has used approximate methods with a few recorder stations to obtain the time distribution. For particular large basin studies, the Hydrometeorological Branch has plotted isohyetal maps from the Climatological Data (National Weather Service) and used approximations to obtain estimates of maximum areal depths for selected durations. For all estimates in this second data set, either the standard systematized depth-area-duration analysis was used in part or alternate procedures were applied. For the maps and tabulations of this report, depths from this data set are identified by "Hydrometeorological Branch" or "H".

A third data set is storm rainfall depths determined by the Bureau of Reclamation or by the Cooperative Studies Section (now Special Studies Branch) of the U. S. Weather Bureau (now National Weather Service) funded by the Bureau of Reclamation. Most of these data are for the Western States. Some of these depths were determined by standard procedures. Others result from less complete or approximate studies similar to those in the second set. Depths from this third set are identified in this report by "Bureau of Reclamation" or "R".

Detailed isohyetal maps and mass curves of station rainfall are available for the data from "Storm Rainfall." The amount of basic data for the remaining storms varies. For some storms only isohyetal maps are available. For some, only maximum average depths for the storm duration are available. For others, only rainfall over a particular drainage basin is considered; that is, the depths are not "storm centered". Depths obtained from the literature and unpublished studies, in some cases have no back-up material, in others, a bare minimum.

DISTRIBUTIONS OF STORM AREAL DEPTHS

Table 1 shows the number of storms from the three sources just described for which some maximum areal rainfall depths are available. "Storm Rainfall" provides 63 percent of the total of 853 storms, "Hydrometeorological Branch", 26 percent, and "Bureau of Reclamation," 11 percent.

Table 1.--Number of storms from three sources for which areal depths are available.

| <u>Source</u> | <u>Number of storms</u> | <u>% of total</u> |
|--|-------------------------|-------------------|
| 1. "Storm Rainfall" | 539 | 63 |
| 2. "Bureau of Reclamation" | 93 | 11 |
| 3. "Hydrometeorological Branch" (includes data extracted from the literature) | 221 | 26 |
| Total | 853 | 100 |

All the storms do not give maximum depth-area-duration (D-A-D) values for the entire array of area sizes, from 10- (25.9 km²) to over 50,000 mi² (129,500 km²) and durations from 6 to over 72 hr. It is natural that there would be more data for shorter durations than for longer and for smaller areas than for larger because nature has produced more shorter duration and smaller area storms. Table 2 summarizes the number of areal rainfall depths available for a full range of standard areas and durations.

Table 2.--Number of storm rainfall depths for standard area sizes and durations

| <u>Area</u> | | <u>Duration (hr)</u> | | | | | | | | | |
|-----------------------|-----------------------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| <u>Km²</u> | <u>mi²</u> | <u>6</u> | <u>12</u> | <u>18</u> | <u>24</u> | <u>30</u> | <u>36</u> | <u>48</u> | <u>60</u> | <u>72</u> | |
| 26 | 10 | 695 | 682 | 657 | 659 | 557 | 593 | 560 | 409 | 391 | |
| 259 | 100 | 724 | 708 | 673 | 682 | 568 | 608 | 574 | 410 | 401 | |
| 518 | 200 | 719 | 707 | 673 | 684 | 566 | 608 | 578 | 406 | 403 | |
| 1295 | 500 | 730 | 717 | 681 | 695 | 577 | 615 | 592 | 414 | 415 | |
| 2590 | 1000 | 750 | 739 | 693 | 718 | 585 | 625 | 605 | 420 | 420 | |
| 5180 | 2000 | 697 | 693 | 650 | 667 | 563 | 583 | 556 | 413 | 396 | |
| 12,950 | 5000 | 666 | 665 | 632 | 656 | 648 | 570 | 556 | 407 | 401 | |
| 25,900 | 10,000 | 603 | 604 | 576 | 601 | 502 | 529 | 521 | 381 | 378 | |
| 51,800 | 20,000 | 469 | 469 | 455 | 469 | 409 | 432 | 424 | 327 | 315 | |

More data appear at 1000 mi² (2590 km²) than any other size area because the Hydrometeorological Branch made a special effort to determine large-area depths for a generalized extreme precipitation study covering large basins in the Eastern two-thirds of the United States (Riedel and Schreiner 1972). The study covered area sizes between 1000 (2590 km²) and 20,000 mi² (51,800 km²).

The seasonal distribution of available storm D-A-D data is of interest. For studies involving a contribution of runoff from snowmelt, it is necessary to consider the capability of extreme rainfall in the spring on top of a snow cover as well as the most extreme for other seasons of the year. Table 3 shows the distribution of the available D-A-D data among the 12 months. When a storm date bracketed 2 months, the storm was assigned the earlier month.

Table 3.--Seasonal distribution of available areal rainfall depths

| Month | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Tot. |
|---------------|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|------|
| No. of Storms | 43 | 37 | 53 | 44 | 80 | 133 | 97 | 101 | 124 | 50 | 37 | 54 | 853 |
| % of Storms | 5 | 4 | 6 | 5 | 10 | 16 | 11 | 12 | 15 | 6 | 4 | 6 | 100 |

The table emphasizes the limited data available for analysis where seasonal variation is important. For example, fewer than 125 storms have been analyzed over the contiguous 48 United States in April and May, the critical snowmelt period for many locations. The table shows that over half of the total analyzed storms occurred in the period June to September; the season of most importance with respect to the greatest rainfall potential over many of the states.

Also of interest is the regional distribution of the data over the 48 states. This is shown in a rather broad way in figure 1.

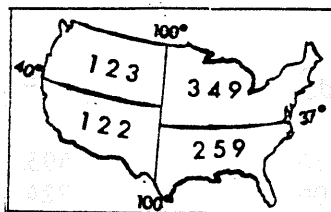


Figure 1.--Distribution of available storm areal rainfall data among four regions of the United States.

The contiguous 48 states are divided into four approximately equal-sized regions by the 100th meridian (through western Kansas) and the 40th parallel of latitude to the west (approximately through Denver, Colorado) and the 37th parallel of latitude to the east (along the southern border of Kansas). The outstanding feature of the figure is that only about 29 percent of the storms are in the western states.

Another interesting distribution of the storms is chronological. The earliest storm is 1819 but only two occurred prior to 1866. There are 34 storms or 4 percent of the total, prior to 1890. The largest number, 179 or 21 percent of the total are in the decade of 1935 to 1944. Between 1906 and 1945 there are 612 or 72 percent of the total. The large number of records of storms in the last period is due to a concentrated effort to obtain basic storm data soon after establishment of the Hydrometeorological Branch. Since 1945, all major storms are included, but lesser storms have been omitted. Other factors that affect the chronological distribution are how much effort can be put into storm analysis, and the number of flood control projects being considered at various times. The actual occurrences of major storms are believed to have a minor effect on the chronological distribution of the number of storms in this report.

MAXIMUM OBSERVED AREAL RAINFALL DEPTHS FOR THE UNITED STATES

The maximum observed areal rainfall depths for the United States from the available data are summarized in table 4. All of the values are from "Storm Rainfall". Because of less interest in storm depths over large areas, say for 20,000 mi² (51,800 km²), some greater values for larger areas may not have been included. One such case is known, that is the U. S.-Mexico storm of Sept 19-24, 1967. This storm was analyzed out to the enveloping 4-in. (101-mm) isohyet. Had the storm analysis been extended to the 3-in. (76-mm) isohyet, considerably greater depths would have been recorded for 100,000 mi² (259,000 km²) for at least 48 and 72 hr than those shown in the table.

FIVE GREATEST AREAL DEPTHS BY SECTIONS OVER THE UNITED STATES

The major purpose of this report is to present the greatest areal rainfall depths by seasons and regions over the United States. To keep the report from being too large, depths are shown only for areas of 100-, 200-, 1000-, 5000-, and 10,000 mi² (259, 518, 2590, 12,950, 25,900 km²) for durations of 6, 12, 24, and 48 hr. For depths between the given durations and area sizes, interpolation should give a reasonable estimate. Smaller area sizes were omitted in order not to become involved with extreme point values. Such data are given in Technical Papers (Weather Bureau 1963, 1951-1961, and 1952).

The United States was divided into 40 sections by a 5-degree latitude and longitude grid. There are several departures from the 5 x 5-degree sections to allow combining a small portion of northern Michigan into section No. 8,

Table 4.--Maximum observed areal rainfall depths for the United States
(Average rainfall in inches and (millimeters))

| Area | Duration (hours) | | | | | | |
|---|------------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| | 6 | 12 | 18 | 24 | 36 | 48 | 72 |
| 10 mile ² (26 km ²) | 24.7a (627) | 29.8b (757) | 36.3c (922) | 38.7c (983) | 41.8c (1062) | 43.1c (1095) | 45.2c (1148) |
| 100 mile ² (259 km ²) | 19.6b (498) | 26.3c (668) | 32.5c (826) | 35.2c (894) | 37.9c (963) | 38.9c (988) | 40.6c (1031) |
| 200 mile ² (518 km ²) | 17.9b (455) | 25.6c (650) | 31.4c (798) | 34.2c (869) | 36.7c (932) | 37.7c (958) | 39.2c (996) |
| 500 mile ² (1,295 km ²) | 15.4b (391) | 24.6c (625) | 29.7c (754) | 32.7c (831) | 35.0c (889) | 36.0c (914) | 37.3c (947) |
| 1,000 mile ² (2,590 km ²) | 13.4b (340) | 22.6c (574) | 27.4c (696) | 30.2c (767) | 32.9c (836) | 33.7c (856) | 34.9c (886) |
| 2,000 mile ² (5,180 km ²) | 11.2b (284) | 17.7c (450) | 22.5c (572) | 24.8c (630) | 27.3c (693) | 28.4c (721) | 29.7c (754) |
| 5,000 mile ² (12,950 km ²) | 8.1bj (206) | 11.1b (282) | 14.1b (358) | 15.5c (394) | 18.7d (475) | 20.7d (526) | 24.4d (620) |
| 10,000 mile ² (25,900 km ²) | 5.7j (145) | 7.9k (201) | 10.1e (257) | 12.1e (307) | 15.1d (384) | 17.4d (442) | 21.3d (541) |
| 20,000 mile ² (51,800 km ²) | 4.0j (102) | 6.0k (152) | 7.9e (201) | 9.6e (244) | 11.6d (295) | 13.8d (351) | 17.6d (447) |
| 50,000 mile ² (129,500 km ²) | 2.5eh (64) | 4.2g (107) | 5.3e (135) | 6.3e (160) | 7.9e (201) | 9.9l (252) | 13.2l (335) |
| 100,000 mile ² (259,000 km ²) | 1.7h (43) | 2.5ih (64) | 3.5e (89) | 4.3e (109) | 5.9m (150) | 6.6f (168) | 8.9f (226) |

| Storm | Date | Location of center | Corps of Engineers Assignment No. |
|-------|---------------------|-----------------------|--------------------------------------|
| a | 17-18 July 1942 | Smethport, Pa. | OR9-23 |
| b | 8-10 Sept 1921 | Thrall, Tex. | GM4-12 |
| c | 3-7 Sept 1950 | Yankeetown, Fla. | SA5-8 |
| d | 27 June-1 July 1899 | Hearne, Tex. | GM3-4 |
| e | 13-15 Mar 1929 | Elba, Ala. | LM2-20 |
| f | 5-10 July 1916 | Bonifay, Fla. | GM1-19 |
| g | 15-18 Apr 1900 | Eutaw, Ala. | LMV-2-5 |
| h | 22-26 May 1908 | Chattanooga, Okla. | SW1-10 |
| i | 19-22 Nov 1934 | Millry, Ala. | LMV-1-18 |
| j | 27 June-4 July 1936 | Bebe, Tex. | GM5-6 |
| k | 12-16 Apr 1927 | Jefferson Parish, La. | LMV4-8 |
| l* | 19-24 Sept 1967 | Sombrettillo, Mex. | SW3-24 |
| m | 29 Sept-3 Oct 1929 | Vernon, Fla. | SA3-23 |

*More than half of the area covered is in the United States.

the northern portion of New England and New York into section No. 9, a small additional coastal portion into section No. 38, and a small portion of southern Texas into section No. 39.

Within each of these 40 sections, the five greatest known areal depths are given on maps for each of the five area sizes and four durations. This is done separately for each of the four seasons:

- Winter: December, January, February
- Spring: March, April, May
- Summer: June, July, August
- Fall: September, October, November

Each map is followed by a table identifying the storms contributing the five greatest depths. Clarification of the information in the tables is given in table 5.

Table 5.--Identification of storm listings

| | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT. LONG. |
|---|---------|----------------------|----------------------|-------------------------------|------------------------|
| Section Number | 10(14) | | | | |
| B if Basin Centered Value | 11.4 | | 12/29/13-01/03/914 R | - | 3955 12125 |
| Total Number of Storms in Section | 9.2 | | 1/11/09-01/16/909 R | - | 3900 12025 |
| Rainfall Depth in Inches | 8.3(| 1011- 24) | 12/09/37-12/12/937 H | - | 3945 12130 |
| | 8.1 | | 12/08/29-12/13/929 R | - | 4105 12210 |
| | 8.0 | | 2/4/40-02/29/940 R | - | 3955 12125 |
| Area and Duration of Rainfall if Different from Map Area and Duration (mi ² -hr) | | | | | |
| Storm Beginning and Ending Dates | | | | | |
| A-"Storm Rainfall" R-Bureau of Reclamation H-Hydrometeorological Branch | | | | | |
| Storm Center Latitude in Degrees and Minutes | | | | | |
| Storm Center Longitude in Degrees and Minutes | | | | | |

The section number on the left is followed by the total number of storm depths in the section. The five greatest depths are then given in inches. If a depth is based on basin-centered data rather than isohyetal-centered data, it is preceded by a "B". Basin-centered depths are always the same or less than isohyetal-centered data for the same storm.

Not every storm has a complete array of D-A-D values. Instead of not including data if no values were available for a standard area size or duration, the following was done:

1. If there was no value for the map area size, the value for the next larger area available is given.
2. If there was no value for the map duration, the longest duration value, shorter than the map duration, is given.
3. Both of 1 and 2 can apply to some storms.

The storm values falling into any of these three categories are identified on the maps by an asterisk, and the actual area and/or duration of the depths are given in the table under "Comment Area/Dur."

Next, the tables give the storm period and source of the data. Should a storm overlap into the next season, the beginning of the storm period determines into which season the storm is placed. The sources discussed earlier are coded as follows:

| | <u>Code</u> |
|----------------------------|-------------|
| "Storm Rainfall" | A |
| Bureau of Reclamation | R |
| Hydrometeorological Branch | H |

The Corps of Engineers storm assignment number for "Storm Rainfall" is given for ease of identification. The latitude and longitude of the storm center or greatest station rainfall concludes the table.

There are some storms that extend over a very large area and have two or more distinct isohyetal centers. For some such cases in "Storm Rainfall," separate D-A-D values have been determined for each distinct center, as well as a D-A-D array of values for the total isohyetal pattern. If two or more of the distinct storm centers are located in the same section, then the D-A-D values for the total isohyetal pattern is the only one considered.

LIMITATIONS OF PRESENTED DATA

The mapped depths are the greatest known to us at the present time (January 1976). A preprint of this report circulated to various government agencies early in 1975 uncovered several dozen additional depths that have been included.

Inspection of the maps shows no analyzed storms for certain sections, seasons, area sizes, and durations for many maps. Fewer than five storm values are available for many sections. Transposition of storms in the relatively flat eastern two-thirds of the States compensates for sparse storm data in many studies; however, there are yet many regions where storm analyses are desired and should be made. In some regions, particularly where fewer than five storms are available, the smallest value shown for a particular duration or area may have been exceeded by some storm not analyzed. This may be especially true if there is a significant difference between the smallest storm value and the next larger. This results partly from inclusion in the data set of values for all durations and areas for a storm even though it may have been significant only for some durations and areas.

The arbitrary gridding of the United States with 40 sections by latitude, longitude, and political lines does not give representative storm depths by climatological divisions, similar terrain features, or any other geographical regioning such as river drainages, etc. Thus, especially for the western States, the mapped values cannot be enveloped for an indication of rainfall potential for a drainage or area. For a record of greatest storm depths for a drainage, one should go to the tables to identify the storms centered in the drainage of concern, if any, and survey the storms in adjoining sections which may have rainfalls extending into the drainage.

A translucent overlay is included that will allow easy identification of sections and State boundaries.

The 40 sections have nothing to do with the transposability of storm amounts. This has not been studied in a general way. Depending on the reasons for making transpositions, the distance and direction of transposition varies. In studies giving estimates of the most extreme rainfalls that nature can produce, we have considered transposition for some of the storms. For that purpose some storms can be transposed across several states, while others are intimately associated with the underlying terrain where they occur and cannot be transposed without detailed studies of terrain influences.

All storm depths are given in inches and the areas in mi^2 . To expedite this report, we did not convert these units to the metric system. However, the following table may be referred to if metric units are desired.

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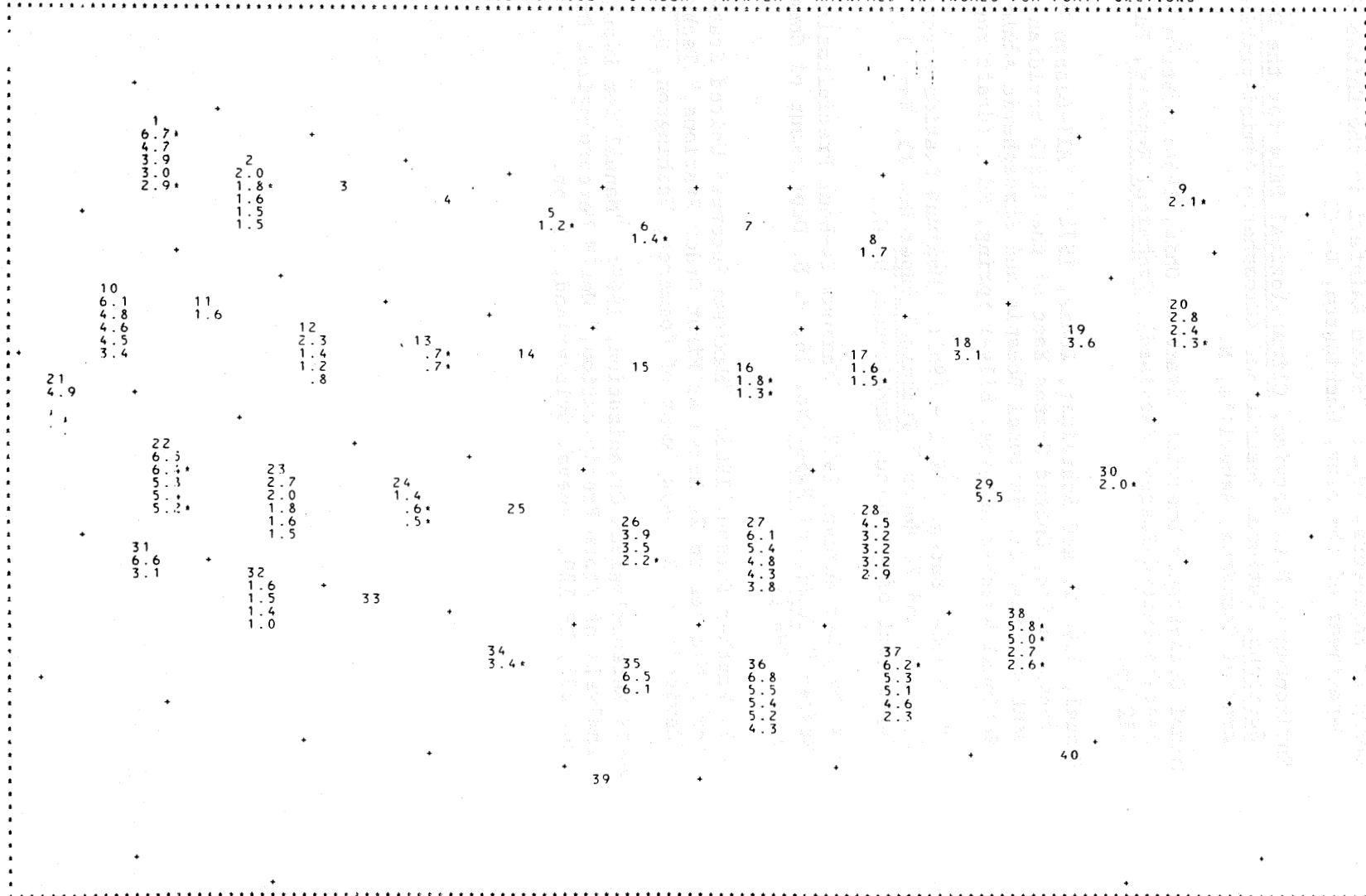
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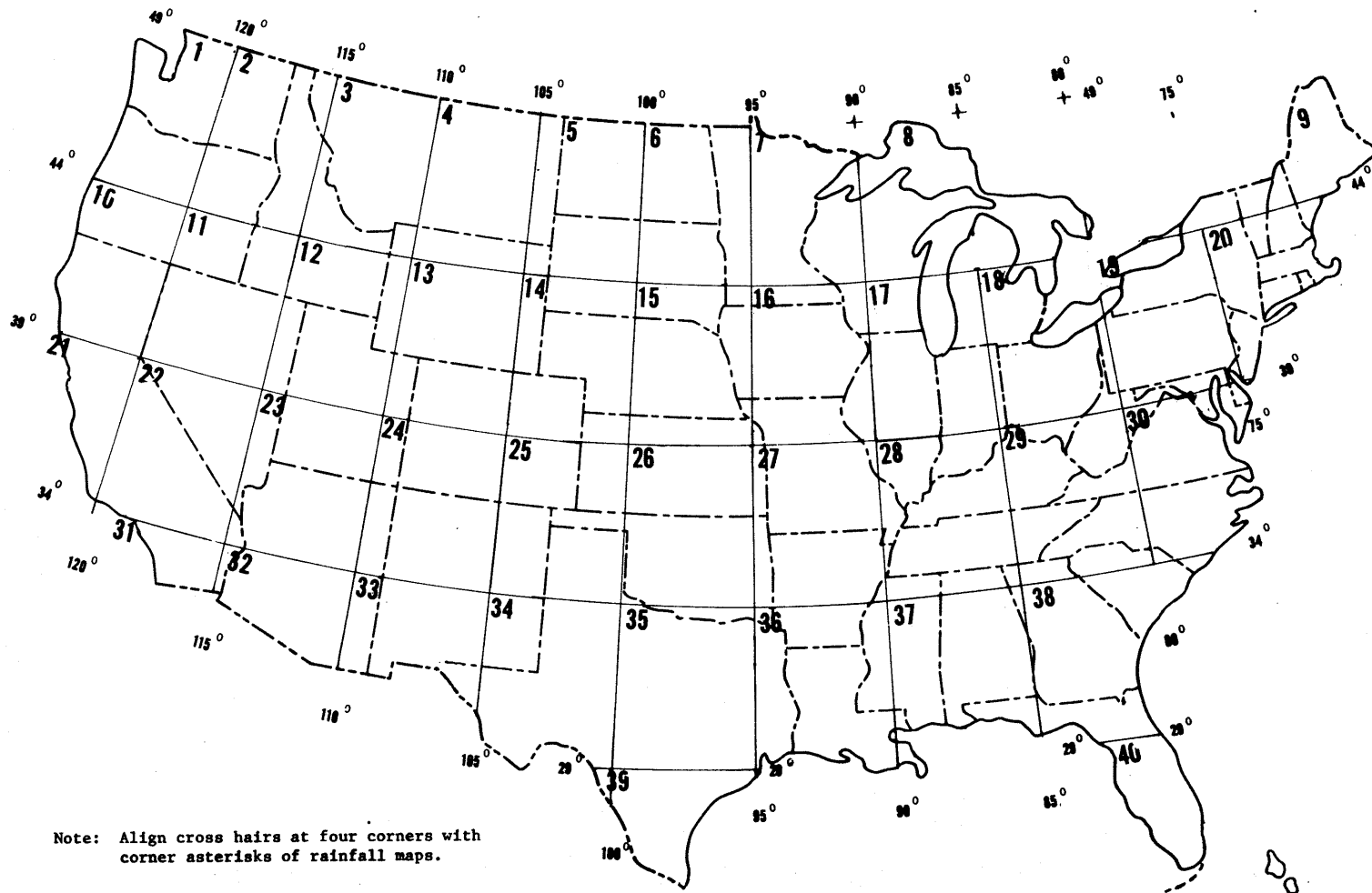
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World Meteorological Organization, 1969: "Manual for Depth-Area-Duration Analysis of Storm Precipitation," World Meteorological Organization, No. 237, TP 129, Geneva, Switzerland, 114 pp.

FIVE GREATEST OBSERVED 100 SQUARE MILE- 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

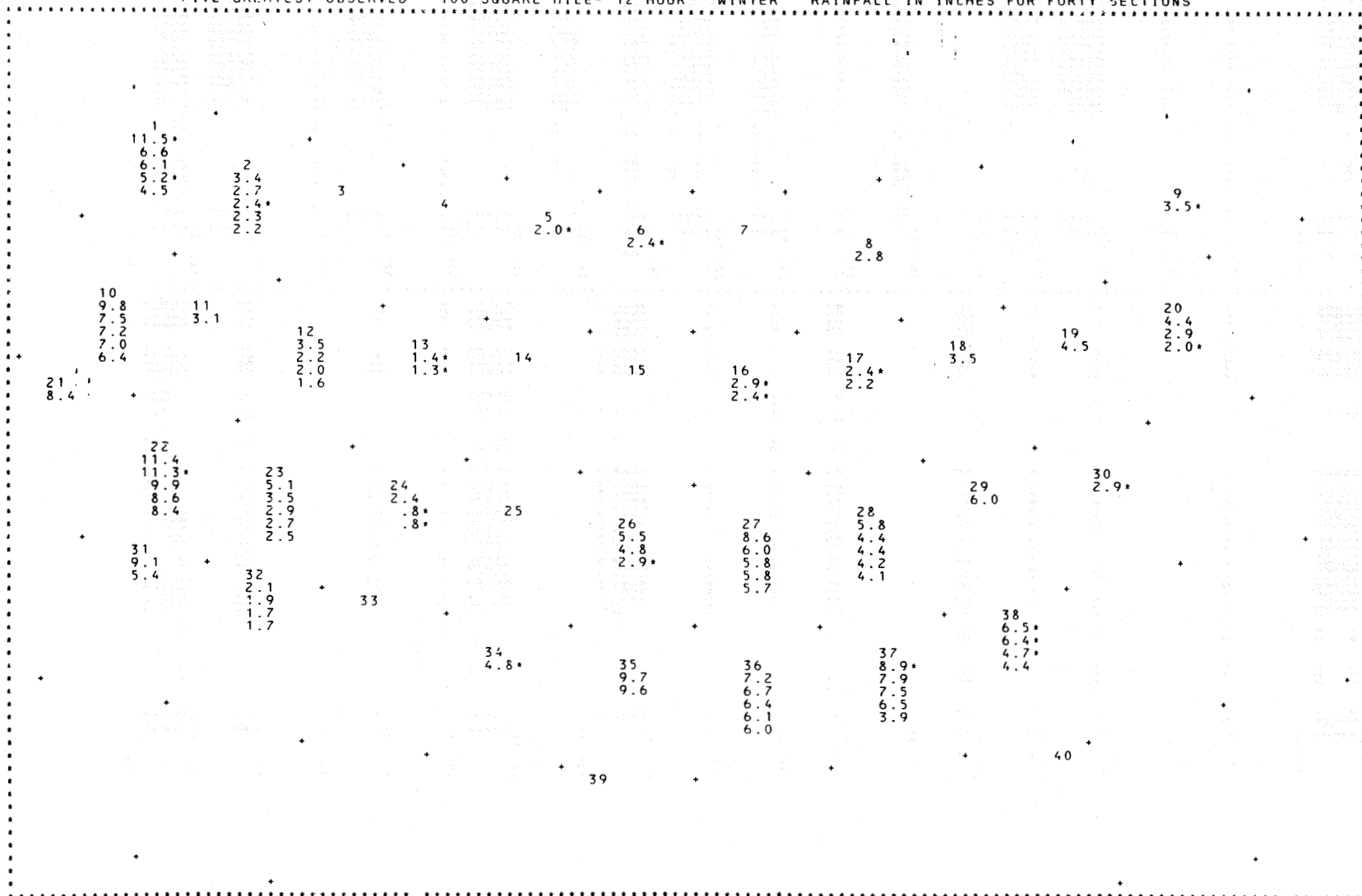


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.



Note: Align cross hairs at four corners with corner asterisks of rainfall maps.

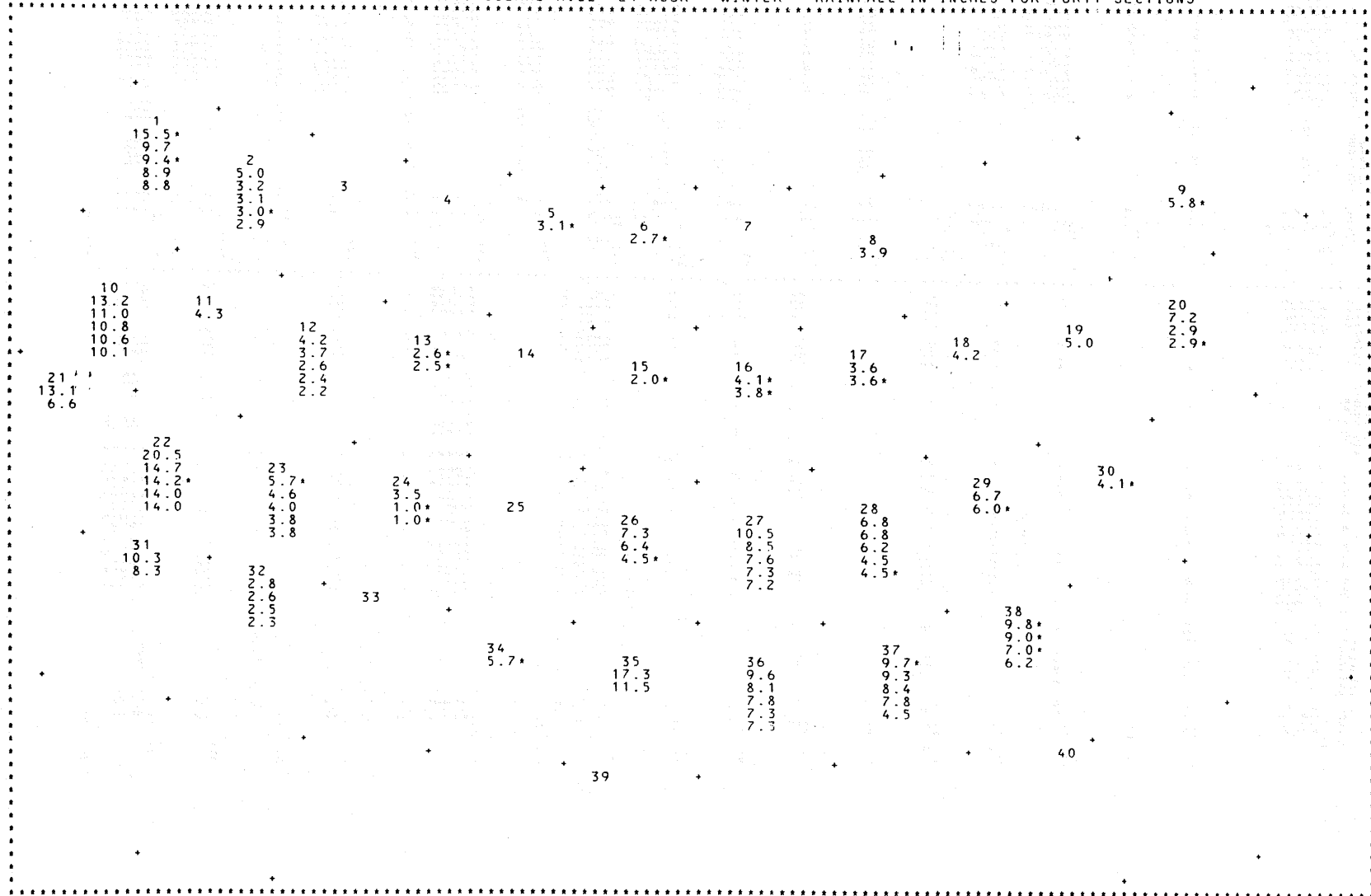
FIVE GREATEST OBSERVED 100 SQUARE MILE- 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|------------------|----------------------|-------------------------|-------------------|---------|------------------|----------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(10) | | | | | 2(8) | | | | |
| 11.5(| 500- 12) | 1/20/35-01/25/935 H | - | 4730 12330 | 4.4 | | 12/01/41-12/04/941 R | - | 4400 11500 |
| 6.6 | | 1/20/35-01/25/935 H | - | 4700 12200 | 2.7 | | 12/17/33-12/19/933 H | - | 4721 11540 |
| 6.1 | | 2/23/32-02/27/932 H | - | 4804 12134 | 2.4(| 200- 12) | 12/18/33-12/23/933 H | - | 4720 11535 |
| 5.2(| 237- 12) | 12/16/31-12/19/931 H | - | 4730 12330 | 2.2 | | 12/13/35-01/24/935 H | - | 4720 11540 |
| 4.5 | | 2/23/32-02/27/932 H | - | 4730 12330 | B 2.2 | | 12/23/31-12/29/931 R | - | 4415 11530 |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) | 1000- 12) | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) | 1000- 12) | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) | | 2/19/22-02/23/922 A | CL 4-17 | 4419 8417 |
| 9(1) | 3.5(1000- 12) | 12/25/69-12/28/969 H | - | 4416 7118 | 10(15) | | 12/29/13-01/03/914 R | - | 3953 12125 |
| 11(1) | | | | | | | 12/08/29-12/13/929 R | - | 4105 12110 |
| B 3.1 | | 2/07/07-02/05/907 R | - | 4140 11525 | | | 2/24/40-01/29/940 R | - | 3955 12125 |
| | | | | | | | 1/11/09-01/16/909 R | - | 3900 12025 |
| | | | | | | | 1/23/15-02/02/915 R | - | 4110 12025 |
| | | | | | 12(4) | | 2/23/17-02/25/917 R | - | 4350 11415 |
| | | | | | B 3.5 | | 1/20/43-01/23/943 R | - | 4350 11400 |
| | | | | | B 2.0 | | 2/01/36-02/03/936 H | - | 4036 11136 |
| | | | | | B 1.6 | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(2) | | | | | 14(0) | | | | |
| B 1.4(| 320- 12) | 12/03/13-12/06/913 R | - | 4042 10536 | | | | | |
| B 1.3(| 189- 12) | 12/03/13-12/06/913 R | - | 4002 10535 | | | | | |
| 15(0) | | | | | 16(2) | | 1/23/38-01/25/938 H | - | 4037 9004 |
| | | | | | 2.4(| 1000- 12) | 1/11/60-01/15/960 H | - | 4225 9026 |
| 17(2) | | | | | 18(1) | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 |
| 2.4(| 2000- 12) | 12/20/49-12/21/949 H | GL 2- 8 | 4027 8824 | 3.5 | | | | |
| 2.2 | | 12/16/95-12/21/895 A | | 4157 8538 | | | | | |
| 19(1) | | | | | 20(3) | | 12/29/48-01/01/949 H | - | 4240 7319 |
| 4.5 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 7716 | 4.4 | | 12/19/36-12/21/936 A | MA 1-30 | 4144 7134 |
| | | | | | 2.9 | | 12/28/42-12/31/942 H | - | 4250 7438 |
| | | | | | 2.0(| 1000- 12) | | | |
| 21(1) | | | | | 22(14) | | 1/19/43-01/24/943 H | - | 3413 11802 |
| 8.4 | | 12/09/37-12/12/937 H | - | 3851 12243 | 11.4 | | 2/26/38-03/04/938 H | - | 3414 11711 |
| | | | | | 11.3(| 200- 12) | 2/10/27-02/22/927 H | - | 3404 11650 |
| | | | | | 9.9 | | 12/29/33-01/01/934 H | - | 3413 11801 |
| | | | | | 8.6 | | 1/19/43-01/24/943 R | - | 3735 11925 |
| | | | | | 8.4 | | | | |
| 23(6) | | | | | 24(3) | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 3.1 | | 2/26/38-03/04/938 H | - | 3457 11144 | B 2.4 | | 1/15/16-01/20/916 R | - | 3410 10958 |
| 3.5 | | 2/04/37-02/08/937 H | - | 3458 11145 | B 0.8(| 8140- 12) | 1/20/43-01/24/943 R | - | 3845 10630 |
| 3.0 | | 2/10/27-02/22/927 H | - | 3419 11127 | B 0.8(| 440- 12) | | | |
| 2.9 | | 12/14/08-12/17/908 H | - | 3422 11125 | | | | | |
| 2.7 | | | | | | | | | |
| 2.5 | | 2/28/38-03/05/938 H | - | 3724 11230 | | | | | |
| 25(0) | | | | | 26(3) | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | 5.5 | | 2/14/38-02/19/938 A | SW 3-17 | 3456 9615 |
| | | | | | 4.8 | | 2/16/11-02/18/911 H | - | 3627 9923 |
| | | | | | 2.9(| 1000- 12) | | | |
| 27(11) | | | | | 28(7) | | 12/04/24-12/08/924 A | DR 4-18 | 3713 8615 |
| 8.6 | | 1/22/49-01/27/949 A | SH 3-10 | 3552 9219 | 5.8 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 |
| 6.0 | | 12/16/95-12/20/895 A | HR 1- 1 | 3728 9247 | 4.4 | | 1/27/57-02/02/957 H | - | 3529 8627 |
| 5.9 | | 1/01/07-01/03/907 A | LNV 1- 5 | 3422 9249 | 4.2 | | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 8950 |
| 5.8 | | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 9200 | 4.1 | | 12/27/22-12/27/922 A | UMV 3-10 | 3600 8835 |
| 5.7 | | 1/26/16-01/31/916 A | HR 2-13 | 3737 9038 | | | | | |
| 29(1) | | | | | 30(1) | | 2/03/20-02/06/920 H | - | 3701 7639 |
| 6.0 | | 2/23/75-02/25/875 H | - | 3533 8330 | 2.9(| 2000- 12) | | | |
| 31(2) | | | | | 32(4) | | 12/17/14-12/24/914 H | - | 3323 11100 |
| 9.1 | | 2/04/37-02/08/937 H | - | 3300 11635 | 2.1 | | 1/14/16-01/20/916 H | - | 3355 11120 |
| 5.4 | | 1/24/16-01/28/916 H | - | 3310 11641 | 1.9 | | 2/01/05-02/07/905 H | - | 3321 11101 |
| | | | | | 1.7 | | 12/01/06-12/04/906 H | - | 3134 11019 |
| | | | | | 1.7 | | | | |
| 33(0) | | | | | 34(1) | | 12/08/11-12/10/911 H | - | 3117 10038 |
| | | | | | 4.8(| 1000- 12) | | | |
| 35(2) | | | | | 36(9) | | 2/11/27-02/14/927 A | LNV 4- 0 | 3052 9100 |
| 9.7 | | 12/01/13-12/05/913 A | GM 3-25 | 2952 9757 | 7.2 | | 12/08/99-12/11/899 A | LNV 2- 4 | 3158 9059 |
| 9.6 | | 12/05/35-12/08/935 A | GM 5- 4 | 2954 9537 | 6.7 | | 2/28/27-03/01/927 A | LNV 4- 7 | 3045 9049 |
| | | | | | 6.4 | | 2/27/34-03/04/934 A | LNV 4-10 | 3050 9316 |
| | | | | | 6.0 | | 12/23/04-12/27/904 A | LNV 3-10 | 3220 9252 |
| 37(5) | | | | | 38(4) | | 12/03/64-12/05/964 H | - | 3107 8325 |
| 8.9(| 1000- 12) | 12/27/42-12/30/942 H | - | 3351 8620 | 6.5(| 1000- 12) | 1/31/20-02/02/920 H | - | 2951 8120 |
| 7.9 | | 1/16/43-01/19/943 A | SA 3-24 | 3121 8632 | 6.4(| 1000- 12) | 12/23/41-12/24/941 H | - | 3212 8329 |
| 7.5 | | 2/06/19-12/10/919 A | GM 1-22 | 3225 8702 | 4.7(| 2000- 12) | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8625 |
| 6.5 | | 2/07/36-02/05/936 H | - | 3221 8840 | 6.1 | | | | |
| 3.9 | | 2/08/32-12/14/932 A | GM 2-11 | 3246 8922 | 4.4 | | | | |
| 39(0) | | | | | 40(0) | | | | |

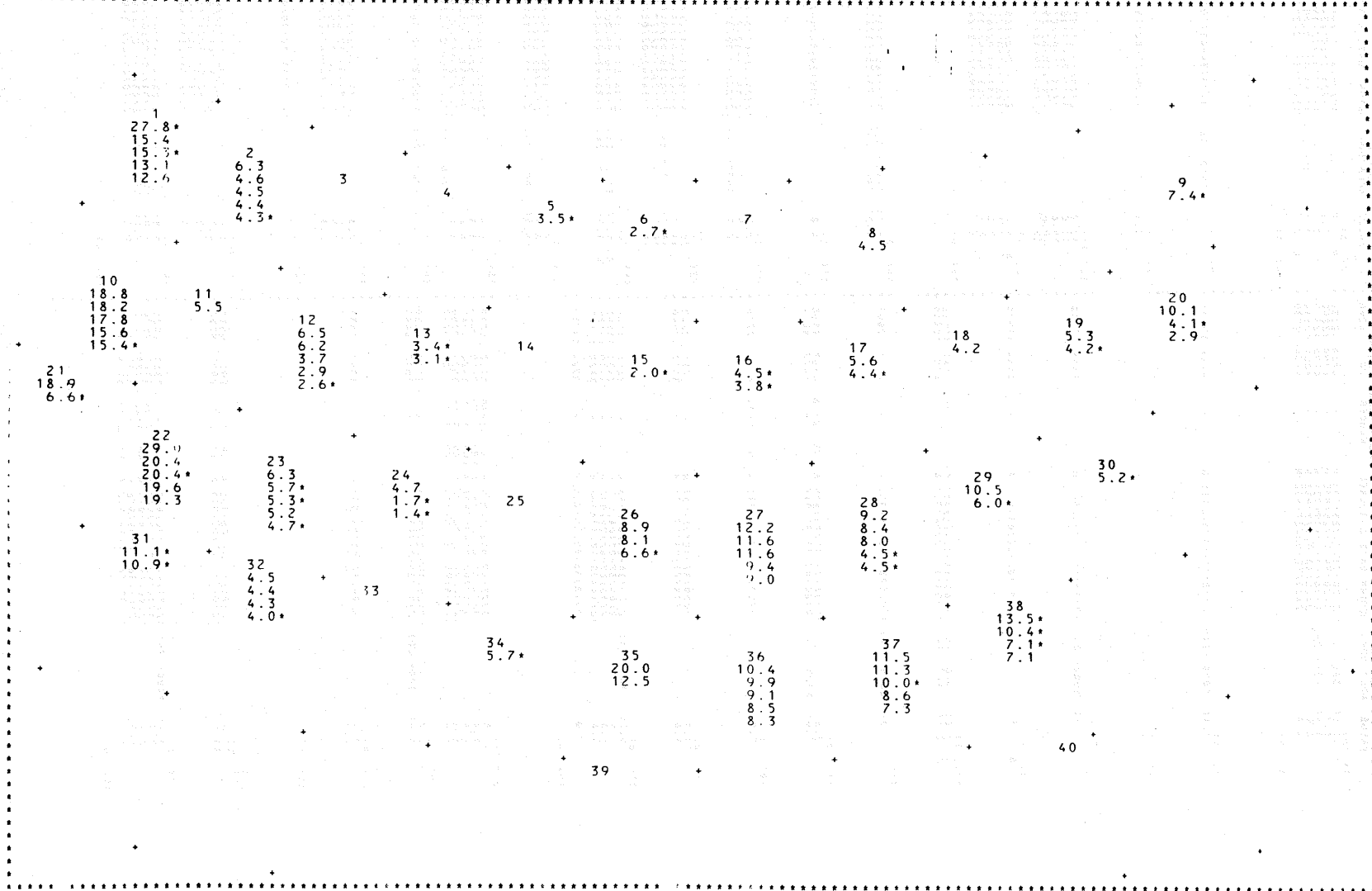
FIVE GREATEST OBSERVED 100 SQUARE MILE- 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|----------------------|----------------------|-------------------------------|----------------------|---------|----------------------|----------------------|-------------------------------|----------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(10) | | | | | 2(8) | | | | |
| 15.5(| 500- 24) | 1/20/35-01/23/933 H | - | 4730 12330 | B 5.0 | | 12/01/41-12/04/941 R | - | 4400 11500 |
| 9.7 | | 1/20/35-01/25/935 H | - | 4700 12200 | 3.2 | | 1/21/35-01/24/935 H | - | 4720 11540 |
| 9.4(| 237- 24) | 12/16/31-12/19/931 H | - | 4730 12330 | 3.1 | | 12/17/33-12/19/933 H | - | 4721 11540 |
| 8.9 | | 2/23/32-02/27/932 H | - | 4804 12134 | B 3.0(| 200- 24) | 12/18/33-12/23/933 H | - | 4729 11535 |
| 8.8 | | 2/23/32-02/27/932 H | - | 4730 12330 | B 2.9 | | 12/23/31-12/29/931 R | - | 4415 11530 |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) | | | | | 6(1) | | | | |
| 3.1(| 1000- 24) | 2/12/15-02/14/915 H | - | 4442 10004 | 2.7(| 1000- 18) | 1/09/39-01/10/939 H | - | 4429 9837 |
| 7(0) | | | | | 8(1) | | | | |
| | | | | | 3.9 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 |
| 9(1) | | | | | 10(15) | | | | |
| 5.8(| 1000- 24) | 12/25/69-12/28/969 H | - | 4416 7118 | 13.2 | | 12/29/13-01/03/914 R | - | 3955 12123 |
| | | | | | 11.0 | | 1/11/09-01/16/909 R | - | 3900 12023 |
| | | | | | 10.8 | | 1/23/15-02/02/915 R | - | 4110 12200 |
| | | | | | 10.6 | | 2/24/40-02/29/940 R | - | 3955 12125 |
| | | | | | 10.1 | | 12/08/29-12/13/929 R | - | 4105 12210 |
| 11(1) | | | | | 12(5) | | | | |
| B 4.3 | | 2/01/07-02/05/907 R | - | 4140 11525 | B 4.2 | | 2/23/17-02/25/917 R | - | 4350 11415 |
| | | | | | B 3.7 | | 1/20/43-01/23/943 R | - | 4350 11400 |
| | | | | | 2.6 | | 1/31/63-02/01/963 H | - | 4019 11134 |
| | | | | | 2.4 | | 2/01/36-02/03/936 H | - | 4036 11136 |
| | | | | | 2.2 | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(2) | | | | | 14(0) | | | | |
| B 2.6(| 320- 24) | 12/03/13-12/06/913 R | - | 4042 10536 | | | | | |
| B 2.5(| 189- 24) | 12/03/13-12/06/913 R | - | 4002 10535 | | | | | |
| 15(1) | | | | | 16(2) | | | | |
| 2.0(| 2000- 24) | 12/30/31-12/30/931 H | - | 4133 9608 | 4.1(| 1000- 24) | 1/11/60-01/15/960 H | - | 4225 9026 |
| | | | | | 3.8(| 1000- 24) | 1/23/38-01/25/938 H | - | 4037 9004 |
| 17(2) | | | | | 18(1) | | | | |
| 3.6 | | 12/16/95-12/21/895 A | GL 2- 8 | 4157 8538 | 4.2 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 |
| 3.6(| 2000- 24) | 12/20/49-12/21/949 H | - | 4027 8824 | | | | | |
| 19(1) | | | | | 20(3) | | | | |
| 5.0 | | 2/02/83-02/18/883 A | DR 5-11 | 4142 7716 | 7.2 | | 12/29/48-01/01/949 H | - | 4240 7319 |
| | | | | | 2.9 | | 12/19/36-12/21/936 A | NA 1-30 | 4144 7134 |
| | | | | | 2.9(| 1000- 24) | 12/28/42-12/31/942 H | - | 4250 7438 |
| 21(2) | | | | | 22(14) | | | | |
| 13.1 | | 12/09/37-12/12/937 H | - | 3851 12243 | 20.5 | | 1/19/43-01/24/943 H | - | 3413 11802 |
| 6.6 | | 1/18/73-01/18/973 H | - | 3518 12040 | 14.7 | | 1/14/16-01/19/916 H | - | 3415 11716 |
| | | | | | 14.2(| 200- 24) | 2/26/38-03/04/938 H | - | 3414 11711 |
| | | | | | 14.0 | | 12/11/25-12/27/921 H | - | 3415 11806 |
| | | | | | 14.0 | | 1/30/45-02/03/945 R | - | 3735 11930 |
| 23(6) | | | | | 24(3) | | | | |
| 5.7(| 100- 18) | 2/26/38-03/04/938 H | - | 3457 11144 | B 3.5 | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 4.6 | | 2/04/37-02/08/937 H | - | 3458 11145 | B 1.0(| 8140- 24) | 1/15/16-01/20/916 R | - | 3410 10958 |
| 4.0 | | 2/10/27-02/22/927 H | - | 3439 11127 | B 1.0(| 440- 24) | 1/20/43-01/24/943 R | - | 3845 10630 |
| 3.8 | | 12/14/08-12/17/908 H | - | 3422 11125 | | | | | |
| 3.8 | | 2/28/38-03/05/938 H | - | 3724 11230 | | | | | |
| 25(0) | | | | | 26(3) | | | | |
| | | | | | 7.3 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | 6.4 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 9615 |
| | | | | | 4.5(| 1000- 24) | 2/16/11-02/18/911 H | - | 3627 9923 |
| 27(11) | | | | | 28(7) | | | | |
| 10.5 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 9219 | 6.8 | | 12/04/24-12/08/924 A | DR 4-18 | 3713 8615 |
| 8.5 | | 1/18/35-01/21/935 A | LMV 1-19 | 3450 9000 | 6.8 | | 1/27/57-02/02/957 H | - | 3529 8627 |
| 7.6 | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 9249 | 6.2 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 |
| 7.3 | | 12/12/27-12/13/927 A | LMV 1-16 | 3529 9550 | 4.5 | | 12/27/22-12/27/922 A | UMV 3-10 | 3800 8855 |
| 7.2 | | 12/16/95-12/20/895 A | HR 1- 1 | 3728 9247 | 4.5(| 100- 18) | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 8950 |
| 29(2) | | | | | 30(1) | | | | |
| 6.7 | | 2/23/75-02/25/875 H | - | 3533 8330 | 4.1(| 2000- 24) | 2/03/20-02/06/920 H | - | 3701 7639 |
| 6.0(| 100- 20) | 2/02/39-02/03/939 H | - | 3612 8445 | | | | | |
| 31(2) | | | | | 32(4) | | | | |
| 10.3 | | 2/04/37-02/08/937 H | - | 3300 11635 | 2.8 | | 12/17/14-12/24/914 H | - | 3323 11100 |
| 8.3 | | 1/24/16-01/29/916 H | - | 3310 11641 | 2.6 | | 12/01/06-12/04/906 H | - | 3134 11019 |
| | | | | | 2.5 | | 1/14/16-01/20/916 H | - | 3355 11120 |
| | | | | | 2.3 | | 2/01/05-02/07/905 H | - | 3321 11101 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 5.7(| 1000- 24) | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) | | | | | 36(10) | | | | |
| 17.3 | | 12/05/35-12/08/935 A | GM 5- 4 | 2954 9537 | 9.6 | | 12/23/04-12/27/904 A | LMV 3-10 | 3220 9252 |
| 11.5 | | 12/01/13-12/05/913 A | GM 3-25 | 2952 9757 | 8.1 | | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 9100 |
| | | | | | 7.8 | | 12/08/99-12/11/899 A | LMV 2- 4 | 3158 9059 |
| | | | | | 7.8 | | 1/11/32-01/13/932 A | LMV 4-16 | 3152 9217 |
| | | | | | 7.3 | | 2/27/34-03/04/934 A | LMV 4-19 | 3050 9316 |
| 37(5) | | | | | 38(4) | | | | |
| 9.7(| 1000- 24) | 12/27/42-12/30/942 H | - | 3351 8620 | 9.8(| 1000- 24) | 12/03/64-12/05/964 H | - | 3107 8325 |
| 9.3 | | 1/15/43-01/19/943 A | SA 3-24 | 3121 8632 | 9.0(| 1000- 24) | 1/31/20-02/02/920 H | - | 2951 8120 |
| 8.4 | | 12/05/19-12/10/919 A | GM 1-22 | 3225 8702 | 7.0(| 2000- 24) | 12/23/41-12/24/941 H | - | 3212 8329 |
| 7.8 | | 2/01/36-02/05/936 H | - | 3221 8840 | 6.2 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 |
| 4.5 | | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | |
| 39(0) | | | | | 40(0) | | | | |

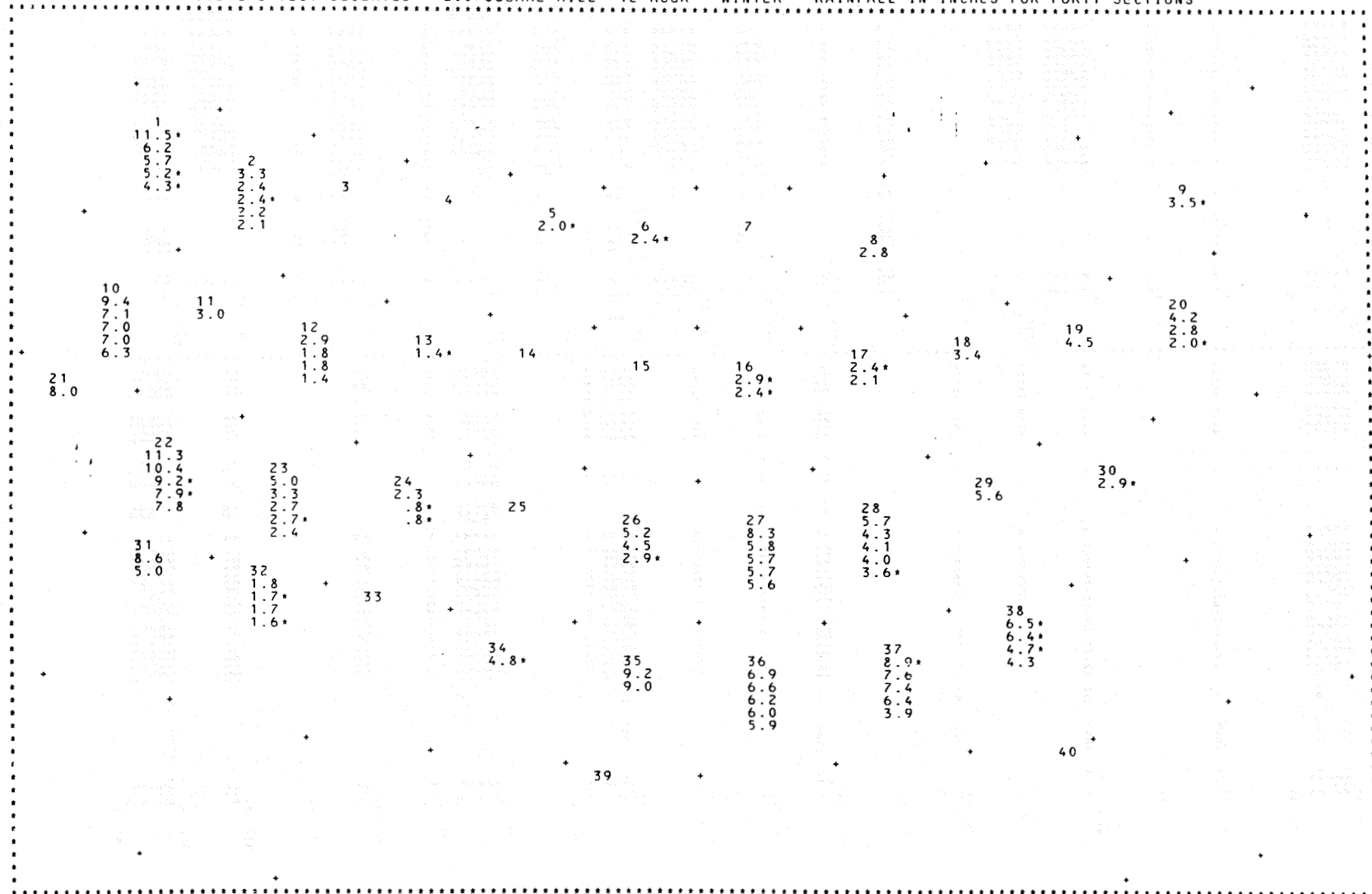
FIVE GREATEST OBSERVED 100 SQUARE MILE- 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|----------------------|----------------------|-------------------------------|-----------------|-------|-----------------|----------------------|----------------------|-------------------------------|-----------------|-------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(10) | | | | | | 2(8) | | | | | |
| 6.7 | 500- 6) | 1/20/35-01/25/935 H | - | 4730 | 12330 | 1.9 | | 12/01/41-12/04/941 R | - | 4400 | 11500 |
| 4.5 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | 1.8 | | 12/18/33-12/23/933 H | - | 4729 | 11535 |
| 3.7 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 1.5 | 250- 6) | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 2.9 | 237- 6) | 12/16/31-12/19/931 H | - | 4730 | 12330 | 1.4 | | 1/19/43-01/23/943 H | - | 4410 | 11540 |
| 2.7 | | 2/23/32-02/27/932 H | - | 4730 | 12330 | 1.4 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | 1.2(1000- 6) | 2/12/15-02/14/915 H | - | 4442 | 10004 | 6(1) | 1.4(1000- 6) | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 7(0) | | | | | | 8(1) | 1.7 | 2/19/22-02/23/922 A | GL 4-17 | 4419 | 8417 |
| 9(1) | 2.1(1000- 6) | 12/25/69-12/28/969 H | - | 4416 | 7118 | 10(15) | | | | | |
| | | | | | | 3.9 | | 12/29/13-01/03/914 R | - | 3955 | 12125 |
| | | | | | | 4.4 | | 1/11/09-01/16/909 R | - | 3900 | 12025 |
| | | | | | | 4.4 | | 2/24/40-02/29/940 R | - | 3955 | 12125 |
| | | | | | | 4.2 | | 12/08/29-12/13/929 R | - | 4105 | 12210 |
| | | | | | | 3.3 | | 1/23/15-02/02/915 R | - | 4110 | 12200 |
| 11(1) | | | | | | 12(4) | | | | | |
| B 1.5 | | 2/01/07-02/05/907 R | - | 4140 | 11525 | B 1.9 | | 2/23/17-02/25/917 R | - | 4350 | 11415 |
| | | | | | | B 1.2 | | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| | | | | | | B 1.0 | | 1/20/43-01/23/943 R | - | 4350 | 11400 |
| | | | | | | 0.7 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| 13(1) | | | | | | 14(0) | | | | | |
| B 0.7(320- 6) | | 12/03/13-12/06/913 R | - | 4042 | 10536 | 16(2) | | | | | |
| 15(0) | | | | | | 1.8(1000- 6) | | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| | | | | | | 1.3(1000- 6) | | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| 17(2) | | | | | | 18(1) | | | | | |
| 1.5 | | 12/16/95-12/21/895 A | GL 2- 8 | 4157 | 8538 | 3.0 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 | 8436 |
| 1.5(2000- 6) | | 12/20/49-12/21/949 H | - | 4027 | 8824 | 20(3) | | | | | |
| 19(1) | | | | | | 2.5 | | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| 3.6 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 | 7716 | 2.3 | | 12/19/36-12/21/936 A | NA 1-30 | 4144 | 7134 |
| | | | | | | 1.3(1000- 6) | | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| 21(1) | | | | | | 22(14) | | | | | |
| 4.7 | | 12/09/37-12/12/937 H | - | 3851 | 12243 | 6.4 | | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | 5.9 | | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | 5.3(300- 6) | | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | 5.2 | | 2/17/14-02/22/914 H | - | 3418 | 11807 |
| | | | | | | 5.0 | | 1/30/45-02/03/945 R | - | 3735 | 11930 |
| 23(6) | | | | | | 24(3) | | | | | |
| 2.7 | | 2/26/38-03/04/938 H | - | 3457 | 11144 | 1.4 | | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 1.9(300- 6) | | 2/10/27-02/22/927 H | - | 3419 | 11127 | B 0.6(8140- 6) | | 1/20/43-01/24/943 R | - | 3845 | 10630 |
| 1.7 | | 2/04/37-02/08/937 H | - | 3458 | 11145 | B 0.5(8140- 6) | | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| 1.5 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | 26(3) | | | | | |
| 1.4 | | 1/25/16-01/30/916 H | - | 3442 | 11214 | 3.5 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 | 9615 |
| 25(0) | | | | | | 3.4 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 | 9638 |
| | | | | | | 2.2(1000- 6) | | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | | | | | | 28(7) | | | | | |
| 5.9 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 | 9219 | 4.3 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 | 8615 |
| 5.3 | | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 | 9200 | 3.2 | | 12/27/22-12/27/922 A | UMV 3-10 | 3800 | 8855 |
| 4.5 | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 | 9249 | 3.1 | | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 | 8950 |
| 4.2 | | 12/26/42-12/28/942 A | UMV 3-22 | 3758 | 9133 | 3.1 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 | 8833 |
| 3.7 | | 12/16/95-12/20/895 A | MR 1- 1 | 3728 | 9247 | 2.8 | | 1/04/17-01/05/917 A | UMV 3- 3 | 3840 | 8752 |
| 29(1) | | | | | | 30(1) | | | | | |
| 5.1 | | 2/23/75-02/25/875 H | - | 3533 | 8330 | 2.0(2000- 6) | | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 31(2) | | | | | | 32(4) | | | | | |
| 6.0 | | 2/04/37-02/08/937 H | - | 3300 | 11635 | 1.4 | | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| 2.9 | | 1/24/16-01/29/916 H | - | 3310 | 11641 | 1.4 | | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | 1.2(500- 6) | | 12/17/16-12/24/914 H | - | 3323 | 11100 |
| | | | | | | 1.0(500- 6) | | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| 33(0) | | | | | | 34(1) | | | | | |
| | | | | | | 3.4(1000- 6) | | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | | | | | | 36(9) | | | | | |
| 6.0 | | 12/05/35-12/08/935 A | GM 5- 4 | 2954 | 9537 | 6.5 | | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 | 9100 |
| 5.6 | | 12/01/13-12/05/913 A | GM 3-25 | 2952 | 9757 | 5.5 | | 2/27/34-03/04/934 A | LMV 4-19 | 3050 | 9316 |
| | | | | | | 5.3 | | 12/08/99-12/11/899 A | LMV 2- 4 | 3158 | 9059 |
| | | | | | | 4.9 | | 2/28/27-03/01/927 A | LMV 4- 7 | 2945 | 9049 |
| | | | | | | 4.1 | | 1/11/32-01/13/932 A | LMV 4-16 | 3152 | 9217 |
| 37(5) | | | | | | 38(4) | | | | | |
| 6.2(1000- 6) | | 12/27/42-12/30/942 H | - | 3351 | 8620 | 5.8(1000- 6) | | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 5.2 | | 2/01/36-02/05/936 H | - | 3221 | 8840 | 5.0(1000- 6) | | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 4.8 | | 12/06/19-12/10/919 A | GM 1-22 | 3225 | 8702 | 2.6(2000- 6) | | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 4.3 | | 1/16/43-01/19/943 A | SA 3-24 | 3121 | 8632 | 2.6 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 | 8425 |
| 2.2 | | 12/08/32-12/14/932 A | GM 2-11 | 3246 | 8922 | 40(0) | | | | | |

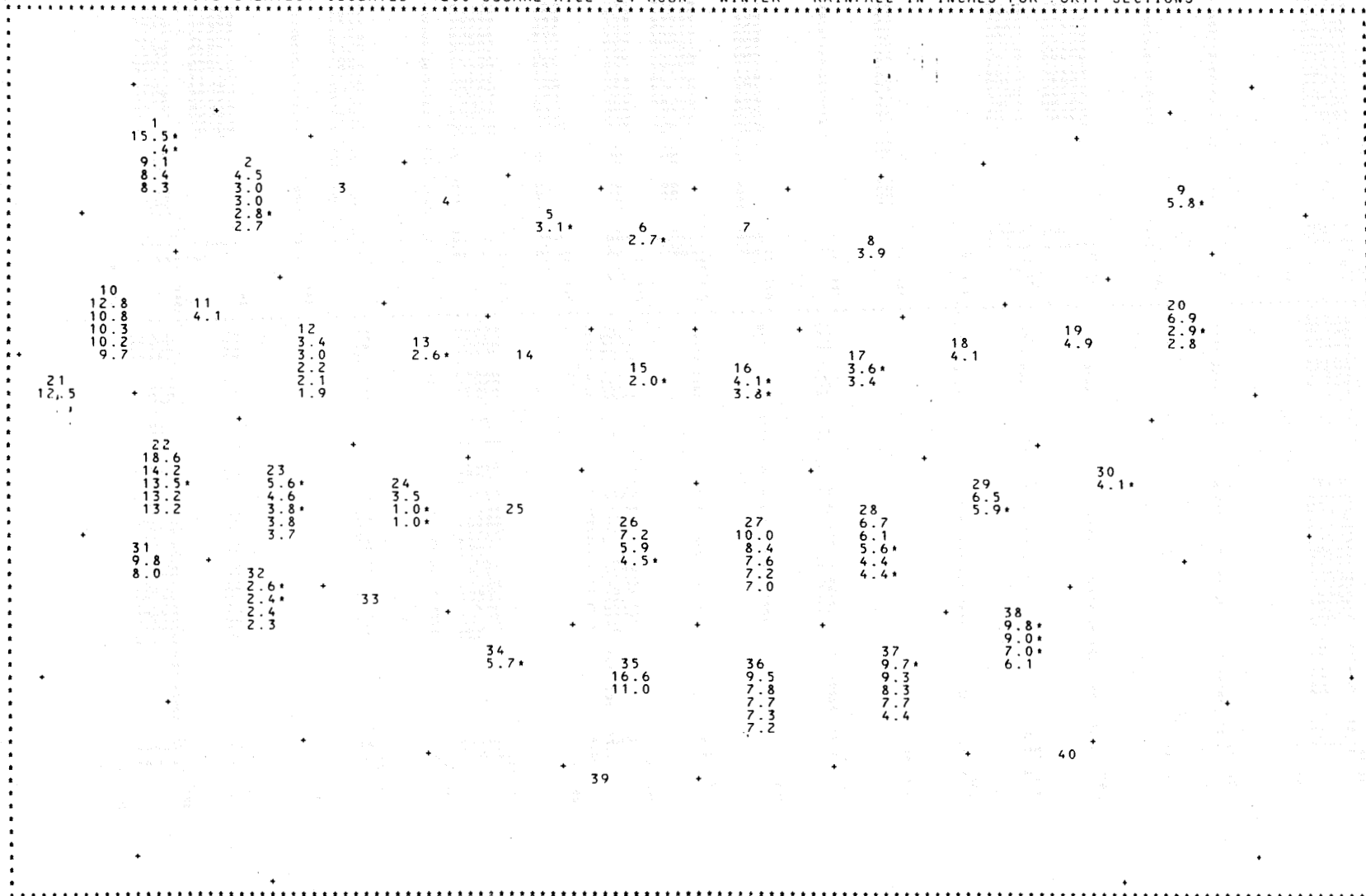
FIVE GREATEST OBSERVED 200 SQUARE MILE- 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| SUMMARY IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|----------------------|----------------------|-------------------------------|----------------------|------------|----------------------|----------------------|-------------------------------|----------------------|-----------|------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | | |
| 1(10) | | | | | 2(8) | | | | | | |
| 11.3(| 500- 12) | 1/20/35-01/25/935 H | - | 4730 12330 | B 3.3 | | 12/01/41-12/04/941 R | - | 4400 11500 | | |
| 8.2 | | 1/20/35-01/25/935 H | - | 4700 12200 | 2.4(| 250- 12) | 12/18/33-12/23/933 H | - | 4729 11555 | | |
| 5.7 | | 2/23/32-02/27/932 H | - | 4804 12134 | 2.2 | | 12/17/35-12/19/935 H | - | 4721 11540 | | |
| 5.2(| 237- 12) | 12/16/31-12/19/931 H | - | 4730 12330 | B 2.1 | | 1/21/35-01/24/935 H | - | 4750 11520 | | |
| 4.3(| 500- 12) | 12/08/21-12/13/921 H | - | 4804 12134 | | | 12/23/31-12/29/931 R | - | 4415 11530 | | |
| 3(0) | | | | | 4(0) | | | | | | |
| 5(1) | 2.0(| 1000- 12) | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) | 2.4(| 1000- 12) | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) | 2.8 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 | |
| 9(1) | 3.5(| 1000- 12) | 12/25/69-12/28/969 H | - | 4416 7118 | 10(15) | 9.4 | | 12/29/13-01/03/914 R | - | 3955 12125 |
| | | | | | | | 7.1 | | 12/08/29-12/13/929 R | - | 4105 12210 |
| | | | | | | | 7.0 | | 1/11/09-01/16/909 R | - | 3900 12025 |
| | | | | | | | 7.0 | | 2/24/40-02/29/940 R | - | 3955 12125 |
| | | | | | | | 6.3 | | 1/23/15-02/02/915 R | - | 4110 12200 |
| 11(1) | B 3.0 | | 2/01/07-02/05/907 R | - | 4140 11525 | 12(4) | B 2.9 | | 2/23/17-02/25/917 R | - | 4350 11415 |
| | | | | | | | B 1.8 | | 1/20/43-01/33/943 R | - | 4350 11400 |
| | | | | | | | B 1.8 | | 2/01/36-02/03/936 H | - | 4036 11136 |
| | | | | | | | 1.4 | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(1) | B 1.4(| 320- 12) | 12/03/13-12/06/913 R | - | 4042 10536 | 14(0) | | | | | |
| 15(0) | | | | | | 16(2) | 2.9(| 1000- 12) | 1/23/38-01/25/938 H | - | 4037 9004 |
| | | | | | | | 2.4(| 1000- 12) | 1/11/60-01/13/960 H | - | 4225 9026 |
| 17(2) | 2.4(| 2000- 12) | 12/20/49-12/21/949 H | GL 2- 8 | 4027 8824 | 18(1) | 3.4 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 |
| 2.1 | | | 12/16/95-12/21/895 A | | 4157 8538 | | | | | | |
| 19(1) | 4.5 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 7716 | 20(3) | 4.2 | | 12/29/48-01/01/949 H | - | 4240 7319 |
| | | | | | | | 2.8 | | 12/19/36-12/21/936 A | WA 1-30 | 4144 7134 |
| | | | | | | | 2.0(| 1000- 12) | 12/28/42-12/31/942 H | - | 4250 7438 |
| 21(1) | 8.0 | | 12/09/37-12/12/937 H | - | 3851 12243 | 22(14) | 11.3 | | 2/26/38-03/04/938 H | - | 3414 11711 |
| | | | | | | | 10.4 | | 1/19/43-01/24/943 H | - | 3413 11802 |
| | | | | | | | 9.2(| 300- 12) | 2/10/27-02/22/927 H | - | 3404 11650 |
| | | | | | | | 7.9(| 250- 12) | 12/29/33-01/01/934 H | - | 3413 11801 |
| | | | | | | | 7.8 | | 1/19/43-01/24/943 H | - | 3735 11923 |
| 23(6) | 5.0 | | 2/26/38-03/04/938 H | - | 3457 11144 | 24(3) | B 2.3 | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 3.3 | | | 2/04/37-02/08/937 H | - | 3458 11145 | | B 0.8(| 8140- 12) | 1/15/16-01/20/916 R | - | 3410 10958 |
| 2.7 | | | 12/14/08-12/17/908 H | - | 3422 11125 | | B 0.8(| 440- 12) | 1/20/43-01/24/943 R | - | 3845 10630 |
| 2.4 | 300- 12) | | 2/10/27-02/22/927 H | - | 3419 11127 | | | | | | |
| | | | 2/28/38-03/05/938 H | - | 3724 11230 | | | | | | |
| 25(0) | | | | | | 26(3) | 5.2 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | | | 4.5 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 9615 |
| | | | | | | | 2.9(| 1000- 12) | 2/16/11-02/18/911 H | - | 3627 9923 |
| 27(11) | 8.3 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 9219 | 28(7) | 5.7 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 8615 |
| 5.8 | | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 9249 | | 4.3 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 |
| 5.7 | | | 12/16/95-12/20/895 A | MR 1- 1 | 3728 9247 | | 4.1 | | 12/07/16-12/08/916 A | URV 3- 9 | 3754 8950 |
| 5.7 | | | 12/31/96-01/03/897 A | URV 2- 1 | 3412 9200 | | 4.0 | | 12/27/22-12/27/922 A | URV 3-10 | 3800 8855 |
| 5.6 | | | 12/26/42-12/28/942 A | URV 3-22 | 3738 9133 | | 3.6(| 500- 12) | 1/27/57-02/02/957 H | - | 3529 8627 |
| 29(1) | 5.6 | | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) | 2.9(| 2000- 12) | 2/03/20-02/06/920 H | - | 3701 7639 |
| 31(2) | 8.6 | | 2/04/37-02/08/937 H | - | 3300 11635 | 32(4) | 1.8 | | 1/14/16-01/20/916 H | - | 3355 11120 |
| 5.0 | | | 1/24/16-01/29/916 H | - | 3310 11641 | | 1.7(| 500- 12) | 12/17/14-12/25/914 H | - | 3323 11100 |
| | | | | | | | 1.7 | | 2/01/05-02/07/905 H | - | 3321 11101 |
| | | | | | | | 1.6(| 500- 12) | 12/01/06-12/04/906 H | - | 3134 11019 |
| 33(0) | | | | | | 34(1) | 4.8(| 1000- 12) | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) | 9.2 | | 12/01/13-12/05/913 A | GM 3-25 | 2952 9757 | 36(9) | 6.9 | | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 9100 |
| 9.0 | | | 12/05/35-12/08/935 A | GM 5- 4 | 2954 9537 | | 6.6 | | 12/08/99-12/11/899 A | LMV 2- 4 | 3158 9059 |
| | | | | | | | 6.2 | | 2/28/27-03/01/927 A | LMV 4- 7 | 2945 9049 |
| | | | | | | | 6.0 | | 2/27/34-03/04/934 A | LMV 4-19 | 3050 9316 |
| | | | | | | | 5.9 | | 12/23/04-12/27/904 A | LMV 3-10 | 3220 9252 |
| 37(5) | 8.9(| 1000- 12) | 12/27/42-12/30/942 H | - | 3351 8620 | 38(4) | 6.5(| 1000- 12) | 12/03/64-12/05/964 H | - | 3107 8325 |
| 7.6 | | | 1/16/43-01/19/943 A | SA 3-24 | 3121 8632 | | 6.4(| 1000- 12) | 1/31/20-02/02/920 H | - | 2951 8120 |
| 7.4 | | | 12/06/19-12/10/919 A | GM 1-22 | 3225 8702 | | 4.7(| 2000- 12) | 12/23/41-12/24/941 H | - | 3212 8329 |
| 6.4 | | | 2/01/36-02/03/936 H | - | 3221 8840 | | 4.3 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 |
| 3.9 | | | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | | |
| 39(0) | | | | | | 40(0) | | | | | |

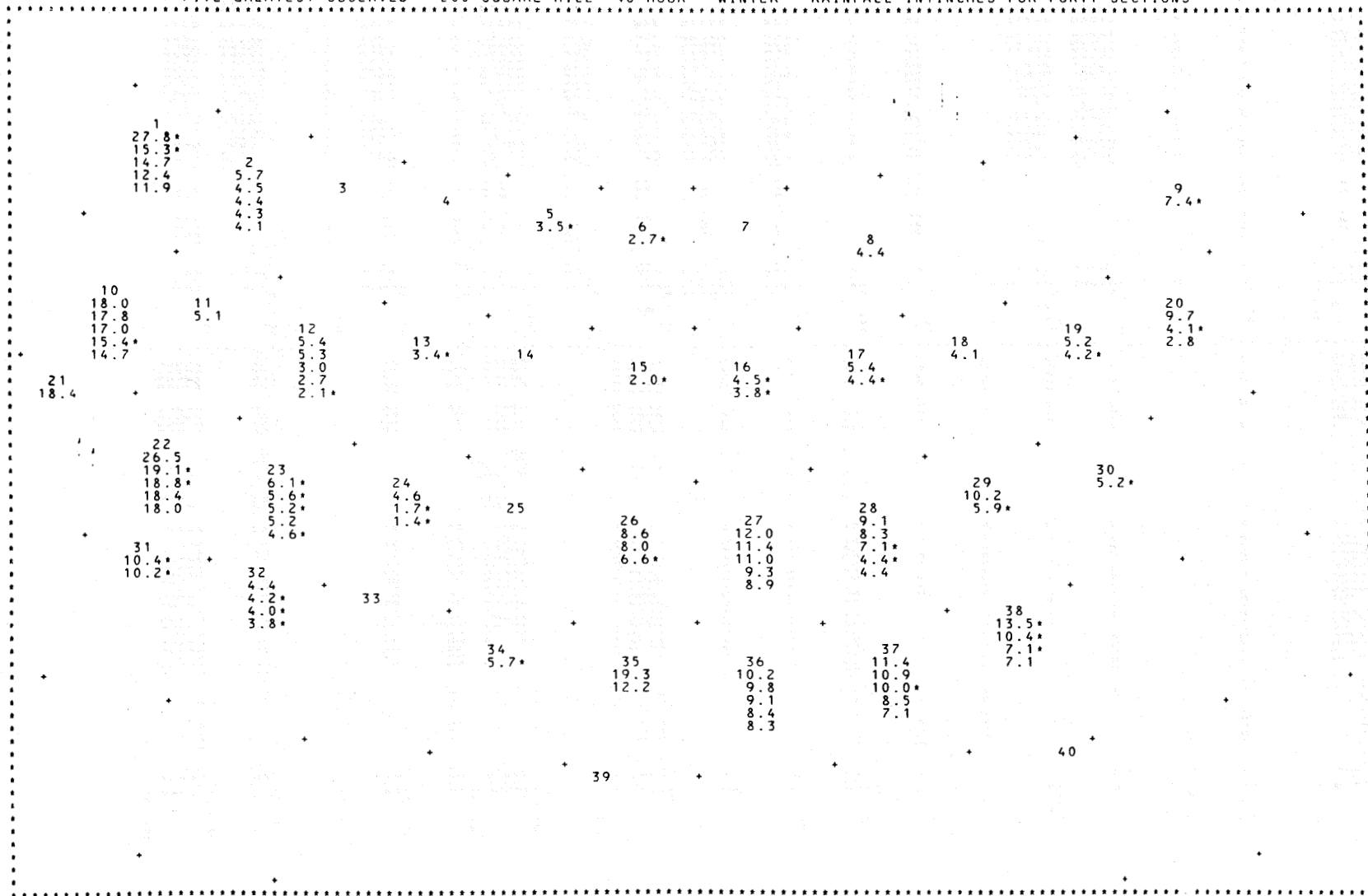
FIVE GREATEST OBSERVED 200 SQUARE MILE- 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 24 HOUR WINTER RAINFALL IN INCHES FOR EACH SECTION | | | | | | | | | |
|---|------------------|----------------------|-------------------------|-------------------|------------------|------------------|----------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 10(1) | | | | | 2(8) | | | | |
| 15.5(500- 24) | | 1/20/35-01/25/935 H | - | 4730 12330 | B 4.5 | | 12/01/41-12/04/941 R | - | 4400 11500 |
| 9.4(237- 24) | | 12/18/31-12/19/931 H | - | 4730 12330 | B 3.0 | | 12/18/33-12/23/933 H | - | 4720 11555 |
| 9.1 | | 1/20/35-01/25/935 H | - | 4700 12200 | 3.0 | | 1/21/35-01/24/935 H | - | 4720 11440 |
| 8.4 | | 2/23/32-02/27/932 H | - | 4804 12134 | B 2.8(250- 24) | | 12/17/35-12/19/935 H | - | 4731 11540 |
| 8.3 | | 2/23/32-02/27/932 H | - | 4730 12330 | B 2.7 | | 1/19/43-01/23/943 R | - | 4410 11540 |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) | | | | | 6(1) | | | | |
| 3.1(1000- 24) | | 2/12/15-02/14/915 H | - | 4442 10004 | 2.7(1000- 18) | | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) | | | | |
| | | | | | 3.9 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 |
| 9(1) | | | | | 10(15) | | | | |
| 5.8(1000- 24) | | 12/25/69-12/28/969 H | - | 4416 7118 | 12.8 | | 12/29/13-01/03/914 R | - | 3955 12123 |
| | | | | | 10.8 | | 1/11/09-01/16/909 R | - | 3900 12025 |
| | | | | | 10.3 | | 1/23/15-02/02/915 R | - | 4110 12200 |
| | | | | | 2.2 | | 2/24/40-02/29/940 R | - | 3955 12123 |
| | | | | | 9.7 | | 12/08/29-12/13/929 R | - | 4105 12210 |
| 11(1) | | | | | 12(5) | | | | |
| B 4.1 | | 2/01/07-02/05/907 R | - | 4140 11525 | B 3.4 | | 2/23/17-02/25/917 R | - | 4350 11413 |
| | | | | | B 3.0 | | 1/20/43-01/23/943 R | - | 4350 11400 |
| | | | | | 2.1 | | 2/01/36-02/03/936 H | - | 4036 11136 |
| | | | | | 1.9 | | 1/31/63-02/01/963 H | - | 4019 11134 |
| | | | | | | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(1) | | | | | 14(0) | | | | |
| B 2.6(320- 24) | | 12/03/13-12/06/913 R | - | 4042 10536 | | | | | |
| 15(1) | | | | | 16(2) | | | | |
| 2.0(2000- 24) | | 12/30/31-12/30/931 H | - | 4133 9608 | 4.1(1000- 24) | | 1/11/60-01/13/960 H | - | 4225 9026 |
| | | | | | 3.8(1000- 24) | | 1/23/38-01/25/938 H | - | 4037 9004 |
| 17(2) | | | | | 18(1) | | | | |
| 3.6(2000- 24) | | 12/20/49-12/21/949 H | GL 2- 8 | 4027 8824 | 4.1 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 |
| 3.4 | | 12/16/95-12/21/895 A | | 4157 8538 | | | | | |
| 19(1) | | | | | 20(3) | | | | |
| 4.9 | | 2/02/83-02/18/883 A | DR 5-11 | 4142 7716 | 6.9 | | 12/29/48-01/01/949 H | - | 4240 7319 |
| | | | | | 2.9(1000- 24) | | 2/26/38-02/31/942 H | - | 4250 7438 |
| | | | | | 2.8 | | 12/19/36-12/21/936 A | WA 1-30 | 4144 7134 |
| 21(1) | | | | | 22(14) | | | | |
| 12.5 | | 12/09/37-12/12/937 H | - | 3851 12243 | 18.6 | | 1/19/43-01/24/943 H | - | 3413 11802 |
| | | | | | 14.2 | | 2/26/38-03/04/938 H | - | 3414 11711 |
| | | | | | 13.5(300- 24) | | 2/10/27-02/22/927 H | - | 3404 11650 |
| | | | | | 13.2 | | 1/14/16-01/19/916 H | - | 3413 11716 |
| | | | | | 13.2 | | 1/30/45-02/03/945 R | - | 3735 11930 |
| 23(6) | | | | | 24(3) | | | | |
| 5.6(200- 18) | | 2/26/38-03/04/938 H | - | 3457 11144 | 3.5 | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 4.6 | | 2/04/37-02/08/937 H | - | 3458 11145 | B 1.0(8140- 24) | | 1/15/16-01/20/916 R | - | 3410 10958 |
| 3.8(300- 24) | | 2/22/37-02/22/927 H | - | 3419 11127 | B 1.0(440- 24) | | 1/20/43-01/24/943 R | - | 3845 10630 |
| 3.8 | | 2/28/38-03/05/938 H | - | 3724 11230 | | | | | |
| 3.7 | | 12/14/08-12/17/908 H | - | 3422 11125 | 26(3) | | | | |
| 25(0) | | | | | 7.2 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | 5.9 | | 2/14/38-02/19/938 H | SW 2-17 | 3436 9615 |
| | | | | | 4.5(1000- 24) | | 2/16/11-02/18/911 H | - | 3627 9923 |
| 27(11) | | | | | 28(7) | | | | |
| 10.0 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 9219 | 6.7 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 8615 |
| 8.4 | | 1/18/35-01/21/935 A | LHV 1-19 | 3450 9000 | 6.1 | | 1/05/37-01/23/937 A | OR 5- 6 | 3607 8833 |
| 7.6 | | 1/01/07-01/03/907 A | LHV 1- 5 | 3422 9249 | 5.6(500- 24) | | 1/22/37-02/02/937 H | - | 3559 8627 |
| 7.2 | | 12/12/27-12/13/927 A | LHV 1-16 | 3529 9350 | 4.4 | | 12/27/22-12/27/922 A | UMV 3-10 | 3800 8855 |
| 7.0 | | 12/16/95-12/20/895 A | HR 1- 1 | 3728 9247 | 4.4(200- 18) | | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 8950 |
| 29(2) | | | | | 30(1) | | | | |
| 6.5 | | 2/23/75-02/25/875 H | - | 3533 8330 | 4.1(2000- 24) | | 2/03/20-02/06/920 H | - | 3701 7639 |
| 5.9(200- 20) | | 2/02/39-02/03/939 H | - | 3612 8445 | | | | | |
| 31(2) | | | | | 32(4) | | | | |
| 9.8 | | 2/04/37-02/08/937 H | - | 3300 11635 | 2.6(500- 24) | | 12/17/14-12/24/914 H | - | 3323 11100 |
| 8.0 | | 1/24/16-01/29/916 H | - | 3310 11641 | 2.4(500- 24) | | 12/01/06-12/04/906 H | - | 3134 11019 |
| | | | | | 2.4 | | 1/14/16-01/20/916 H | - | 3355 11120 |
| | | | | | 2.3 | | 2/01/05-02/07/905 H | - | 3321 11101 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 5.7(1000- 24) | | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) | | | | | 36(10) | | | | |
| 16.6 | | 12/05/35-12/08/935 A | GM 5- 4 | 2954 9537 | 9.5 | | 12/23/06-12/27/904 A | LHV 3-10 | 3220 9252 |
| 11.0 | | 12/05/35-12/05/913 A | GM 3-25 | 2952 9757 | 7.8 | | 2/11/27-02/14/927 A | LHV 4- 6 | 3052 9100 |
| | | | | | 7.7 | | 12/08/99-12/11/899 A | LHV 2- 4 | 3158 9059 |
| | | | | | 7.3 | | 2/27/34-03/04/934 A | LHV 4-19 | 3050 9316 |
| | | | | | 7.2 | | 1/11/32-01/13/932 A | LHV 4-16 | 3152 9217 |
| 37(5) | | | | | 38(4) | | | | |
| 9.7(1000- 24) | | 12/27/42-12/30/942 H | - | 3351 8620 | 9.8(1000- 24) | | 12/03/64-12/05/964 H | - | 3107 8325 |
| 9.3 | | 1/16/43-01/19/943 A | SA 3-24 | 3121 8632 | 9.0(1000- 24) | | 1/31/20-02/02/920 H | - | 2951 8120 |
| 8.3 | | 12/06/19-12/10/919 A | GM 1-22 | 3225 8702 | 7.0(2000- 24) | | 12/23/41-12/24/941 H | - | 3212 8329 |
| 7.7 | | 2/01/36-02/05/936 H | - | 3221 8840 | 6.1 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 |
| 4.4 | | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | |
| 39(0) | | | | | 40(0) | | | | |

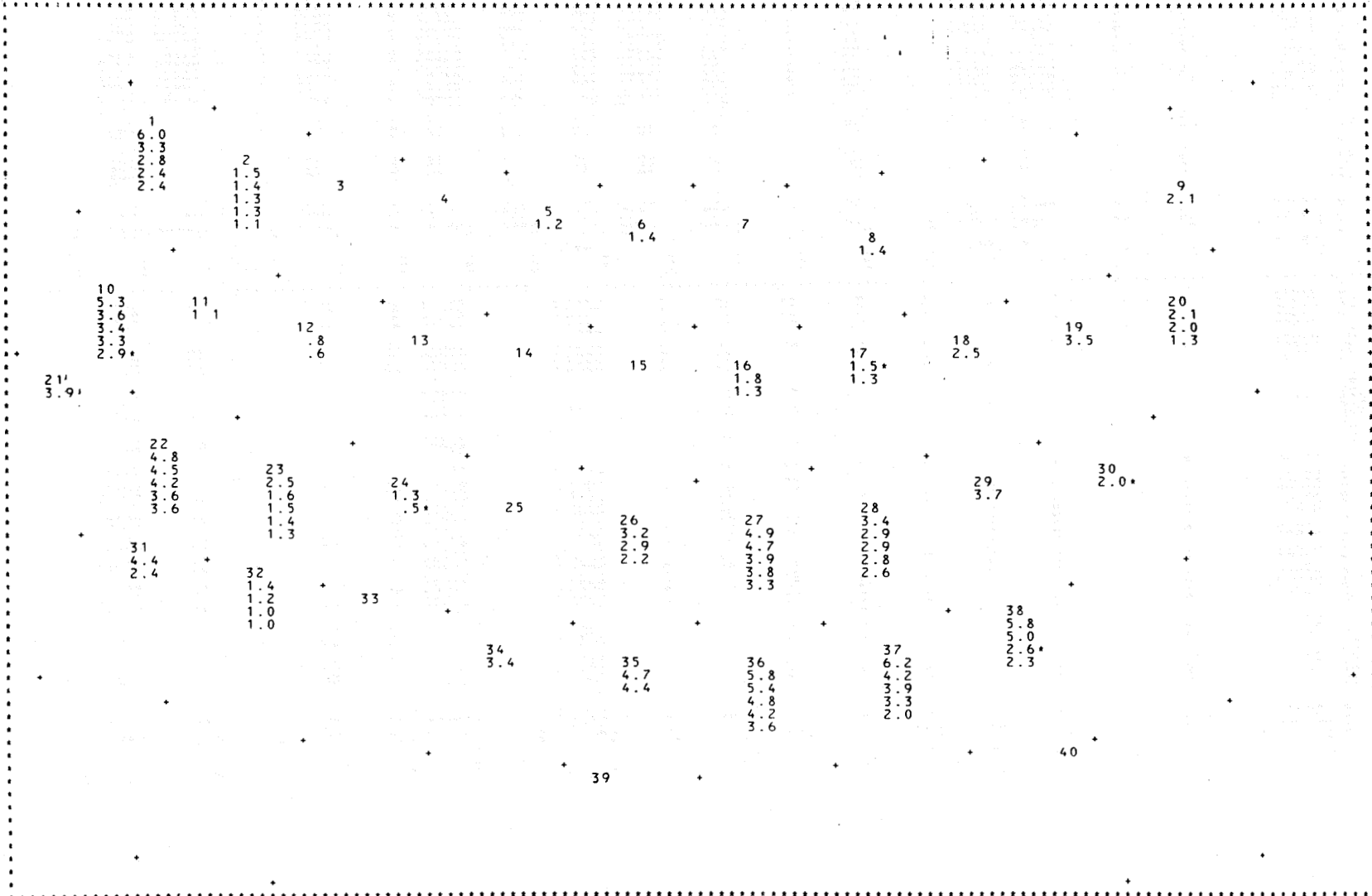
FIVE GREATEST OBSERVED 200 SQUARE MILE- 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|-------------------|----------------------|-------------------------|--------------|-------|---------|-------------------|----------------------|-------------------------|--------------|-------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(1) | | | | | | 2(8) | | | | | |
| 29.8 | 500- 48) | 1/20/35-01/25/935 H | - | 4730 | 12330 | B 5.7 | | 12/01/41-12/04/941 R | - | 4400 | 11500 |
| 15.3 | 237- 48) | 12/16/31-12/19/931 H | - | 4730 | 12330 | B 4.5 | | 1/19/43-01/23/943 R | - | 4410 | 11540 |
| 14.7 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | B 4.4 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 12.4 | | 2/23/32-02/27/932 H | - | 4730 | 12330 | B 4.3 | | 12/18/33-12/22/933 H | - | 4729 | 11530 |
| 11.9 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | B 4.1 | | 12/23/31-12/29/931 R | - | 4415 | 11530 |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | | | | | | 6(1) | | | | | |
| 3.5 | 1000- 48) | 2/12/15-02/14/915 H | - | 4442 | 10004 | 2.7 | 1000- 18) | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 7(0) | | | | | | 8(1) | | | | | |
| | | | | | | 4.4 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 | 8417 |
| 9(1) | | | | | | 10(15) | | | | | |
| 2.4 | 1000- 48) | 12/25/69-12/28/969 H | - | 4416 | 7118 | 18.0 | | 12/29/13-01/03/914 R | - | 3955 | 12125 |
| | | | | | | 17.8 | | 1/11/09-01/16/909 R | - | 3900 | 12025 |
| | | | | | | 17.0 | | 2/24/40-02/29/940 R | - | 3925 | 12125 |
| | | | | | | 14.7 | 1011- 48) | 12/09/37-12/12/937 H | - | 3945 | 12150 |
| | | | | | | B 5.4 | | 1/23/15-02/02/915 R | - | 4110 | 12200 |
| 11(1) | | | | | | B 5.3 | | | | | |
| B 5.1 | | 2/01/07-02/05/907 R | - | 4140 | 11525 | B 5.4 | | 1/20/43-01/23/943 R | - | 4350 | 11400 |
| | | | | | | B 5.3 | | 2/23/17-02/25/917 R | - | 4350 | 11415 |
| | | | | | | 3.0 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| | | | | | | 2.7 | | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| | | | | | | 2.1 | 200- 24) | 1/31/63-02/01/963 H | - | 4019 | 11134 |
| 13(1) | | | | | | 14(0) | | | | | |
| B 3.4 | 320- 48) | 12/03/13-12/06/913 R | - | 4042 | 10536 | | | | | | |
| 15(1) | | | | | | 16(2) | | | | | |
| 2.0 | 2000- 24) | 12/30/31-12/30/931 H | - | 4133 | 9608 | 4.5 | 1000- 48) | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| | | | | | | 3.8 | 1000- 30) | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| 17(2) | | | | | | 18(1) | | | | | |
| 5.4 | | 12/16/95-12/21/895 A | GL 2- 8 | 4157 | 8538 | 4.1 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 | 8436 |
| 4.4 | 2000- 36) | 12/20/49-12/21/949 H | - | 4027 | 8824 | | | | | | |
| 19(2) | | | | | | 20(3) | | | | | |
| 5.2 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 | 7716 | 9.7 | | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| 4.2 | 502- 36) | 1/11/15-01/13/915 H | - | 3947 | 7721 | 4.1 | 1000- 48) | 12/28/44-01/31/942 H | - | 4250 | 7438 |
| | | | | | | 2.8 | | 12/19/36-12/21/936 A | NA 1-30 | 4144 | 7134 |
| 21(1) | | | | | | 22(14) | | | | | |
| 18.4 | | 12/09/37-12/12/937 H | - | 3851 | 12243 | 26.5 | | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | 19.1 | 300- 48) | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | 18.8 | 200- 42) | 1/14/16-01/19/916 H | - | 3415 | 11716 |
| | | | | | | 18.4 | | 1/19/43-01/24/943 R | - | 3735 | 11925 |
| | | | | | | 18.0 | | 12/17/21-12/27/921 H | - | 3415 | 11806 |
| 23(6) | | | | | | 24(3) | | | | | |
| 6.1 | 300- 48) | 2/10/27-02/22/927 H | - | 3419 | 11127 | 4.6 | | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 5.6 | 200- 18) | 2/26/38-03/04/938 H | - | 3457 | 11144 | B 1.7 | 440- 48) | 1/20/43-01/24/943 R | - | 3845 | 10630 |
| 5.2 | 200- 42) | 2/04/37-02/08/937 H | - | 3458 | 11145 | B 1.4 | 8140- 48) | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| 5.2 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | | | | | | |
| 4.6 | 200- 42) | 1/25/16-01/30/916 H | - | 3442 | 11214 | 26(3) | | | | | |
| 25(0) | | | | | | 8.6 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 | 9615 |
| | | | | | | 8.0 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 | 9658 |
| | | | | | | 6.6 | 1000- 48) | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | | | | | | 28(7) | | | | | |
| 12.0 | | 1/18/35-01/21/935 A | LMV 1-19 | 3450 | 9000 | 9.1 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 | 8833 |
| 11.4 | | 12/16/95-12/20/895 A | HR 1- 1 | 3728 | 9247 | 8.3 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 | 8615 |
| 11.0 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 | 9219 | 7.1 | 500- 48) | 1/27/57-02/02/957 H | - | 3529 | 8627 |
| 9.3 | | 1/06/30-01/11/930 A | LMV 2-22 | 3407 | 9303 | 4.4 | 200- 18) | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 | 8950 |
| 8.9 | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 | 9249 | 4.4 | | 1/21/20-01/24/920 A | OR 6-23 | 3415 | 8900 |
| 29(2) | | | | | | 30(1) | | | | | |
| 10.2 | | 2/23/75-02/25/875 H | - | 3533 | 8330 | 5.2 | 2000- 48) | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 5.9 | 200- 20) | 2/02/39-02/03/939 H | - | 3612 | 8445 | | | | | | |
| 31(2) | | | | | | 32(4) | | | | | |
| 10.4 | 200- 42) | 2/04/37-02/08/937 H | - | 3300 | 11635 | 4.4 | | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| 10.2 | 200- 42) | 1/24/16-01/29/916 H | - | 3310 | 11641 | 4.2 | 500- 48) | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| | | | | | | 4.0 | 500- 48) | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| | | | | | | 3.8 | 200- 42) | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| 33(0) | | | | | | 34(1) | | | | | |
| | | | | | | 5.7 | 1000- 24) | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | | | | | | 36(10) | | | | | |
| 19.3 | | 12/05/35-12/08/935 A | GH 5- 4 | 2954 | 9537 | 10.2 | | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 | 9100 |
| 12.2 | | 12/01/13-12/05/913 A | GH 3-25 | 2952 | 9757 | 9.8 | | 12/23/04-12/27/904 A | LMV 3-10 | 3220 | 9232 |
| | | | | | | 9.1 | | 1/04/99-01/06/899 A | LMV 3- 7 | 3238 | 9002 |
| | | | | | | 8.4 | | 12/08/99-12/11/899 A | LMV 2- 4 | 3158 | 9059 |
| | | | | | | 8.3 | | 12/01/97-12/04/897 A | LMV 2- 3 | 3217 | 9011 |
| 37(5) | | | | | | 38(4) | | | | | |
| 11.4 | | 12/06/19-12/10/919 A | GH 1-22 | 3225 | 8702 | 13.5 | 1000- 48) | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 10.9 | | 1/18/43-01/19/943 A | SA 3-24 | 3121 | 8852 | 10.4 | 1000- 48) | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 10.0 | 1000- 48) | 12/27/42-12/30/942 H | - | 3351 | 8620 | 7.1 | 2000- 30) | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 8.5 | | 2/01/36-02/05/936 H | - | 3221 | 8840 | 7.1 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 | 8425 |
| 7.1 | | 12/02/32-12/14/932 A | GH 2-11 | 3246 | 8922 | | | | | | |
| 39(0) | | | | | | 40(0) | | | | | |

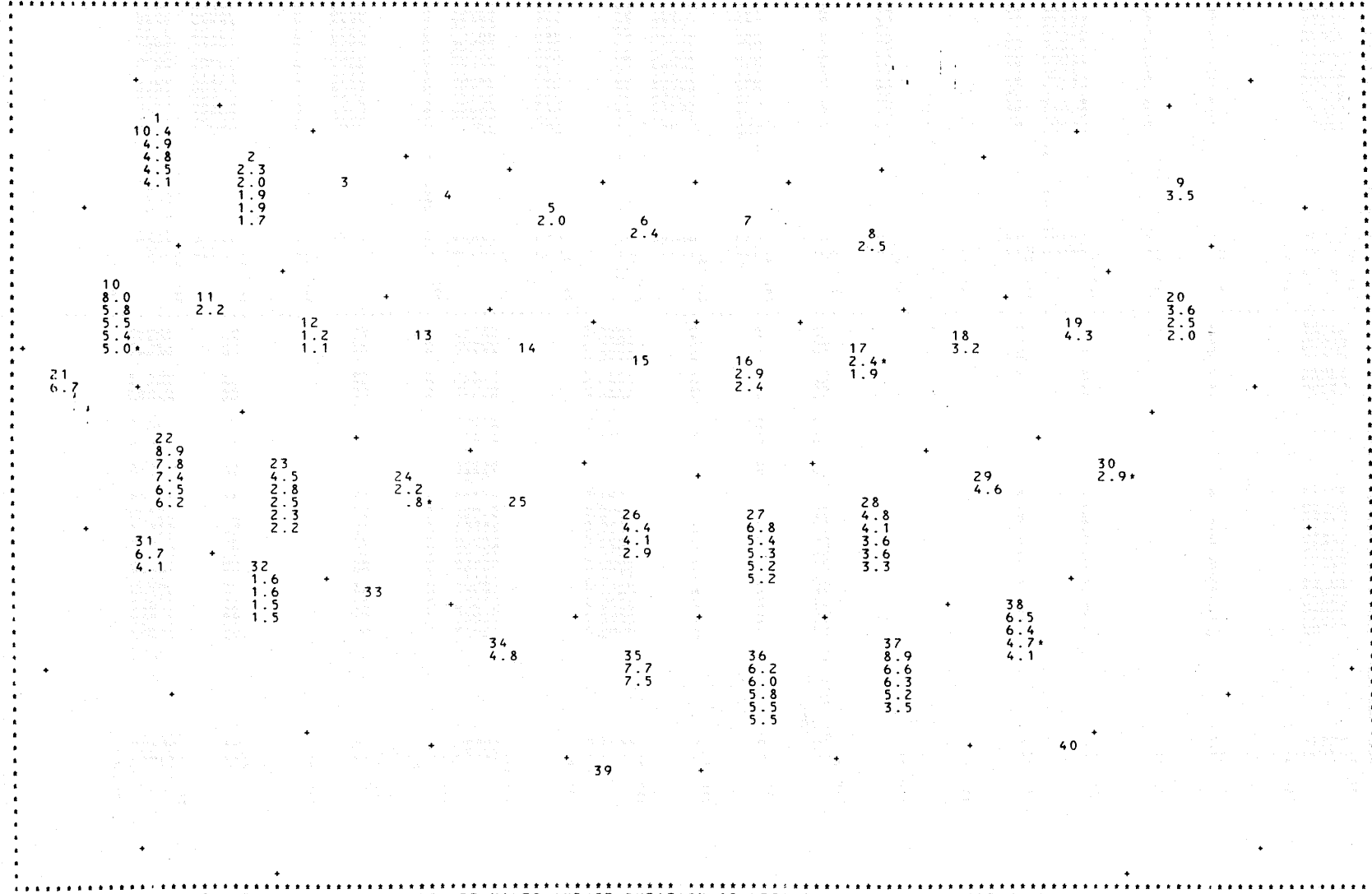
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|------------------|----------------------|-------------------------|--------------|-------|-----------------|------------------|----------------------|-------------------------|--------------|-------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(10) | | | | | | 2(8) | | | | | |
| 8.0 | | 1/20/35-01/25/935 H | - | 4730 | 12330 | 1.5 | | 12/18/33-12/23/933 H | - | 4729 | 11555 |
| 3.3 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | B 1.4 | | 12/01/41-12/04/941 R | - | 4400 | 11500 |
| 2.8 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 1.3 | | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 2.4 | | 12/16/31-12/19/931 H | - | 4730 | 12330 | B 1.1 | | 1/21/35-01/24/935 H | - | 4720 | 12140 |
| 2.4 | | 12/08/33-12/12/933 H | - | 4729 | 12330 | | | 1/19/43-01/23/943 R | - | 4410 | 11340 |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | 1.2 | 2/12/15-02/14/915 H | - | 4442 | 10004 | 6(1) | 1.4 | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 7(0) | | | | | | 8(1) | 1.4 | 2/19/22-02/23/922 A | GL 4-17 | 4419 | 8417 |
| 9(1) | 2.1 | 12/25/69-12/28/969 H | - | 4416 | 7118 | 10(14) | | | | | |
| | | | | | | 5.3 | | 12/29/13-01/03/914 R | - | 3955 | 12125 |
| | | | | | | 3.6 | | 1/11/09-01/16/909 R | - | 3900 | 12025 |
| | | | | | | 3.4 | | 2/24/40-02/29/940 R | - | 3935 | 12140 |
| | | | | | | 3.4 | | 12/08/29-12/13/929 R | - | 3905 | 12110 |
| | | | | | | B 2.9(1011- 6) | | 12/09/37-12/12/937 H | - | 3945 | 12130 |
| 11(1) | B 1.1 | 2/01/07-02/05/907 R | - | 4140 | 11525 | 12(2) | | | | | |
| | | | | | | 0.8 | | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| | | | | | | 0.6 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| 13(0) | | | | | | 14(0) | | | | | |
| 15(0) | | | | | | 16(2) | | | | | |
| | | | | | | 1.8 | | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| | | | | | | 1.3 | | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| 17(2) | 1.5(2000- 6) | 12/20/49-12/21/949 H | GL 2- 8 | 4027 | 8824 | 18(1) | 2.5 | 2/09/38-02/14/938 A | GL 2-27 | 4227 | 8436 |
| 1.3 | | 12/16/95-12/21/895 A | | 4157 | 8538 | | | | | | |
| 19(1) | 3.5 | 2/02/83-02/18/883 A | DR 5-11 | 4142 | 7716 | 20(3) | | | | | |
| | | | | | | 2.1 | | 12/19/36-12/21/936 A | WA 1-30 | 4144 | 7134 |
| | | | | | | 2.0 | | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| | | | | | | 1.3 | | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| 21(1) | 3.9 | 12/09/37-12/12/937 H | - | 3851 | 12243 | 22(13) | | | | | |
| | | | | | | 4.8 | | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | 4.5 | | 1/19/43-01/24/943 H | - | 3413 | 11862 |
| | | | | | | 4.2 | | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | 3.6 | | 1/19/43-01/24/943 R | - | 3735 | 11925 |
| | | | | | | 3.6 | | 2/17/14-02/22/914 H | - | 3418 | 11807 |
| 23(6) | 2.5 | 2/26/38-03/04/938 H | - | 3457 | 11144 | 24(2) | | | | | |
| 1.6 | | 2/10/27-02/22/927 H | - | 3419 | 11127 | 1.3 | | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 1.5 | | 2/04/37-02/08/937 H | - | 3458 | 11145 | B 0.5(8140- 6) | | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| 1.4 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | | | | | | |
| 1.3 | | 2/28/38-03/05/938 H | - | 3724 | 11230 | 26(3) | | | | | |
| 25(0) | | | | | | 3.2 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 | 9658 |
| | | | | | | 2.9 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 | 9615 |
| | | | | | | 2.2 | | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | 4.9 | 1/22/49-01/27/949 A | SW 3-10 | 3552 | 9219 | 28(7) | | | | | |
| 4.7 | | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 | 9200 | 3.4 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 | 8615 |
| 3.9 | | 12/26/42-12/28/942 A | UMV 3-22 | 3738 | 9133 | 2.9 | | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 | 8950 |
| 3.8 | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 | 9249 | 2.9 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 | 8833 |
| 3.3 | | 12/16/95-12/20/895 A | MR 1- 1 | 3728 | 9247 | 2.8 | | 12/27/22-12/27/922 A | UMV 3-10 | 3800 | 8835 |
| | | | | | | 2.6 | | 1/04/17-01/05/917 A | UMV 3- 3 | 3840 | 8732 |
| 29(1) | 3.7 | 2/23/75-02/25/875 H | - | 3533 | 8330 | 30(1) | 2.0(2000- 6) | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 31(2) | 4.4 | 2/04/37-02/08/937 H | - | 3300 | 11635 | 32(4) | | | | | |
| 2.4 | | 1/24/16-01/29/916 H | - | 3310 | 11641 | 1.4 | | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| | | | | | | 1.2 | | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | 1.0 | | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| | | | | | | 1.0 | | 12/01/06-12/04/906 H | - | 3154 | 11019 |
| 33(0) | | | | | | 34(1) | 3.4 | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | 4.7 | 12/03/35-12/08/935 A | GM 5- 4 | 2954 | 9537 | 36(9) | | | | | |
| 4.4 | | 12/01/13-12/05/913 A | GM 3-25 | 2952 | 9757 | 5.8 | | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 | 9100 |
| | | | | | | 5.4 | | 2/27/34-03/04/934 A | LMV 4-19 | 3050 | 9316 |
| | | | | | | 4.2 | | 12/08/99-12/11/899 A | LMV 2- 4 | 3158 | 9059 |
| | | | | | | 3.6 | | 2/28/27-03/01/927 A | LMV 4- 7 | 2945 | 9049 |
| | | | | | | | | 1/11/32-01/13/932 A | LMV 4-16 | 3152 | 9217 |
| 37(5) | 6.2 | 12/27/42-12/30/942 H | - | 3351 | 8620 | 38(4) | | | | | |
| 4.2 | | 1/16/43-01/19/943 A | SA 3-24 | 3121 | 8632 | 5.8 | | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 3.9 | | 12/06/19-12/10/919 A | GM 1-22 | 3225 | 8702 | 5.0 | | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 3.3 | | 2/01/36-02/05/936 H | - | 3221 | 8840 | 2.6(2000- 6) | | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 2.0 | | 12/08/32-12/14/932 A | GM 2-11 | 3246 | 8922 | 2.3 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 | 8425 |
| 39(0) | | | | | | 40(0) | | | | | |

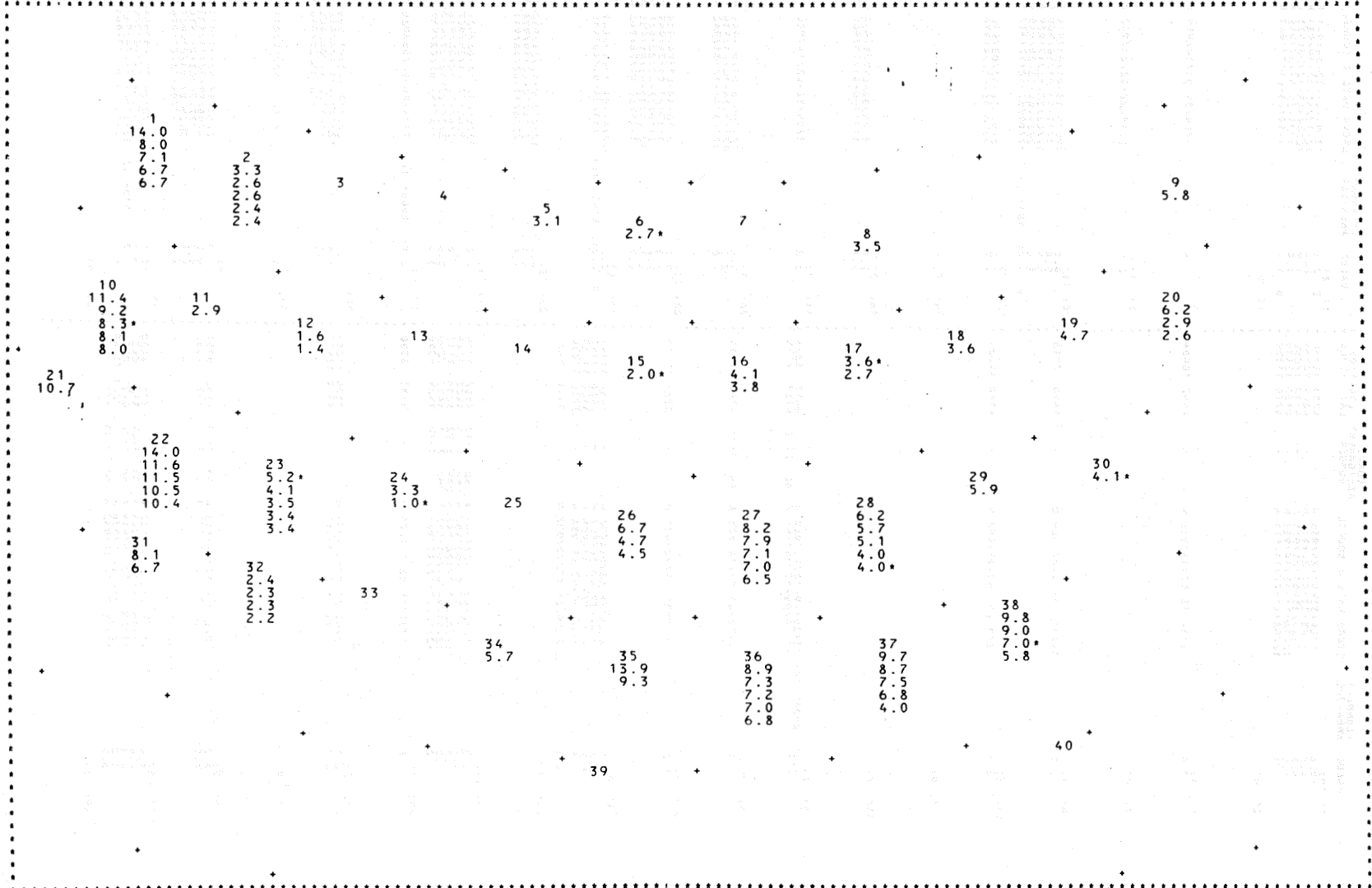
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|-------------------|----------------------|-------------------------|-------------------|---------|-------------------|----------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 10(10) | | | | | 2(8) | | | | |
| 10.4 | | 1/20/35-01/25/935 H | - | 4730 12330 | B 2.3 | | 12/01/41-12/04/941 R | - | 4400 11500 |
| 4.9 | | 2/23/35-02/27/932 H | - | 4804 12134 | 2.0 | | 12/17/33-12/19/933 H | - | 4721 11540 |
| 4.8 | | 1/20/35-01/25/935 H | - | 4700 12200 | 1.9 | | 12/18/33-12/23/933 H | - | 4729 11555 |
| 4.5 | | 12/16/31-12/19/931 H | - | 4730 12330 | 1.9 | | 1/21/35-01/24/935 H | - | 4720 11340 |
| 4.1 | | 12/08/21-12/13/921 H | - | 4730 12330 | B 1.7 | | 1/19/43-01/23/943 R | - | 4410 11340 |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) | | | | | 6(1) | | | | |
| 2.0 | | 2/12/15-02/14/915 H | - | 4442 10004 | 2.4 | | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) | | | | |
| | | | | | 2.5 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 |
| 9(1) | | | | | 10(14) | | | | |
| 3.5 | | 12/25/69-12/28/969 H | - | 4416 7118 | 3.0 | | 12/29/13-01/03/914 R | - | 3955 12125 |
| | | | | | 3.8 | | 1/11/09-01/16/909 R | - | 3900 12025 |
| | | | | | 5.5 | | 12/08/29-12/13/929 R | - | 4105 12210 |
| | | | | | 5.0 | | 2/24/40-02/29/940 R | - | 3955 12125 |
| | | | | | B 3.0 | 1011- 12) | 12/09/37-12/12/937 H | - | 3945 12130 |
| 11(1) | | | | | 12(2) | | | | |
| B 2.2 | | 2/01/07-02/05/907 R | - | 4140 11525 | 1.2 | | 2/01/36-02/03/936 H | - | 4036 11136 |
| | | | | | 1.1 | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(0) | | | | | 14(0) | | | | |
| 15(0) | | | | | 16(2) | | | | |
| | | | | | 2.9 | | 1/23/38-01/25/938 H | - | 4037 9004 |
| | | | | | 2.4 | | 1/11/60-01/15/960 H | - | 4225 9026 |
| 17(2) | | | | | 18(1) | | | | |
| 2.4 | 2000- 12) | 12/20/49-12/21/949 H | GL - | 4027 8824 | 3.2 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 |
| 1.9 | | 12/16/95-12/21/895 A | GL 2- 8 | 4157 8538 | | | | | |
| 19(1) | | | | | 20(3) | | | | |
| 4.3 | | 2/02/83-02/18/883 A | DR 5-11 | 4142 7716 | 3.6 | | 12/29/48-01/01/949 H | - | 4240 7319 |
| | | | | | 2.5 | | 12/19/36-12/21/936 A | MA 1-30 | 4144 7134 |
| | | | | | 2.0 | | 12/28/42-12/31/942 H | - | 4250 7438 |
| 21(1) | | | | | 22(13) | | | | |
| 6.7 | | 12/09/37-12/12/937 H | - | 3851 12243 | 8.9 | | 2/26/38-03/04/938 H | - | 3414 11711 |
| | | | | | 7.8 | | 1/19/43-01/24/943 H | - | 3413 11802 |
| | | | | | 7.4 | | 2/10/27-02/22/927 H | - | 3404 11650 |
| | | | | | 6.5 | | 12/29/33-01/01/934 H | - | 3413 11801 |
| | | | | | 6.2 | | 1/19/43-01/24/943 R | - | 3735 11925 |
| 23(6) | | | | | 24(2) | | | | |
| 4.5 | | 2/26/38-03/04/938 H | - | 3457 11144 | 2.2 | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 2.8 | | 2/04/37-02/08/937 H | - | 3458 11145 | B 0.8 | 8140- 12) | 1/15/16-01/20/916 R | - | 3410 10958 |
| 2.5 | | 12/14/08-12/17/908 H | - | 3422 11125 | | | | | |
| 2.3 | | 2/28/38-03/05/938 H | - | 3724 11230 | | | | | |
| 2.2 | | 2/10/27-02/22/927 H | - | 3419 11127 | | | | | |
| 25(0) | | | | | 26(3) | | | | |
| | | | | | 4.4 | | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | 4.1 | | 2/14/38-02/19/938 A | SW 2-17 | 3456 9615 |
| | | | | | 2.9 | | 2/16/11-02/18/911 H | - | 3627 9923 |
| 27(11) | | | | | 28(7) | | | | |
| 6.8 | | 1/22/49-11/27/949 A | SW 3-10 | 3552 9219 | 4.8 | | 12/04/24-12/08/924 A | OR 4-18 | 3713 8615 |
| 5.4 | | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 9249 | 4.1 | | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 |
| 5.3 | | 12/26/42-12/28/942 A | UMV 3-22 | 3738 9133 | 3.6 | | 12/07/16-12/08/916 A | UMV 3- 6 | 3754 8950 |
| 5.2 | | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 9200 | 3.6 | | 12/27/22-12/27/922 A | UMV 3-10 | 3800 8855 |
| | | 12/12/27-12/13/927 A | LMV 1-16 | 3529 9350 | 3.3 | | 1/27/57-02/02/957 H | - | 3529 8627 |
| 29(1) | | | | | 30(1) | | | | |
| 4.6 | | 2/23/75-02/25/875 H | - | 3533 8330 | 2.9 | 2000- 12) | 2/03/20-02/06/920 H | - | 3701 7639 |
| 31(2) | | | | | 32(4) | | | | |
| 6.7 | | 2/04/37-02/08/937 H | - | 3300 11635 | 1.6 | | 2/01/05-02/07/905 H | - | 3321 11101 |
| 4.1 | | 1/24/16-01/29/916 H | - | 3310 11641 | 1.6 | | 12/17/14-12/24/914 H | - | 3323 11100 |
| | | | | | 1.5 | | 12/01/06-12/04/906 H | - | 3134 11019 |
| | | | | | 1.5 | | 1/14/16-01/20/916 H | - | 3355 11120 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 4.8 | | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) | | | | | 36(9) | | | | |
| 7.7 | | 12/01/17-12/05/913 A | GH 3-25 | 2952 9757 | 6.2 | | 2/11/27-02/14/927 A | LMV 4- 7 | 3052 9100 |
| 7.5 | | 12/01/17-12/05/935 A | GH 5- 4 | 2954 9557 | 6.0 | | 12/08/99-12/11/899 A | LMV 2- 6 | 3158 9059 |
| | | | | | 5.8 | | 2/27/34-03/04/934 A | LMV 4-19 | 3050 9316 |
| | | | | | 5.5 | | 2/28/27-03/01/927 A | LMV 4- 7 | 2945 9049 |
| | | | | | 5.5 | | 12/23/04-12/27/904 A | LMV 3-10 | 3220 9252 |
| 37(5) | | | | | 38(4) | | | | |
| 8.9 | | 12/27/42-12/30/942 H | - | 3351 8620 | 6.5 | | 12/03/64-12/05/964 H | - | 3107 8325 |
| 6.6 | | 1/16/43-01/19/943 A | SA 3-24 | 3321 8652 | 6.4 | | 1/31/20-02/02/920 H | - | 2951 8120 |
| 6.3 | | 12/08/75-12/10/915 A | GH 1-22 | 3225 8702 | 4.7 | 2000- 12) | 12/23/41-12/24/941 H | - | 3212 8329 |
| 5.2 | | 2/01/36-02/05/936 H | - | 3221 8840 | 4.1 | | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 |
| 3.5 | | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | |
| 39(0) | | | | | 40(0) | | | | |

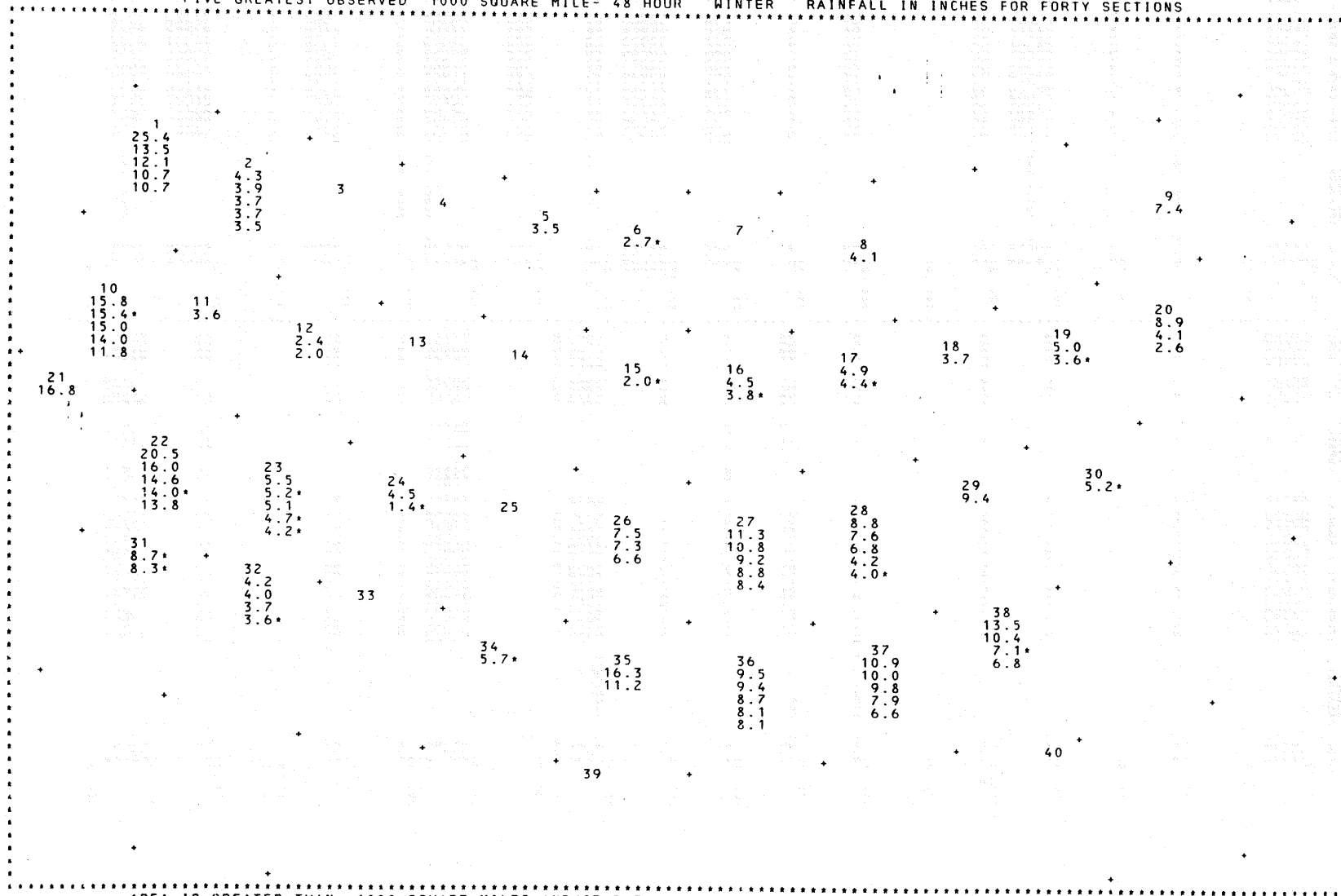
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | |
|--|----------------------|--|--|--|--|----------------------|--|--|--|--|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | |
| 1(10) 14.0 8.0 7.1 6.7 6.7 | | 1/20/35-01/25/935 H 12/18/31-12/19/931 H 1/20/35-01/25/935 H 2/23/32-02/27/932 H 2/23/32-02/27/932 H | - - - - - | 4730 12330 4730 12330 4700 12300 4730 12330 4804 12134 | 2(8) B 3.3 2.6 2.4 2.4 | | 12/01/41-12/04/941 R 12/18/35-12/23/933 H 1/21/35-01/24/935 H 1/19/43-01/23/943 R 12/17/33-12/19/933 H | - - - - - | 4400 11300 4729 11555 4720 11540 4410 11540 4721 11540 | |
| 3(0) | | | | | 4(0) | | | | | |
| 5(1) 3.1 | | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) 2.7(1000- 18) | | 1/09/39-01/10/939 H | - | 4429 9857 | |
| 7(0) | | | | | 8(1) 3.5 | | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 | |
| 9(1) 5.8 | | 12/25/69-12/28/969 H | - | 4416 7118 | 10(14) 11.4 9.2 B 8.3(1011- 24) 8.1 8.0 | | 12/29/13-01/03/914 R 1/11/09-01/16/909 R 12/09/37-12/12/937 H 12/08/29-12/13/929 R 2/24/40-02/29/940 R | - - - - - | 3955 12125 3900 12025 3945 12130 4105 12210 3955 12125 | |
| 11(1) B 2.9 | | 2/01/07-02/05/907 R | - | 4140 11525 | 12(2) 1.6 1.4 | | 2/01/36-02/03/936 H 2/19/36-02/24/936 H | - - | 4036 11136 4036 11136 | |
| 13(0) | | | | | 14(0) | | | | | |
| 15(1) 2.0(2000- 24) | | 12/30/31-12/30/931 H | - | 4133 9608 | 16(2) 4.1 3.8 | | 1/11/60-01/15/960 H 1/23/38-01/25/938 H | - - | 4225 9026 4037 9004 | |
| 17(2) 3.6(2000- 24) 2.7 | | 12/20/49-12/21/949 H 12/16/95-12/21/895 A | GL 2- 8 | 4027 8824 4157 8538 | 18(1) 3.6 | | 2/09/38-02/14/938 A | GL 2-27 | 4227 8436 | |
| 19(1) 4.7 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 7716 | 20(3) 6.2 2.9 2.6 | | 12/29/48-01/01/949 H 12/28/42-12/31/942 H 12/19/36-12/21/936 A | - - WA 1-30 | 4240 7319 4250 7438 4144 7134 | |
| 21(1) 10.7 | | 12/09/37-12/12/937 H | - | 3851 12243 | 22(13) 14.0 11.6 11.5 10.5 10.4 | | 1/19/43-01/24/943 H 2/10/27-02/22/927 H 2/26/38-03/04/938 H 12/29/35-01/01/934 H 1/19/43-01/24/943 R | - - - - - | 3413 11802 3404 11650 3414 11711 3413 11811 3735 11925 | |
| 23(6) 5.2(1000- 18) 4.1 3.5 3.4 3.4 | | 2/26/38-03/04/938 H 2/04/37-02/08/937 H 12/14/08-12/17/908 H 2/10/27-02/22/927 H 2/28/38-03/05/938 H | - - - - - | 3457 11144 3458 11145 3422 11125 3419 11127 3724 11230 | 24(2) 3.3 B 1.0(8140- 24) | | 12/14/08-12/17/908 H 1/15/16-01/20/916 R | - - | 3730 10830 3410 10958 | |
| 25(0) | | | | | 26(3) 6.7 4.7 4.5 | | 12/21/32-12/24/932 A 2/14/35-02/19/938 A 2/16/11-02/18/911 H | SH 2- 9 SH 2-17 | 3430 9658 3456 9615 3627 9923 | |
| 27(11) 8.2 7.9 7.1 7.0 6.5 | | 1/22/49-01/27/949 A 1/18/35-01/21/935 A 1/01/07-01/03/907 A 12/12/27-12/13/927 A 12/16/95-12/20/895 A | SH 3-10 LMV 1-19 LMV 1- 5 LMV 1-16 MR 1- 1 | 3552 9219 3450 9000 3422 9249 3529 9350 3728 9247 | 28(7) 6.2 5.7 5.1 4.0 4.0(1000- 18) | | 12/04/24-12/08/924 A 1/05/37-01/25/937 A 1/27/57-02/02/937 H 12/27/22-12/27/922 A 12/07/16-12/08/916 A | OR 4-18 OR 5- 6 UMV 3-10 UMV 3- 2 | 3713 8615 3607 8833 3529 8627 3800 8855 3754 8950 | |
| 29(1) 5.9 | | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) 4.1(2000- 24) | | 2/03/20-02/06/920 H | - | 3701 7639 | |
| 31(2) 8.1 6.7 | | 2/04/37-02/08/937 H 1/24/16-01/29/916 H | - - | 3300 11635 3310 11641 | 32(4) 2.4 2.3 2.3 2.2 | | 12/17/14-12/24/914 H 12/01/06-12/04/906 H 2/01/05-02/07/905 H 1/14/16-01/20/916 H | - - - - | 3323 11100 3134 11019 3321 11101 3355 11120 | |
| 33(0) | | | | | 34(1) 5.7 | | 12/08/11-12/10/911 H | - | 3117 10038 | |
| 35(2) 13.9 9.3 | | 12/05/35-12/08/935 A 12/01/13-12/05/913 A | GM 5- 4 GM 3-25 | 2954 9537 2952 9757 | 36(10) 8.9 7.3 7.2 7.0 6.8 | | 12/23/04-12/27/904 A 12/08/99-12/11/899 A 2/27/34-03/04/934 A 2/11/27-02/14/927 A 1/11/32-01/13/932 A | LMV 3-10 LMV 2- 4 LMV 4-19 LMV 4- 6 LMV 4-16 | 3220 9252 3158 9059 3050 9316 3052 9100 3152 9217 | |
| 37(5) 9.7 8.7 7.5 6.8 4.0 | | 12/27/42-12/30/942 H 1/18/43-01/19/943 A 12/06/76-12/10/919 A 2/01/36-02/05/936 H 12/08/32-12/14/932 A | - SA 3-24 GM 1-22 - GM 2-11 | 3351 8620 3121 8632 3225 8702 3221 8840 3246 8922 | 38(4) 9.8 9.0 7.0(2000- 24) 5.8 | | 12/03/64-12/05/964 H 1/31/20-02/02/920 H 12/23/41-12/24/941 H 2/10/05-02/13/905 A | - - - SA 3- 9 | 3107 8325 2951 8120 3212 8329 3214 8425 | |
| 39(0) | | | | | 40(0) | | | | | |

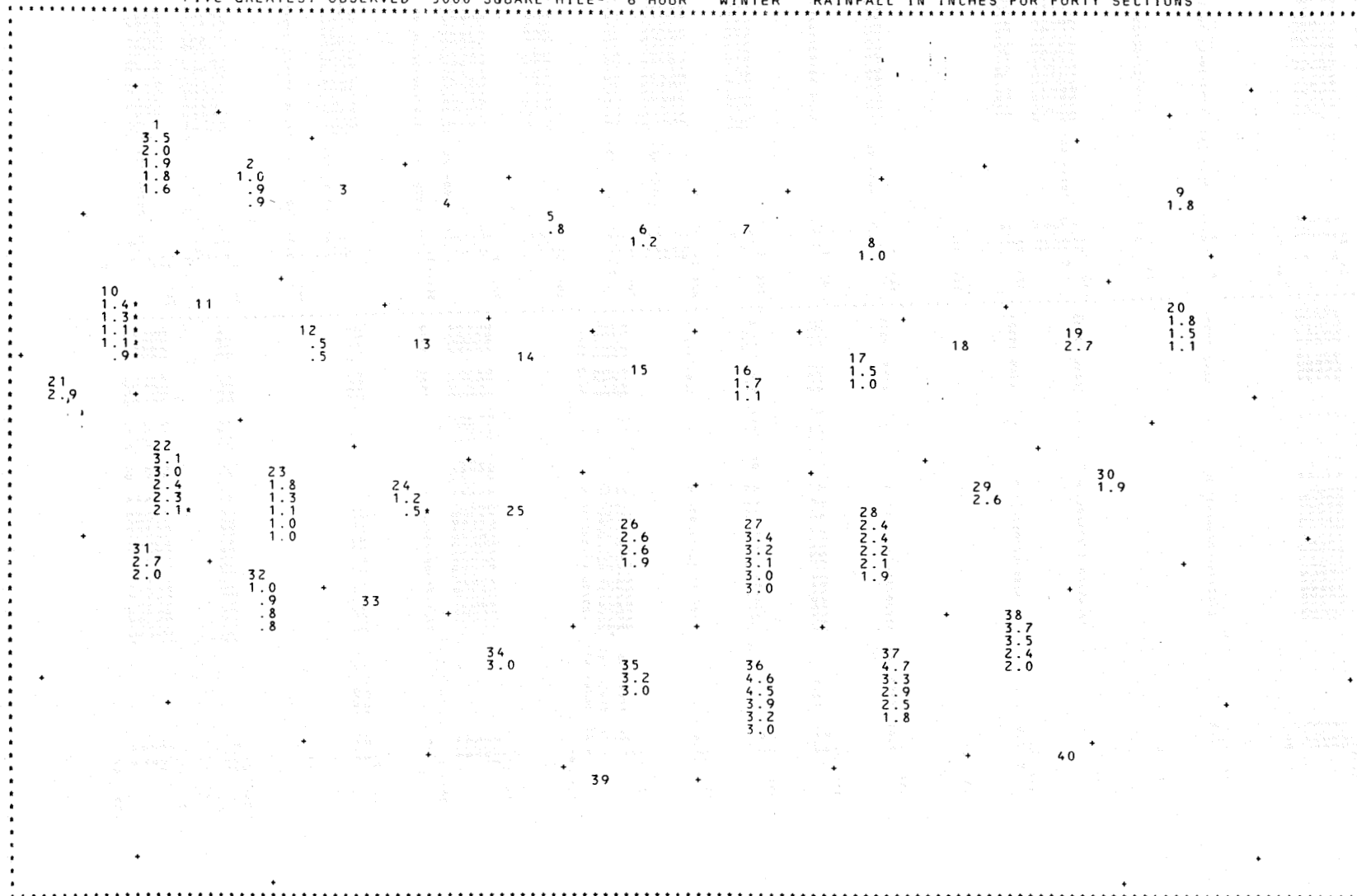
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|-------------------|----------------------|-------------------------|--------------|-----------|-------------------|-------------------|----------------------|-------------------------|--------------|-----------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(11) | | | | | | 2(8) | | | | | |
| 23.4 | | 1/20/35-01/25/935 H | - | 4730 | 12330 | B 4.3 | | 1/19/43-01/23/943 R | - | 4410 | 11540 |
| 13.3 | | 12/16/31-12/19/931 H | - | 4730 | 12330 | 15.9 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 12.1 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 3.7 | | 12/18/33-12/23/933 H | - | 4729 | 11535 |
| 10.7 | | 12/08/21-12/13/921 H | - | 4804 | 12134 | B 3.7 | | 12/01/41-12/04/941 R | - | 4400 | 11500 |
| 10.7 | | 12/08/21-12/13/921 H | - | 4730 | 12330 | 3.5 | | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | | | | | | 6(1) | | | | | |
| 3.5 | | 2/12/15-02/14/915 H | - | 4442 | 10004 | 2.7(1000- 18) | | 1/09/39-01/10/939 H | - | 4429 | 9837 |
| 7(0) | | | | | | 8(1) | | | | | |
| | | | | | | 4.1 | | 2/19/22-02/23/922 A | GL | 4-17 | 4419 8417 |
| 9(1) | | | | | | 10(14) | | | | | |
| 7.4 | | 12/25/69-12/28/969 H | - | 4416 | 7118 | B 15.8(1011- 48) | | 12/29/13-01/03/914 R | - | 3955 | 12125 |
| | | | | | | 15.4 | | 12/09/37-12/12/937 H | - | 3945 | 12130 |
| | | | | | | 15.0 | | 1/11/09-01/16/909 R | - | 3900 | 12025 |
| | | | | | | 14.0 | | 2/24/48-02/29/948 R | - | 3951 | 12125 |
| | | | | | | 11.8 | | 12/08/29-12/13/929 R | - | 4105 | 12210 |
| 11(1) | | | | | | 12(2) | | | | | |
| B 3.6 | | 2/01/07-02/05/907 R | - | 4140 | 11525 | 2.4 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| | | | | | | 2.0 | | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| 13(0) | | | | | | 14(0) | | | | | |
| 15(1) | | | | | | 16(2) | | | | | |
| 2.0(2000- 24) | | 12/30/31-12/30/931 H | - | 4133 | 9608 | 4.5 | | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| | | | | | | 3.8(1000- 30) | | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| 17(2) | | | | | | 18(1) | | | | | |
| 4.9 | | 12/16/95-12/21/895 A | GL | 2- 8 | 4157 8538 | 3.7 | | 2/09/38-02/14/938 A | GL | 2-27 | 4227 8436 |
| 4.4(2000- 36) | | 12/20/49-12/21/949 H | - | 4027 | 8824 | | | | | | |
| 19(2) | | | | | | 20(3) | | | | | |
| 5.0 | | 2/02/83-02/18/883 A | OR | 5-11 | 4142 7716 | 8.9 | | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| 3.6(7904- 36) | | 1/11/15-01/13/915 H | - | 3947 | 7721 | 4.1 | | 12/28/42-12/31/942 H | - | 4230 | 7438 |
| | | | | | | 2.6 | | 12/19/36-12/21/936 A | NA | 1-30 | 4144 7134 |
| 21(1) | | | | | | 22(13) | | | | | |
| 16.8 | | 12/09/37-12/12/937 H | - | 3851 | 12243 | 20.5 | | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | 16.0 | | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | 14.6 | | 1/19/43-01/24/943 R | - | 3735 | 11925 |
| | | | | | | 14.0(1000- 42) | | 1/14/16-01/19/916 H | - | 3415 | 11716 |
| | | | | | | 13.8 | | 12/17/21-12/27/921 H | - | 3415 | 11806 |
| 23(6) | | | | | | 24(2) | | | | | |
| 5.5 | | 2/10/27-02/22/927 H | - | 3419 | 11127 | 4.5 | | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 3.2(1000- 18) | | 2/26/38-03/04/938 H | - | 3457 | 11144 | B 1.4(8140- 48) | | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| 5.1 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | | | | | | |
| 4.7(1000- 42) | | 1/22/49-01/27/949 A | SW | 3-10 | 3552 9219 | | | | | | |
| | | 2/04/37-02/08/937 H | - | 3458 | 11145 | | | | | | |
| 4.2(1000- 42) | | 1/25/16-01/30/916 H | - | 3442 | 11214 | | | | | | |
| 25(0) | | | | | | 26(3) | | | | | |
| | | | | | | 7.5 | | 12/21/32-12/24/932 A | SW | 2- 9 | 3430 9658 |
| | | | | | | 7.3 | | 2/14/38-02/19/938 A | SW | 2-17 | 3456 9615 |
| | | | | | | 6.6 | | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | | | | | | 28(7) | | | | | |
| 11.3 | | 1/18/35-01/21/935 A | LMV | 1-19 | 3450 9000 | 8.8 | | 1/05/37-01/25/937 A | OR | 5- 6 | 3607 8833 |
| 10.8 | | 12/16/95-12/20/895 A | RR | 1- 1 | 3728 9247 | 7.6 | | 12/04/24-12/08/924 A | OR | 4-18 | 3713 8615 |
| 9.2 | | 1/22/49-01/27/949 A | SW | 3-10 | 3552 9219 | 6.8 | | 1/27/57-02/02/957 H | - | 3529 | 8627 |
| 8.8 | | 1/06/30-01/11/930 A | LMV | 2-22 | 3407 9303 | 4.2 | | 1/27/20-01/24/920 A | OR | 6-23 | 3415 8900 |
| 8.4 | | 1/01/07-01/03/907 A | LMV | 1- 5 | 3422 9249 | 4.0(1000- 24) | | 12/27/22-12/27/922 A | UMV | 3-10 | 3800 8855 |
| 29(1) | | | | | | 30(1) | | | | | |
| 9.4 | | 2/23/75-02/25/875 H | - | 3533 | 8330 | 5.2(2000- 48) | | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 31(2) | | | | | | 32(4) | | | | | |
| 8.7(1000- 42) | | 2/04/37-02/08/937 H | - | 3300 | 11635 | 4.2 | | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| 8.3(1000- 42) | | 1/24/16-01/29/916 H | - | 3310 | 11641 | 4.0 | | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| | | | | | | 3.7 | | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| | | | | | | 3.6(1000- 42) | | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| 33(0) | | | | | | 34(1) | | | | | |
| | | | | | | 5.7(1000- 24) | | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | | | | | | 36(10) | | | | | |
| 16.3 | | 12/05/35-12/08/935 A | GM | 5- 4 | 2954 9537 | 9.5 | | 2/11/27-02/14/927 A | LMV | 4- 6 | 3052 9100 |
| 11.2 | | 12/01/13-12/05/913 A | GM | 3-25 | 2952 9757 | 9.4 | | 12/23/04-12/27/904 A | LMV | 7- 1 | 3220 9252 |
| | | | | | | 8.7 | | 1/04/99-01/06/899 A | LMV | 3- 7 | 3238 9002 |
| | | | | | | 8.1 | | 1/16/25-01/20/925 H | - | 3130 | 9050 |
| | | | | | | 8.1 | | 12/01/97-12/04/897 A | LMV | 2- 3 | 3217 9011 |
| 37(5) | | | | | | 38(4) | | | | | |
| 10.9 | | 12/06/19-12/10/919 A | GM | 1-22 | 3225 8702 | 13.5 | | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 10.0 | | 12/27/42-12/30/942 H | - | 3351 | 8620 | 10.4 | | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 9.8 | | 1/16/43-01/19/943 A | SA | 3-24 | 3121 8632 | 7.1(2000- 30) | | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 7.9 | | 2/01/36-02/05/936 H | - | 3221 | 8840 | 6.8 | | 2/10/05-02/13/905 A | SA | 3- 9 | 3214 8425 |
| 6.6 | | 12/08/32-12/14/932 A | GM | 2-11 | 3246 8922 | | | | | | |
| 39(0) | | | | | | 40(0) | | | | | |

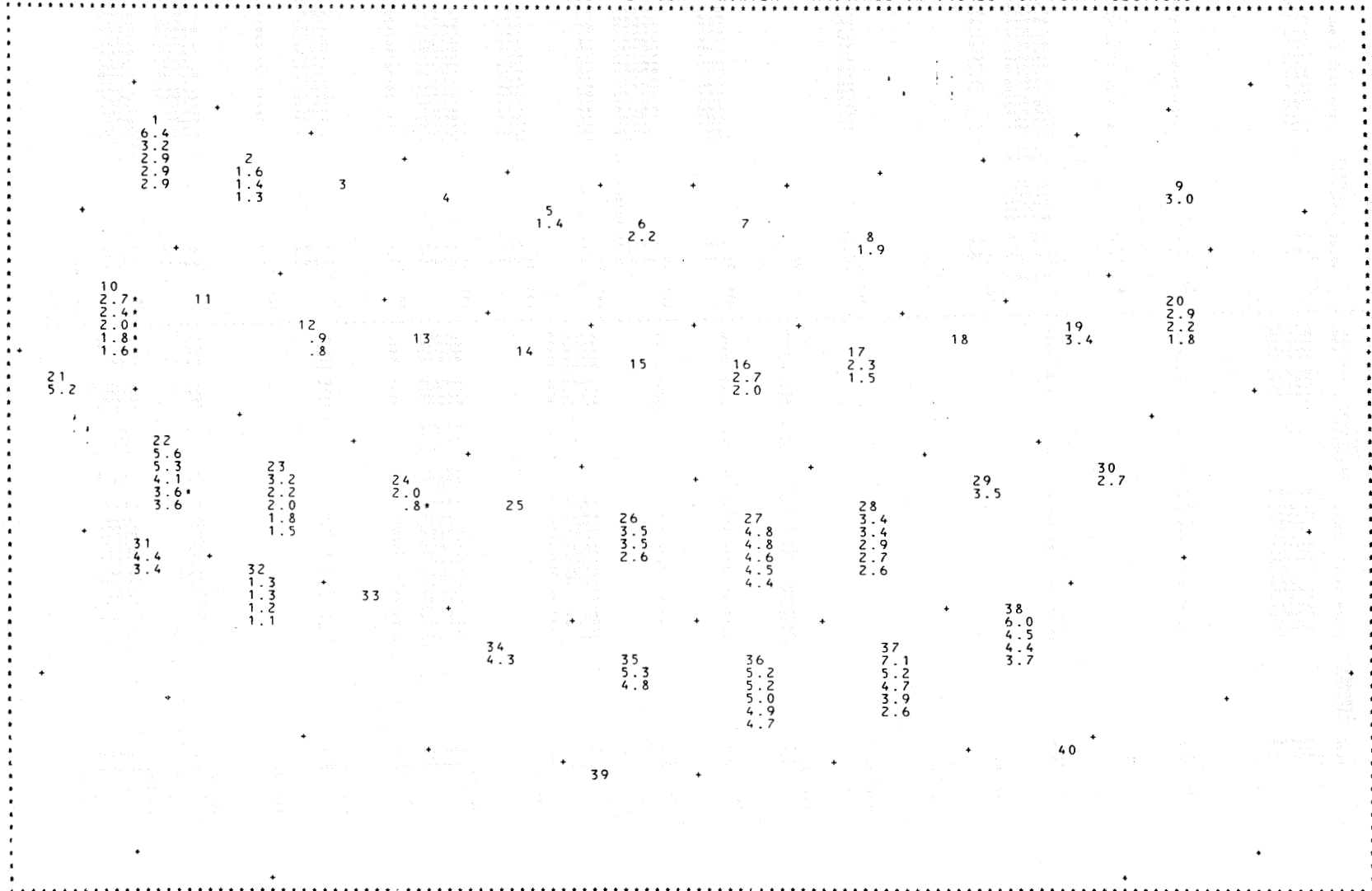
FIVE GREATEST OBSERVED 5000 SQUARE MILE- 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|------------------|-----------------------|-------------------------|--------------|-------|------------------|------------------|----------------------|-------------------------|--------------|-----------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(9) | | | | | | 2(3) | | | | | |
| 3.5 | | 1/20/35-01/25/935 H | - | 4730 | 12330 | 1.0 | | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 2.0 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | 0.9 | | 12/18/33-12/23/933 H | - | 4723 | 11535 |
| 1.9 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 0.9 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 1.8 | | 12/08/33-12/12/933 H | - | 4729 | 12539 | | | | | | |
| 1.6 | | 12/08/21-12/13/921 H | - | 4730 | 12330 | | | | | | |
| 3(0) | | | | | | 4(0) | | | | | |
| | | | | | | | | | | | |
| 5(1) | 0.8 | 2/12/15-02/14/915 H | - | 4442 | 10004 | 6(1) | 1.2 | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| | | | | | | | | | | | |
| 7(0) | | | | | | 8(1) | 1.0 | 2/19/22-02/23/922 A | GL | 4-17 | 4419 8417 |
| | | | | | | | | | | | |
| 9(1) | 1.8 | 12/25/69-12/28/969 H | - | 4416 | 7118 | 10(6) | | | | | |
| | | | | | | B 1.4(25055- 6) | | 12/29/13-01/02/914 H | - | 4000 | 12200 |
| | | | | | | B 1.3(25055- 6) | | 12/09/37-12/12/937 H | - | 4000 | 12200 |
| | | | | | | B 1.1(25055- 6) | | 12/09/29-12/13/929 H | - | 4000 | 12200 |
| | | | | | | B 1.1(25055- 6) | | 2/25/40-02/29/940 H | - | 4000 | 12200 |
| | | | | | | B 0.9(25055- 6) | | 1/12/06-01/19/906 H | - | 4000 | 12200 |
| 11(0) | | | | | | 12(2) | | | | | |
| | | | | | | 0.5 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| | | | | | | 0.5 | | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| 13(0) | | | | | | 14(0) | | | | | |
| | | | | | | | | | | | |
| 15(0) | | | | | | 16(2) | 1.7 | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| | | | | | | 1.1 | | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| | | | | | | | | | | | |
| 17(2) | 1.5 | 12/20/49-12/21/949 H | GL | 4027 | 8824 | 18(0) | | | | | |
| 1.0 | | 12/16/95-12/21/895 A | GL 2- 8 | 4157 | 8538 | | | | | | |
| | | | | | | | | | | | |
| 19(1) | 2.7 | 2/02/83-02/18/883 A | OR 5-11 | 4142 | 7716 | 20(3) | 1.8 | 12/19/36-12/21/936 A | WA | 1-30 | 4144 7134 |
| | | | | | | 1.5 | | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| | | | | | | 1.1 | | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| | | | | | | | | | | | |
| 21(1) | 2.9 | 12/09/37-12/12/937 H | - | 3851 | 12243 | 22(9) | 3.1 | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | 3.0 | | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | 2.4 | | 1/16/16-01/19/916 H | - | 3413 | 11716 |
| | | | | | | 2.3 | | 12/29/33-01/01/934 H | - | 3413 | 11801 |
| | | | | | | 2.1(10000- 6) | | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | | | | | | |
| 23(6) | 1.8 | 2/26/38-03/04/938 H | - | 3457 | 11144 | 24(2) | 1.2 | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 1.3 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | B 0.5(8140- 6) | | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| 1.1 | | 2/17/07-02/22/927 H | - | 3419 | 11127 | | | | | | |
| 1.0 | | 2/04/37-02/08/937 H | - | 3458 | 11145 | | | | | | |
| 1.0 | | 2/28/38-03/05/938 H | - | 3724 | 11230 | | | | | | |
| 25(0) | | | | | | 26(3) | 2.6 | 12/21/32-12/24/932 A | SW | 2- 9 | 3430 9658 |
| | | | | | | 2.6 | | 2/14/38-02/19/938 A | SW | 2-17 | 3436 9615 |
| | | | | | | 1.9 | | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| | | | | | | | | | | | |
| 27(11) | 3.4 | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 | 9200 | 28(7) | 2.4 | 12/04/24-12/08/924 A | OR | 4-18 | 3713 8615 |
| 3.2 | | 1/22/49-01/27/949 A | SW 3-10 | 3552 | 9219 | 2.4 | | 1/05/37-01/23/937 A | OR | 5- 6 | 3607 8833 |
| 3.1 | | 12/26/42-12/28/942 A | UMV 3-22 | 3738 | 9133 | 2.2 | | 12/07/16-12/08/916 A | UMV | 3- 2 | 3754 8950 |
| 3.0 | | 1/01/07-01/03/907 A | LHV 1- 5 | 3422 | 9249 | 2.1 | | 1/04/17-01/05/917 A | UMV | 3- 3 | 3840 8732 |
| 3.0 | | 12/12/27-12/13/927 A | LHV 1-16 | 3529 | 9353 | 1.9 | | 12/27/22-12/27/922 A | UMV | 3-10 | 3800 8855 |
| | | | | | | | | | | | |
| 29(1) | 2.6 | 2/23/75-02/25/875 H | - | 3533 | 8330 | 30(1) | 1.9 | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| | | | | | | | | | | | |
| 31(2) | 2.7 | 2/1- 37-02/08/937 H | - | 3300 | 11635 | 32(4) | 1.0 | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| 2.0 | | 1/24/16-01/29/916 H | - | 3310 | 11641 | 0.9 | | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | 0.8 | | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| | | | | | | 0.8 | | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| | | | | | | | | | | | |
| 33(0) | | | | | | 34(1) | 3.0 | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| | | | | | | | | | | | |
| 35(2) | 3.2 | 12/15/35-12/08/935 A | GM 5- 4 | 2954 | 9537 | 36(9) | 4.6 | 2/11/27-02/14/927 A | LMV | 4- 6 | 3052 9100 |
| 3.0 | | 2/11/33-3-12/05/913 A | GM 3-25 | 2952 | 9757 | 4.5 | | 2/27/34-03/04/934 A | LMV | 4-19 | 3050 9316 |
| | | | | | | 3.9 | | 12/08/99-12/11/899 A | LMV | 2- 4 | 3158 9059 |
| | | | | | | 3.2 | | 2/28/27-03/01/927 A | LMV | 4- 7 | 2945 9049 |
| | | | | | | 3.0 | | 1/11/32-01/13/932 A | LMV | 4-16 | 3152 9217 |
| | | | | | | | | | | | |
| 37(5) | 4.7 | 2/17/42-12/30/942 H | - | 3351 | 8620 | 38(4) | 3.7 | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 3.3 | | 1/15/41-01/19/943 A | SA 3-24 | 3121 | 8632 | 3.5 | | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 2.9 | | 1/15/41-01/19/919 A | GM 1-22 | 3225 | 8702 | 2.4 | | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 2.5 | | 2/15/36-02/05/936 H | - | 3221 | 8840 | 2.0 | | 2/10/05-02/13/905 A | SA | 3- 9 | 3214 8425 |
| 1.8 | | 2/15/32-12/14/932 A | GM 2-11 | 3246 | 8922 | | | | | | |
| | | | | | | | | | | | |
| 39(0) | | | | | | 40(0) | | | | | |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

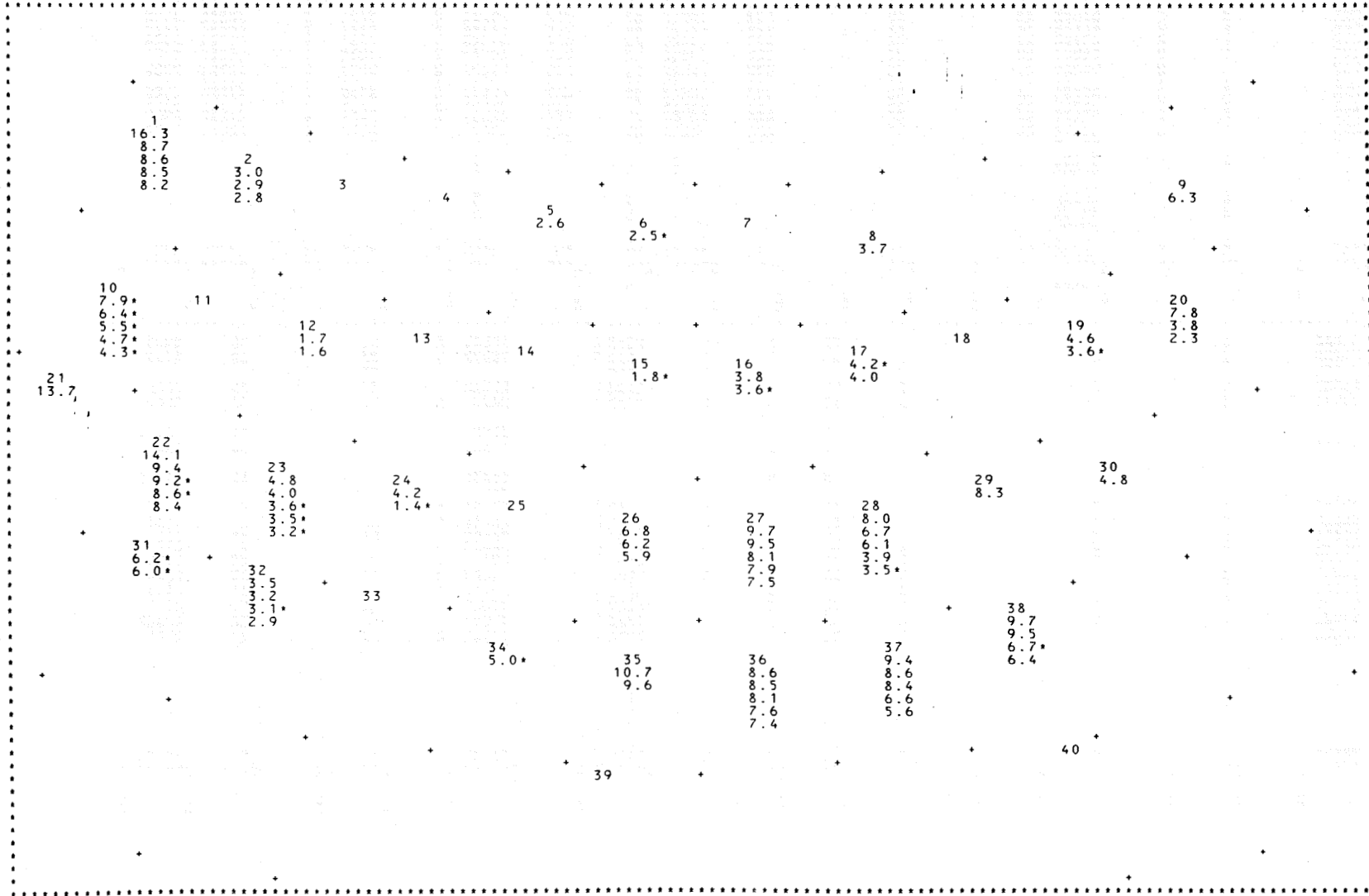


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|-------------------|----------------------|-------------------------|--------------|-----------|--------|-------------------|----------------------|-------------------------|--------------|-----------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(9) | | | | | | 2(3) | | | | | |
| 6.4 | | 1/20/35-01/25/935 H | - | 4730 | 12330 | 1.6 | | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 3.2 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 1.4 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 2.9 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | 1.3 | | 12/18/33-12/23/933 H | - | 4729 | 11555 |
| 2.9 | | 12/08/21-12/13/921 H | - | 4730 | 12330 | | | | | | |
| 2.9 | | 12/08/21-12/13/921 H | - | 4804 | 12134 | | | | | | |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | 1.4 | 2/12/15-02/14/915 H | - | 4442 | 10004 | 6(1) | 2.2 | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 7(0) | | | | | | 8(1) | 1.9 | 2/19/22-02/23/922 A | GL | 4-17 | 4419 8417 |
| 9(1) | 3.0 | 12/25/69-12/28/969 H | - | 4416 | 7118 | 10(6) | | | | | |
| | | | | | | B | 2.7(25055- 12) | 12/29/13-01/02/914 H | - | 4000 | 12200 |
| | | | | | | B | 2.4(25055- 12) | 12/09/37-12/12/937 H | - | 4000 | 12200 |
| | | | | | | B | 2.0(25055- 12) | 2/25/40-02/29/940 H | - | 4000 | 12200 |
| | | | | | | B | 1.8(25055- 12) | 1/12/06-01/19/906 H | - | 4000 | 12200 |
| | | | | | | B | 1.6(25055- 12) | 12/09/29-12/13/929 H | - | 4000 | 12200 |
| 11(0) | | | | | | 12(2) | | | | | |
| | | | | | | | 0.9 | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| | | | | | | | 0.8 | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| 13(0) | | | | | | 14(0) | | | | | |
| 15(0) | | | | | | 16(2) | | | | | |
| | | | | | | | 2.7 | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| | | | | | | | 2.0 | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| 17(2) | 2.3 | 12/20/49-12/21/949 H | - | 4027 | 8824 | 18(0) | | | | | |
| 1.5 | | 12/16/95-12/21/895 A | GL | 2- 8 | 4157 8538 | | | | | | |
| 19(1) | 3.4 | 2/02/83-02/18/883 A | OR | 5-11 | 4142 7716 | 20(3) | | | | | |
| | | | | | | | 2.9 | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| | | | | | | | 2.2 | 12/19/36-12/21/936 A | NA | 1-30 | 4144 7134 |
| | | | | | | | 1.8 | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| 21(1) | 5.2 | 12/09/37-12/12/937 H | - | 3851 | 12243 | 22(9) | | | | | |
| | | | | | | | 5.6 | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | | 5.3 | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | | 4.1 | 12/29/33-01/01/934 H | - | 3413 | 11801 |
| | | | | | | | 3.6(10000- 12) | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | | 3.6 | 1/14/16-01/19/916 H | - | 3415 | 11716 |
| 23(6) | 3.2 | 2/26/38-03/04/938 H | - | 3457 | 11144 | 24(2) | | | | | |
| 2.2 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | | 2.0 | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 2.0 | | 2/04/37-02/08/937 H | - | 3458 | 11145 | B | 0.8(8140- 12) | 1/15/16-01/20/916 H | - | 3410 | 10958 |
| 1.8 | | 2/28/38-03/05/938 H | - | 3724 | 11230 | | | | | | |
| 1.5 | | 2/10/27-02/22/927 H | - | 3419 | 11127 | 26(3) | | | | | |
| 25(0) | | | | | | | 3.5 | 12/21/32-12/24/932 A | SW | 2- 9 | 3430 9658 |
| | | | | | | | 3.5 | 2/14/38-02/19/938 A | SW | 2-17 | 3436 9613 |
| | | | | | | | 2.6 | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | 4.8 | 1/01/07-01/03/907 A | LMV | 1- 5 | 3422 9249 | 28(7) | | | | | |
| 4.8 | | 12/12/27-12/13/927 A | LMV | 1-16 | 3529 9350 | | 3.4 | 12/04/24-12/08/924 A | OR | 4-18 | 3713 8615 |
| 4.6 | | 1/22/49-01/27/949 A | SW | 3-10 | 3552 9219 | | 3.4 | 1/05/37-01/25/937 A | OR | 5- 6 | 3607 8833 |
| 4.5 | | 12/26/42-12/28/942 A | UMV | 3-22 | 3738 9133 | | 2.9 | 12/07/16-12/08/916 A | UMV | 3- 2 | 3754 8950 |
| 4.4 | | 12/31/96-01/03/897 A | UMV | 2- 1 | 3412 9200 | | 2.7 | 1/04/17-01/05/914 A | UMV | 3- 2 | 3840 8312 |
| | | | | | | | 2.6 | 12/27/22-12/27/922 A | UMV | 3-10 | 3800 8855 |
| 29(1) | 3.5 | 2/23/75-02/25/875 H | - | 3533 | 8330 | 30(1) | 2.7 | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 31(2) | 4.4 | 2/04/37-02/08/937 H | - | 3300 | 11635 | 32(4) | | | | | |
| 3.4 | | 1/24/16-01/29/916 H | - | 3310 | 11641 | | 1.3 | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| | | | | | | | 1.3 | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| | | | | | | | 1.2 | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | | 1.1 | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| 33(0) | | | | | | 34(1) | 4.3 | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | 5.3 | 12/05/35-12/08/935 A | GM | 5- 4 | 2954 9537 | 36(9) | | | | | |
| 4.8 | | 12/01/13-12/05/913 A | GM | 3-25 | 2952 9757 | | 5.2 | 12/08/99-12/11/899 A | LMV | 2- 4 | 3158 9059 |
| | | | | | | | 5.0 | 2/11/27-02/14/927 A | LMV | 4- 6 | 3052 9100 |
| | | | | | | | 4.9 | 2/27/34-03/04/934 A | LMV | 4-19 | 3050 9316 |
| | | | | | | | 4.7 | 12/23/04-12/27/904 A | LMV | 3-10 | 3220 9252 |
| | | | | | | | | 1/11/32-01/13/932 A | LMV | 4-16 | 3152 9217 |
| 37(5) | 7.1 | 12/27/42-12/30/942 H | - | 3351 | 8620 | 38(4) | | | | | |
| 5.2 | | 1/16/43-01/19/943 A | SA | 3-24 | 3121 8652 | | 6.0 | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 4.7 | | 12/06/19-12/10/919 A | GM | 1-22 | 3225 8702 | | 4.5 | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 3.9 | | 2/51/36-02/05/936 H | - | 3221 | 8840 | | 4.4 | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| 2.6 | | 12/08/32-12/14/932 A | GM | 2-11 | 3246 8922 | | 3.7 | 2/10/05-02/13/905 A | SA | 3- 9 | 3214 8425 |
| 39(0) | | | | | | 40(0) | | | | | |

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | |
|--|--|--|--|--|---------|---|--|--|--|--|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | |
| 1(9) | 8.8 5.0 4.8 4.7 | 1/20/35-01/25/935 H 1/20/35-01/25/935 H 12/16/31-12/19/931 H 12/08/21-12/13/921 H 2/23/32-02/27/932 H | - - - - - | 4730 12330 4700 12200 4730 12330 4804 12134 4804 12134 | 2(3) | 2.0 2.0 1.9 | 12/18/33-12/23/933 H 1/21/35-01/24/935 H 12/17/33-12/19/933 H | - - - | 4729 11555 4720 11540 4721 11540 | |
| 3(0) | | | | | 4(0) | | | | | |
| 5(1) | 2.2 | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) | 2.5(5000- 18) | 1/09/39-01/10/939 H | - | 4429 9857 | |
| 7(0) | | | | | 8(1) | 2.9 | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 | |
| 9(1) | 4.9 | 12/25/69-12/28/969 H | - | 4416 7118 | 10(6) | B 4.6(25055- 24) B 3.9(25055- 24) B 3.4(25055- 24) B 2.8(25055- 24) B 2.6(25055- 24) | 12/09/37-12/12/937 H 12/29/13-01/02/914 H 2/25/60-02/29/940 H 1/12/06-01/19/906 H 12/09/29-12/13/929 H | - - - - - | 4000 12200 4000 12200 4000 12200 4000 12200 4000 12200 | |
| 11(0) | | | | | 12(2) | 1.2 1.0 | 2/01/36-02/03/936 H 2/19/36-02/24/936 H | - - | 4036 11136 4036 11136 | |
| 13(0) | | | | | 14(0) | | | | | |
| 15(1) | 1.8 | 12/30/31-12/30/931 H | - | 4133 9608 | 16(2) | 3.6 3.6 | 1/23/38-01/25/938 H 1/11/60-01/15/960 H | - - | 4037 9004 4225 9026 | |
| 17(2) | 3.4 2.2 | 12/20/49-12/21/949 H 12/16/95-12/21/895 A | GL 2- 8 | 4027 8824 4157 8538 | 18(0) | | | | | |
| 19(1) | 4.2 | 2/02/83-02/18/883 A | DR 5-11 | 4142 7716 | 20(3) | 5.5 2.6 2.3 | 12/29/48-01/01/949 H 12/28/42-12/31/942 H 12/19/36-12/21/936 A | - - WA 1-30 | 4240 7319 4250 7438 4144 7134 | |
| 21(1) | 8.1 | 12/09/37-12/12/937 H | - | 3851 12243 | 22(9) | 9.6 7.7 7.0 6.3 6.2 | 1/19/43-01/24/943 H 2/26/38-03/04/938 H 12/29/33-01/01/934 H 2/10/27-02/22/927 H 1/14/16-01/19/916 H | - - - - - | 3413 11802 3414 11711 3413 11801 3404 11650 3415 11716 | |
| 23(6) | 3.2 3.2(5000- 18) 3.0 2.5 2.3 | 12/14/08-12/17/908 H 2/26/38-03/04/938 H 2/04/37-02/08/937 H 2/28/38-03/05/938 H 2/10/27-02/22/927 H | - - - - - | 3422 11125 3457 11144 3458 11145 3724 11230 3419 11127 | 24(2) | B 3.0 B 1.0(8140- 24) | 12/14/08-12/17/908 H 1/15/16-01/20/916 R | - - | 3730 10830 3410 10958 | |
| 25(0) | | | | | 26(3) | 5.9 4.1 3.9 | 12/21/32-12/24/932 A 2/16/11-02/18/911 H 2/14/38-02/19/938 A | SW 2- 9 - SW 2-17 | 3430 9658 3627 9923 3456 9615 | |
| 27(11) | 6.4 6.4 6.2 6.2 5.7 | 12/12/27-12/13/927 A 1/18/35-01/21/935 A 1/01/07-01/03/907 A 1/22/49-01/27/949 A 12/16/95-12/20/895 A | LHV 1-16 LHV 1-19 LHV 1- 5 SM 3-10 NR 1- 1 | 3529 9350 3450 9000 3422 9249 3552 9219 3728 9247 | 28(7) | 5.5 4.8 4.3 3.3(5000- 18) 3.2 | 12/04/24-12/08/924 A 1/05/37-01/25/937 A 1/02/57-02/02/957 H 12/07/16-12/08/916 A 1/04/17-01/05/917 A | OR 4-18 OR 5- 6 A URV 3- 2 A URV 3- 3 | 3713 8615 3607 8833 3529 8627 3754 8950 3840 8732 | |
| 29(1) | 5.2 | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) | 3.8 | 2/03/20-02/06/920 H | - | 3701 7639 | |
| 31(2) | 5.4 5.2 | 2/04/37-02/08/937 H 1/24/16-01/29/916 H | - - | 3300 11635 3310 11641 | 32(4) | 2.0 1.9 1.9 1.8 | 12/01/06-12/04/906 H 12/17/14-12/24/914 H 1/14/16-01/20/916 H 2/01/05-02/07/905 H | - - - - | 3134 11019 3325 11100 3355 11120 3321 11101 | |
| 33(0) | | | | | 34(1) | 5.0 | 12/08/11-12/10/911 H | - | 3117 10038 | |
| 35(2) | 9.0 6.5 | 12/05/35-12/08/935 A 12/01/13-12/05/913 A | GM 5- 4 GM 3-25 | 2954 9537 2952 9757 | 36(10) | 8.1 6.6 6.5 6.3 6.1 | 12/23/04-12/27/904 A 2/27/34-03/04/934 A 12/08/99-12/11/899 A 1/04/99-01/06/899 A 2/11/27-02/14/927 A | LHV 3-10 LHV 4-19 LHV 2- 4 LHV 3- 7 LHV 4- 6 | 3220 9252 3050 9316 3158 9059 3238 9002 3052 9100 | |
| 37(5) | 8.1 6.8 6.2 5.5 3.4 | 12/27/42-12/30/942 H 1/16/43-01/19/943 A 12/06/19-12/10/919 A 2/01/36-02/05/936 H 12/08/32-12/14/932 A | - SA 3-24 GM 1-22 - GM 2-11 | 3351 8620 3121 8632 3225 8702 3221 8840 3246 8922 | 38(4) | 9.1 6.6 6.3 5.3 | 12/03/64-12/05/964 H 12/23/41-12/24/941 H 1/31/20-02/02/920 H 2/10/05-02/13/905 A | - - - SA 3- 9 | 3107 8325 3212 8329 2951 8120 3214 8425 | |
| 39(0) | | | | | 40(0) | | | | | |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

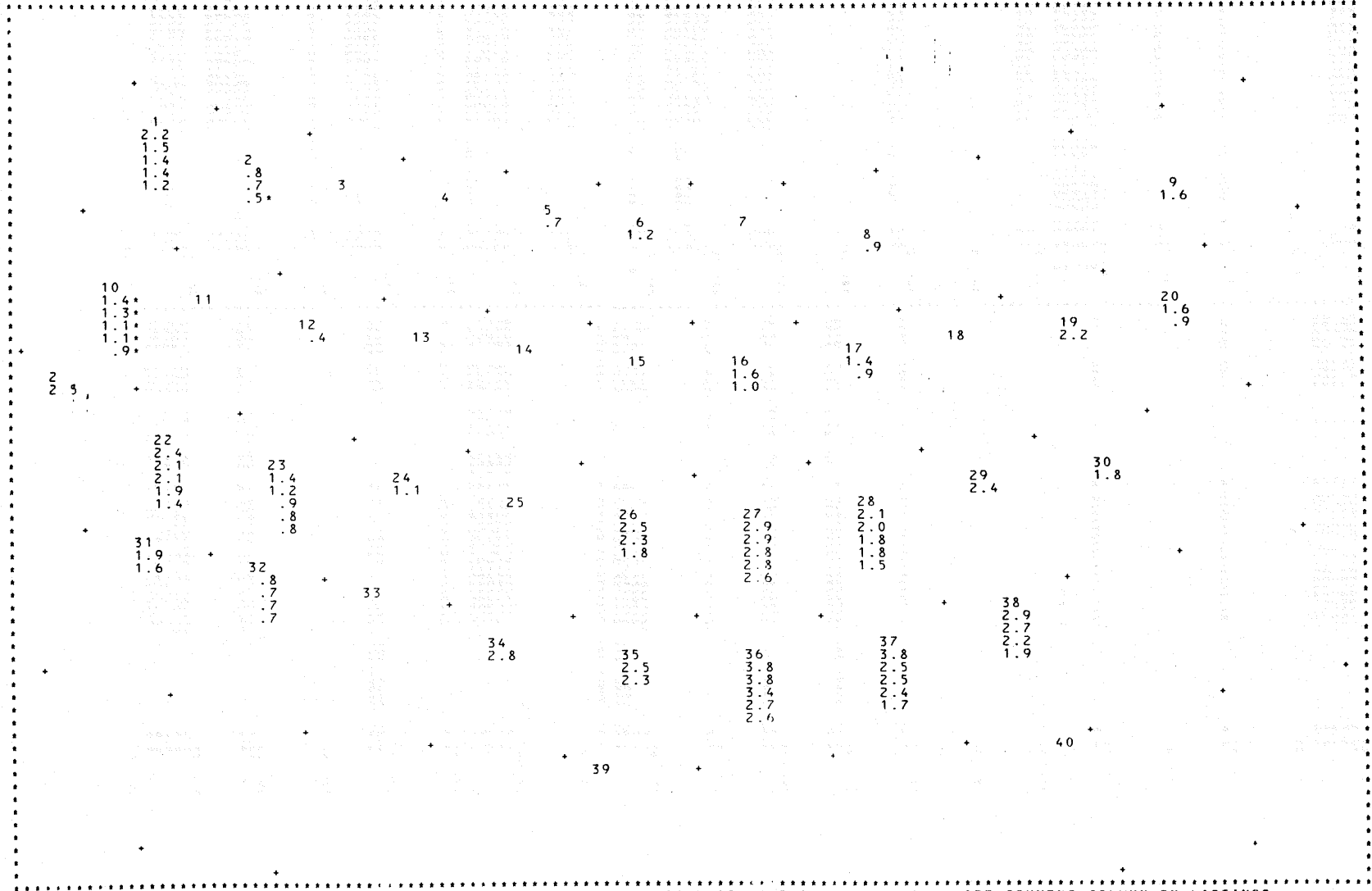


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
|----------|-------------------|----------------------|-------------------------|--------------|-----------|----------|-------------------|----------------------|-------------------------|--------------|-----------|
| 10 (9) | 18.3 | 1/20/35-01/25/935 H | - | 4730 | 12330 | 20 (3) | 3.0 | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| | 8.7 | 12/08/21-12/13/921 H | - | 4730 | 12330 | | 2.9 | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| | 8.6 | 12/08/21-12/13/921 H | - | 4804 | 12134 | | 2.8 | 12/18/33-12/23/933 H | - | 4729 | 11555 |
| | 8.6 | 1/20/35-01/25/935 H | - | 4700 | 12200 | | | | | | |
| | 8.2 | 12/16/31-12/19/931 H | - | 4730 | 12330 | | | | | | |
| 30 (0) | | | | | | 40 (0) | | | | | |
| 50 (1) | 2.6 | 2/12/15-02/14/915 H | - | 4442 | 10004 | 60 (1) | 2.5 (5000- 18) | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 70 (0) | | | | | | 80 (1) | 2.7 | 2/19/22-02/23/922 A | GL | 4-17 | 4419 8417 |
| 90 (1) | 6.3 | 12/25/69-12/28/969 H | - | 4416 | 7118 | 100 (6) | B 7.9 (25055- 48) | 12/09/37-12/12/937 H | - | 4000 | 12200 |
| | | | | | | | B 6.4 (25055- 48) | 2/25/40-02/29/940 H | - | 4000 | 12200 |
| | | | | | | | B 5.5 (25055- 48) | 12/29/13-01/02/914 H | - | 4000 | 12200 |
| | | | | | | | B 4.7 (25055- 48) | 1/12/09-01/16/909 H | - | 4000 | 12200 |
| | | | | | | | B 4.3 (25055- 48) | 1/12/06-01/19/906 H | - | 4000 | 12200 |
| 110 (0) | | | | | | 120 (2) | 1.7 | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| | | | | | | | 1.6 | 2/01/36-02/03/936 H | - | 4036 | 11136 |
| 130 (0) | | | | | | 140 (0) | | | | | |
| 150 (1) | 1.8 (5000- 24) | 12/30/31-12/30/931 H | - | 4133 | 9608 | 160 (2) | 3.8 | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| | | | | | | | 3.6 (5000- 30) | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| 170 (2) | 4.2 (5000- 36) | 12/20/49-12/21/949 H | GL | 4027 | 8824 | 180 (0) | | | | | |
| | 4.0 | 12/16/95-12/21/895 A | GL | 4157 | 8538 | | | | | | |
| 190 (2) | 4.6 | 2/02/83-02/18/883 A | OR | 5-11 | 4142 7716 | 200 (3) | 7.8 | 12/29/48-01/01/949 H | - | 4240 | 7319 |
| | 3.6 (7904- 36) | 1/11/15-01/13/915 H | | | 3947 7721 | | 3.8 | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| | | | | | | | 2.3 | 12/19/36-12/21/936 A | MA | 1-30 | 4144 7134 |
| 210 (1) | 13.7 | 12/09/37-12/12/937 H | - | 3851 | 12243 | 220 (9) | 14.1 | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | | 9.4 | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | | 9.2 (5000- 42) | 1/14/16-01/19/916 H | - | 3415 | 11716 |
| | | | | | | | 8.6 (10000- 48) | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | | 8.4 | 12/17/21-12/27/921 H | - | 3415 | 11806 |
| 230 (6) | 4.8 | 12/14/08-12/17/908 H | - | 3422 | 11125 | 240 (2) | 4.2 | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| | 4.0 | 2/10/27-02/22/927 H | - | 3419 | 11127 | | B 1.4 (8140- 48) | 1/15/16-01/20/916 R | - | 3410 | 10958 |
| | 3.6 (5000- 42) | 1/25/16-01/30/916 H | - | 3442 | 11214 | | | | | | |
| | 3.5 (5000- 42) | 2/04/37-02/08/937 H | - | 3458 | 11145 | | | | | | |
| | 3.2 (5000- 18) | 2/26/38-03/04/938 H | - | 3457 | 11144 | | | | | | |
| 250 (0) | | | | | | 260 (3) | 6.8 | 12/21/32-12/24/932 A | SW | 2- 9 | 3430 9658 |
| | | | | | | | 6.2 | 2/14/38-02/19/938 A | SW | 2-17 | 3456 9613 |
| | | | | | | | 5.9 | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 270 (11) | 9.7 | 1/18/35-01/21/935 A | LMV | 1-19 | 3450 9000 | 280 (7) | 8.0 | 1/05/37-01/25/937 A | OR | 5- 6 | 3607 8833 |
| | 9.5 | 12/16/95-12/20/895 A | HR | 1- 1 | 3728 9247 | | 6.7 | 12/04/24-12/08/924 A | DR | 4-18 | 3713 8615 |
| | 8.1 | 1/08/30-01/11/930 A | LMV | 2-22 | 3407 9503 | | 6.1 | 1/27/57-02/02/957 H | - | 3529 | 8627 |
| | 7.9 | 1/22/49-01/27/949 A | SW | 3-10 | 3552 9219 | | 3.9 | 1/21/20-01/24/920 A | OR | 6-23 | 3415 8900 |
| | 7.5 | 1/01/07-01/03/907 A | LMV | 1- 5 | 3422 9249 | | 3.5 (5000- 36) | 1/04/17-01/05/917 A | UMV | 3- 3 | 3840 8732 |
| 290 (1) | 8.3 | 2/23/75-02/25/875 H | - | 3533 | 8330 | 300 (1) | 4.8 | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 310 (2) | 6.2 (5000- 42) | 1/24/16-01/29/916 H | - | 3310 | 11641 | 320 (4) | 3.5 | 12/01/06-12/04/906 H | - | 7134 | 11019 |
| | 6.0 (5000- 42) | 2/04/37-02/08/937 H | - | 3300 | 11635 | | 3.2 | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| | | | | | | | 3.1 (5000- 42) | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | | 2.9 | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| 330 (0) | | | | | | 340 (1) | 5.0 (5000- 24) | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 350 (2) | 10.7 | 12/05/35-12/08/935 A | GH | 5- 4 | 2954 9537 | 360 (10) | 8.6 | 12/23/04-12/27/904 A | LMV | 3-10 | 3220 9252 |
| | 9.6 | 12/01/13-12/05/913 A | GH | 3-25 | 2952 9757 | | 8.5 | 1/11/27-02/14/927 A | LMV | 4- 6 | 3052 9100 |
| | | | | | | | 8.1 | 1/04/99-01/06/899 A | LMV | 3- 7 | 3238 9002 |
| | | | | | | | 7.6 | 2/27/34-03/04/934 A | LMV | 4-19 | 3050 9316 |
| | | | | | | | 7.4 | 12/01/97-12/04/897 A | LMV | 2- 3 | 3217 9011 |
| 370 (5) | 9.4 | 12/06/19-12/10/919 A | GH | 1-22 | 3225 8702 | 380 (4) | 9.7 | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| | 8.6 | 12/27/42-12/30/942 H | - | 3551 | 8620 | | 9.5 | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| | 8.4 | 1/16/43-01/19/943 A | SA | 3-24 | 3121 8632 | | 6.7 (5000- 30) | 12/23/41-12/24/941 H | - | 3212 | 8329 |
| | 6.6 | 2/01/36-02/05/936 H | - | 3221 | 8840 | | 6.4 | 2/10/05-02/13/905 A | SA | 3- 9 | 3214 8425 |
| | 5.6 | 12/08/32-12/14/932 A | GH | 2-11 | 3246 8922 | | | | | | |
| 390 (0) | | | | | | 400 (0) | | | | | |

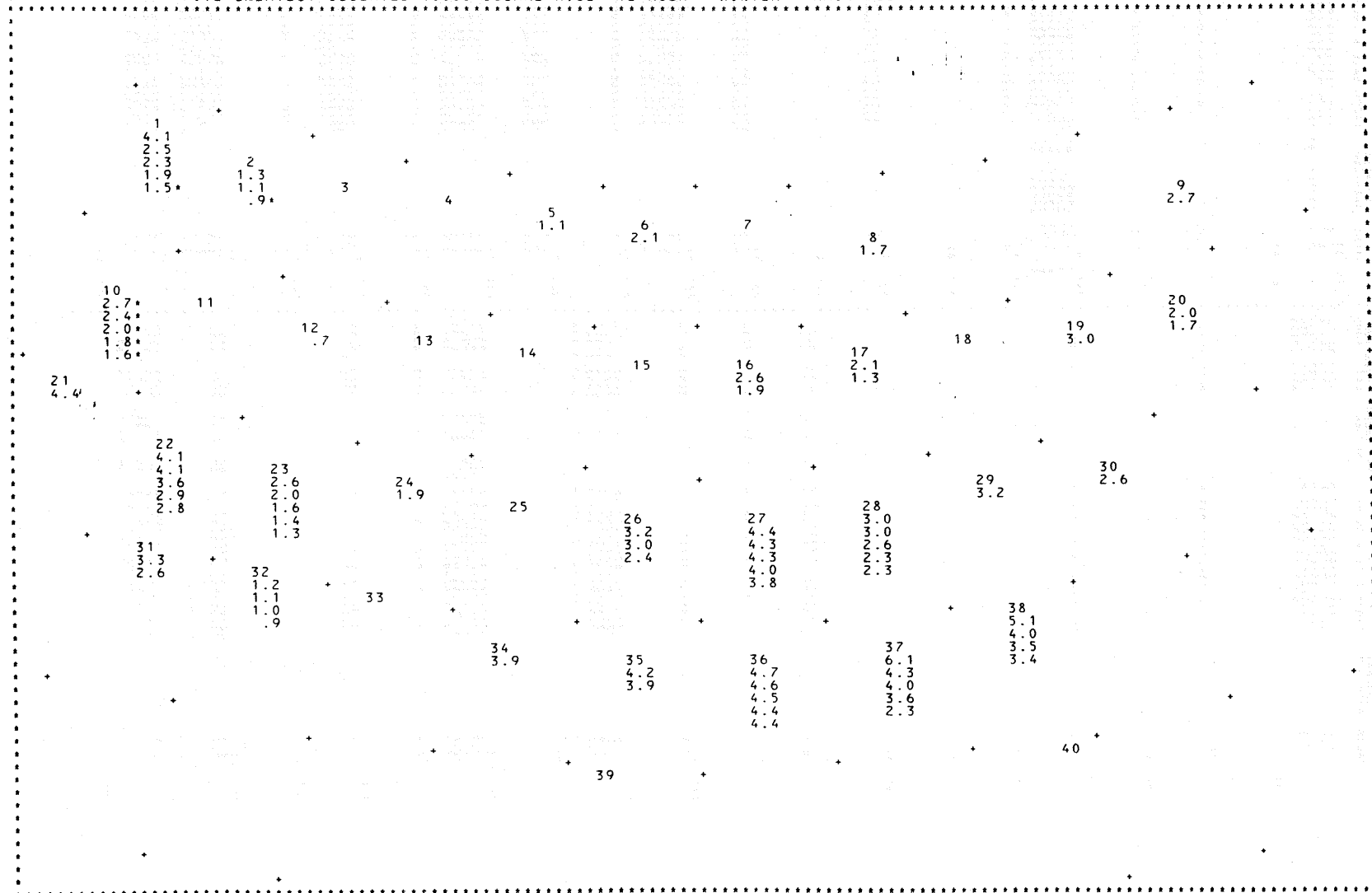
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 6 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|----------------------|----------------------|-------------------------------|----------------------|--------|----------------------|----------------------|-------------------------------|----------------------|--|--|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | | |
| 1(6) | 2.2 | 1/20/35-01/25/935 H | - | 4730 12330 | 2(3) | 0.8 | 12/17/33-12/19/933 H | - | 4721 11540 | | |
| | 1.5 | 12/08/33-12/12/933 H | - | 4729 12339 | | 0.7 | 1/21/35-01/24/935 H | - | 4720 11540 | | |
| | 1.4 | 1/20/35-01/25/935 H | - | 4700 12200 | | 0.5(11784- 6) | 12/18/33-12/23/933 H | - | 4729 11555 | | |
| | 1.4 | 2/23/32-02/27/932 H | - | 4804 12134 | | | | | | | |
| | 1.2 | 12/16/17-12/19/917 H | - | 4548 12156 | | | | | | | |
| 3(0) | | | | | 4(0) | | | | | | |
| 5(1) | 0.7 | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) | 1.2 | 1/09/39-01/10/939 H | - | 4429 9857 | | |
| 7(0) | | | | | 8(1) | 0.9 | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 | | |
| 9(1) | 1.6 | 12/25/69-12/28/969 H | - | 4416 7118 | 10(6) | B 1.4(25055- 6) | 12/29/13-01/02/914 H | - | 4000 12200 | | |
| | | | | | | B 1.3(25055- 6) | 12/09/37-12/12/937 H | - | 4000 12200 | | |
| | | | | | | B 1.1(25055- 6) | 12/09/29-12/13/929 H | - | 4000 12200 | | |
| | | | | | | B 1.1(25055- 6) | 2/25/40-02/29/940 H | - | 4000 12200 | | |
| | | | | | | B 0.9(25055- 6) | 1/12/06-01/19/906 H | - | 4000 12200 | | |
| 11(0) | | | | | 12(1) | 0.4 | 2/19/36-02/24/936 H | - | 4036 11136 | | |
| 13(0) | | | | | 14(0) | | | | | | |
| 15(0) | | | | | 16(2) | 1.6 | 1/23/38-01/25/938 H | - | 4037 9004 | | |
| | | | | | | 1.0 | 1/11/60-01/15/960 H | - | 4225 9026 | | |
| 17(2) | 1.4 | 12/20/49-12/21/949 H | GL - | 4027 8824 | 18(0) | | | | | | |
| | 0.9 | 12/16/95-12/21/895 A | GL 2- 8 | 4157 8538 | | | | | | | |
| 19(1) | 2.2 | 2/02/83-02/18/883 A | DR 5-11 | 4142 7716 | 20(2) | 1.6 | 12/19/36-12/21/936 A | HA 1-30 | 4144 7134 | | |
| | | | | | | 0.9 | 12/28/42-12/31/942 H | - | 4250 7438 | | |
| 21(1) | 2.5 | 12/09/37-12/12/937 H | - | 3851 12243 | 22(9) | 2.4 | 1/19/43-01/24/943 H | - | 3413 11802 | | |
| | | | | | | 2.1 | 2/26/38-03/04/938 H | - | 3414 11711 | | |
| | | | | | | 2.1 | 2/10/27-02/22/927 H | - | 3404 11650 | | |
| | | | | | | 1.9 | 1/14/16-01/19/916 H | - | 3415 11716 | | |
| | | | | | | 1.4 | 2/17/14-02/22/914 H | - | 3418 11807 | | |
| 23(6) | 1.4 | 2/26/38-03/04/938 H | - | 3457 11144 | 24(1) | 1.1 | 12/14/08-12/17/908 H | - | 3730 10830 | | |
| | 1.2 | 12/14/08-12/17/908 H | - | 3422 11125 | | | | | | | |
| | 0.9 | 2/10/27-02/22/927 H | - | 3419 11127 | | | | | | | |
| | 0.8 | 2/04/37-02/08/937 H | - | 3458 11145 | | | | | | | |
| | 0.8 | 1/25/16-01/30/916 H | - | 3442 11214 | | | | | | | |
| 25(0) | | | | | 26(3) | 2.5 | 2/14/38-02/19/938 A | SW 2-17 | 3456 9615 | | |
| | | | | | | 2.3 | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 | | |
| | | | | | | 1.8 | 2/16/11-02/18/911 H | - | 3627 9923 | | |
| 27(11) | 2.9 | 12/12/27-12/13/927 A | LMV 1-16 | 3529 9350 | 28(7) | 2.1 | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 | | |
| | 2.9 | 1/22/49-01/27/949 A | SW 3-10 | 3552 9219 | | 2.0 | 12/04/24-12/08/924 A | OR 4-18 | 3713 8615 | | |
| | 2.8 | 12/26/42-12/28/942 A | UMV 3-22 | 3738 9133 | | 1.8 | 12/07/16-12/08/916 A | UMV 3- 2 | 3754 8950 | | |
| | 2.8 | 12/31/96-01/03/897 A | UMV 2- 1 | 3412 9200 | | 1.8 | 1/04/17-01/05/917 A | UMV 3- 3 | 3840 8732 | | |
| | 2.6 | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 9249 | | 1.5 | 12/27/22-12/27/922 A | UMV 3-10 | 3800 8855 | | |
| 29(1) | 2.4 | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) | 1.8 | 2/03/20-02/06/920 H | - | 3701 7639 | | |
| 31(2) | 1.9 | 2/04/37-02/08/937 H | - | 3300 11635 | 32(4) | 0.8 | 2/01/05-02/07/905 H | - | 3321 11101 | | |
| | 1.6 | 1/24/16-01/29/916 H | - | 3310 11641 | | 0.7 | 12/01/06-12/04/906 H | - | 3134 11019 | | |
| | | | | | | 0.7 | 12/17/14-12/24/914 H | - | 3323 11100 | | |
| | | | | | | 0.7 | 1/14/16-01/20/916 H | - | 3355 11120 | | |
| 33(0) | | | | | 34(1) | 2.8 | 12/08/11-12/10/911 H | - | 3117 10038 | | |
| 35(2) | 2.5 | 12/05/35-12/08/935 A | GH 5- 4 | 2954 9537 | 36(8) | 3.8 | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 9100 | | |
| | 2.3 | 12/01/13-12/05/913 A | GH 3-25 | 2952 9757 | | 3.8 | 2/27/34-03/04/934 A | LMV 4-19 | 3050 9316 | | |
| | | | | | | 2.7 | 12/08/09-12/11/899 A | LMV 2- 4 | 3158 9059 | | |
| | | | | | | 2.7 | 1/11/32-01/13/932 A | LMV 4-16 | 3152 9217 | | |
| | | | | | | 2.6 | 12/23/04-12/27/904 A | LMV 3-10 | 3220 9252 | | |
| 37(5) | 3.8 | 12/27/42-12/30/942 H | - | 3351 8620 | 38(4) | 2.9 | 12/03/64-12/05/964 H | - | 3107 8325 | | |
| | 2.5 | 12/06/19-12/10/919 A | GM 1-22 | 3225 8702 | | 2.7 | 1/31/20-02/02/920 H | - | 2951 8120 | | |
| | 2.5 | 1/16/43-01/19/943 A | SA 3-24 | 3121 8632 | | 2.2 | 12/23/41-12/24/941 H | - | 3212 8329 | | |
| | 2.4 | 2/01/36-02/05/936 H | - | 3221 8840 | | 1.9 | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 | | |
| | 1.7 | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | | | |
| 39(0) | | | | | 40(0) | | | | | | |

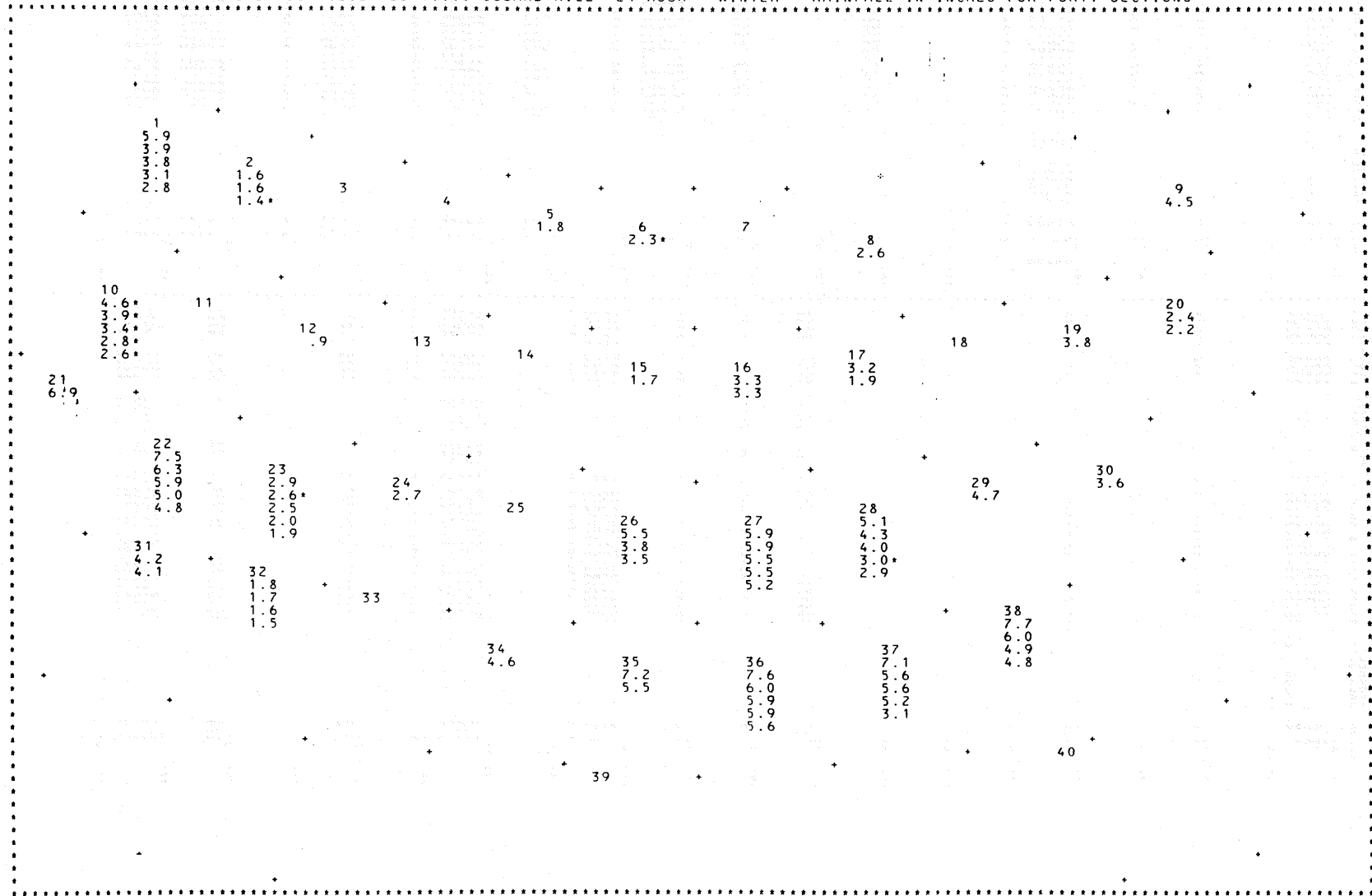
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 12 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|----------------------|----------------------|-------------------------------|-----------------|-----------|-------------------|----------------------|----------------------|-------------------------------|-----------------|-----------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(6) | | | | | | 2(3) | | | | | |
| 4.1 | | 1/20/35-01/25/935 H | - | 4730 | 12330 | 1.3 | | 12/17/33-12/19/933 H | - | 4721 | 11540 |
| 2.3 | | 1/20/35-01/25/935 H | - | 4700 | 12200 | 1.1 | | 1/21/35-01/24/935 H | - | 4720 | 11540 |
| 1.9 | | 2/23/32-02/27/932 H | - | 4804 | 12134 | 0.9(11784- 12) | | 12/18/33-12/23/933 H | - | 4729 | 11555 |
| 1.5(10000- 6) | | 12/16/17-12/19/917 H | - | 4548 | 12156 | | | | | | |
| | | 12/08/33-12/12/933 H | - | 4729 | 12339 | | | | | | |
| 3(0) | | | | | | 4(0) | | | | | |
| 5(1) | | | | | | 6(1) | | | | | |
| 1.1 | | 2/12/15-02/14/915 H | - | 4442 | 10004 | 2.1 | | 1/09/39-01/10/939 H | - | 4429 | 9857 |
| 7(0) | | | | | | 8(1) | | | | | |
| | | | | | | 1.7 | | 2/19/22-02/23/922 A | GL | 4-17 | 4419 8417 |
| 9(1) | | | | | | 10(6) | | | | | |
| 2.7 | | 12/25/69-12/28/969 H | - | 4416 | 7118 | B 2.7(25055- 12) | | 12/29/13-01/02/914 H | - | 4000 | 12200 |
| | | | | | | B 2.4(25055- 12) | | 12/09/37-12/12/937 H | - | 4000 | 12200 |
| | | | | | | B 2.0(25055- 12) | | 2/25/40-02/29/940 H | - | 4000 | 12200 |
| | | | | | | B 1.8(25055- 12) | | 1/12/06-01/19/906 H | - | 4000 | 12200 |
| | | | | | | B 1.6(25055- 12) | | 12/09/29-12/13/929 H | - | 4000 | 12200 |
| 11(0) | | | | | | 12(1) | | | | | |
| | | | | | | 0.7 | | 2/19/36-02/24/936 H | - | 4036 | 11136 |
| 13(0) | | | | | | 14(0) | | | | | |
| 15(0) | | | | | | 16(2) | | | | | |
| | | | | | | 2.6 | | 1/23/38-01/25/938 H | - | 4037 | 9004 |
| | | | | | | 1.9 | | 1/11/60-01/15/960 H | - | 4225 | 9026 |
| 17(2) | | | | | | 18(0) | | | | | |
| 2.1 | | 12/20/49-12/21/949 H | - | 4027 | 8824 | | | | | | |
| 1.3 | | 12/16/95-12/21/895 A | GL | 2- 8 | 4157 8538 | | | | | | |
| 19(1) | | | | | | 20(2) | | | | | |
| 3.0 | | 2/02/83-02/18/883 A | OR | 5-11 | 4142 7716 | 2.0 | | 12/19/36-12/21/936 A | NA | 1-30 | 4144 7134 |
| | | | | | | 1.7 | | 12/28/42-12/31/942 H | - | 4250 | 7438 |
| 21(1) | | | | | | 22(9) | | | | | |
| 4.4 | | 12/09/37-12/12/937 H | - | 3851 | 12243 | 4.1 | | 2/26/38-03/04/938 H | - | 3414 | 11711 |
| | | | | | | 4.1 | | 1/19/43-01/24/943 H | - | 3413 | 11802 |
| | | | | | | 3.8 | | 2/10/27-02/22/927 H | - | 3404 | 11650 |
| | | | | | | 2.9 | | 12/29/33-01/01/934 H | - | 3413 | 11801 |
| | | | | | | 2.8 | | 1/14/16-01/19/916 H | - | 3415 | 11716 |
| 23(6) | | | | | | 24(1) | | | | | |
| 2.6 | | 2/26/38-03/04/938 H | - | 3457 | 11144 | 1.9 | | 12/14/08-12/17/908 H | - | 3730 | 10830 |
| 2.0 | | 12/14/08-12/17/908 H | - | 3422 | 11125 | | | | | | |
| 1.6 | | 2/04/37-02/08/937 H | - | 3458 | 11145 | | | | | | |
| 1.4 | | 2/28/38-03/05/938 H | - | 3724 | 11230 | | | | | | |
| 1.3 | | 1/25/16-01/30/916 H | - | 3442 | 11214 | | | | | | |
| 25(0) | | | | | | 26(3) | | | | | |
| | | | | | | 3.2 | | 2/14/38-02/19/938 A | SW | 2-17 | 3456 9615 |
| | | | | | | 3.0 | | 12/21/32-12/24/932 A | SW | 2- 9 | 3430 9658 |
| | | | | | | 2.4 | | 2/16/11-02/18/911 H | - | 3627 | 9923 |
| 27(11) | | | | | | 28(7) | | | | | |
| 4.4 | | 12/12/27-12/13/927 A | LMV | 1-16 | 3529 9350 | 3.0 | | 12/04/24-12/08/924 A | OR | 4-18 | 3713 8615 |
| 4.3 | | 1/01/07-01/03/907 A | LMV | 1- 5 | 3422 9249 | 3.0 | | 1/05/37-01/25/937 A | OR | 5- 6 | 3607 8833 |
| 4.3 | | 1/22/49-01/27/949 A | SM | 3-10 | 3552 9219 | 2.6 | | 12/07/16-12/08/916 A | UMV | 3- 2 | 3754 8950 |
| 4.0 | | 12/26/42-12/28/942 A | UMV | 3-22 | 3738 9133 | 2.3 | | 1/04/17-01/05/917 A | UMV | 3- 3 | 3840 8732 |
| 3.8 | | 12/16/95-12/20/895 A | HR | 1- 1 | 3728 9247 | 2.3 | | 1/27/57-02/02/957 H | - | 3529 | 8627 |
| 29(1) | | | | | | 30(1) | | | | | |
| 3.2 | | 2/23/75-02/25/875 H | - | 3533 | 8330 | 2.6 | | 2/03/20-02/06/920 H | - | 3701 | 7639 |
| 31(2) | | | | | | 32(4) | | | | | |
| 3.3 | | 2/04/37-02/08/937 H | - | 3300 | 11635 | 1.2 | | 12/01/06-12/04/906 H | - | 3134 | 11019 |
| 2.6 | | 1/24/16-01/29/916 H | - | 3310 | 11641 | 1.1 | | 1/14/16-01/20/916 H | - | 3355 | 11120 |
| | | | | | | 1.0 | | 2/01/05-02/07/905 H | - | 3321 | 11101 |
| | | | | | | 0.9 | | 12/17/14-12/24/914 H | - | 3323 | 11100 |
| 33(0) | | | | | | 34(1) | | | | | |
| | | | | | | 3.9 | | 12/08/11-12/10/911 H | - | 3117 | 10038 |
| 35(2) | | | | | | 36(8) | | | | | |
| 4.2 | | 12/05/35-12/08/935 A | GM | 5- 4 | 2954 9537 | 4.7 | | 12/08/99-12/11/899 A | LMV | 2- 4 | 3158 9059 |
| 3.9 | | 12/01/13-12/05/913 A | GM | 3-25 | 2952 9757 | 4.6 | | 2/11/27-02/14/927 A | LMV | 4- 6 | 3052 9190 |
| | | | | | | 4.4 | | 12/23/04-12/27/904 A | LMV | 3-10 | 3220 9252 |
| | | | | | | 4.4 | | 1/11/32-01/13/932 A | LMV | 4-16 | 3152 9217 |
| | | | | | | 4.4 | | 2/27/34-03/04/934 A | LMV | 4-19 | 3050 9316 |
| 37(5) | | | | | | 38(4) | | | | | |
| 6.1 | | 12/27/42-12/30/942 H | - | 3351 | 8620 | 5.1 | | 12/03/64-12/05/964 H | - | 3107 | 8325 |
| 4.3 | | 1/16/43-01/19/943 A | SA | 3-24 | 3123 8632 | 4.0 | | 12/23/41-12/24/941 H | - | 3212 | 8326 |
| 4.0 | | 12/06/19-12/10/919 A | GM | 1-22 | 3255 8705 | 3.5 | | 1/10/05-02/13/905 A | SA | 3- 9 | 3214 8425 |
| 3.6 | | 1/01/36-02/05/936 H | - | 3221 | 8840 | 3.4 | | 1/31/20-02/02/920 H | - | 2951 | 8120 |
| 2.3 | | 1/02/32-12/14/932 A | GM | 2-11 | 3246 8922 | | | | | | |
| 39(0) | | | | | | 40(0) | | | | | |

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 24 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

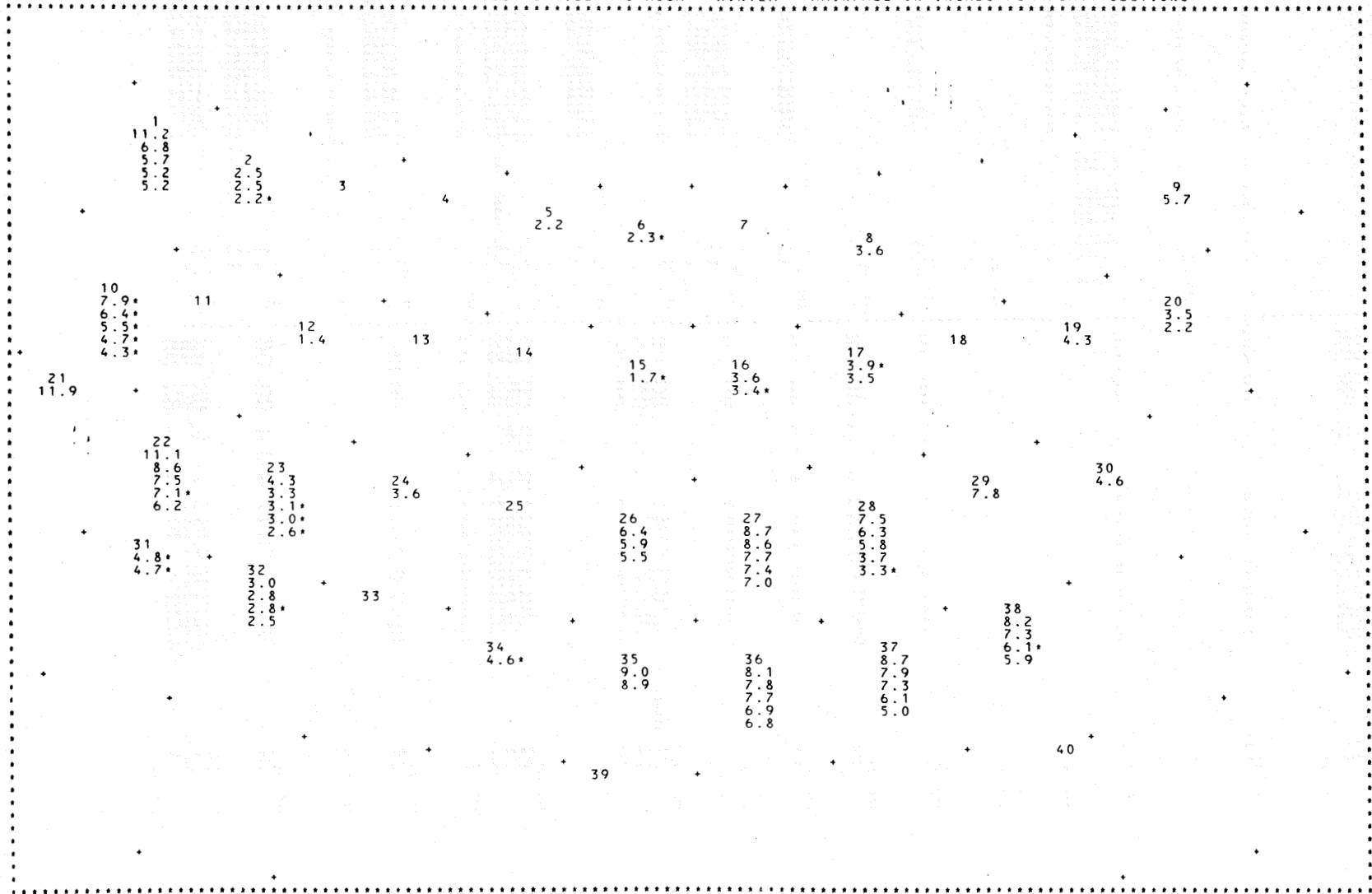


* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 24 HOUR WINTER RAINFALL IN INCHES FOR POINT SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|--|-------------------|--|--|--|---|-------------------|--|-----------------------------|--|
| 1(6) 3.9 4.9 4.8 4.1 2.8 | | 1/20/35-01/25/935 H 1/20/35-01/25/935 H 2/23/32-02/27/932 H 12/16/17-12/19/917 H 2/23/32-02/27/932 H | - - - - - | 4730 12330 4700 12200 4804 12134 4548 12156 4730 12330 | 2(3) 1.6 1.6 1.4 1.4 | | 12/17/33-12/19/933 H 1/21/35-01/24/935 H 12/18/33-12/23/933 H | - - - | 4721 11540 4720 11540 4729 11555 |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) 1.8 | | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) 2.3(10000- 18) | | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) 2.6 | | 2/19/22-02/23/922 A | GL | 4-17 4419 8417 |
| 9(1) 4.5 | | 12/25/69-12/28/969 H | - | 4416 7118 | 10(6) 4.6(25055- 24) 3.9(25055- 24) 3.4(25055- 24) 2.8(25055- 24) 2.6(25055- 24) | | 12/09/37-12/12/937 H 12/29/13-01/02/914 H 2/25/40-02/29/940 H 1/12/06-01/19/906 H 12/09/29-12/13/929 H | - - - - - | 4000 12200 4000 12200 4000 12200 4000 12200 4000 12200 |
| 11(0) | | | | | 12(1) 0.9 | | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(0) | | | | | 14(0) | | | | |
| 15(1) 1.7 | | 12/30/31-12/30/931 H | - | 4133 9608 | 16(2) 3.3 3.3 | | 1/23/38-01/25/938 H 1/11/60-01/15/960 H | - - | 4037 9004 4225 9026 |
| 17(2) 3.2 1.9 | | 12/20/49-12/21/949 H 12/16/95-12/21/895 A | - GL 2- 8 | 4027 8824 4157 8538 | 18(0) | | | | |
| 19(1) 3.8 | | 2/02/83-02/18/883 A | OR 5-11 | 4142 7716 | 20(2) 2.4 2.2 | | 12/28/42-12/31/942 H 12/19/36-12/21/936 A | - NA | 4250 7438 4144 7134 |
| 21(1) 6.9 | | 12/09/37-12/12/937 H | - | 3851 12243 | 22(9) 7.5 6.3 5.9 5.0 4.8 | | 1/19/43-01/24/943 H 2/10/27-02/22/927 H 2/26/38-03/04/938 H 12/29/33-01/01/934 H 1/14/16-01/19/916 H | - - - - - | 3413 11802 3404 11650 3414 11711 3413 11801 3415 11716 |
| 23(6) 2.9 2.6(10000- 18) 2.0 1.9 | | 12/14/08-12/17/908 H 2/26/38-03/04/938 H 2/04/37-02/08/937 H 1/25/16-01/30/916 H 2/10/27-02/22/927 H | - - - - - | 3422 11125 3457 11144 3458 11145 3442 11214 3419 11127 | 24(1) 2.7 | | 12/14/08-12/17/908 H | - | 3730 10830 |
| 25(0) | | | | | 26(3) 5.5 3.8 3.5 | | 12/21/32-12/24/932 A 2/16/11-02/18/911 H 2/14/38-02/19/938 A | SW - SW | 2- 9 3430 9658 - 3627 9923 2-17 3456 9615 |
| 27(11) 5.9 5.9 5.5 5.2 | | 12/12/27-12/13/927 A 1/22/49-01/27/949 A 1/18/35-01/21/935 A 1/01/07-01/03/907 A 12/16/95-12/20/895 A | LMV 1-16 SW 3-10 LMV 1-19 LMV 1- 5 MR 1- 1 | 3529 9350 3552 9219 3450 9000 3422 9249 3728 9247 | 28(7) 5.1 4.3 4.0 3.0 2.9 | | 12/04/24-12/08/924 A 1/05/37-01/25/937 A 1/27/57-02/02/957 H 12/07/16-12/08/916 A 1/04/17-01/05/917 A | OR OR - UMV UMV | 4-18 3713 8615 5- 6 3607 8833 - 3529 8627 3- 2 3524 8950 3- 3 3840 8732 |
| 29(1) 4.7 | | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) 3.6 | | 2/03/20-02/06/920 H | - | 3701 7639 |
| 31(2) 4.2 4.1 | | 2/04/37-02/08/937 H 1/24/16-01/29/916 H | - - | 3300 11635 3310 11641 | 32(4) 1.8 1.7 1.6 1.5 | | 12/01/06-12/04/906 H 1/14/16-01/20/916 H 12/17/14-12/24/914 H 2/01/05-02/07/905 H | - - - - | 3134 11019 3355 11120 3323 11100 3321 11101 |
| 33(0) | | | | | 34(1) 4.6 | | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) 7.2 5.5 | | 12/05/35-12/08/935 A 12/01/13-12/05/913 A | GM 5- 4 GM 3-25 | 2954 9537 2952 9757 | 36(9) 7.6 6.0 5.9 5.9 5.6 | | 12/23/04-12/27/904 A 1/04/99-01/06/899 A 12/08/99-12/11/899 A 2/27/34-03/04/934 A 1/11/32-01/13/932 A | LMV A A A A | 3-10 3220 9252 3- 7 3238 9002 2- 4 3158 9059 4-19 3050 9316 4-16 3152 9217 |
| 37(5) 7.1 5.6 5.6 5.2 3.1 | | 12/27/42-12/30/942 H 12/06/19-12/10/919 A 1/16/43-01/19/943 A 2/01/36-02/05/936 H 12/08/32-12/14/932 A | - GM 1-22 SA 3-24 - GM 2-11 | 3351 8620 3225 8702 3121 8652 3221 8840 3246 8922 | 38(4) 7.7 6.0 4.9 4.8 | | 12/03/64-12/05/964 H 12/23/41-12/24/941 H 2/10/05-02/13/903 A 1/31/20-02/02/920 H | - - SA - | 3107 8325 3212 8329 3214 8425 2951 8120 |
| 39(0) | | | | | 40(0) | | | | |

FIVE GREATEST OBSERVED 10000 SQUARE MILE - 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

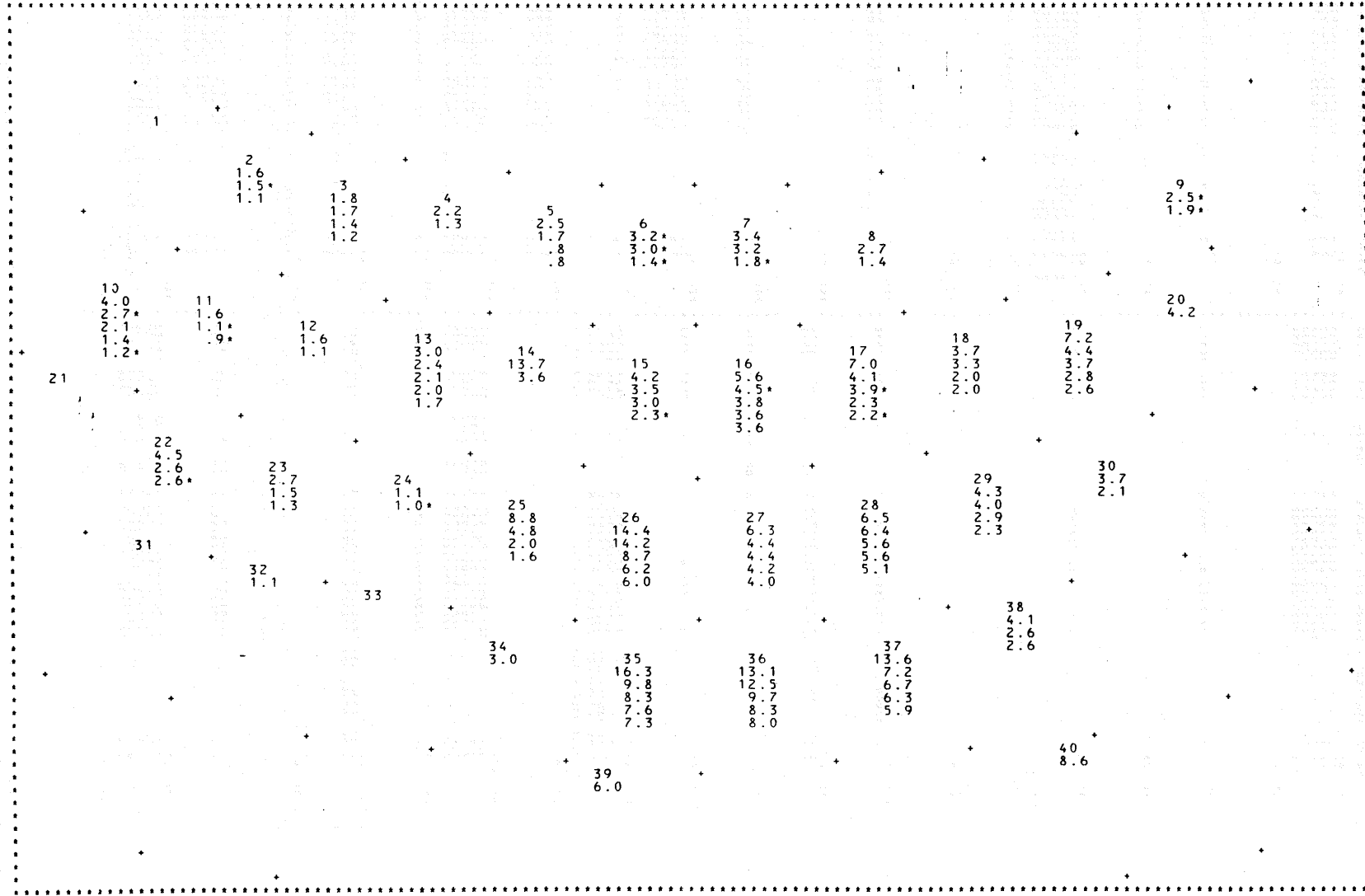


* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 48 HOUR WINTER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|----------------------|----------------------|-------------------------------|----------------------|-------------------|----------------------|----------------------|-------------------------------|----------------------|
| 11.2 | | 1/20/35-01/25/935 H | - | 4730 12330 | 2.2 | | 12/17/33-12/19/933 H | - | 4721 11540 |
| 6.2 | | 1/20/35-01/25/935 H | - | 4700 12200 | 2.2 | 11784- 48) | 1/21/33-01/24/935 H | - | 4750 11540 |
| 5.7 | | 12/16/17-12/19/917 H | - | 4548 12156 | 2.2 | | 12/18/33-12/23/933 H | - | 4729 11535 |
| 5.2 | | 2/23/32-02/27/932 H | - | 4730 12330 | | | | | |
| 5.2 | | 2/23/32-02/27/932 H | - | 4804 12134 | | | | | |
| 3(0) | | | | | 4(0) | | | | |
| 5(1) | 2.2 | 2/12/15-02/14/915 H | - | 4442 10004 | 6(1) | 2.3(10000- 18) | 1/09/39-01/10/939 H | - | 4429 9857 |
| 7(0) | | | | | 8(1) | 3.6 | 2/19/22-02/23/922 A | GL 4-17 | 4419 8417 |
| 9(1) | 5.7 | 12/25/69-12/28/969 H | - | 4416 7118 | 10(6) | 7.9(25055- 48) | 12/09/37-12/12/937 H | - | 4000 12200 |
| | | | | | B 6.4(25055- 48) | 2/25/40-02/29/940 H | - | 4000 12200 | |
| | | | | | B 5.5(25055- 48) | 12/29/13-01/02/914 H | - | 4000 12200 | |
| | | | | | B 4.7(25055- 48) | 1/12/09-01/16/905 H | - | 4000 12200 | |
| | | | | | B 4.3(25055- 48) | 1/12/06-01/19/906 H | - | 4000 12200 | |
| 11(0) | | | | | 12(1) | 1.4 | 2/19/36-02/24/936 H | - | 4036 11136 |
| 13(0) | | | | | 14(0) | | | | |
| 15(1) | 1.7(10000- 24) | 12/30/31-12/30/931 H | - | 4133 9608 | 16(2) | 3.6 | 1/11/60-01/15/960 H | - | 4225 9026 |
| | | | | | 3.4(10000- 30) | 1/23/38-01/25/938 H | - | 4037 9004 | |
| 17(2) | 3.9(10000- 36) | 12/20/49-12/21/949 H | GL 2- 8 | 4027 8824 | 18(0) | | | | |
| | 3.5 | 12/16/95-12/21/895 A | | 4157 8538 | | | | | |
| 19(1) | 4.3 | 2/02/83-02/18/883 A | OR 5-11 | 4142 7716 | 20(2) | 3.5 | 12/28/42-12/31/942 H | - | 4250 7438 |
| | | | | | 2.2 | 12/19/36-12/21/936 A | MA 1-30 | 4144 7134 | |
| 21(1) | 11.9 | 12/09/37-12/12/937 H | - | 3851 12243 | 22(9) | 11.1 | 1/19/43-01/24/943 H | - | 3413 11802 |
| | | | | | 5.6 | 2/10/27-02/22/927 H | - | 3404 11650 | |
| | | | | | 7.5 | 2/26/38-03/04/938 H | - | 3414 11711 | |
| | | | | | 7.1(10000- 42) | 1/14/16-01/19/916 H | - | 3415 11716 | |
| | | | | | 6.2 | 12/29/33-01/01/934 H | - | 3413 11801 | |
| 23(6) | 4.3 | 12/14/08-12/17/908 H | - | 3422 11125 | 24(1) | 3.6 | 12/14/08-12/17/908 H | - | 3730 10830 |
| | 3.1(10000- 42) | 2/10/27-02/22/927 H | - | 3419 11127 | | | | | |
| | 3.0(10000- 42) | 1/23/16-01/30/916 H | - | 3442 11214 | | | | | |
| | 2.6(10000- 18) | 2/04/37-02/08/937 H | - | 3458 11145 | | | | | |
| | | 2/26/38-03/04/938 H | - | 3457 11144 | | | | | |
| 25(0) | | | | | 26(3) | 6.4 | 12/21/32-12/24/932 A | SW 2- 9 | 3430 9658 |
| | | | | | 5.9 | 2/14/38-02/19/938 A | SW 2-17 | 3456 9615 | |
| | | | | | 5.5 | 2/16/11-02/18/911 H | - | 3627 9923 | |
| 27(11) | 8.7 | 12/16/95-12/20/895 A | MR 1- 1 | 3728 9247 | 28(7) | 7.5 | 1/05/37-01/25/937 A | OR 5- 6 | 3607 8833 |
| | 8.6 | 1/18/35-01/21/935 A | LMV 1-19 | 3450 9000 | 6.3 | 12/04/24-12/08/924 A | OR 4-18 | 3713 8615 | |
| | 7.7 | 1/06/30-01/11/930 A | LWV 2-22 | 3407 9303 | 5.8 | 1/27/57-02/02/957 H | - | 3529 8627 | |
| | 7.4 | 1/22/49-01/27/949 A | SW 3-10 | 3552 9219 | 3.7 | 1/21/20-01/24/920 A | OR 6-23 | 3415 9900 | |
| | 7.0 | 1/01/07-01/03/907 A | LMV 1- 5 | 3422 9249 | 3.3(10000- 36) | 1/04/17-01/05/917 A | URV 3- 3 | 3840 8732 | |
| 29(1) | 7.8 | 2/23/75-02/25/875 H | - | 3533 8330 | 30(1) | 4.6 | 2/03/20-02/06/920 H | - | 3701 7639 |
| 31(2) | 4.8(10000- 42) | 2/04/37-02/08/937 H | - | 3300 11635 | 32(4) | 3.0 | 12/01/06-12/04/906 H | - | 3134 11019 |
| | 4.7(10000- 42) | 1/24/16-01/29/916 H | - | 3310 11641 | 2.8 | 2/01/05-02/07/905 H | - | 3321 11101 | |
| | | | | | 2.8(10000- 42) | 1/14/16-01/20/916 H | - | 3355 11120 | |
| | | | | | 2.5 | 12/17/14-12/24/914 H | - | 3323 11100 | |
| 33(0) | | | | | 34(1) | 4.6(10000- 24) | 12/08/11-12/10/911 H | - | 3117 10038 |
| 35(2) | 9.0 | 12/01/13-12/05/913 A | GM 3-25 | 2952 9757 | 36(9) | 8.1 | 12/23/04-12/27/904 A | LMV 3-10 | 3220 9252 |
| | 8.9 | 12/05/35-12/08/935 A | GM 5- 4 | 2954 9537 | 7.8 | 2/11/27-02/14/927 A | LMV 4- 6 | 3052 9100 | |
| | | | | | 7.7 | 1/04/99-01/06/899 A | LMV 3- 7 | 3238 9002 | |
| | | | | | 6.9 | 12/01/97-12/04/897 A | LMV 2- 3 | 3217 9011 | |
| | | | | | 6.8 | 1/16/25-01/20/925 H | - | 3130 9030 | |
| 37(5) | 8.7 | 12/06/19-12/10/919 A | GM 1-22 | 3225 8702 | 38(4) | 8.2 | 12/03/64-12/05/964 H | - | 3107 8325 |
| | 7.9 | 12/27/42-12/30/942 H | - | 3351 8620 | 7.3 | 2/11/20-02/02/920 H | - | 2951 8120 | |
| | 7.3 | 1/16/43-01/19/943 A | SA 3-24 | 3121 8652 | 6.1(10000- 30) | 12/23/41-12/24/941 H | - | 3212 8329 | |
| | 6.1 | 2/01/36-02/05/936 H | - | 3221 8840 | 5.9 | 2/10/05-02/13/905 A | SA 3- 9 | 3214 8425 | |
| | 5.0 | 12/08/32-12/14/932 A | GM 2-11 | 3246 8922 | | | | | |
| 39(0) | | | | | 40(0) | | | | |

FIVE GREATEST OBSERVED 100 SQUARE MILE- 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

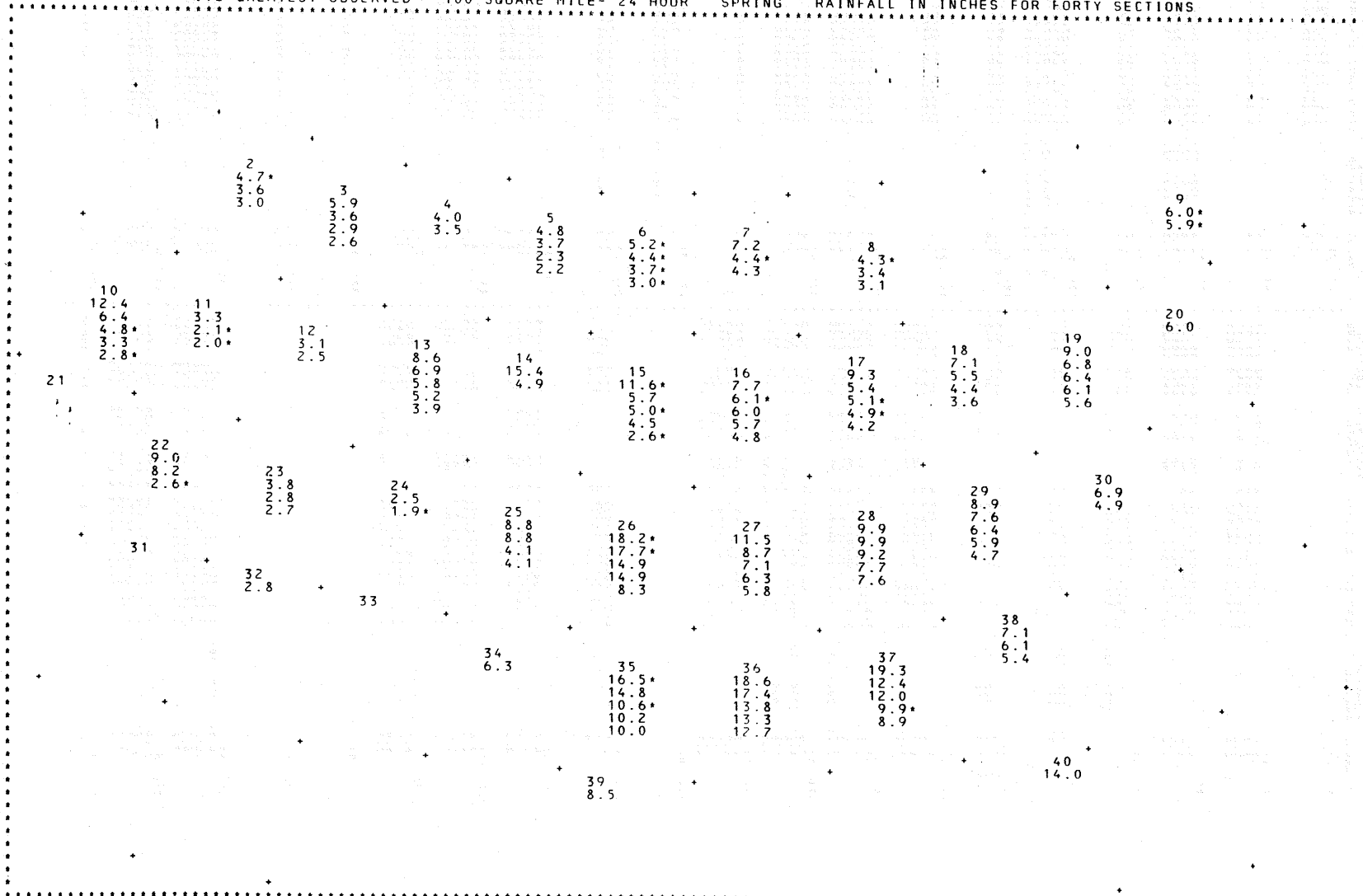


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 1.6 | 430- 6) | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 1.5 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 1.1 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(4) | | | | | 4(2) | | | | |
| 1.8 | | 3/30/31-04/02/931 H | - | 4630 11450 | 2.2 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 1.7 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 1.3 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 1.4 | | 3/15/32-03/19/932 R | - | 4410 11055 | | | | | |
| 1.2 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| 5(4) | | | | | 6(3) | | | | |
| 2.5 | | 3/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 3.2 | 2000- 6) | 4/25/54-04/27/954 H | - | 4535 9555 |
| 1.7 | | 5/25/29-05/30/929 A | MR 4-27 | 4457 10349 | 3.0 | 1000- 6) | 4/22/32-04/24/932 H | - | 4600 9252 |
| 0.8 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 1.4 | 200- 6) | 3/02/66-03/05/966 H | - | 4714 9835 |
| 0.8 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | | | | | |
| 7(3) | | | | | 8(2) | | | | |
| 3.4 | | 5/27/42-05/31/942 H | - | 4458 9306 | 2.7 | | 4/05/19-04/11/919 A | GL 2-19 | 4433 8752 |
| 3.2 | | 5/28/43-06/01/943 H | - | 4412 8915 | 1.4 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 1.8 | 1000- 6) | 5/18/60-05/21/960 H | - | 4435 9335 | | | | | |
| 9(2) | | | | | 10(6) | | | | |
| 2.5 | 200- 6) | 3/09/36-03/15/936 H | - | 4416 7115 | 2.0 | | 3/15/07-03/27/907 R | - | 3955 12125 |
| 1.9 | 200- 6) | 3/17/36-03/19/936 H | - | 4416 7115 | B 2.7 | 1903- 6) | 3/22/28-03/27/928 H | - | 3905 12130 |
| | | | | | 2.1 | | 5/09/15-05/11/915 R | - | 3945 12115 |
| | | | | | 1.4 | | 5/11/41-05/14/941 R | - | 3930 12100 |
| | | | | | B 1.2 | 25055- 6) | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(3) | | | | | 12(2) | | | | |
| 1.6 | | 4/05/25-04/06/925 R | - | 4145 11525 | B 1.6 | | 4/07/35-04/09/935 R | - | 4340 11410 |
| 1.1 | 200- 6) | 5/15/11-05/15/911 R | - | 4300 11645 | B 1.1 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 0.9 | 500- 6) | 3/25/40-04/01/940 R | - | 4305 11645 | | | | | |
| 13(8) | | | | | 14(2) | | | | |
| 3.0 | | 5/04/69-05/08/969 R | - | 4016 10525 | 13.7 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 2.4 | | 5/05/73-05/06/973 R | - | 3955 10506 | 3.6 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 2.1 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 2.0 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 1.7 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | | | | | |
| 15(4) | | | | | 16(8) | | | | |
| 4.2 | | 5/10/44-05/12/944 A | MR 6-13 | 4212 9732 | 5.6 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 3.5 | | 5/19/42-05/23/942 A | MR 2-19 | 3934 9507 | 4.5 | 100- 3) | 5/22/41-05/22/941 A | UNV 2-19 | 3948 9111 |
| 3.0 | | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9723 | 3.8 | | 5/02/19-05/06/919 A | MR 2-20 | 4014 9440 |
| 2.3 | 200- 6) | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 3.6 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| | | | | | 1.6 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 17(5) | | | | | 18(4) | | | | |
| 7.0 | | 5/26/56-05/28/956 H | - | 4020 8810 | 3.7 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.1 | | 5/17/27-05/19/927 A | UNV 4-12 | 4040 8941 | 3.3 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 3.9 | 1000- 6) | 4/04/47-04/05/947 H | UNV 4-16 | 4134 8805 | 2.0 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 2.3 | | 3/09/39-03/12/939 A | UNV 4-16 | 3929 8811 | 2.0 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 2.2 | 1000- 6) | 3/24/54-03/25/954 H | - | 4123 8928 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 7.2 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 4.2 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 4.4 | | 5/19/42-05/23/942 A | NA 2- 5 | 4048 7608 | | | | | |
| 3.7 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 7752 | | | | | |
| 2.8 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 2.6 | | 5/20/19-05/23/919 H | - | 4050 7742 | | | | | |
| 21(0) | | | | | 22(3) | | | | |
| | | | | | 4.5 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 2.6 | 100- 3) | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 2.6 | | 3/05/43-03/05/943 H | - | 3410 11803 |
| 23(3) | | | | | 24(2) | | | | |
| 2.7 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.1 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 1.5 | | 3/12/05-03/20/905 H | - | 3419 11247 | B 1.0 | 440- 6) | 3/04/18-03/09/918 R | - | 3845 10630 |
| 1.3 | | 4/09/05-04/13/905 H | - | 3414 11247 | | | | | |
| 25(4) | | | | | 26(10) | | | | |
| 8.8 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 14.4 | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 2.8 | | 4/29/16-05/02/947 A | SW 1-16 | 3620 10306 | 14.2 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 2.0 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 8.7 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 1.6 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 6.2 | | 5/30/06-06/01/906 A | MR 1-20 | 3750 9541 |
| | | | | | 6.0 | | 4/07/27-04/09/927 A | MR 3-11 | 3740 9529 |
| 27(12) | | | | | 28(7) | | | | |
| 6.3 | | 4/17/27-04/21/927 A | SW 2- 4 | 3441 9305 | 6.5 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 4.4 | | 4/06/22-04/11/922 A | MR 2-28 | 3815 9321 | 6.4 | | 5/21/57-05/23/957 H | - | 3744 8832 |
| 4.4 | | 4/12/11-04/15/911 A | MR 1- 8 | 3433 9237 | 5.6 | | 3/25/02-03/29/902 A | LHV 2- 7 | 3442 8852 |
| 4.2 | | 5/09/18-05/13/918 A | SM 1-11 | 3620 9230 | 5.0 | | 3/15/19-03/17/919 A | LHV 1-12 | 3525 8839 |
| 4.0 | | 5/25/93-05/29/933 A | SM 1- 1 | 3444 9049 | 5.1 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 29(4) | | | | | 30(2) | | | | |
| 4.3 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 3.7 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 2.0 | | 3/11/63-05/12/963 H | - | 4048 8342 | 2.1 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 2.9 | | 3/26/86-04/01/886 H | - | 3522 8247 | | | | | |
| 2.3 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.1 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 3.0 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 16.3 | | 5/31/35-05/31/935 H | - | 2920 9928 | 13.1 | | 5/16/35-05/20/935 A | LHV 4-21 | 3059 9148 |
| 9.8 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 12.5 | | 4/12/27-04/16/927 A | LHV 4- 8 | 2940 9005 |
| 8.3 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | 9.7 | | 5/02/35-05/07/935 A | LHV 4-20 | 3041 9144 |
| 7.6 | | 5/18/49-05/17/949 R | - | 3249 9721 | 8.3 | | 5/11/53-05/19/953 A | LHV 5- 6 | 3146 9149 |
| 7.3 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 9742 | 8.0 | | 3/24/14-03/28/914 A | LHV 3-19 | 3046 9332 |
| 37(8) | | | | | 38(3) | | | | |
| 13.6 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 4.1 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 7.2 | | 4/12/12-04/17/912 A | LHV 2-11 | 3023 8945 | 2.6 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 6.7 | | 4/15/00-04/18/900 A | LHV 1- 5 | 3247 8750 | 2.6 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 6.3 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 5.9 | | 5/24/09-05/28/909 A | LHV 2- 9 | 3239 8953 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 6.0 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 8.6 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED | | | | | 100 SQUARE MILE - 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | |
|--|----------------------|---|--|--|--|----------------------|---|--|--|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | 430- 12) | 3/24/35-03/26/935 H 3/30/31-04/02/931 H 5/26/06-05/30/906 H | - | 4723 11524 4601 11807 4548 11824 |
| 3(4) | | 5/11/06-05/13/900 A 3/31/31-04/02/931 H 5/19/02-05/20/902 A 3/15/32-03/19/932 R | MR 5-11 - MR 5-12 - | 4638 11142 4630 11450 4830 11245 4410 11055 | 4(2) | | 5/17/38-05/20/938 A 4/22/00-04/24/900 A | MR 5- 6 MR 5-10 | 4550 10957 4550 10957 |
| B 2.0 | | | | | 6(4) | 1000- 12) | 4/22/32-04/24/932 H 4/25/54-04/27/954 H 3/29/33-03/30/933 H 3/02/66-03/05/966 H | - - - - | 4600 9852 4535 9555 4658 9503 4714 9835 |
| 5(4) | | 5/09/20-05/12/920 A 5/25/29-05/30/929 A 4/11/12-04/14/912 A 3/13/43-03/17/943 A | MR 4-17 MR 4-27 MR 5-19 MR 6-11 | 4437 10324 4657 10349 4748 10328 4853 10423 | 8(2) | | 4/05/19-04/11/919 A 4/27/09-05/02/909 H | GL 2-19 - | 4453 8752 4437 8447 |
| 7(3) | 1000- 12) | 5/27/42-05/31/942 H 5/28/43-06/01/943 H 5/18/60-05/21/960 H | - - - | 4458 9306 4412 9015 4435 9335 | 10(6) | | 3/15/07-03/27/907 R 5/09/15-05/11/915 R 3/22/28-03/27/928 H 3/11/41-03/14/941 R 3/16/07-03/19/907 H | - - - - - | 3955 12125 3945 12115 3905 12130 3930 12100 4000 12200 |
| 9(2) | 200- 12) | 3/29/36-03/15/936 H 3/17/36-03/19/936 H | - - | 4416 7115 4416 7115 | 12(2) | | 4/07/35-04/09/935 R 5/31/43-06/05/943 R | - - | 4340 11410 4036 11135 |
| 11(3) | 200- 12) | 4/25/25-04/06/925 R 5/15/11-05/15/911 R 3/25/40-04/01/940 R | - - - | 4145 11525 4300 11645 4305 11645 | 14(2) | | 5/30/35-05/31/935 A 5/05/27-05/09/927 A | MR 3-28A MR 4-25 | 3915 10432 4350 10116 |
| B 2.0 | 500- 12) | | | | 16(8) | | 5/28/41-05/31/941 H 5/25/15-05/29/915 A 5/22/61-05/22/941 A 5/29/29-06/03/929 A 5/02/19-05/04/919 A | MR 2- 7 UMV 2-10 MR 3-25 MR 2-20 | 4313 9147 3911 9357 3948 9111 4015 9402 4014 9440 |
| 13(8) | | 5/24/69-05/08/969 R 5/25/73-05/06/973 R 4/22/71-04/16/921 A 5/22/94-05/31/894 A 5/27/04-05/03/904 A | - - MR 4-19 MR 6-14 MR 4- 6 | 4016 10525 3955 10506 4043 10543 4004 10532 4059 10511 | 18(4) | | 3/23/13-03/27/913 A 5/19/12-05/22/912 A 3/13/15-03/14/918 A 5/10/14-05/12/914 A | OR 1-15 GL 3- 1 GL 2-17 GL 2-15 | 4022 8346 4359 8429 4217 8456 4154 8401 |
| 15(5) | 200- 12) | 5/08/50-05/08/950 H 3/17/19-03/16/919 A 4/21/47-04/01/947 A 4/21/44-05/12/944 A 5/25/47-05/30/947 A | - MR 2-19 MR 8- 8 MR 6-13 MR 8- 6 | 4036 9628 3934 9507 4134 8805 4212 9732 4101 9553 | 20(1) | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 17(5) | 1000- 12) | 5/26/56-05/28/956 H 4/04/47-04/05/947 H 3/24/54-03/25/954 A 3/29/39-03/12/939 A | - UMV 4-12 UMV 4-16 | 4020 8810 4134 8805 4123 8928 3929 8811 | 22(3) | 100- 3) | 3/11/05-03/17/905 H 4/04/26-04/09/926 H 3/03/43-03/05/943 H | - - - | 3418 11806 3413 11803 3410 11803 |
| 19(8) | | 5/21/89-06/01/889 A 5/19/42-05/23/942 A 5/19/84-05/22/894 A 5/14/37-04/28/937 A 5/16/16-05/19/916 A | SA 1- 1 NA 2- 5 NA 1- 4 SA 5-13 GL 1-15 | 4145 7717 4048 7608 3926 7514 3940 7754 4252 7752 | 24(2) | 440- 12) | 4/19/33-04/22/933 R 3/04/18-03/09/918 R | - - | 3808 10528 3845 10630 |
| 21(0) | | | | | 26(10) | | 4/03/34-04/04/934 A 5/12/43-05/20/943 A 5/06/43-05/12/943 A 4/07/27-04/09/927 A 5/30/06-06/01/906 A | SW 2-11 SW 2-21 SW 2-20 MR 3-11 MR 1-20 | 3537 9940 3532 9604 3529 9518 3740 9529 3750 9541 |
| 23(3) | | 4/05/26-04/10/926 H 3/12/05-03/20/945 H 4/29/05-04/13/905 H | - - - | 3451 11200 3419 11125 3414 11247 | 28(7) | | 3/21/29-03/23/929 A 3/25/02-03/29/902 A 3/11/15-03/17/919 A 5/21/57-05/23/957 H 3/11/63-03/12/963 H | OR 7-15 LHV 2- 7 LHV 1-12 - - | 3548 8538 3442 8857 3525 8839 3744 8832 3507 8522 |
| 25(4) | | 5/32/38-05/31/938 A 4/29/14-05/02/914 A 5/26/17-05/30/937 A 5/26/42-04/21/942 A | MR 3-29 SW 1-16 GH 5-17 SW 3- 6 | 3854 10145 3620 10306 3449 10344 3655 10258 | 30(2) | | 5/18/01-05/22/901 A 5/07/24-05/12/924 A | SA 2- 4 SA 1-24 | 3432 7900 3802 7830 |
| 27(12) | | 4/17/27-04/21/927 A 5/25/93-05/29/893 A 5/11/15-05/13/918 A 5/11/17-04/02/917 A 5/12/11-04/15/911 A | SW 2- 4 SW 1- 1 LHV 1- 1 UMV 3- 4 LHV 1- 8 | 3441 9305 3447 9049 3620 9230 3549 9341 3433 9237 | 32(1) | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 29(4) | | 5/14/12-03/15/912 A 5/25/86-04/01/886 H 5/11/65-03/12/963 H 5/11/18-03/15/918 A | SA 2- 7 - - OR 3-10 | 3519 8059 3522 8247 3468 8542 3815 8034 | 34(1) | | 5/20/41-05/25/941 A | GH 5-18 | 3307 10312 |
| 31(0) | | | | | 36(20) | | 4/12/27-04/16/927 A 5/16/35-05/20/935 A 4/23/53-05/04/953 A 5/02/35-05/07/935 A 3/24/14-03/28/914 A | LHV 4- 8 LHV 4-21 LHV 5- 3 LHV 4-20 LHV 3-19 | 2940 9005 3059 9148 3104 9312 3041 9144 3046 9332 |
| 33(0) | 100- 10) | 5/31/35-05/31/935 H 5/25/29-05/30/929 A 4/16/49-05/17/949 R 3/28/45-04/02/945 A 4/22/15-04/26/915 A | GH 4-26 - - SW 3- 5 GH 4- 1 | 2920 9928 3012 9815 3249 9721 3220 9545 3018 9742 | 38(3) | | 5/21/06-05/26/906 A 4/05/36-04/10/936 A 3/03/29-03/05/929 A | SA 4- 9 SA 3-21A SA 3-19 | 3005 8151 3344 8244 3233 8414 |
| 35(9) | | 5/11/29-03/16/929 A 4/11/00-04/18/900 A 4/27/74-04/14/974 H 4/11/38-04/09/938 A 5/24/09-05/28/909 A | LHV 2-20 - - GH 2-25 LHV 2- 9 | 3125 8604 3247 8750 3155 8942 3208 8802 3239 8953 | 40(1) | | 4/14/42-04/17/947 A | SA 5- 7 | 2638 8008 |
| 37(8) | | | | | | | | | |
| 39(1) | | 5/27/25-05/29/925 A | GH 4-21 | 2843 10030 | | | | | |

FIVE GREATEST OBSERVED 100 SQUARE MILE- 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

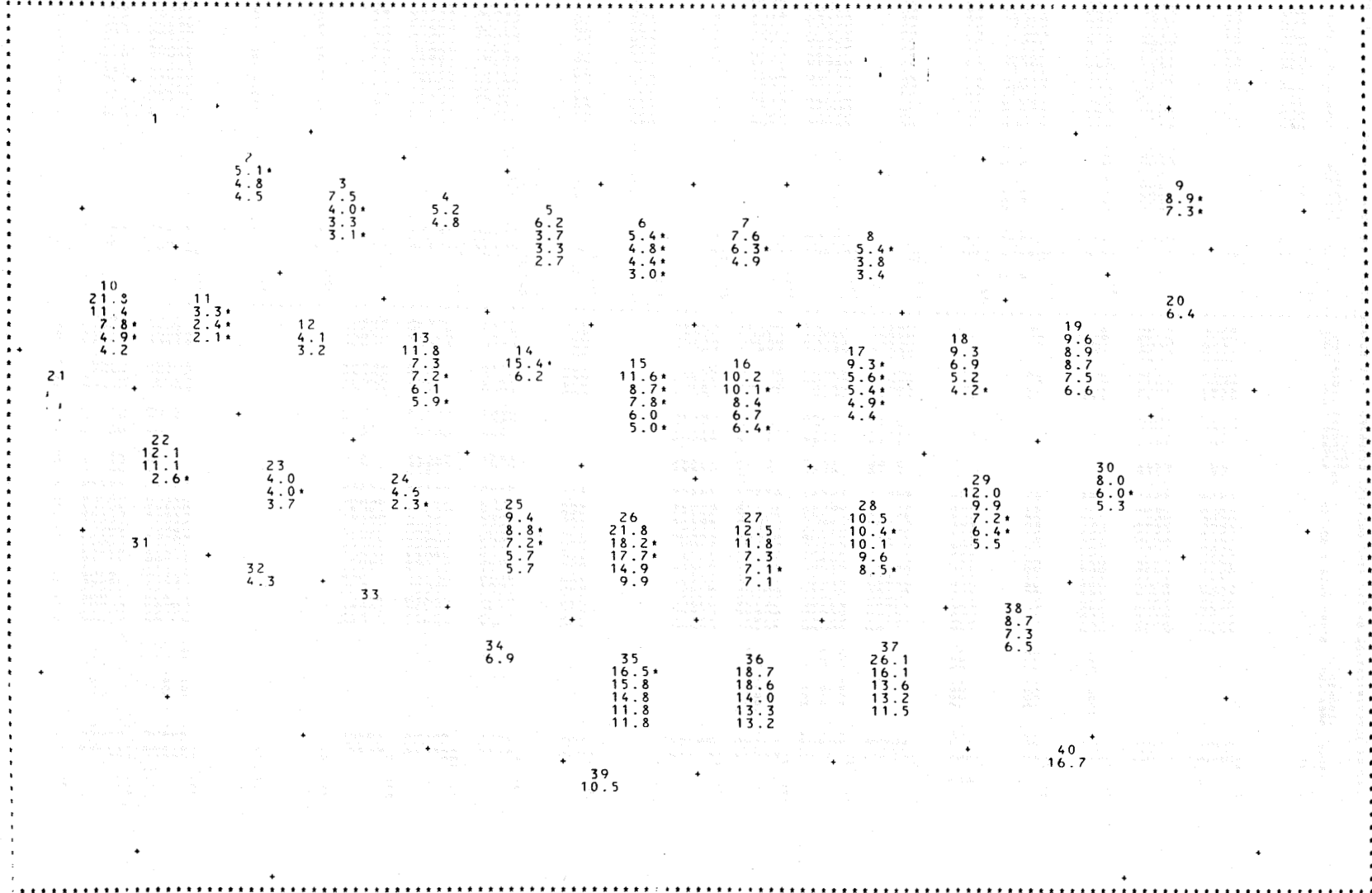


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

Table with columns: VALUE, COMMENT AREA/DUR, STORM DATE & SOURCE, CORPS ASSIGNMENT NUMBER, LOCATION LAT LONG, VALUE, COMMENT AREA/DUR, STORM DATE & SOURCE, CORPS ASSIGNMENT NUMBER, LOCATION LAT LONG. Rows 1-40 contain storm data for various sections.

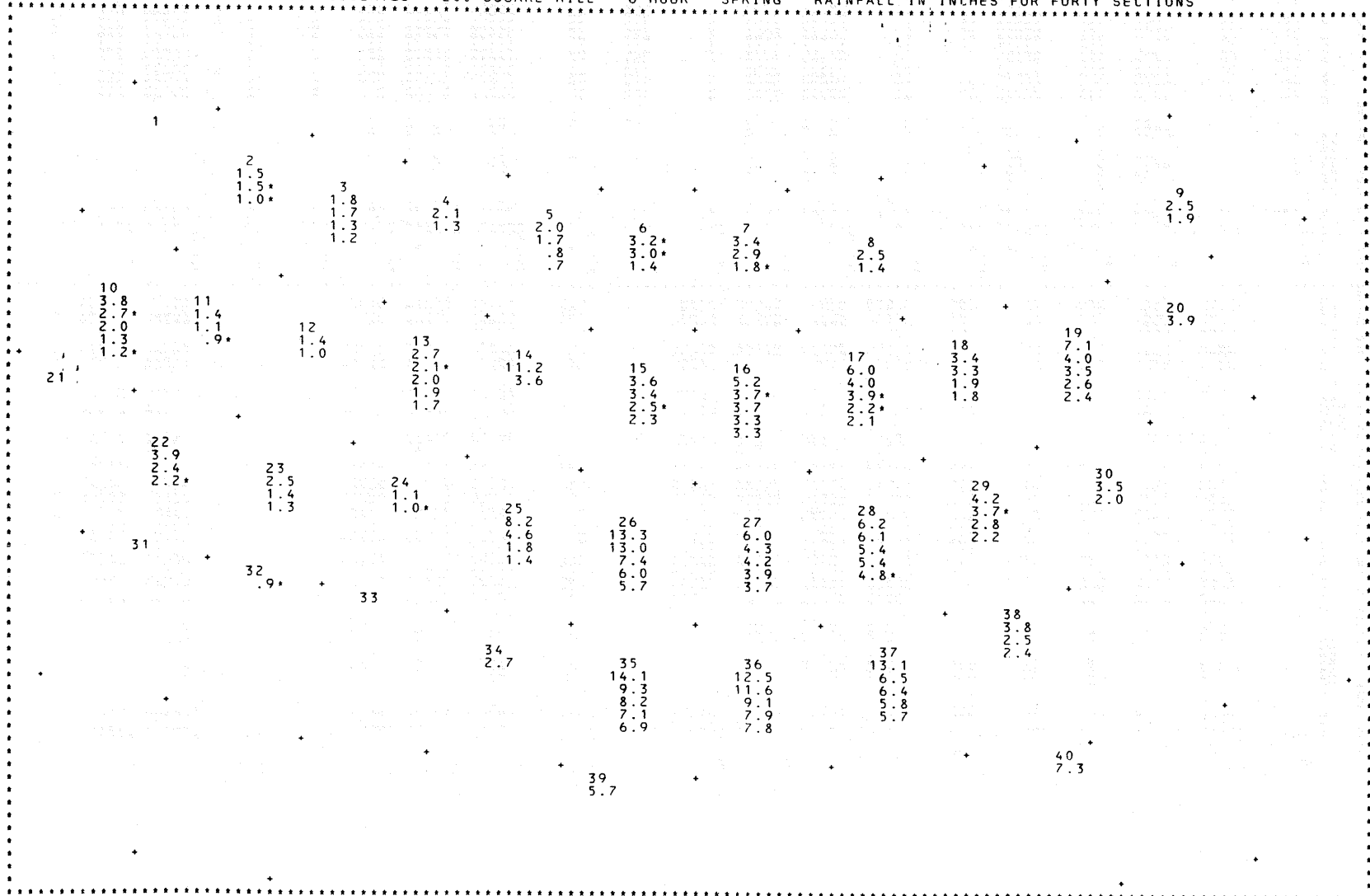
FIVE GREATEST OBSERVED 100 SQUARE MILE- 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | CORPS ASSIGNMENT NUMBER LOCATION LAT LONG | | | | |
|---|------------------|---------------------|-------------------------|-------------------|---|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | 5.1(430- 48) | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | | 4.8 | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | | 4.5 | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(4) | | | | | 4(2) | | | | |
| 7.5 | | 3/30/31-04/02/931 H | | 4630 11450 | 5.2 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 4.0(100- 42) | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 4.8 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| B 3.3 | | 3/15/32-03/19/932 R | MR 5-12 | 4410 11055 | | | | | |
| 3.1(100- 30) | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11243 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 6.2 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 5.4(2000- 30) | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 3.7 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 4.8(200- 48) | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 3.3 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10228 | 4.4(1000- 18) | | 4/22/32-04/24/932 H | - | 4600 9852 |
| 2.7 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 3.0(1000- 12) | | 3/29/33-03/30/935 H | - | 4658 9503 |
| 7(3) | | | | | 8(3) | | | | |
| 7.6 | | 5/27/42-05/31/942 H | - | 4458 9306 | 5.4(1000- 42) | | 4/28/14-04/29/914 H | - | 4646 8458 |
| 6.3(1000- 48) | | 5/18/60-05/21/960 H | - | 4435 9335 | 3.8 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 6.9 | | 5/28/43-06/01/943 H | - | 4412 9015 | 3.4 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 9(2) | | | | | 10(6) | | | | |
| 8.9(200- 48) | | 3/17/36-03/19/936 H | - | 4416 7115 | 21.8 | | 3/15/07-03/27/907 R | - | 3955 12125 |
| 7.3(200- 48) | | 3/09/36-03/15/936 H | - | 4416 7115 | 11.4 | | 5/09/15-05/11/915 R | - | 3945 12110 |
| | | | | | B 7.8(1903- 48) | | 3/22/28-03/27/928 H | - | 3905 12130 |
| | | | | | B 4.9(25055- 48) | | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | 4.2 | | 5/11/41-05/14/941 R | - | 3930 12100 |
| 11(3) | | | | | 12(2) | | | | |
| B 3.3(100- 24) | | 4/05/25-04/06/925 R | - | 4145 11525 | B 4.1 | | 4/07/35-04/09/935 R | - | 4340 11410 |
| B 2.4(500- 48) | | 3/25/40-04/01/940 R | - | 4305 11645 | 3.2 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| B 2.1(200- 18) | | 5/15/11-05/15/911 R | - | 4300 11645 | | | | | |
| 13(8) | | | | | 14(2) | | | | |
| 11.8 | | 5/04/69-05/08/969 R | - | 4016 10525 | 15.4(100- 24) | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 7.2 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 6.2 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 7.2(100- 42) | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 6.1 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 5.9(100- 30) | | 5/05/73-05/06/973 R | - | 3955 10506 | | | | | |
| 15(6) | | | | | 16(10) | | | | |
| 11.6(100- 12) | | 5/08/50-05/08/950 H | - | 4036 9628 | 10.2 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 8.7(100- 36) | | 5/10/44-05/12/944 A | MR 6-13 | 4212 9732 | 8.4(100- 30) | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 7.8(100- 42) | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 6.7 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| 6.0 | | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9721 | 6.4(2000- 48) | | 4/22/97-04/24/897 H | - | 4053 9400 |
| 5.0(100- 20) | | | | | | | | | |
| 17(5) | | | | | 18(4) | | | | |
| 9.3(100- 24) | | 5/26/56-05/28/956 H | - | 4020 8810 | 9.3 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 5.6(100- 42) | | 4/04/47-04/05/947 H | - | 4134 8805 | 6.9 | | 3/19/28-03/22/912 A | GL 3- 1 | 4359 8429 |
| 5.4(100- 36) | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 5.2 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 4.9(1000- 24) | | 3/24/54-03/25/954 H | UMV 4-16 | 4123 8928 | 4.2(100- 36) | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 4.4 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 9.6 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 6.4 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 8.9 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 8.7 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 7.5 | | 5/19/42-05/23/942 A | NA 2- 5 | 4048 7608 | | | | | |
| 6.6 | | 5/25/46-05/28/946 A | NA 2-12 | 4120 7745 | | | | | |
| 21(0) | | | | | 22(3) | | | | |
| | | | | | 12.1 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 11.1 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 2.6(100- 3) | | 3/03/43-03/05/943 H | - | 3410 11803 |
| 23(3) | | | | | 24(2) | | | | |
| 4.0 | | 3/12/05-03/20/905 H | - | 3419 11125 | 14.6 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 4.0(100- 36) | | 4/05/26-04/10/926 H | - | 3451 11200 | B 2.3(440- 48) | | 3/04/18-03/09/918 R | - | 3845 10630 |
| 3.7 | | 4/09/05-04/13/905 H | - | 3414 11247 | | | | | |
| 25(5) | | | | | 26(12) | | | | |
| 9.4 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 21.8 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 8.8(100- 30) | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 18.2(100- 20) | | 5/15/57-05/16/957 H | - | 3601 9756 |
| 7.2(2000- 48) | | 4/04/00-04/05/900 H | GH 5-17 | 3724 10237 | 17.7(100- 18) | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 5.7 | | 5/26/37-05/30/937 A | GH 5-17 | 3449 10344 | 14.9 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 5.7 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 9.9 | | 5/25/03-05/31/903 A | MR 1- 9 | 3849 9736 |
| 27(12) | | | | | 28(7) | | | | |
| 12.5 | | 5/25/93-05/29/893 A | SW 1- 1 | 3444 9049 | 10.5 | | 3/25/02-03/29/902 A | LMV 2- 7 | 3442 8857 |
| 11.8 | | 4/17/27-04/21/927 A | SW 2- 4 | 3441 9505 | 10.4(100- 36) | | 3/15/19-03/17/919 A | LMV 1-12 | 3525 8839 |
| 7.3 | | 5/09/18-05/13/918 A | LMV 1-11 | 3620 9230 | 10.1 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 7.1(100- 42) | | 3/24/64-03/26/904 A | UMV 2- 4 | 3659 9159 | B 9.6 | | 3/11/75-03/14/975 H | - | 3558 8613 |
| 7.1 | | 4/27/11-04/15/911 A | LMV 1- 8 | 3433 9237 | 8.5(100- 42) | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 29(5) | | | | | 30(3) | | | | |
| 12.0 | | 3/26/86-04/01/886 H | - | 3522 8247 | 8.0 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 9.9 | | 3/27/67-03/07/867 H | - | 3507 8325 | 6.0(200- 36) | | 4/17/10-04/18/910 H | - | 3650 7740 |
| 7.2(100- 42) | | 3/17/63-03/12/963 H | - | 3448 8342 | 5.3 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 6.4(100- 30) | | 3/17/12-03/15/912 A | SA 2- 7 | 3519 8059 | | | | | |
| 5.5 | | 3/27/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 4.3 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 6.9 | | 5/20/41-05/25/941 A | GH 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 16.5(100- 10) | | 5/31/35-05/31/935 H | - | 2920 0928 | 18.7 | | 5/11/53-05/19/953 A | LMV 5- 4 | 3146 9149 |
| 15.8 | | 3/28/45-04/02/945 A | MR 3- 5 | 3220 9528 | 18.6 | | 4/12/27-04/16/927 A | LMV 4- 8 | 3040 9005 |
| 14.8 | | 5/25/29-05/30/929 A | GH 4-26 | 3012 9813 | 14.0 | | 4/23/53-05/04/953 A | LMV 5- 3 | 3104 9312 |
| 11.8 | | 5/22/36-05/28/936 A | GH 5- 5 | 2955 9653 | 13.3 | | 5/16/35-05/20/935 A | LMV 4-21 | 3059 9148 |
| 11.8 | | 5/28/17-05/31/907 A | LMV 3-13 | 2936 9538 | 13.2 | | 4/24/14-04/28/914 A | GH 3-26 | 3046 9332 |
| 37(9) | | | | | 38(3) | | | | |
| 26.1 | | 3/17/25-03/16/929 A | LMV 2-20 | 3125 8604 | 8.7 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 16.1 | | 4/27/74-04/14/974 H | - | 3153 8942 | 7.3 | | 4/05/34-04/10/934 A | SA 3-21A | 3444 8244 |
| 13.6 | | 4/17/20-04/18/900 A | LMV 2- 5 | 3247 8750 | 6.5 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 13.2 | | 4/25/38-04/09/938 A | GH 2-25 | 3208 8802 | | | | | |
| 11.5 | | 5/27/19-05/28/909 A | LMV 2- 9 | 3239 8953 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 10.5 | | 5/27/25-05/29/925 A | GH 4-21 | 2843 10030 | 16.7 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

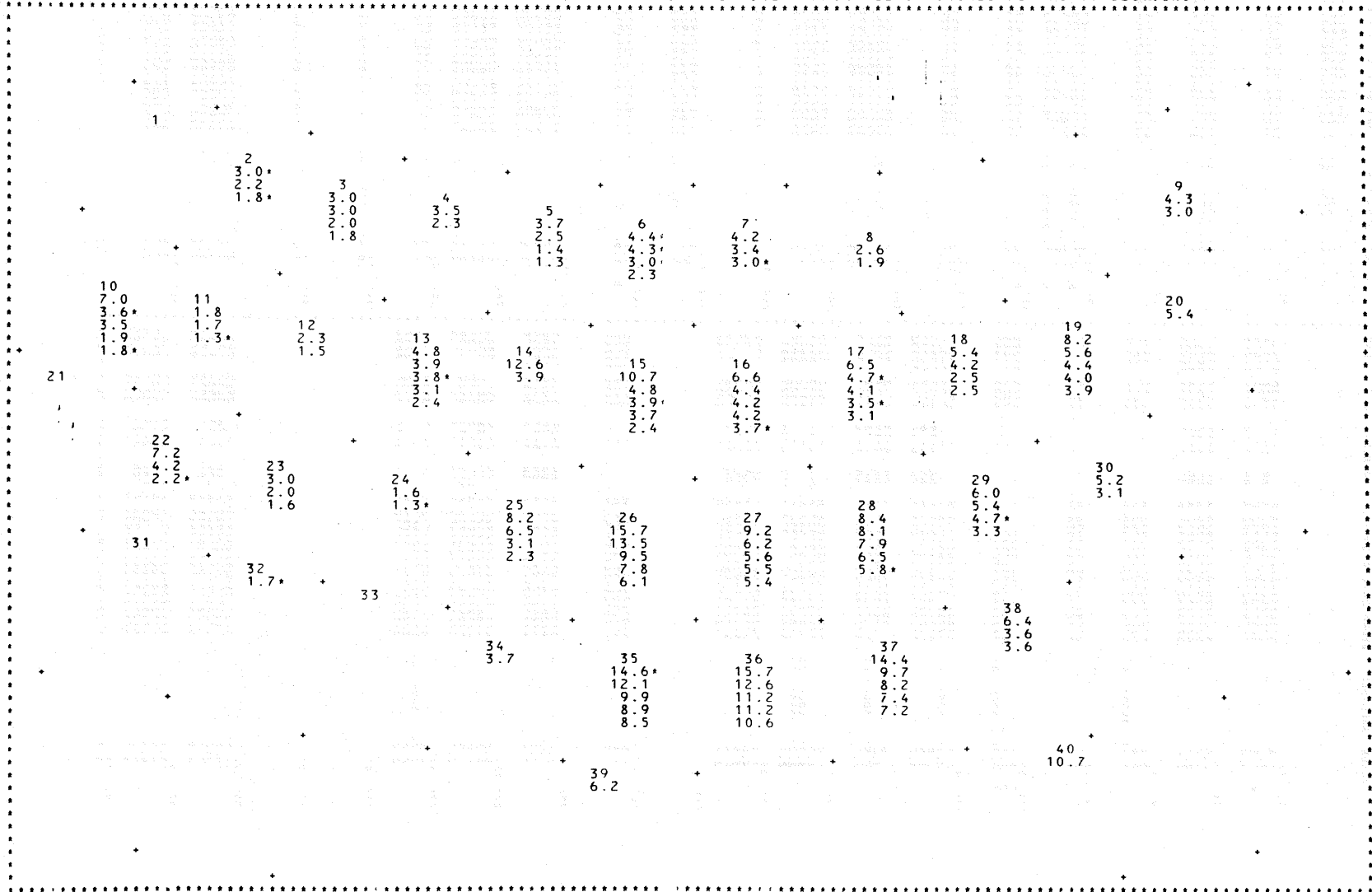
FIVE GREATEST OBSERVED 200 SQUARE MILE- 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|-------------------|---------------------|-------------------------|--------------|-------|---------|-------------------|---------------------|-------------------------|--------------|-------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(0) | | | | | | 2(3) | | | | | |
| | | | | | | 1.5 | | 3/30/31-04/02/931 H | | 4601 | 11807 |
| | | | | | | 1.5(| 436- 6) | 3/24/35-03/26/935 H | | 4723 | 11524 |
| | | | | | | 1.0(| 250- 6) | 5/26/06-05/30/906 H | | 4548 | 11824 |
| 3(4) | | | | | | 4(2) | | | | | |
| 1.8 | | 3/30/31-04/02/931 H | | 4630 | 11450 | 2.1 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 | 10957 |
| 1.7 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 | 11142 | 1.3 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 | 10957 |
| 1.3 | | 3/15/32-03/19/932 R | | 4410 | 11055 | | | | | | |
| 1.2 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 | 11245 | | | | | | |
| 5(4) | | | | | | 6(3) | | | | | |
| 2.0 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 | 10324 | 3.2(| 2000- 6) | 4/25/54-04/27/954 H | | 4535 | 9555 |
| 1.7 | | 3/25/29-03/30/929 A | MR 4-27 | 4657 | 10349 | 3.0(| 1000- 6) | 4/22/32-04/24/932 H | | 4600 | 9852 |
| 0.8 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 | 10328 | 1.4 | | 3/02/66-03/05/966 H | | 4714 | 9835 |
| 0.7 | | 3/13/43-03/17/947 A | MR 6-11 | 4853 | 10423 | | | | | | |
| 7(3) | | | | | | 8(2) | | | | | |
| 3.4 | | 5/27/42-05/31/942 H | | 4458 | 9306 | 2.5 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 | 8752 |
| 2.9 | | 5/28/43-06/01/943 H | | 4412 | 9015 | 1.4 | | 4/27/09-05/02/909 H | | 4437 | 8447 |
| 1.8(| 1000- 6) | 5/18/60-05/21/960 H | | 4435 | 9335 | | | | | | |
| 9(2) | | | | | | 10(6) | | | | | |
| 2.5 | | 3/09/36-03/15/936 H | | 4416 | 7115 | 3.8 | | 3/15/07-03/27/907 R | | 3955 | 12125 |
| 1.9 | | 3/17/36-03/19/936 H | | 4416 | 7115 | 2.7(| 1903- 6) | 3/22/28-03/27/928 H | | 3905 | 12130 |
| | | | | | | 2.0 | | 5/09/15-05/11/915 R | | 3945 | 12115 |
| | | | | | | 1.3 | | 5/11/41-05/14/941 R | | 3930 | 12100 |
| | | | | | | B 1.2(| 25055- 6) | 3/22/28-03/27/928 H | | 4000 | 12200 |
| 11(3) | | | | | | 12(2) | | | | | |
| 1.4 | | 4/05/25-04/06/925 R | | 4145 | 11525 | B 1.4 | | 4/07/35-04/09/935 R | | 4340 | 11410 |
| 1.1 | | 5/15/11-05/15/911 R | | 4300 | 11645 | 1.0 | | 5/31/43-06/05/943 R | | 4036 | 11135 |
| 0.9(| 500- 6) | 3/25/40-04/01/940 R | | 4305 | 11645 | | | | | | |
| 13(8) | | | | | | 14(2) | | | | | |
| 2.7 | | 5/04/69-05/08/969 R | | 4016 | 10525 | 11.2 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 | 10432 |
| 2.1(| 500- 6) | 5/05/73-05/06/973 R | | 3955 | 10506 | 3.6 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 | 10116 |
| 2.0 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 | 10543 | | | | | | |
| 1.9 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 | 10511 | | | | | | |
| 1.7 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 | 10532 | | | | | | |
| 15(4) | | | | | | 16(8) | | | | | |
| 3.6 | | 5/10/44-05/12/944 A | MR 6-13 | 4212 | 9732 | 5.2 | | 5/28/41-05/31/941 H | | 4313 | 9147 |
| 3.4 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 | 9507 | 3.7(| 200- 3) | 3/22/41-05/22/941 A | UMV 2-19 | 3948 | 9111 |
| 2.3(| 500- 6) | 4/04/47-04/05/947 H | MR 8- 8 | 4142 | 9721 | 3.7 | | 5/02/19-05/04/919 R | MR 2-20 | 4014 | 9440 |
| 2.3 | | 5/25/47-05/30/947 A | MR 8- 6 | 4101 | 9553 | 3.3 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 | 9402 |
| | | | | | | 3.3 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 | 9353 |
| 17(5) | | | | | | 18(4) | | | | | |
| 6.0 | | 5/26/56-05/28/956 H | | 4020 | 8810 | 3.4 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 | 8429 |
| 4.0 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 | 8941 | 3.1 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 | 8346 |
| 3.9(| 1000- 6) | 3/14/19-03/16/919 A | | 4134 | 8805 | 1.9 | | 5/10/14-05/12/944 A | GL 2-15 | 4134 | 8401 |
| 2.2(| 1000- 6) | 4/04/47-04/05/947 H | | 4123 | 8928 | 1.8 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 | 8436 |
| 2.1 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 | 8811 | | | | | | |
| 19(8) | | | | | | 20(1) | | | | | |
| 7.1 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 | 7717 | 3.9 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 | 7056 |
| 4.0 | | 5/19/42-05/23/942 A | WA 2- 5 | 4048 | 7608 | | | | | | |
| 3.5 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 | 7752 | | | | | | |
| 2.6 | | 5/17/94-05/22/894 A | WA 1- 4 | 3926 | 7514 | | | | | | |
| 2.4 | | 5/20/19-05/23/919 H | | 4050 | 7742 | | | | | | |
| 21(0) | | | | | | 22(3) | | | | | |
| | | | | | | 3.9 | | 3/11/05-02/17/905 H | | 3418 | 11806 |
| | | | | | | 2.4 | | 4/04/26-04/09/926 H | | 3413 | 11803 |
| | | | | | | 2.2(| 200- 3) | 3/03/43-03/05/943 H | | 3410 | 11803 |
| 23(3) | | | | | | 24(2) | | | | | |
| 2.5 | | 4/05/26-04/10/926 H | | 3451 | 11200 | 1.1 | | 4/19/33-04/22/933 R | | 3808 | 10528 |
| 1.4 | | 3/12/05-03/20/905 H | | 3419 | 11235 | B 1.0(| 440- 6) | 3/04/18-03/09/918 R | | 3845 | 10630 |
| 1.3 | | 4/09/05-04/13/905 H | | 3414 | 11247 | | | | | | |
| 25(4) | | | | | | 26(10) | | | | | |
| 8.2 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 | 10145 | 13.3 | | 4/03/34-04/04/934 A | SW 2-11 | 3537 | 9940 |
| 4.6 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 | 10306 | 13.0 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 | 9604 |
| 1.8 | | 5/26/27-05/30/937 A | GM 5-17 | 3449 | 10344 | 7.4 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 | 9518 |
| 1.4 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 | 10258 | 6.0 | | 5/30/06-06/01/906 A | MR 1-20 | 3750 | 9541 |
| | | | | | | 5.7 | | 4/07/27-04/09/927 A | MR 3-11 | 3740 | 9529 |
| 27(12) | | | | | | 28(7) | | | | | |
| 6.0 | | 4/17/27-04/21/927 A | SW 2- 4 | 3441 | 9305 | 6.2 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 | 8538 |
| 4.3 | | 4/06/22-04/11/922 A | MR 2-28 | 3815 | 9321 | 6.1 | | 5/21/57-05/23/957 H | | 3744 | 8832 |
| 4.2 | | 4/12/11-04/15/911 A | LMV 1- 8 | 3433 | 9237 | 5.4 | | 3/25/02-03/29/902 A | LMV 2- 7 | 3442 | 8537 |
| 3.9 | | 5/09/18-05/13/918 A | LMV 1-11 | 3620 | 9230 | 5.4 | | 3/15/19-03/17/919 A | LMV 1-12 | 3525 | 8839 |
| 3.7 | | 5/25/93-05/29/893 A | SW 1- 1 | 3444 | 9049 | 4.8 | | 3/11/63-03/12/963 H | | 3507 | 8522 |
| 29(4) | | | | | | 30(2) | | | | | |
| 4.2 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 | 8059 | 3.5 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 | 7900 |
| 3.7(| 500- 6) | 3/11/63-03/12/963 H | | 3448 | 8342 | 2.0 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 | 7830 |
| 3.8 | | 3/26/06-04/01/886 H | | 3522 | 8942 | | | | | | |
| 2.2 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 | 8034 | | | | | | |
| 31(0) | | | | | | 32(1) | | | | | |
| | | | | | | 0.9(| 500- 6) | 3/11/41-03/17/941 H | | 3323 | 11100 |
| 33(0) | | | | | | 34(1) | | | | | |
| | | | | | | 2.7 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 | 10312 |
| 35(9) | | | | | | 36(20) | | | | | |
| 14.1 | | 5/31/35-05/31/935 H | GM 4-26 | 2920 | 9928 | 12.5 | | 5/16/35-05/20/935 A | LMV 4-21 | 3059 | 9148 |
| 9.3 | | 5/25/29-05/30/929 A | LMV 3-13 | 2936 | 9538 | 11.6 | | 4/12/27-04/16/927 A | LMV 4- 8 | 2940 | 9002 |
| 8.2 | | 3/28/07-05/31/907 A | LMV 4- 1 | 3018 | 9742 | 9.1 | | 5/02/35-05/07/955 A | LMV 4-20 | 3041 | 9144 |
| 7.1 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 | 9742 | 7.9 | | 5/11/53-05/19/953 A | LMV 5- 4 | 3146 | 9149 |
| 6.9 | | 5/16/49-05/17/949 R | | 3249 | 9721 | 7.8 | | 3/24/14-03/28/914 A | LMV 3-19 | 3046 | 9328 |
| 37(8) | | | | | | 38(3) | | | | | |
| 13.1 | | 3/11/29-03/16/929 A | LMV 2-20 | 3125 | 8604 | 3.8 | | 5/21/06-05/26/906 A | SA 4- 9 | 3003 | 8151 |
| 6.5 | | 4/12/12-04/17/912 A | LMV 2-11 | 3023 | 8945 | 2.5 | | 3/03/29-03/05/921 A | SA 3-19 | 3233 | 8144 |
| 6.4 | | 4/15/00-04/18/900 A | LMV 2- 5 | 3247 | 8750 | 2.4 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 | 8244 |
| 5.8 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 | 8802 | | | | | | |
| 5.7 | | 4/12/74-04/14/974 H | | 3155 | 8942 | | | | | | |
| 39(1) | | | | | | 40(1) | | | | | |
| 5.7 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 | 10030 | 7.3 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 | 8008 |

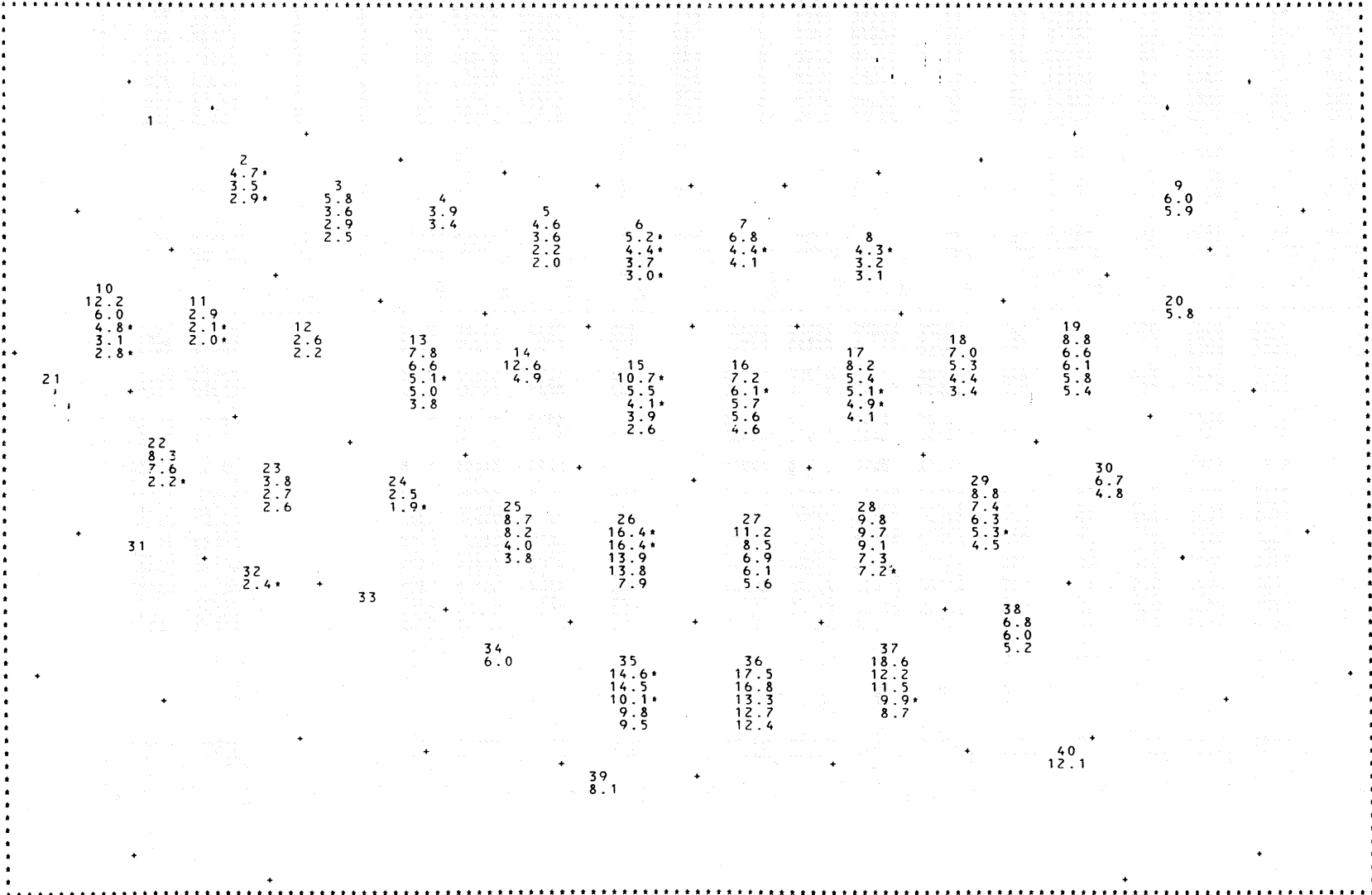
FIVE GREATEST OBSERVED 200 SQUARE MILE- 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

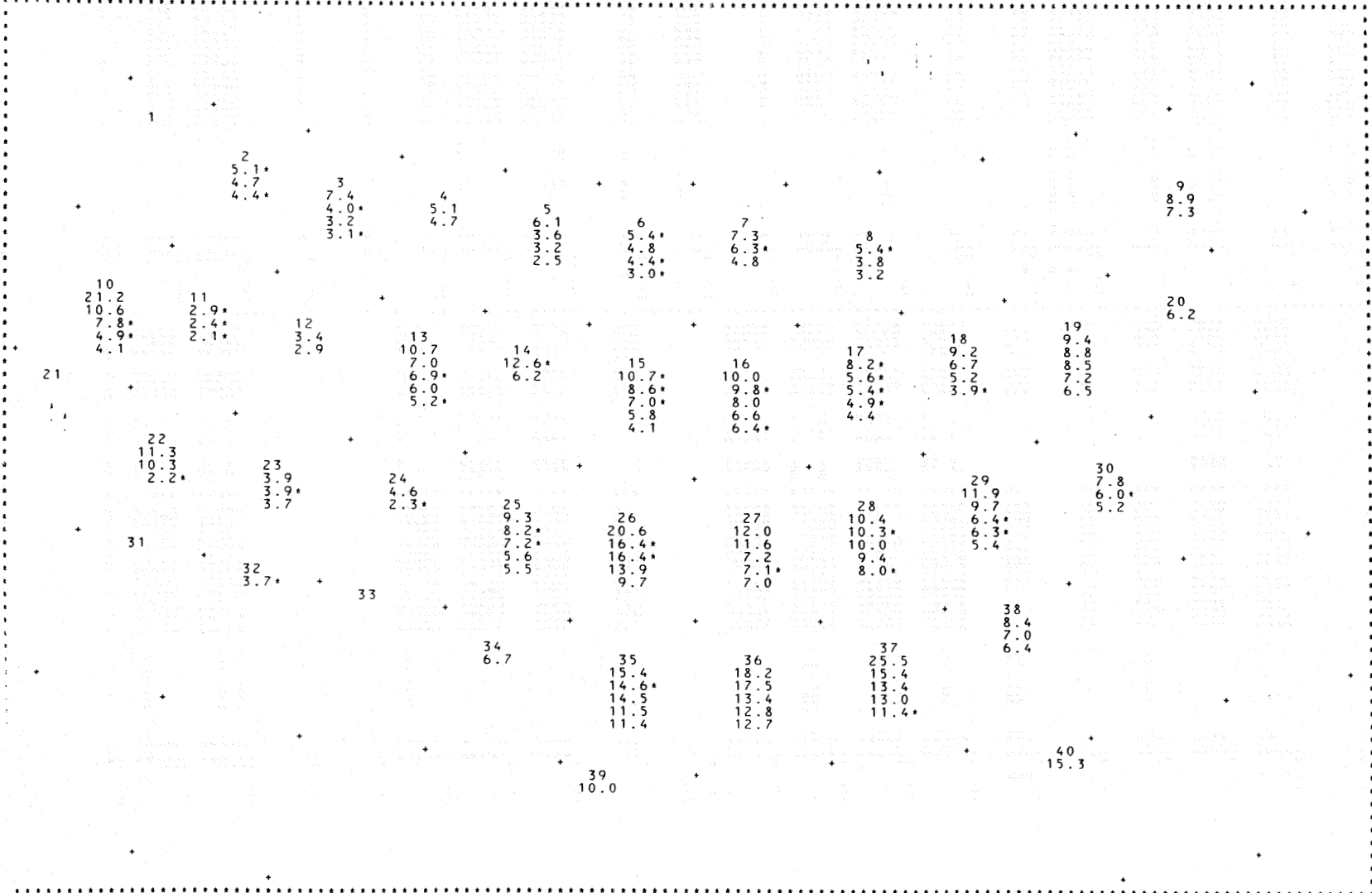
| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED | | | | | 200 SQUARE MILE - 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | |
|--|-------------------|---------------------|-------------------------|-------------------|--|-------------------|---------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 3.0(430- 12) | | 3/24/35-03/26/935 H | | 4723 11524 |
| | | | | | 2.2 | | 3/30/31-04/02/931 H | | 4601 11807 |
| | | | | | 1.8(250- 12) | | 5/26/06-05/30/906 H | | 4548 11824 |
| 3(4) | | | | | 4(2) | | | | |
| 3.0 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 3.5 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 3.0 | | 5/30/31-04/02/931 H | - | 4630 11450 | 2.3 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 2.0 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| B 1.8 | | 3/15/32-03/19/932 R | - | 4410 11055 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 3.7 | | 5/09/20 05/12/920 A | MR 4-17 | 4437 10324 | 4.4(1000- 12) | | 4/22/32-04/24/932 H | | 4600 9852 |
| 2.5 | | 5/25/29 05/30/929 A | MR 4-27 | 4657 10329 | 4.3(2000- 12) | | 4/25/54-04/27/954 H | | 4535 9553 |
| 1.4 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 3.0(1000- 12) | | 2/29/33-03/30/933 H | | 4638 9503 |
| 1.3 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 2.3 | | 3/02/66-03/05/966 H | | 4714 9833 |
| 7(3) | | | | | 8(2) | | | | |
| 4.2 | | 5/27/42-05/31/942 H | - | 4458 9306 | 2.6 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 3.4 | | 5/25/43 05/01/943 H | - | 4412 9015 | 1.9 | | 4/27/09-05/02/909 H | | 4437 8447 |
| 3.0(1000- 12) | | 5/18/60-05/21/960 H | - | 4435 9335 | | | | | |
| 9(2) | | | | | 10(6) | | | | |
| 3.3 | | 3/09/36-03/15/936 H | - | 4416 7115 | 7.0 | | 3/15/07-03/27/907 R | | 3955 12125 |
| 3.0 | | 3/17/36-03/19/936 H | - | 4416 7115 | 3.6(1903- 12) | | 3/22/28-03/27/928 H | | 3905 12130 |
| | | | | | B 3.5 | | 5/09/15-05/11/915 R | | 3945 12115 |
| | | | | | B 1.8(25055- 12) | | 5/11/41-05/14/941 R | | 3930 12100 |
| | | | | | | | 3/16/07-03/19/907 H | | 4000 12200 |
| 11(3) | | | | | 12(2) | | | | |
| B 1.8 | | 5/15/11-05/15/911 R | - | 4300 11645 | B 2.3 | | 4/07/35-04/09/935 R | | 4340 11610 |
| B 1.7 | | 4/05/25-04/06/925 R | - | 4145 11525 | | | 5/31/43-06/05/943 R | | 4036 11133 |
| B 1.3(500- 12) | | 3/25/40-04/01/940 R | - | 4305 11645 | | | | | |
| 13(8) | | | | | 14(2) | | | | |
| 4.8 | | 5/04/69-05/08/969 R | - | 4016 10525 | 11.6 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 3.9 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | 3.9 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 3.8 | 500- 12) | 5/05/73-05/06/973 R | - | 3955 10506 | | | | | |
| 3.1 | | 5/29/94-05/31/894 A | MR 6-14 | 4064 10532 | | | | | |
| 2.4 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 15(5) | | | | | 16(8) | | | | |
| 10.7 | | 5/08/50-05/08/950 H | - | 4036 9628 | 6.6 | | 5/28/41-05/31/941 H | | 4333 9147 |
| 4.8 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 4.4 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 3.9(500- 12) | | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9721 | 4.2 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 3.7 | | 5/10/46-05/12/944 A | MR 6-13 | 4212 9752 | 4.2 | | 5/02/19-05/04/919 A | MR 2-20 | 4014 9440 |
| 2.4 | | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 3.7(200- 3) | | 5/22/41-05/22/941 A | UMV 2-19 | 3948 9111 |
| 17(5) | | | | | 18(4) | | | | |
| 6.5 | | 5/26/56-05/28/956 H | - | 4020 8810 | 4.2 | | 3/23/13-03/27/913 A | DR 1-15 | 4022 8346 |
| 4.7(1000- 12) | | 4/04/47-04/05/947 H | - | 4134 8805 | 4.2 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.4 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 2.5 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 3.1(1000- 12) | | 3/24/54-03/25/954 H | - | 4123 8928 | 2.5 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 3.1 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 8.2 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 5.4 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 5.6 | | 5/19/42-05/23/942 A | NA 2- 5 | 4048 7608 | | | | | |
| 4.4 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 4.0 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7544 | | | | | |
| 3.9 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 7752 | | | | | |
| 21(0) | | | | | 22(3) | | | | |
| | | | | | 7.2 | | 3/11/05-03/17/905 H | | 3418 11806 |
| | | | | | 4.2 | | 4/04/26-04/09/926 H | | 3413 11803 |
| | | | | | 2.2(200- 3) | | 3/03/43-03/05/943 H | | 3410 11803 |
| 23(3) | | | | | 24(2) | | | | |
| 3.0 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.6 | | 4/19/33-04/22/933 R | | 3808 10528 |
| 2.0 | | 3/12/05-03/20/905 H | - | 3419 11125 | B 1.3(440- 12) | | 3/04/18-03/09/918 R | | 3845 10630 |
| 1.6 | | 4/09/05-04/13/905 H | - | 3414 11247 | | | | | |
| 25(4) | | | | | 26(10) | | | | |
| 3.2 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 15.7 | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 6.5 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 13.5 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 3.1 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 9.5 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 2.3 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 7.8 | | 4/07/27-04/09/927 A | MR 3-11 | 3740 9529 |
| | | | | | 6.1 | | 5/30/06-06/01/906 A | MR 1-20 | 3750 9541 |
| 27(12) | | | | | 28(7) | | | | |
| 9.2 | | 4/17/27-04/21/927 A | SW 2- 4 | 3441 9305 | 8.4 | | 3/21/29-03/23/929 A | DR 7-15 | 3548 8538 |
| 6.2 | | 5/25/93-05/29/893 A | SW 1- 1 | 3444 9049 | 8.1 | | 3/25/02-03/29/902 A | DR 2- 7 | 3442 8857 |
| 5.6 | | 3/31/17-04/02/917 A | UMV 3- 4 | 3549 9341 | 7.9 | | 3/15/19-03/17/919 A | LNV 1-12 | 3525 8839 |
| 5.5 | | 5/09/18-05/13/918 A | LWR 1-11 | 3420 9250 | 6.3 | | 5/21/57-05/23/957 H | - | 3744 8832 |
| 5.4 | | 4/06/22-04/11/922 A | MR 2-28 | 3815 9321 | 5.8(500- 12) | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 29(4) | | | | | 30(2) | | | | |
| 6.0 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 5.2 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 5.4 | | 3/26/86-04/01/886 H | - | 3522 8247 | 3.1 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 4.7(500- 12) | | 3/11/63-03/12/963 H | - | 3448 8342 | | | | | |
| 3.3 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.7(500- 12) | | 3/11/41-03/17/941 H | | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 3.7 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 14.6(200- 10) | | 5/31/35-05/31/935 H | - | 2920 9928 | 15.7 | | 4/12/27-04/16/927 A | LNV 4- 8 | 2940 9005 |
| 12.1 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 12.6 | | 5/16/35-05/20/935 A | LNV 4-21 | 3059 9148 |
| 9.9 | | 5/16/49-05/17/949 R | GM 4- 1 | 3249 9721 | 11.2 | | 5/02/35-05/07/935 A | LNV 4-20 | 3041 9144 |
| 8.9 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 9742 | 11.2 | | 4/23/53-05/04/953 A | LNV 5- 3 | 3104 9312 |
| 8.5 | | 3/28/45-04/02/945 A | SW 3- 5 | 3220 9545 | 10.6 | | 3/24/14-03/28/914 A | LNV 3-19 | 3046 9332 |
| 37(8) | | | | | 38(3) | | | | |
| 14.4 | | 3/11/25-03/16/929 A | LNV 2-20 | 3125 8604 | 6.4 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 9.7 | | 4/15/00-04/18/900 A | LNV 2- 5 | 3247 8750 | 3.6 | | 3/03/29-03/05/929 A | SA 3-19 | 3213 8414 |
| 8.2 | | 4/12/74-04/14/974 H | - | 3155 8942 | 3.6 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 7.4 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 7.2 | | 5/24/09-05/28/909 A | LNV 2- 9 | 3239 8953 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 6.2 | | 5/27/05-05/29/925 A | GM 4-21 | 2843 10030 | 10.7 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

FIVE GREATEST OBSERVED 200 SQUARE MILE- 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

FIVE GREATEST OBSERVED 200 SQUARE MILE- 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



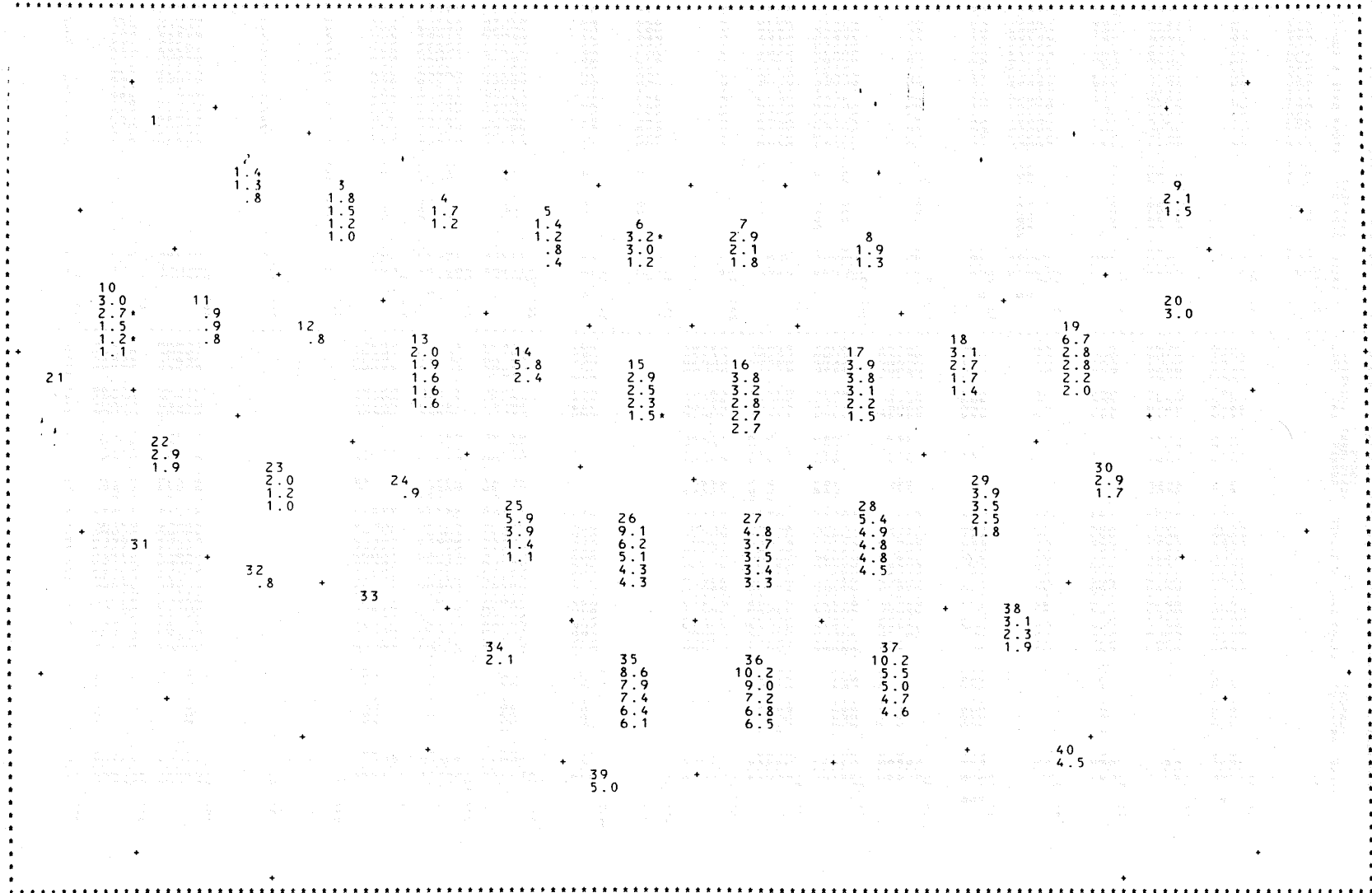
* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | | |
|---|-------------------|---------------------|------------------------|--------------|-------|--------|-------------------|---------------------|------------------------|--------------|------------|-----------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORP ASSASSMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORP ASSASSMENT NUMBER | LOCATION LAT | LONG | |
| 1(0) | | | | | | 2(3) | 5.1 (430-48) | 3/24/35-03/26/935 H | | 4723 | 11524 | |
| | | | | | | | 4.7 (250-48) | 3/30/31-04/02/931 H | | 4601 | 11807 | |
| | | | | | | | 4.4 (250-48) | 5/26/06-05/30/906 H | | 4548 | 11824 | |
| 3(4) | | | | | | 4(2) | 5.1 | 4/22/00-04/24/900 A | MR | 5-10 | 4550 10957 | |
| 2.4 | 200-42 | 3/30/31-04/02/931 H | | 4630 | 11142 | | 4.7 | 5/17/38-05/20/938 A | MR | 5-6 | 4550 10957 | |
| 4.0 | | 5/11/00-05/13/900 A | MR | 5-11 | 4638 | 11142 | | | | | | |
| 3.2 | | 3/15/32-03/19/932 R | | | 4410 | 11055 | | | | | | |
| 3.1 | 200-30 | 5/19/02-05/20/902 A | MR | 5-12 | 4830 | 11245 | | | | | | |
| 5(4) | | | | | | 6(4) | 5.4 (2000-30) | 4/25/54-04/27/954 H | | 4535 | 9555 | |
| 6.1 | | 5/09/20-05/12/920 A | MR | 4-17 | 4437 | 10324 | | 4.8 | 3/02/66-03/05/966 H | | 4714 9835 | |
| 3.6 | | 5/23/29-05/30/929 A | MR | 4-27 | 4657 | 10349 | | 4.4 | 4/22/32-04/24/932 H | | 4600 9852 | |
| 3.2 | | 4/11/12-04/14/912 A | MR | 5-19 | 4748 | 10328 | | 3.0 | 3/29/33-03/30/933 H | | 4658 9503 | |
| 2.5 | | 3/13/43-03/17/943 A | MR | 6-11 | 4853 | 10423 | | | | | | |
| 7(3) | | | | | | 8(3) | 5.4 (1000-42) | 4/28/14-04/29/914 H | | 4646 | 8458 | |
| 7.3 | | 5/27/42-05/31/942 H | | 4458 | 9306 | | 3.8 | 4/27/09-05/02/909 H | | 4437 | 8447 | |
| 6.3 | 1000-48 | 5/18/60-05/21/960 H | | 4435 | 9335 | | 3.2 | 4/05/19-04/11/919 A | GL | 2-19 | 4453 8752 | |
| 4.8 | | 5/28/43-06/01/943 H | | 4412 | 9015 | | | | | | | |
| 9(2) | | | | | | 10(6) | | | | | | |
| 2.9 | | 3/17/36-03/19/936 H | | 4416 | 7115 | | 21.2 | 3/15/07-03/27/907 R | | 3955 | 12125 | |
| 7.3 | | 3/09/36-03/15/936 H | | 4416 | 7115 | | 10.6 | 5/09/15-05/11/915 R | | 3945 | 12115 | |
| | | | | | | | 7.8 (1903-48) | 3/22/28-03/27/928 H | | 3905 | 12130 | |
| | | | | | | | 5.9 (25055-48) | 3/16/07-03/19/907 H | | 4000 | 12000 | |
| | | | | | | | 4.1 | 5/11/41-05/14/941 R | | 3930 | 12100 | |
| 11(3) | | | | | | 12(2) | | | | | | |
| 2.9 | 200-24 | 4/05/25-04/06/925 R | | 4145 | 11525 | | 3.4 | 4/07/35-04/09/935 R | | 4340 | 11410 | |
| 2.4 | 500-48 | 3/25/40-04/01/940 R | | 4305 | 11645 | | 2.9 | 5/31/43-06/05/943 R | | 4036 | 11135 | |
| 2.1 | 200-18 | 5/15/11-05/15/911 R | | 4300 | 11645 | | | | | | | |
| 13(8) | | | | | | 14(2) | 12.6 (200-24) | 5/30/35-05/31/935 A | MR | 3-28A | 3915 10432 | |
| 10.7 | | 5/04/69-05/08/969 R | | 4016 | 10525 | | 6.2 | 5/05/27-05/09/927 A | MR | 4-25 | 4350 10116 | |
| 7.0 | | 5/29/94-05/31/894 A | MR | 6-14 | 4004 | 10532 | | | | | | |
| 6.9 | 200-42 | 4/14/21-04/16/921 A | MR | 4-19 | 4043 | 10543 | | | | | | |
| 5.2 | 500-30 | 5/01/04-05/03/904 A | MR | 4-6 | 4059 | 10511 | | | | | | |
| | | 5/05/73-05/06/973 R | | | 3955 | 10506 | | | | | | |
| 15(6) | | | | | | 16(10) | 10.0 | 5/25/15-05/29/915 A | MR | 2-7 | 3911 9353 | |
| 10.7 | 200-12 | 5/08/50-05/08/950 H | | 4036 | 9628 | | 9.8 (200-30) | 5/16/74-05/18/974 H | | 3921 | 9447 | |
| 8.6 | 200-36 | 5/30/51-06/02/951 H | | 4118 | 9708 | | 6.6 | 5/18/14-05/31/941 H | | 4313 | 9146 | |
| 7.0 | 200-42 | 5/10/44-05/12/944 A | MR | 6-13 | 4211 | 9752 | | 6.4 | 5/30/19-06/04/919 A | MR | 2-21 | 4047 9320 |
| 5.8 | | 3/14/19-03/16/919 A | MR | 2-19 | 3954 | 9507 | | | | | | |
| 4.1 | | 5/25/47-05/30/947 A | MR | 8-6 | 4101 | 9553 | | | | | | |
| 17(5) | | | | | | 18(4) | 9.2 | 3/23/13-03/27/913 A | OR | 1-15 | 4022 8346 | |
| 8.2 | 200-24 | 5/26/56-05/28/956 H | | 4020 | 8810 | | 6.7 | 5/19/12-05/22/912 A | GL | 3-1 | 4359 8429 | |
| 5.6 | 1000-42 | 4/04/47-04/05/947 H | | 4154 | 8805 | | 5.2 | 5/10/14-05/12/914 H | | 4154 | 8401 | |
| 5.4 | 200-36 | 5/17/96-05/22/894 A | UNV | 4-12 | 4040 | 8941 | | | | | | |
| 4.9 | 1000-24 | 3/24/54-03/25/954 A | UNV | 4-16 | 4123 | 8928 | | | | | | |
| 4.4 | | 3/09/39-03/12/939 A | UNV | 4-16 | 3929 | 8811 | | | | | | |
| 19(8) | | | | | | 20(1) | 6.2 | 4/11/33-04/14/933 A | NA | 1-23 | 4308 7056 | |
| 9.4 | | 5/30/89-06/01/889 A | SA | 1-1 | 4145 | 7717 | | | | | | |
| 8.8 | | 4/24/37-04/28/937 A | SA | 5-13 | 3940 | 7754 | | | | | | |
| 8.5 | | 5/17/96-05/22/894 A | NA | 1-4 | 3926 | 7514 | | | | | | |
| 7.2 | | 5/19/42-05/23/942 A | NA | 2-5 | 4048 | 7608 | | | | | | |
| 6.5 | | 3/16/36-03/21/936 A | SA | 1-27 | 3921 | 7845 | | | | | | |
| 21(0) | | | | | | 22(3) | 11.3 | 3/11/05-03/17/905 H | | 3418 | 11806 | |
| | | | | | | | 10.3 | 4/04/26-04/09/926 H | | 3413 | 11803 | |
| | | | | | | | 2.2 (200-3) | 3/03/43-03/05/943 H | | 3410 | 11803 | |
| 23(3) | | | | | | 24(2) | 4.6 | 4/19/33-04/22/933 R | | 3808 | 10528 | |
| 3.9 | 200-36 | 3/12/05-03/20/905 H | | 3419 | 11125 | | 2.3 (440-48) | 3/04/18-03/09/918 R | | 3845 | 10636 | |
| 3.4 | | 4/05/26-04/10/926 H | | 3451 | 11200 | | | | | | | |
| 3.7 | | 4/09/05-04/13/905 H | | 3414 | 11247 | | | | | | | |
| 25(5) | | | | | | 26(12) | 20.6 | 5/06/43-05/12/943 A | SM | 2-20 | 3529 9518 | |
| 8.2 | 200-30 | 4/29/14-05/02/914 A | SM | 1-16 | 3620 | 10306 | | 16.4 (200-18) | 4/03/34-04/04/934 A | SM | 2-11 | 3537 9940 |
| 7.2 | 2000-48 | 5/30/38-05/31/938 A | MR | 3-29 | 3854 | 10145 | | 13.9 | 5/15/57-05/16/957 H | | 3602 9756 | |
| 5.6 | | 4/04/00-04/05/900 H | SM | 3-6 | 3655 | 10234 | | 9.7 | 5/12/43-05/20/943 A | SM | 2-21 | 3552 9604 |
| 5.5 | | 4/17/42-04/21/942 A | SM | 5-17 | 3449 | 10344 | | | | | | |
| 5/26/37-05/30/937 A | GM | 5-17 | 3449 | 10344 | | | | | | | | |
| 27(12) | | | | | | 28(7) | 10.4 | 3/25/02-03/29/902 A | LHV | 2-7 | 3442 8857 | |
| 12.0 | | 5/25/93-05/29/893 A | SW | 1-1 | 3444 | 9049 | | 10.3 (200-36) | 3/15/19-03/17/919 A | ORV | 1-12 | 3525 8839 |
| 11.6 | | 4/17/27-04/21/927 A | SW | 2-4 | 3441 | 9305 | | 8.0 | 3/21/29-03/23/929 A | MR | 7-15 | 3548 8538 |
| 7.2 | 200-42 | 5/09/78-05/13/918 A | LHV | 1-11 | 3620 | 9230 | | 9.4 | 3/11/75-03/14/975 H | | 3558 8613 | |
| 7.1 | | 3/24/04-03/26/904 A | UNV | 2-4 | 3659 | 9159 | | 8.0 (500-42) | 3/11/63-03/12/963 H | | 3507 8522 | |
| 7.0 | | 4/12/11-04/15/911 A | LHV | 1-8 | 3433 | 9237 | | | | | | |
| 29(5) | | | | | | 30(3) | 7.8 | 5/18/01-05/22/901 A | SA | 2-4 | 3432 7900 | |
| 11.9 | | 3/26/85-04/01/886 H | | 3522 | 8247 | | 6.0 (200-36) | 4/17/10-04/18/910 H | SA | 1-24 | 3650 7740 | |
| 9.7 | | 3/01/67-03/07/867 H | | 3507 | 8325 | | 5.2 | 5/07/24-05/12/924 A | SA | 3-19 | 3802 7830 | |
| 6.4 | 500-42 | 3/11/63-03/12/963 H | | 3448 | 8362 | | | | | | | |
| 6.3 | 200-30 | 3/14/72-03/15/912 A | SA | 2-7 | 3519 | 8059 | | | | | | |
| 5.4 | | 3/12/78-03/15/918 A | OR | 3-10 | 3815 | 8034 | | | | | | |
| 31(0) | | | | | | 32(1) | 3.7 (500-48) | 3/11/41-03/17/941 H | | 3323 | 11100 | |
| 33(0) | | | | | | 34(1) | 6.7 | 5/20/41-05/25/941 A | GM | 5-18 | 3307 10312 | |
| 35(9) | | | | | | 36(20) | 18.2 | 5/11/53-05/19/953 A | LHV | 5-4 | 3146 9149 | |
| 15.4 | 200-10 | 3/28/45-04/02/945 A | SM | 3-5 | 3220 | 9545 | | 17.5 | 4/12/27-04/16/927 A | LHV | 4-8 | 2940 9005 |
| 14.6 | | 5/31/35-05/31/935 H | | 2920 | 9928 | | 13.7 | 4/23/55-05/04/953 A | LHV | 5-3 | 3104 9112 | |
| 11.5 | | 5/28/07-05/31/907 A | LHV | 3-13 | 2936 | 9538 | | 12.8 | 4/24/14-04/28/914 A | GM | 3-26 | 3046 9332 |
| 11.4 | | 5/22/36-05/28/936 A | GM | 5-5 | 2955 | 9653 | | 12.7 | 5/16/35-05/20/935 A | LHV | 4-21 | 3059 9148 |
| 17(9) | | | | | | 38(3) | 8.0 | 5/21/06-05/26/906 A | SA | 4-9 | 3005 8151 | |
| 25.5 | | 3/11/29-03/16/929 A | LHV | 2-20 | 3125 | 8604 | | 7.0 | 4/05/36-04/10/936 A | SA | 3-21A | 3344 8244 |
| 15.4 | | 4/15/02-04/18/900 A | LHV | 2-5 | 3247 | 8750 | | 6.4 | 3/03/29-03/05/929 A | SA | 3-19 | 3233 8414 |
| 13.0 | | 4/05/38-04/09/938 A | GM | 2-25 | 3208 | 8802 | | | | | | |
| 11.4 | 250-48 | 3/22/77-03/23/897 H | | 3120 | 8537 | | | | | | | |
| 39(1) | | | | | | 40(1) | 15.3 | 4/14/42-04/17/942 A | SA | 5-7 | 2638 8008 | |
| 10.0 | | 5/27/25-05/29/925 A | GM | 4-21 | 2843 | 10030 | | | | | | |

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FIVE GREATEST OBSERVED 1000 SQUARE MILE- 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

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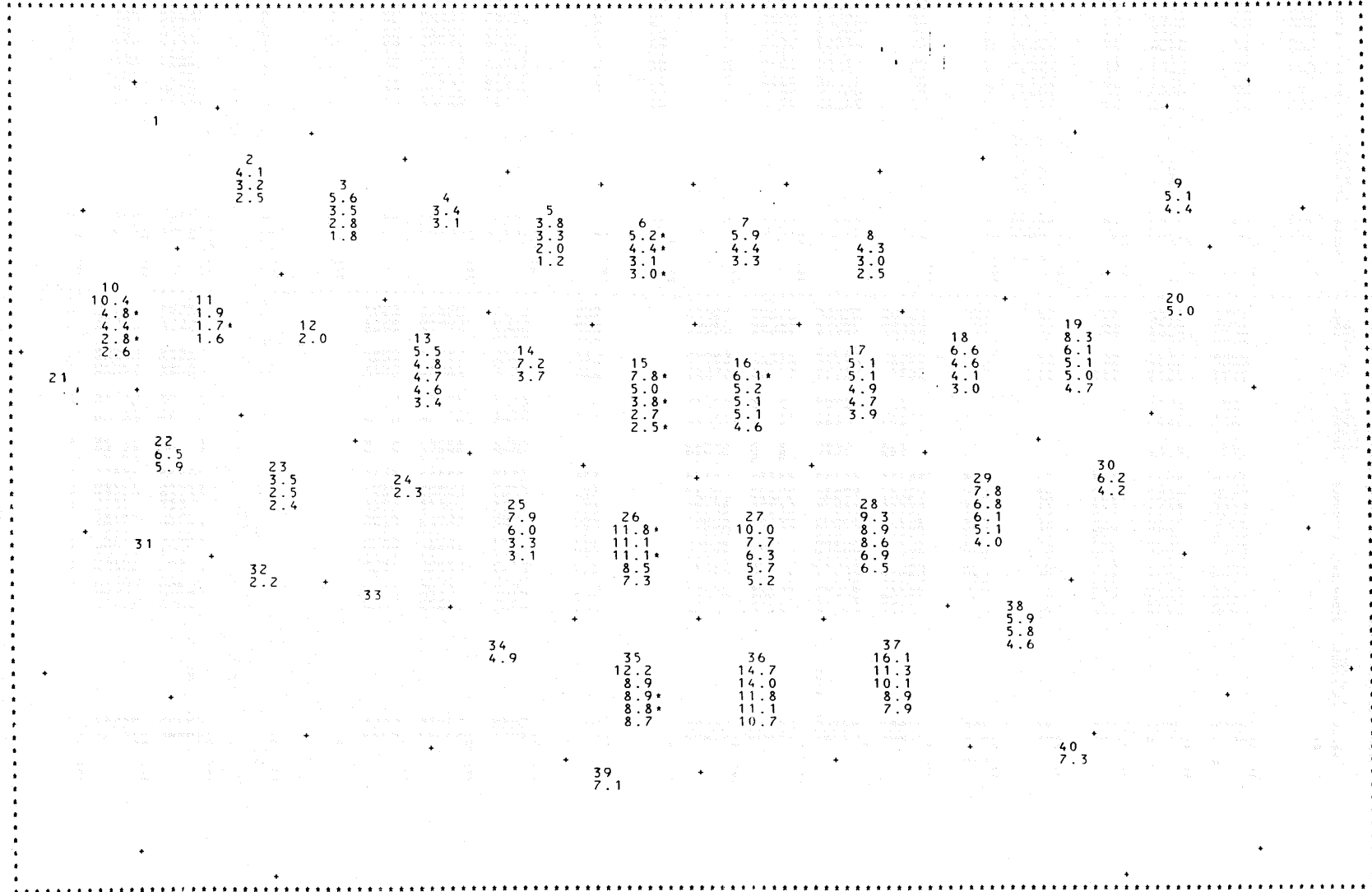
* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

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| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|-------------------|---------------------|-------------------------|-------------------|---------|-------------------|---------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | | | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(4) | | 3/30/31-04/02/931 H | - | 4630 11450 | 4(2) | | 5/17/38-05/20/938 A | MR 5-6 | 4550 10957 |
| 1.8 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 1.7 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 1.5 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | 1.2 | | | | |
| 1.2 | | 3/15/32-03/19/932 R | - | 4410 11055 | | | | | |
| B 1.0 | | | | | | | | | |
| 5(4) | | 5/23/29-05/30/929 A | HR 4-27 | 4657 10349 | 6(3) | 2000- 6) | 4/25/54-04/27/954 H | - | 4535 9555 |
| 1.4 | | 5/09/20-05/12/920 A | HR 4-17 | 4437 10324 | 3.2 | | 4/22/32-04/24/932 H | - | 4600 9852 |
| 1.2 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 3.0 | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 0.8 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 1.2 | | | | |
| 0.4 | | | | | | | | | |
| 7(3) | | 5/27/42-05/31/942 H | - | 4458 9306 | 8(2) | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 2.9 | | 5/28/43-06/01/943 H | - | 4412 9015 | 1.9 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 2.1 | | 5/18/60-05/21/960 H | - | 4435 9335 | 1.3 | | | | |
| 1.8 | | | | | | | | | |
| 9(2) | | 3/09/36-03/15/936 H | - | 4416 7115 | 10(6) | | 3/15/07-03/27/907 R | - | 3955 12125 |
| 2.1 | | 3/17/36-03/19/936 H | - | 4416 7115 | 3.0 | 1903- 6) | 3/22/28-03/27/928 H | - | 3905 12130 |
| 1.5 | | | | | 2.7 | | 5/09/15-05/11/915 R | - | 3945 12115 |
| | | | | | 1.9 | 25055- 6) | 3/22/28-03/27/928 H | - | 4000 12200 |
| | | | | | 1.1 | | 5/11/41-05/14/941 R | - | 3930 12100 |
| 11(3) | | 4/05/25-04/06/925 R | - | 4145 11525 | 12(1) | | 5/31/43-06/05/943 R | - | 4036 11135 |
| B 0.9 | | 3/15/11-05/15/911 R | - | 4300 11645 | 0.8 | | | | |
| B 0.9 | | 3/25/40-04/01/940 R | - | 4305 11645 | | | | | |
| B 0.8 | | | | | | | | | |
| 13(8) | | 5/05/73-05/06/973 R | - | 3955 10506 | 14(2) | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 2.0 | | 5/04/69-05/08/969 R | - | 4016 10525 | 5.8 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 1.9 | | 4/14/21-04/16/921 A | HR 4-19 | 4043 10543 | 2.4 | | | | |
| 1.6 | | 5/29/94-05/31/894 A | HR 6-14 | 4004 10532 | | | | | |
| 1.6 | | 5/01/04-05/03/904 A | MR 4-6 | 4059 10511 | | | | | |
| 15(4) | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 16(7) | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 2.9 | | 3/15/24-05/12/944 A | MR 6-13 | 4212 9732 | 3.8 | | 5/02/19-05/04/919 A | MR 2-20 | 4014 9440 |
| 2.5 | | 5/28/56-05/28/956 H | HR 8-8 | 4142 9721 | 3.2 | | 5/30/19-06/04/919 A | MR 2-21 | 4017 9320 |
| 2.3 | | 3/25/47-05/30/947 A | MR 8-6 | 4101 9553 | 2.7 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 1.5 | 3000- 6) | | | | 2.7 | | 5/25/15-05/29/915 A | MR 2-7 | 3911 9353 |
| 17(5) | | 4/04/47-04/05/947 H | UMV - | 4134 8805 | 18(4) | | 3/23/13-03/27/913 A | DR 1-15 | 4022 8346 |
| 3.9 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 3.1 | | 5/19/12-05/22/912 A | GL 3-1 | 4359 8429 |
| 3.8 | | 3/26/54-03/25/954 H | UMV 4-16 | 3929 8811 | 2.7 | | 5/10/16-05/12/914 A | GL 2-15 | 4154 8401 |
| 3.2 | | | | | 1.7 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 2.9 | | | | | 1.4 | | | | |
| 1.5 | | | | | | | | | |
| 19(8) | | 5/30/89-06/01/889 A | SA 1-1 | 4145 7717 | 20(1) | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 6.7 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 7752 | 3.0 | | | | |
| 2.8 | | 5/19/42-05/23/942 A | NA 2-5 | 4048 7008 | | | | | |
| 2.5 | | 5/17/94-05/22/894 A | NA 1-4 | 3926 7514 | | | | | |
| 2.0 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 21(0) | | | | | 22(2) | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 2.9 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 1.9 | | | | |
| 23(3) | | 4/05/26-04/10/926 H | - | 3451 11200 | 24(1) | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 2.0 | | 4/09/05-04/13/905 H | - | 3414 11247 | 0.9 | | | | |
| 1.2 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 1.0 | | | | | | | | | |
| 25(4) | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 26(10) | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 3.9 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 9.1 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 3.9 | | 5/26/32-05/30/937 A | GM 3-17 | 3449 10344 | 6.2 | | 5/30/06-06/01/906 A | HR 1-20 | 3750 9541 |
| 1.4 | | 4/17/42-04/21/942 A | SW 3-6 | 3655 10258 | 2.3 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 1.1 | | | | | 4.3 | | 4/07/27-04/09/927 A | MR 3-11 | 3740 9529 |
| 27(12) | | 4/17/27-04/21/927 A | SW 2-4 | 3441 9305 | 28(7) | | 3/21/29-03/23/929 A | DR 7-15 | 3548 8538 |
| 4.8 | | 4/06/22-04/11/922 A | MR 2-28 | 3815 9321 | 5.4 | | 3/25/02-03/29/902 A | LHV 2-7 | 3442 8837 |
| 3.7 | | 4/12/11-04/15/911 A | LHV 1-8 | 3433 9237 | 4.9 | | 5/21/57-05/23/957 H | LHV 1-12 | 3525 8839 |
| 3.2 | | 5/25/93-05/29/893 A | SW 1-1 | 3444 9049 | 4.8 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 3.2 | | 5/09/78-05/13/918 A | LHV 1-11 | 3620 9230 | 4.5 | | | | |
| 3.3 | | | | | | | | | |
| 29(4) | | 3/14/12-03/15/912 A | SA 2-7 | 3519 8059 | 30(2) | | 5/18/01-05/22/901 A | SA 2-4 | 3432 7900 |
| 3.9 | | 3/11/63-03/12/963 H | - | 3448 8342 | 2.9 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 3.5 | | 3/28/86-04/01/886 H | - | 3222 8247 | 1.7 | | | | |
| 2.5 | | 3/12/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 1.8 | | | | | | | | | |
| 31(0) | | | | | 32(1) | | 3/11/41-03/17/941 H | - | 3323 11100 |
| | | | | | 0.8 | | | | |
| 33(0) | | | | | 34(1) | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| | | | | | 2.1 | | | | |
| 35(9) | | 5/31/35-05/31/935 H | - | 2920 9928 | 36(20) | | 5/16/35-05/20/935 A | LHV 4-21 | 3059 9148 |
| 8.6 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 10.2 | | 3/24/14-03/28/914 A | LHV 3-19 | 1046 9132 |
| 7.9 | | 5/28/07-05/31/907 A | LHV 2-5 | 3155 8942 | 9.0 | | 3/11/21-03/14/921 A | LHV 2-15 | 3106 9028 |
| 7.4 | | 4/22/15-04/26/915 A | GM 4-1 | 3018 9742 | 7.2 | | 5/02/35-05/07/935 A | LHV 4-20 | 3041 9144 |
| 6.4 | | 5/16/49-05/17/949 R | - | 3249 9721 | 6.8 | | | | |
| 6.1 | | | | | 6.5 | | | | |
| 37(8) | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 38(3) | | 5/21/06-05/26/906 A | SA 4-9 | 3005 8111 |
| 10.2 | | 4/15/11-04/18/900 A | LHV 2-5 | 3247 8750 | 3.1 | | 3/03/29-03/05/929 A | SA 3-19 | 3235 8414 |
| 9.0 | | 4/12/11-04/16/924 H | - | 3155 8942 | 2.3 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8444 |
| 7.4 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | 1.9 | | | | |
| 4.7 | | 5/24/09-05/28/909 A | LHV 2-9 | 3239 8953 | | | | | |
| 4.6 | | | | | | | | | |
| 39(1) | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 40(1) | | 4/14/42-04/17/942 A | SA 5-7 | 2638 8008 |
| 5.0 | | | | | 4.5 | | | | |

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 2.6 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 1.9 | | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 1.6 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(4) | | | | | 4(2) | | | | |
| 2.9 | | 3/30/31-04/02/931 H | - | 4630 11450 | 2.9 | | 5/17/38-05/20/938 A | MR 5-6 | 4550 10957 |
| 2.7 | | 5/11/05-05/13/900 A | MR 5-11 | 4638 11142 | 2.2 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 1.9 | | 3/19/02-05/20/902 A | MR 5-12 | 4748 10328 | | | | | |
| B 1.3 | | 3/15/32-03/19/932 R | | 4410 11055 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 2.6 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 4.4 | 2000- 12) | 4/22/32-04/24/932 H | - | 4600 9852 |
| 2.3 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 4.3 | | 4/25/56-04/27/954 H | - | 4535 9532 |
| 1.3 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 3.0 | | 3/29/33-05/30/933 H | - | 4658 9503 |
| 0.8 | | 3/13/45-03/17/945 A | MR 6-11 | 4853 10423 | 1.9 | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 7(3) | | | | | 8(2) | | | | |
| 3.6 | | 5/27/42-05/31/942 H | - | 4458 9306 | 2.0 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 3.0 | | 5/18/65-05/21/960 H | - | 4435 9339 | 1.8 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 2.8 | | 5/28/43-05/01/943 H | - | 4412 9015 | | | | | |
| 9(2) | | | | | 10(6) | | | | |
| 3.6 | | 3/09/36-03/15/936 H | - | 4416 7115 | 5.8 | | 3/15/07-03/27/907 R | - | 3955 12125 |
| 2.4 | | 3/17/36-03/19/936 H | - | 4416 7115 | B 3.6 | 1903- 12) | 3/22/28-03/27/928 H | - | 3905 12150 |
| | | | | | B 1.8 | 25055- 12) | 5/09/15-05/11/915 R | - | 3945 12115 |
| | | | | | B 1.5 | 25055- 12) | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | | | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(3) | | | | | 12(1) | | | | |
| B 1.4 | | 5/15/77-05/15/911 R | - | 4300 11645 | 1.3 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| B 1.2 | | 2/05/25-04/01/940 R | - | 4305 11645 | | | | | |
| B 1.1 | | 2/05/25-04/06/925 R | - | 4145 11525 | | | | | |
| 13(8) | | | | | 14(2) | | | | |
| 3.5 | | 5/05/73-05/06/973 R | - | 3955 10506 | 2.2 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 3.0 | | 5/04/43-05/08/969 R | - | 4016 10528 | 2.8 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 2.9 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 2.1 | | 5/29/94-05/31/894 A | MR 6-14 | 4006 10532 | | | | | |
| | | 5/01/04-05/03/904 A | MR 4-6 | 4059 10511 | | | | | |
| 15(5) | | | | | 16(7) | | | | |
| 7.8 | | 5/08/50-05/08/950 H | - | 4036 9628 | 3.6 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 4.6 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 3.6 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 3.6 | | 5/31/47-06/01/947 A | MR 8-8 | 4142 9721 | 3.6 | | 5/25/15-05/29/915 A | MR 2-7 | 3911 9353 |
| 2.5 | | 5/10/44-05/12/944 A | MR 6-13 | 4212 9732 | 3.5 | | 5/02/19-05/04/919 A | MR 2-20 | 4014 9440 |
| 1.7 | 3000- 12) | 5/25/47-05/30/947 A | MR 8-6 | 4101 9553 | 3.2 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| 17(5) | | | | | 18(4) | | | | |
| 4.7 | | 4/04/47-04/05/947 H | - | 4134 8805 | 3.6 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 4.9 | | 5/17/27-05/19/927 H | UMV 4-12 | 4040 8941 | 3.6 | | 5/19/12-05/22/912 A | GL 3-1 | 4359 8429 |
| 3.9 | | 3/24-5-03/25/954 H | - | 4123 8928 | 2.3 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 3.5 | | 5/26/56-05/28/956 H | - | 4020 8810 | 2.1 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 2.5 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 7.7 | | 5/30 89-06/01/889 A | SA 1-1 | 4145 7717 | 4.7 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 4.5 | | 5/19/42-05/23/942 A | NA 2-5 | 4048 7608 | | | | | |
| 3.7 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 3.7 | | 5/17/94-05/22/894 A | NA 1-4 | 3926 7514 | | | | | |
| 3.1 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 7752 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 3.2 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 3.5 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| 23(3) | | | | | 24(1) | | | | |
| 2.7 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.6 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 1.7 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 1.6 | | 4/09/05-04/13/905 H | - | 3414 11247 | | | | | |
| 25(4) | | | | | 26(10) | | | | |
| 6.0 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 10.7 | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 2.8 | | 4/29/16-05/02/914 A | SW 1-16 | 3620 10306 | 7.9 | | 5/12/43-05/20/943 A | SW 2-21 | 3532 9404 |
| 2.4 | | 5/6 1-15/30/937 A | GM 5-17 | 3449 10344 | 6.3 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 1.8 | | 4/17/42-04/21/942 A | SW 3-6 | 3655 10258 | 6.2 | | 4/07/27-04/09/927 A | MR 3-11 | 3740 9529 |
| | | | | | 5.2 | | 5/30/06-06/01/906 A | MR 1-20 | 3750 9541 |
| 27(12) | | | | | 28(7) | | | | |
| 7.5 | | 4/17/27-04/21/927 A | SW 2-4 | 3441 9305 | 7.7 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 5.6 | | 5/25/93-05/29/893 A | SW 1-1 | 3444 9049 | 7.4 | | 3/25/02-03/29/902 A | LHV 2-7 | 3442 8557 |
| 5.1 | | 5/09/18-05/13/918 A | LMV 1-11 | 3620 9230 | 7.3 | | 3/15/19-03/17/919 A | LMV 1-12 | 3525 8839 |
| 4.9 | | 4/06/22-04/11/922 A | MR 2-28 | 3815 9321 | 5.5 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 4.9 | | 3/31/17-04/02/917 A | UMV 3-4 | 3549 9341 | 5.3 | | 5/21/57-05/23/957 H | - | 3744 8832 |
| 29(4) | | | | | 30(2) | | | | |
| 5.7 | | 3/14/12-03/15/912 A | SA 2-7 | 3519 8059 | 4.6 | | 5/18/05-05/22/901 A | SA 2-4 | 3437 7900 |
| 4.7 | | 3/20 86-04/01/886 H | - | 3522 8227 | 2.8 | | 5/07/24-05/12/924 A | SA 1-24 | 3494 7830 |
| 4.5 | | 3/11 03-03/12/963 H | - | 3448 8342 | | | | | |
| 2.9 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.6 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 3.0 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 10.0 | | | | | 10.3 | | 5/16/35-05/20/935 A | LHV 4-21 | 3059 9148 |
| 8.8 | 1000- 10) | 5/31 31-05/31/935 H | GM | 2920 9928 | 9.9 | | 5/02/35-05/07/935 A | LHV 4-20 | 3041 9144 |
| 8.6 | | 5/16/49-05/17/949 R | - | 3249 9721 | 9.7 | | 4/25/53-05/04/953 A | LHV 5-3 | 3104 9312 |
| 8.1 | | 4/22/13-04/26/915 A | GM 4-1 | 3018 9742 | | | 3/24/14-03/28/914 A | LHV 3-19 | 3046 9332 |
| 7.7 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | | | | | |
| 37(8) | | | | | 38(3) | | | | |
| 11.8 | | 3/11 05-03/12/963 H | LHV 2-20 | 3125 8604 | 5.2 | | 5/21/06-05/26/906 A | SA 4-9 | 3065 8151 |
| 9.1 | | 4/15/01-04/18/900 A | LHV 2-5 | 3247 8750 | 3.4 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 7.2 | | 4/12/74-04/14/974 H | - | 3155 8942 | 3.0 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 6.6 | | 5/24/09-05/28/909 A | LHV 2-9 | 3239 8953 | | | | | |
| 6.4 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 5.5 | | 3/22/25-05/29/925 A | GM 4-21 | 2843 10030 | 6.5 | | 4/14/42-04/17/942 A | SA 5-7 | 2658 8008 |

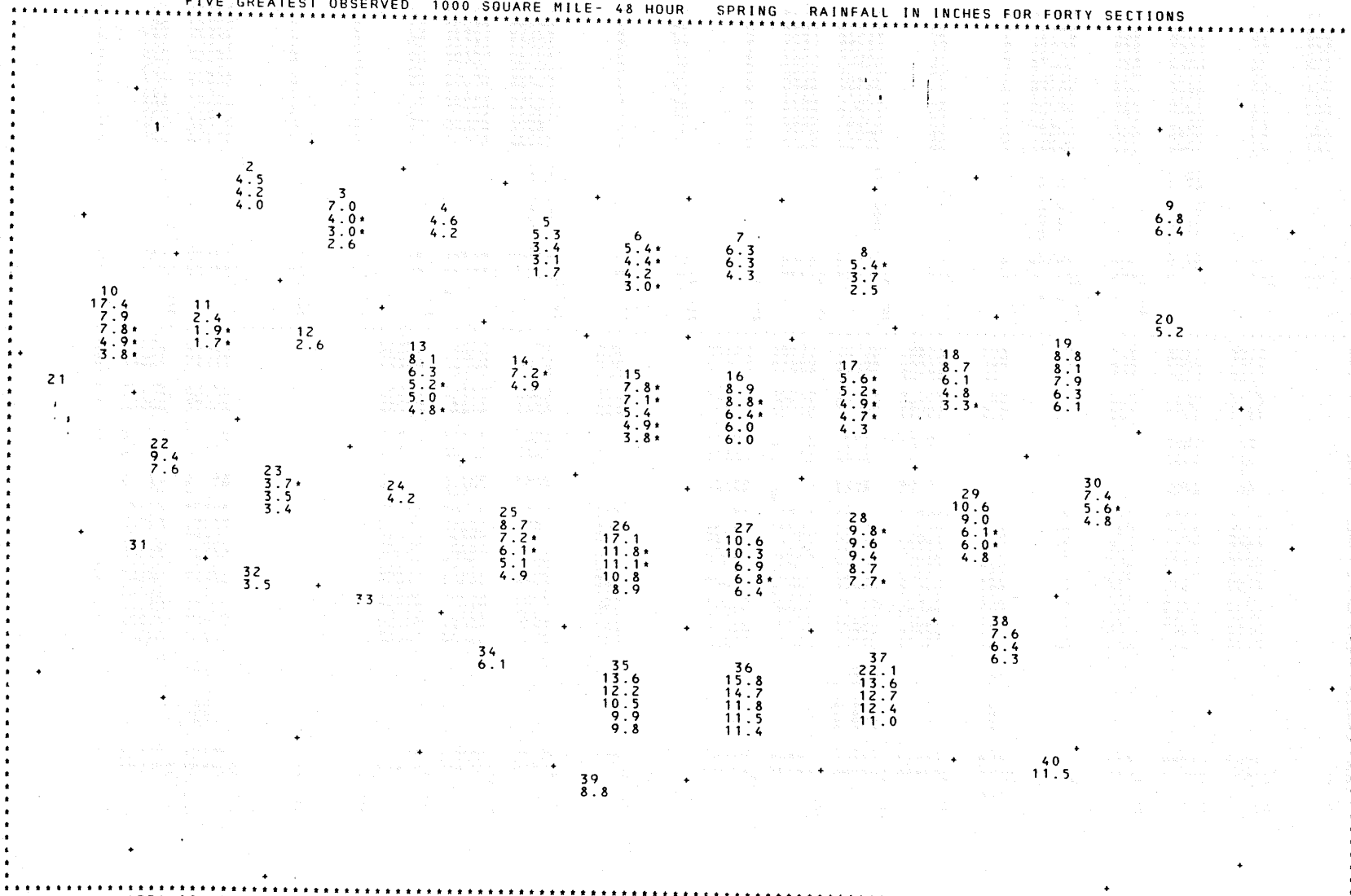
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|----------------------|---------------------|-------------------------------|----------------------|-------------------|----------------------|---------------------|-------------------------------|----------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 4.1 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 3.2 | | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 2.5 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(4) | | 3/30/31-04/02/931 H | - | 4630 11450 | 4(2) | | 5/17/38-05/20/938 A | MR 5-6 | 4550 10957 |
| 3.5 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 3.4 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 2.8 | | 5/19/02-05/20/902 A | MR 5-12 | 4850 11245 | | | | | |
| B 1.8 | | 3/15/32-03/19/932 R | - | 4410 11055 | | | | | |
| 5(4) | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 6(4) | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 3.8 | | 5/25/29-05/30/929 A | MR 4-22 | 4657 10349 | 5.2(2000- 24) | | 4/22/32-04/24/932 H | - | 4600 9852 |
| 3.3 | | 4/11/12-04/14/912 A | MR 6-11 | 4853 10423 | 4.4(1000- 18) | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 2.0 | | | | | 3.0(1000- 12) | | 3/29/33-03/30/933 H | - | 4658 9503 |
| 1.2 | | | | | | | | | |
| 7(3) | | 5/27/42-05/31/942 H | - | 4458 9306 | 8(3) | | 4/28/14-04/29/914 H | - | 4646 8458 |
| 5.9 | | 5/18/60-05/21/960 H | - | 4435 9335 | 4.3 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 4.4 | | 5/28/43-06/01/943 H | - | 4412 9015 | 3.0 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 3.3 | | | | | 2.5 | | | | |
| 9(2) | | 3/09/36-03/15/936 H | - | 4416 7115 | 10(6) | | 3/15/07-03/27/907 R | - | 3955 12125 |
| 5.1 | | 3/17/36-03/19/936 H | - | 4416 7115 | 10.4 | | 3/22/28-03/27/928 H | - | 3905 12150 |
| 4.4 | | | | | B 4.8(1903- 24) | | 5/09/15-05/11/915 R | - | 3945 12115 |
| | | | | | B 2.8(25055- 24) | | 3/16/07-03/19/907 H | - | 4006 12200 |
| | | | | | 2.6 | | 5/11/41-05/14/941 R | - | 3930 12100 |
| 11(3) | | 4/05/25-04/06/925 R | - | 4145 11525 | 12(1) | | 5/31/43-06/05/943 R | - | 4036 11135 |
| B 1.9 | 1000- 18) | 5/15/11-05/15/911 R | - | 4300 11645 | 2.0 | | | | |
| B 1.7(| | 3/25/40-04/01/940 R | - | 4305 11645 | | | | | |
| B 1.6 | | | | | | | | | |
| 13(8) | | 5/04/69-05/08/969 R | MR 4-19 | 4016 10325 | 14(2) | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 5.5 | | 4/14/21-04/16/921 A | MR 6-14 | 4243 10523 | 7.2 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 4.8 | | 5/05/73-05/06/933 R | MR 4-6 | 3955 10506 | 3.7 | | | | |
| 4.7 | | 5/29/94-05/31/894 A | MR 4-6 | 4004 10532 | | | | | |
| 4.6 | | 5/01/04-05/03/904 A | MR 4-6 | 4059 10511 | | | | | |
| 3.4 | | | | | | | | | |
| 15(5) | | 5/08/50-05/08/950 H | MR 2-19 | 4036 9628 | 16(8) | | 4/22/97-04/24/897 H | MR 2-7 | 4053 9400 |
| 7.8(1000- 12) | | 3/31/47-06/01/947 A | MR 8-8 | 4142 9721 | 6.1(2000- 24) | | 5/25/15-05/29/915 A | MR 3-25 | 3911 9333 |
| 5.0 | | 5/10/44-05/12/944 A | MR 8-6 | 4212 9732 | 5.1 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 3.8(1000- 20) | | 5/25/47-05/30/947 A | MR 8-6 | 4101 9553 | 5.1 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 2.7 | | | | | 4.6 | | 4/22/50-04/25/950 H | - | 4055 9038 |
| 2.5(3000- 24) | | | | | | | | | |
| 17(5) | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 18(4) | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 5.1 | | 4/04/47-04/05/947 H | - | 4134 8805 | 6.6 | | 5/19/12-05/22/912 A | GL 3-1 | 4359 8429 |
| 4.9 | | 3/24/54-03/25/954 H | - | 4123 8928 | 4.6 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 4.7 | | 5/26/56-05/28/956 H | UMV 4-16 | 4020 8810 | 3.0 | | 3/13/13-05/14/918 A | GL 2-17 | 4217 8436 |
| 3.9 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | 5/30/89-06/01/889 A | SA 1-1 | 4145 7717 | 20(1) | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 8.3 | | 4/25/37-04/28/937 A | SA 5-13 | 3940 7754 | 5.0 | | | | |
| 6.1 | | 5/17/94-05/22/894 A | NA 1-4 | 3926 7514 | | | | | |
| 5.1 | | 5/19/42-05/23/942 A | NA 2-5 | 4048 7608 | | | | | |
| 5.0 | | 5/25/46-05/28/946 A | NA 2-12 | 4120 7745 | | | | | |
| 4.7 | | | | | | | | | |
| 21(0) | | | | | 22(2) | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 6.5 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 5.9 | | | | |
| 23(3) | | 4/05/26-04/10/926 H | - | 3451 11200 | 24(1) | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 3.5 | | 4/09/05-04/13/905 H | - | 3414 11247 | 2.3 | | | | |
| 2.5 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 2.4 | | | | | | | | | |
| 25(4) | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 26(12) | | 5/15/57-05/16/957 H | - | 3602 9756 |
| 7.9 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 11.8(1000- 20) | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 6.0 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 11.1(1000- 18) | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 3.3 | | 4/17/42-04/21/942 A | SW 3-6 | 3655 10258 | 8.5 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 3.1 | | | | | 7.3 | | 5/25/05-05/31/905 A | MR 1-9 | 3849 9736 |
| 27(12) | | 4/17/27-04/21/927 A | SW 2-4 | 3441 9305 | 28(7) | | 3/15/19-03/17/919 A | LNV 1-12 | 3525 8839 |
| 10.0 | | 5/25/95-05/29/893 A | SW 1-1 | 3444 9049 | 9.3 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 7.7 | | 3/24/04-03/26/904 A | UMV 2-4 | 3659 9159 | 8.6 | | 3/25/02-03/29/902 A | LNV 2-7 | 3442 8857 |
| 6.3 | | 5/09/18-05/13/918 A | LNV 1-11 | 3620 9230 | 6.9 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 5.7 | | 3/31/17-04/02/917 A | UMV 3-4 | 3549 9341 | B 6.5 | | 3/11/75-03/14/975 H | - | 3558 8613 |
| 5.2 | | | | | | | | | |
| 29(5) | | 3/26/86-04/01/886 H | - | 3522 8247 | 30(2) | | 5/18/01-05/22/901 A | SA 2-4 | 3432 7900 |
| 7.8 | | 3/01/67-03/07/867 H | - | 3507 8325 | 6.2 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 6.8 | | 3/14/12-03/15/912 A | SA 2-7 | 3519 8059 | 4.2 | | | | |
| 6.1 | | 3/11/63-03/12/963 H | - | 3448 8342 | | | | | |
| 5.1 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 4.0 | | | | | | | | | |
| 31(0) | | | | | 32(1) | | 3/11/41-03/17/941 H | - | 3323 11100 |
| | | | | | 2.2 | | | | |
| 33(0) | | | | | | | | | |
| 35(9) | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 34(1) | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 12.2 | | 4/22/15-04/26/915 A | GM 4-1 | 3018 9742 | 4.9 | | | | |
| 8.9(1000- 18) | | 5/16/49-05/17/949 R | - | 3240 9721 | | | | | |
| 8.8(1000- 10) | | 5/31/35-05/31/935 H | LNV 3-13 | 2920 9928 | | | | | |
| 8.7 | | 5/28/07-05/31/907 A | LNV 3-13 | 2936 9538 | | | | | |
| 37(9) | | 3/11/29-03/16/929 A | LNV 2-20 | 3125 8604 | 36(20) | | 4/12/27-04/16/927 A | LNV 4-8 | 2940 9005 |
| 16.1 | | 4/15/00-04/18/900 A | LNV 2-5 | 3247 8750 | 14.7 | | 5/11/53-05/19/953 A | LNV 5-4 | 3146 9149 |
| 11.3 | | 4/12/74-04/14/974 H | - | 3155 8942 | 14.0 | | 4/23/53-05/04/953 A | LNV 5-8 | 3104 9312 |
| 10.1 | | 3/22/97-03/23/897 H | GM 2-25 | 3208 8802 | 11.1 | | 5/02/35-05/07/935 A | LNV 4-20 | 3041 9144 |
| 8.9 | | 4/05/36-04/09/938 A | GM 2-25 | 3208 8802 | 10.7 | | 3/24/14-03/28/914 A | LNV 3-19 | 3046 9332 |
| 7.9 | | | | | | | | | |
| 39(1) | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 38(3) | | 5/21/06-05/26/906 A | SA 4-9 | 3005 8151 |
| 7.1 | | | | | 5.9 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| | | | | | 4.6 | | 4/05/36-04/10/936 A | SA 1-1A | 3344 8244 |
| | | | | | | | | | |
| | | | | | 40(1) | | 4/14/42-04/17/942 A | SA 5-7 | 2638 8008 |
| | | | | | 7.3 | | | | |

FIVE GREATEST OBSERVED 1000 SQUARE MILE- 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

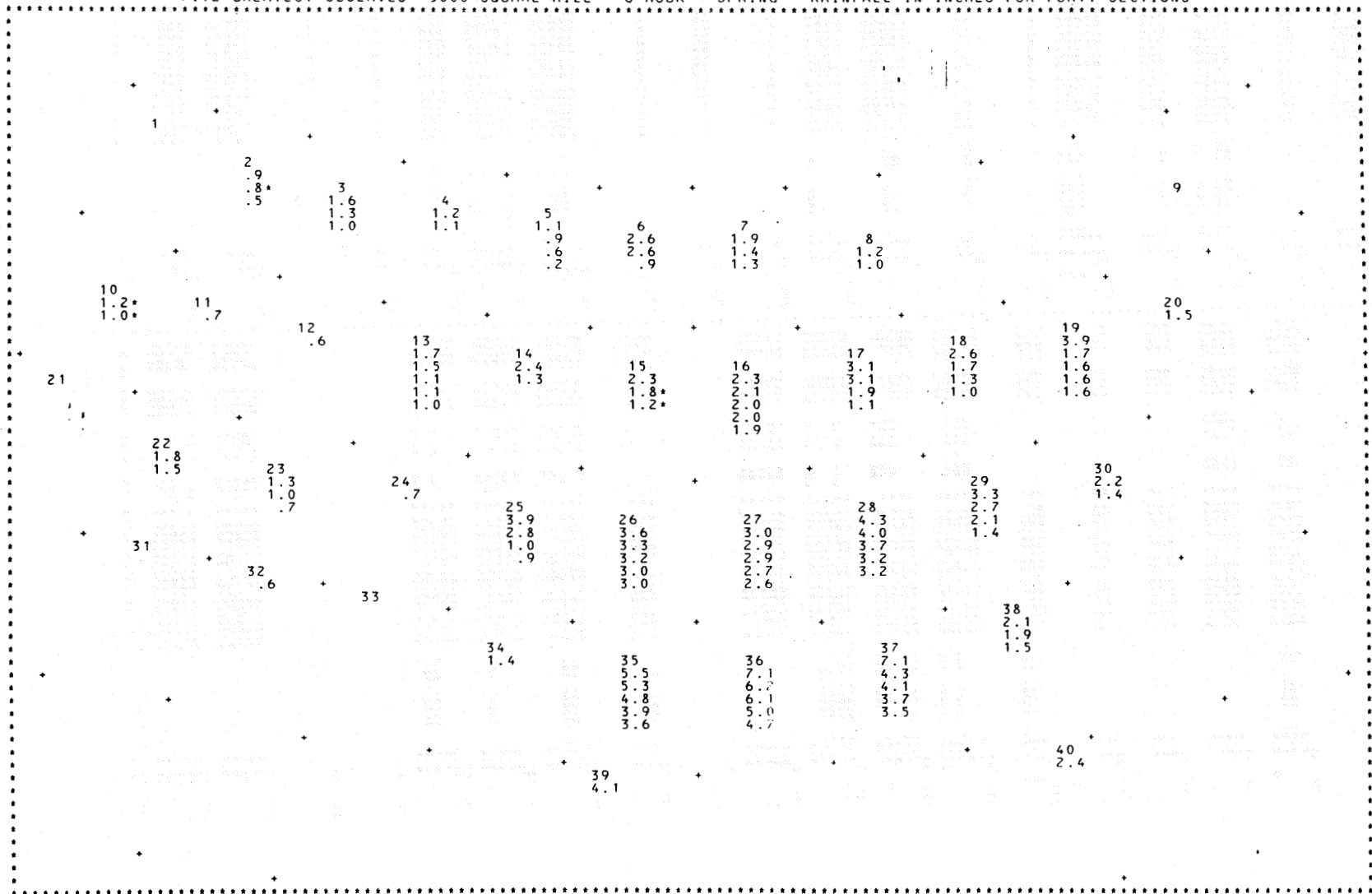


* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|------------------|------------------|---------------------|-------------------------|-------------------|-------------------|------------------|---------------------|-------------------------|-------------------|
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 4.5 | | 3/24/35-03/26/935 H | | 4723 11524 |
| | | | | | 4.2 | | 3/30/31-04/02/931 H | | 4601 11807 |
| | | | | | 4.0 | | 5/26/06-05/30/906 H | | 4548 11224 |
| 3(4) | | | | | 4(2) | | | | |
| 7.0 | | 3/30/31-04/02/931 H | | 4630 11450 | 4.6 | | | | |
| 4.0(1000- 42) | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 4.2 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 2.0(1000- 30) | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 2.6 | | 3/15/32-03/19/932 R | | 4410 11055 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 3.3 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 5.4(2000- 30) | | 4/25/54-04/27/934 H | | 4535 9553 |
| 3.4 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 4.4(1000- 18) | | 4/22/32-04/24/932 H | | 4600 9852 |
| 5.1 | | 4/11/13-04/14/912 A | MR 5-19 | 4748 10328 | 4.2(1000- 12) | | 3/02/66-03/05/966 H | | 4714 9835 |
| 1.7 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 3.0(1000- 12) | | 3/29/33-03/30/933 H | | 4658 9503 |
| 7(3) | | | | | 8(3) | | | | |
| 6.3 | | 5/27/42-05/31/942 H | | 4458 9306 | 5.4(1000- 42) | | 4/28/14-04/29/914 H | | 4646 8458 |
| 6.3 | | 5/18/65-05/21/960 H | | 4435 9335 | 3.7 | | 4/27/09-03/02/909 H | | 4437 8447 |
| 4.3 | | 5/28/43-06/01/943 H | | 4412 9015 | 2.5 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 9(2) | | | | | 10(6) | | | | |
| 6.8 | | 3/17/36-03/19/936 H | | 4416 7115 | 7.4 | | 3/15/07-03/27/907 R | | 3955 12125 |
| 6.4 | | 3/09/36-03/15/936 H | | 4416 7115 | 7.9 | | 5/09/15-05/11/915 R | | 3945 11123 |
| 11(3) | | | | | B 7.8(1903- 48) | | 3/22/28-03/27/928 H | | 3905 12130 |
| B 2.4 | | 3/23/40-04/01/940 R | | 4305 11645 | B 4.9(25055- 48) | | 3/16/07-03/19/907 H | | 4000 12200 |
| B 1.9(1000- 24) | | 4/03/25-04/06/925 R | | 4145 11525 | B 3.8(25055- 48) | | 3/22/28-03/27/928 H | | 4000 12200 |
| B 1.7(1000- 18) | | 5/11/11-05/15/911 R | | 4300 11645 | 12(1) | | 5/31/43-06/05/943 R | | 4036 11135 |
| 13(8) | | | | | 14(2) | | | | |
| 8.1 | | 5/04/69-05/08/969 R | | 4016 10525 | 7.2(1000- 24) | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 6.3 | | 3/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 4.9 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 5.2(1000- 42) | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 5.0 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 4.8(1000- 30) | | 5/05/73-05/06/973 R | | 3955 10506 | | | | | |
| 15(6) | | | | | 16(9) | | | | |
| 7.8(1000- 12) | | 5/08/50-05/08/950 H | | 4036 9628 | 8.9 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 7.1(1000- 36) | | 3/30/51-06/02/951 H | | 4118 9708 | 8.8(1000- 30) | | 5/16/74-05/18/974 H | | 3921 9447 |
| 5.4 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 6.0(2000- 48) | | 4/22/97-04/24/897 H | | 4053 9400 |
| 4.9(1000- 42) | | 5/10/44-05/12/944 A | MR 6-13 | 4212 9732 | 6.0 | | 5/28/41-05/31/941 H | | 4313 9147 |
| 3.8(1000- 20) | | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9721 | 6.0 | | 5/30/19-06/04/919 A | MR 2-21 | 4067 9520 |
| 17(5) | | | | | 18(4) | | | | |
| 5.6(1000- 42) | | 4/04/47-04/05/947 H | | 4134 8805 | 8.7 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 5.2(1000- 36) | | 5/17/27-04/05/927 A | UMV 4-12 | 4040 8941 | 6.1 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.9(1000- 24) | | 3/24/54-03/25/954 H | | 4123 8928 | 4.8 | | 5/10/18-05/12/914 A | GL 2-15 | 4154 8401 |
| 4.7(1000- 24) | | 3/26/56-05/28/956 H | | 4020 8810 | 3.3(1000- 36) | | 3/13/18-03/14/914 A | GL 2-17 | 4217 8436 |
| 4.3 | | 3/09/59-03/12/959 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 8.8 | | 5/35/89-06/01/889 A | SA 1- 1 | 4145 7717 | 5.2 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 8.1 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 7.9 | | 3/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 6.3 | | 3/19/42-05/23/942 A | NA 2- 5 | 4048 7608 | | | | | |
| 6.1 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 9.4 | | 4/04/26-04/09/926 H | | 3413 11803 |
| | | | | | 7.6 | | 3/11/05-03/17/905 H | | 3418 11806 |
| 23(3) | | | | | 24(1) | | | | |
| 3.7(1000- 36) | | 4/05/26-04/10/926 H | | 3451 11200 | 4.2 | | 4/19/33-04/22/933 R | | 3808 10528 |
| 3.5 | | 4/09/05-04/13/905 H | | 3414 11507 | | | | | |
| 3.4 | | 3/12/05-03/20/905 H | | 3419 11125 | | | | | |
| 25(5) | | | | | 26(12) | | | | |
| 8.7 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 17.1 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 7.2(2000- 48) | | 4/04/00-04/05/900 H | | 3724 10237 | 11.8(1000- 20) | | 5/15/57-05/16/957 H | SW 2- 2 | 3602 9736 |
| 6.1(1000- 30) | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 11.1(1000- 18) | | 4/03/34-04/04/934 A | SW 2-11 | 3537 9940 |
| 5.1 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 10.8 | | 5/12/42-05/20/943 A | SW 2-21 | 3552 9604 |
| 4.9 | | 5/26/37-05/30/937 A | SW 5-17 | 3449 10344 | 8.9 | | 5/25/03-05/31/903 A | MR 1- 9 | 3849 9736 |
| 27(12) | | | | | 28(7) | | | | |
| 10.6 | | 5/25/53-05/29/893 A | SW 1- 1 | 3444 9049 | 9.8(1000- 36) | | 3/15/19-03/17/919 A | LHV 1-12 | 3525 8839 |
| 10.3 | | 4/7/27-04/21/927 A | SW 2- 4 | 3444 9305 | 9.6 | | 3/25/02-03/29/902 A | LHV 2- 7 | 3442 8837 |
| 6.9 | | 5/09/18-05/13/918 A | LHV 1-11 | 3620 9230 | 9.7 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 6.8(1000- 42) | | 3/24/24-03/26/904 A | UMV 2- 4 | 3659 9159 | B 8.7 | | 3/11/75-03/14/975 H | | 3558 8613 |
| 6.4 | | 4/7/21-04/15/911 A | LHV 1- 8 | 3433 9237 | 7.7(1000- 42) | | 3/11/63-03/12/963 H | | 3507 8522 |
| 29(5) | | | | | 30(3) | | | | |
| 10.6 | | 3/26/84-04/01/886 H | | 3522 8247 | 7.4 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 9.0 | | 3/21/87-03/07/867 H | | 3507 8325 | 5.6(1000- 36) | | 4/17/10-04/18/910 H | SA 2-21A | 3650 7740 |
| 6.1(1000- 30) | | 3/24/12-03/15/912 A | SA 2- 7 | 3519 8059 | 4.8 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 6.0(1000- 42) | | 3/11/63-03/12/963 H | | 3448 8342 | | | | | |
| 4.8 | | 3/21/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 3.5 | | 3/11/41-03/17/941 H | | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 6.1 | | 5/20/41-05/25/941 A | GH 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 13.6 | | 3/28/45-04/02/945 A | SW 3- 5 | 3220 9545 | 15.8 | | 5/11/53-05/19/953 A | LHV 5- 4 | 3146 9149 |
| 12.2 | | 5/25/29-05/30/929 A | GH 4-24 | 3012 9813 | 14.7 | | 4/12/27-04/16/927 A | LHV 4- 8 | 2940 9005 |
| 10.5 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | 11.8 | | 4/15/53-05/04/953 A | LHV 5- 3 | 3104 9312 |
| 9.9 | | 5/22/36-05/28/936 A | GH 5- 5 | 2955 9653 | 11.5 | | 4/24/14-04/28/914 A | GH 3-26 | 3046 9332 |
| 9.8 | | 4/24/22-04/27/922 A | GH 4-15 | 3245 9748 | 11.4 | | 5/07/07-05/10/907 A | LHV 3-12 | 3014 9159 |
| 37(9) | | | | | 38(3) | | | | |
| 22.1 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 7.6 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 13.6 | | 4/12/74-04/14/974 H | LHV 2- 5 | 3247 8750 | 6.4 | | 4/05/36-04/10/936 A | SA 3-19 | 3344 8244 |
| 12.7 | | 4/15/00-04/18/900 A | GM 2-25 | 3208 8802 | 6.3 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 12.4 | | 4/05/33-04/09/933 A | | 3120 8537 | | | | | |
| 11.0 | | 3/22/99-03/23/897 H | | | | | | | |
| 1 | | | | | 40(1) | | | | |
| 2.8 | | 5/27/25-05/29/925 A | GH 4-21 | 2843 10030 | 11.5 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

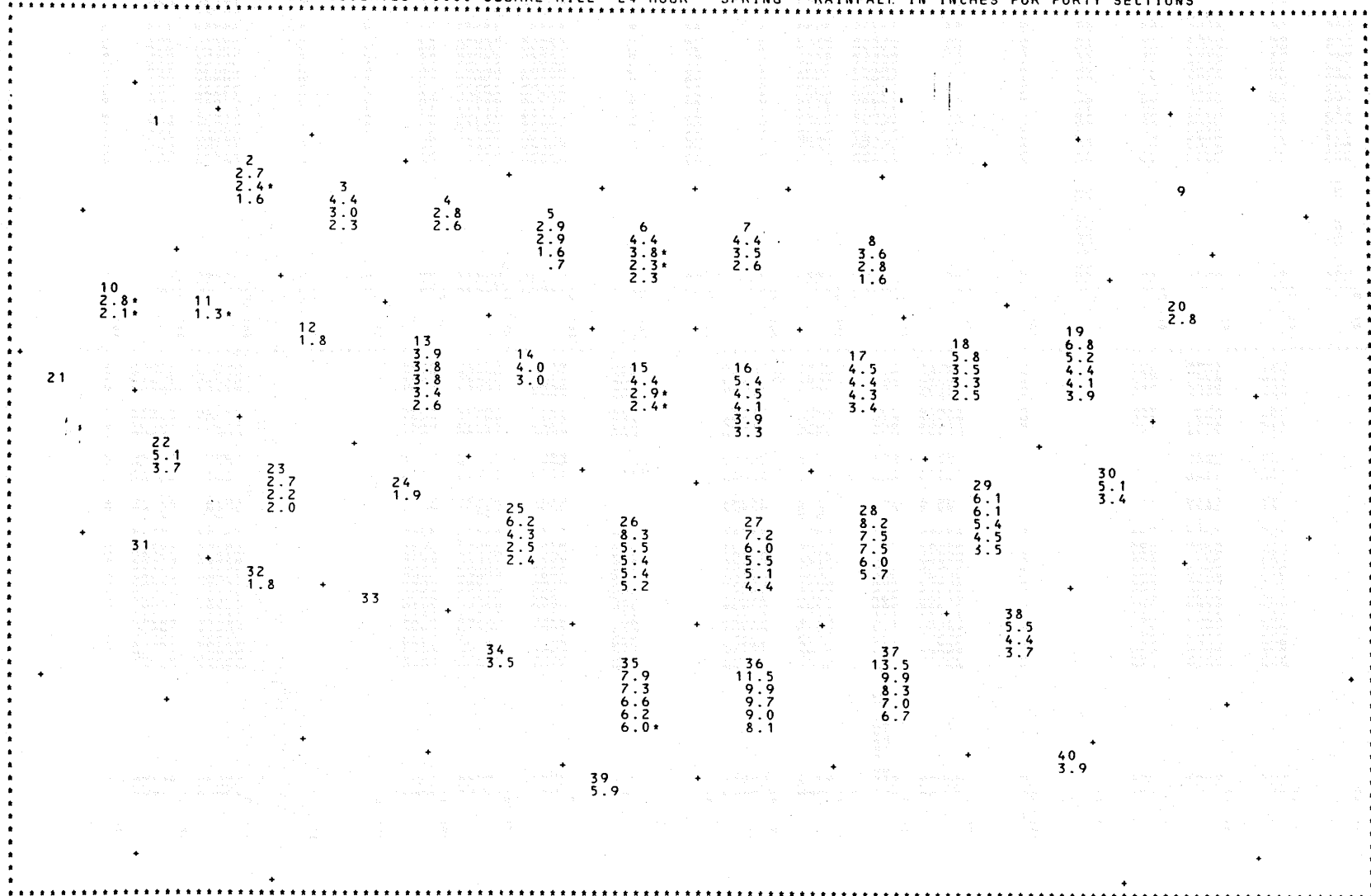
STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| 10(0) | | | | | 2(3) | | | | |
| | | | | | 0.9 | | 3/30/31-04/02/931 H | | 4601 11807 |
| | | | | | 0.8 | 6000- 6) | 3/24/35-03/26/935 H | | 4723 11524 |
| | | | | | 0.5 | | 5/26/06-05/30/906 H | | 4548 11824 |
| 3(3) | | | | | 4(2) | | | | |
| 1.6 | | 3/30/31-04/02/931 H | | 4630 11450 | 1.2 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 1.3 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 1.1 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 1.0 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| 5(4) | | | | | 6(3) | | | | |
| 1.1 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 2.6 | | 4/22/32-04/24/932 H | | 4600 9852 |
| 0.9 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 2.6 | | 4/25/54-04/27/954 H | | 4535 9555 |
| 0.6 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 0.9 | | 3/02/66-03/05/966 H | | 4714 9835 |
| 0.2 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | | | | | |
| 7(3) | | | | | 8(2) | | | | |
| 1.9 | | 5/27/42-05/31/942 H | | 4458 9306 | 1.2 | | 4/27/09-05/02/909 H | | 4437 8447 |
| 1.4 | | 5/18/60-05/21/960 H | | 4435 9335 | 1.0 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 1.3 | | 5/28/43-06/01/943 H | | 4412 9015 | | | | | |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | 1.2 | 25055- 6) | 3/22/28-03/27/928 H | | 4000 12200 |
| | | | | | B 1.0 | 25055- 6) | 3/16/07-03/19/907 H | | 4000 12200 |
| 11(1) | | | | | 12(1) | | | | |
| B 0.7 | | 5/15/11-05/15/911 R | | 4300 11645 | 0.6 | | 5/31/43-06/05/943 R | | 4036 11135 |
| 13(7) | | | | | 14(2) | | | | |
| 1.7 | | 5/05/73-05/06/973 R | | 3955 10506 | 2.4 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 1.1 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 1.3 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 1.1 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 1.1 | | 5/04/69-05/08/969 R | | 4016 10325 | | | | | |
| 1.0 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 15(3) | | | | | 16(7) | | | | |
| 2.3 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 2.3 | | 5/02/19-05/04/919 A | MR 2-20 | 4014 9440 |
| 1.3 | 5350- 6) | 5/31/42-06/04/942 A | MR 8- 8 | 4142 9721 | 2.1 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| 1.2 | 10000- 6) | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 2.0 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| | | | | | 1.9 | | 5/28/41-05/31/941 H | | 4013 9147 |
| | | | | | | | 5/29/29-06/03/929 A | MR 3-25 | 4315 9402 |
| 17(4) | | | | | 18(4) | | | | |
| 3.1 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 2.6 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 3.1 | | 4/04/47-04/05/947 H | | 4134 8805 | 1.7 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 1.9 | | 3/24/54-03/25/954 H | | 4123 8928 | 1.3 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 1.1 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | 1.0 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 19(8) | | | | | 20(1) | | | | |
| 3.9 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 1.5 | | 4/11/33-04/14/933 A | MA 1-23 | 4308 7056 |
| 1.7 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7954 | | | | | |
| 1.6 | | 5/14/16-05/19/916 A | GL 1-15 | 4252 7752 | | | | | |
| 1.6 | | 5/17/94-05/22/894 A | WA 1- 4 | 3926 7514 | | | | | |
| 1.6 | | 5/19/42-05/23/942 A | MA 2- 5 | 4048 7608 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 1.8 | | 3/11/05-03/17/905 H | | 3418 11806 |
| | | | | | 1.5 | | 4/04/26-04/09/926 H | | 3413 11803 |
| 23(3) | | | | | 24(1) | | | | |
| 1.3 | | 4/05/26-04/10/926 H | | 3451 11200 | 0.7 | | 4/19/33-04/22/933 R | | 3808 10528 |
| 1.0 | | 4/09/05-04/13/905 H | | 3414 11247 | | | | | |
| 0.7 | | 3/12/05-03/20/905 H | | 3419 11125 | | | | | |
| 25(4) | | | | | 26(9) | | | | |
| 3.9 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 3.6 | | 5/21/08-05/25/908 A | SM 1-10 | 3425 9839 |
| 2.8 | | 4/29/14-05/02/914 A | SM 1-16 | 3620 10306 | 3.3 | | 5/30/06-06/01/906 A | MR 1-20 | 3750 9541 |
| 2.0 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 3.0 | | 5/08/43-05/12/943 A | SM 2-19 | 3549 9542 |
| 0.9 | | 4/17/42-04/21/942 A | SM 3- 6 | 3655 10258 | 3.0 | | 5/12/43-05/20/943 A | SM 2-21 | 3552 9604 |
| 27(12) | | | | | 28(7) | | | | |
| 3.0 | | 5/25/93-05/29/893 A | SM 1- 1 | 3444 9049 | 4.3 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 2.9 | | 4/17/27-04/21/927 A | SM 2- 4 | 3441 9305 | 4.0 | | 3/15/19-03/17/919 A | LMV 1-12 | 3525 8839 |
| 2.9 | | 5/17/29-05/18/929 A | MR 3-24 | 3826 9504 | 3.7 | | 3/25/02-03/29/902 A | LMV 2- 7 | 3442 8857 |
| 2.7 | | 3/17/27-03/20/927 A | MR 3-10A | 3815 9227 | 3.2 | | 3/11/63-03/12/963 H | | 3507 8522 |
| 2.6 | | 4/12/11-04/15/911 A | LHV 1- 8 | 3433 9237 | 3.2 | | 5/21/57-05/23/957 H | | 3744 8832 |
| 29(4) | | | | | 30(2) | | | | |
| 3.3 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 2.2 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 2.7 | | 3/11/63-03/12/963 H | | 3448 8342 | 1.4 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 2.1 | | 3/26/86-04/01/886 H | | 3522 8247 | | | | | |
| 1.4 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 0.6 | | 3/11/41-03/17/941 H | | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 1.4 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 5.5 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | 7.1 | | 5/16/35-05/20/935 A | LMV 4-21 | 3059 9148 |
| 5.3 | | 4/22/15-04/23/915 A | SM 4- 1 | 3018 9742 | 6.2 | | 4/12/27-04/16/927 A | LMV 4- 8 | 2940 9005 |
| 4.8 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 6.1 | | 3/24/16-03/28/914 A | LMV 3-19 | 3044 9332 |
| 3.9 | | 5/31/35-05/31/935 H | | 2920 9928 | 5.0 | | 3/11/21-03/14/921 A | LMV 2-15 | 3106 9023 |
| 3.6 | | 5/21/08-05/25/908 A | SM 1-10B | 2919 9928 | 4.7 | | 4/23/53-05/04/953 A | LMV 5- 3 | 3104 9312 |
| 37(8) | | | | | 38(3) | | | | |
| 7.1 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 2.1 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 4.3 | | 4/15/00-04/18/900 A | LHV 2- 5 | 3247 8750 | 1.9 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 4.1 | | 4/12/74-04/14/974 H | | 3155 8942 | 1.5 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 3.7 | | 5/24/09-05/28/909 A | LHV 2- 9 | 3239 8953 | | | | | |
| 3.5 | | 4/05/38-04/09/938 A | GM 2-23 | 3208 8802 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 4.1 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 2.4 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|----------------------|---------------------|-------------------------------|----------------------|-------------------|----------------------|---------------------|-------------------------------|----------------------|
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 1.7 | | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 1.6 | 6000- 12) | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 0.9 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(3) | | | | | 4(2) | | | | |
| 2.3 | | 3/30/31-04/02/931 H | - | 4630 11450 | 1.9 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 2.1 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 1.6 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 1.9 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 3.8 | | 4/22/32-04/24/932 H | - | 4600 9852 |
| 1.8 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 3.7 | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 1.0 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 2.3 | | 3/29/33-03/30/933 H | - | 4654 9503 |
| 0.4 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 1.5 | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 7(3) | | | | | 8(2) | | | | |
| 2.5 | | 5/27/42-05/31/942 H | - | 4458 9306 | 1.6 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 2.3 | | 5/18/60-05/21/960 H | - | 4435 9335 | 1.1 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8732 |
| 2.0 | | 5/28/43-06/01/943 H | - | 4412 9015 | | | | | |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 1.8(25055- 12) | | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | B 1.5(25055- 12) | | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(1) | | | | | 12(1) | | | | |
| B 1.0 | | 5/15/11-05/15/911 R | - | 4300 11645 | 1.1 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 13(7) | | | | | 14(2) | | | | |
| 2.8 | | 5/05/73-05/06/973 R | - | 3955 10506 | 3.5 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 2.5 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 1.8 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 2.3 | | 4/16/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 2.1 | | 5/04/69-05/08/969 R | - | 4016 10525 | | | | | |
| 1.7 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 15(3) | | | | | 16(7) | | | | |
| 4.0 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 2.9 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 2.8 | 5350- 12) | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9521 | 2.8 | | 3/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| 1.6 | 10000- 12) | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 2.5 | | 5/02/19-05/04/919 H | MR 2-20 | 4014 9440 |
| | | | | | 2.5 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| | | | | | 2.4 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| 17(4) | | | | | 18(4) | | | | |
| 4.0 | | 4/04/47-04/05/947 H | UMV 4-12 | 4134 8805 | 4.1 | | 3/23/13-03/27/913 A | DR 1-15 | 4022 8346 |
| 3.4 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | 2.5 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 3.1 | | 3/24/54-03/23/954 H | UMV 4-16 | 4123 8928 | 1.9 | | 5/10/14-05/12/914 A | GL 2-15 | 4154 8401 |
| 2.0 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | 1.6 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 19(8) | | | | | 20(1) | | | | |
| 4.9 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 2.4 | | 4/11/33-04/14/933 A | MA 1-23 | 4308 7056 |
| 3.1 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 3.0 | | 5/19/42-05/23/942 A | MA 2- 5 | 4048 7608 | | | | | |
| 2.8 | | 5/17/94-05/22/894 A | MA 1- 4 | 3926 7514 | | | | | |
| 2.6 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 3.1 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 2.8 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| 23(3) | | | | | 24(1) | | | | |
| 1.9 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.3 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 1.4 | | 4/09/05-04/13/965 H | - | 3414 11549 | | | | | |
| 1.4 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 25(4) | | | | | 26(9) | | | | |
| 4.2 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 4.5 | | 5/06/43-05/12/943 A | SM 2-20 | 3529 9518 |
| 3.8 | | 4/29/14-05/02/914 A | SM 1-16 | 3620 10306 | 4.4 | | 5/21/08-05/25/908 A | SM 1-10 | 3425 9439 |
| 1.8 | | 5/26/37-05/30/937 A | GR 5-17 | 3449 10344 | 3.9 | | 4/13/41-04/19/941 A | SM 2-19 | 3549 9542 |
| 1.4 | | 4/17/42-04/21/942 A | SM 3- 6 | 3655 10258 | 3.6 | | 5/12/43-05/20/943 A | SM 2-21 | 3552 9604 |
| | | | | | 3.5 | | 5/02/98-05/06/898 A | SM 1- 2 | 3513 9728 |
| 27(12) | | | | | 28(7) | | | | |
| 4.7 | | 4/17/27-04/21/927 A | SM 2- 4 | 3441 9305 | 6.3 | | 3/15/19-03/17/919 A | LHV 1-12 | 3525 8839 |
| 4.3 | | 5/09/18-05/13/918 A | LHV 1-11 | 3620 9230 | 6.2 | | 3/21/29-03/23/929 A | DR 7-15 | 3548 8538 |
| 4.0 | | 3/31/17-04/02/917 A | URV 3- 4 | 3549 9341 | 5.9 | | 3/25/02-03/29/902 A | LHV 2- 7 | 3442 8857 |
| 3.9 | | 5/25/93-05/29/893 A | SM 1- 1 | 3444 9049 | 4.4 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 3.8 | | 5/17/29-05/18/929 A | MR 3-24 | 3826 9302 | 3.6 | | 5/21/57-05/23/957 H | - | 3744 8832 |
| 29(4) | | | | | 30(2) | | | | |
| 4.7 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 3.8 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 3.7 | | 3/26/86-04/01/886 H | - | 3522 8247 | 2.3 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 3.7 | | 3/11/63-03/12/963 H | - | 3448 8542 | | | | | |
| 2.3 | | 3/12/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.2 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 2.2 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 6.7 | | 4/22/15-04/26/915 A | GH 4- 1 | 3018 9742 | 9.7 | | 4/12/27-04/16/927 A | LHV 4- 8 | 2940 9005 |
| 6.3 | | 5/22/29-05/30/929 A | GH 4-26 | 3012 9813 | 7.9 | | 3/2/16-03/28/914 A | LHV 3-19 | 3046 9332 |
| 5.9 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | 7.6 | | 5/16/35-05/20/935 A | LHV 4-21 | 3059 9148 |
| 5.6 | | 3/28/45-04/02/945 A | SM 3- 5 | 3220 9545 | 7.6 | | 4/23/53-05/04/953 A | LHV 5- 3 | 3104 9312 |
| 5.6 | | 5/16/49-05/17/949 R | - | 3249 9721 | 7.1 | | 5/02/35-05/07/935 A | LHV 4-20 | 3041 9144 |
| 37(8) | | | | | 38(3) | | | | |
| 8.6 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 3.6 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 7.5 | | 4/15/00-04/18/900 A | LHV 2- 5 | 3247 8750 | 2.8 | | 3/03/29-03/05/929 A | SA 3-19 | 3235 8414 |
| 5.9 | | 4/12/74-04/14/974 H | - | 3155 8942 | 2.4 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 5.3 | | 5/24/09-05/28/909 A | LHV 2- 9 | 3239 8953 | | | | | |
| 5.2 | | 4/05/38-04/09/938 A | GH 2-25 | 3208 8802 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 4.6 | | 5/27/25-05/29/925 A | GH 4-21 | 2843 10030 | 3.3 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

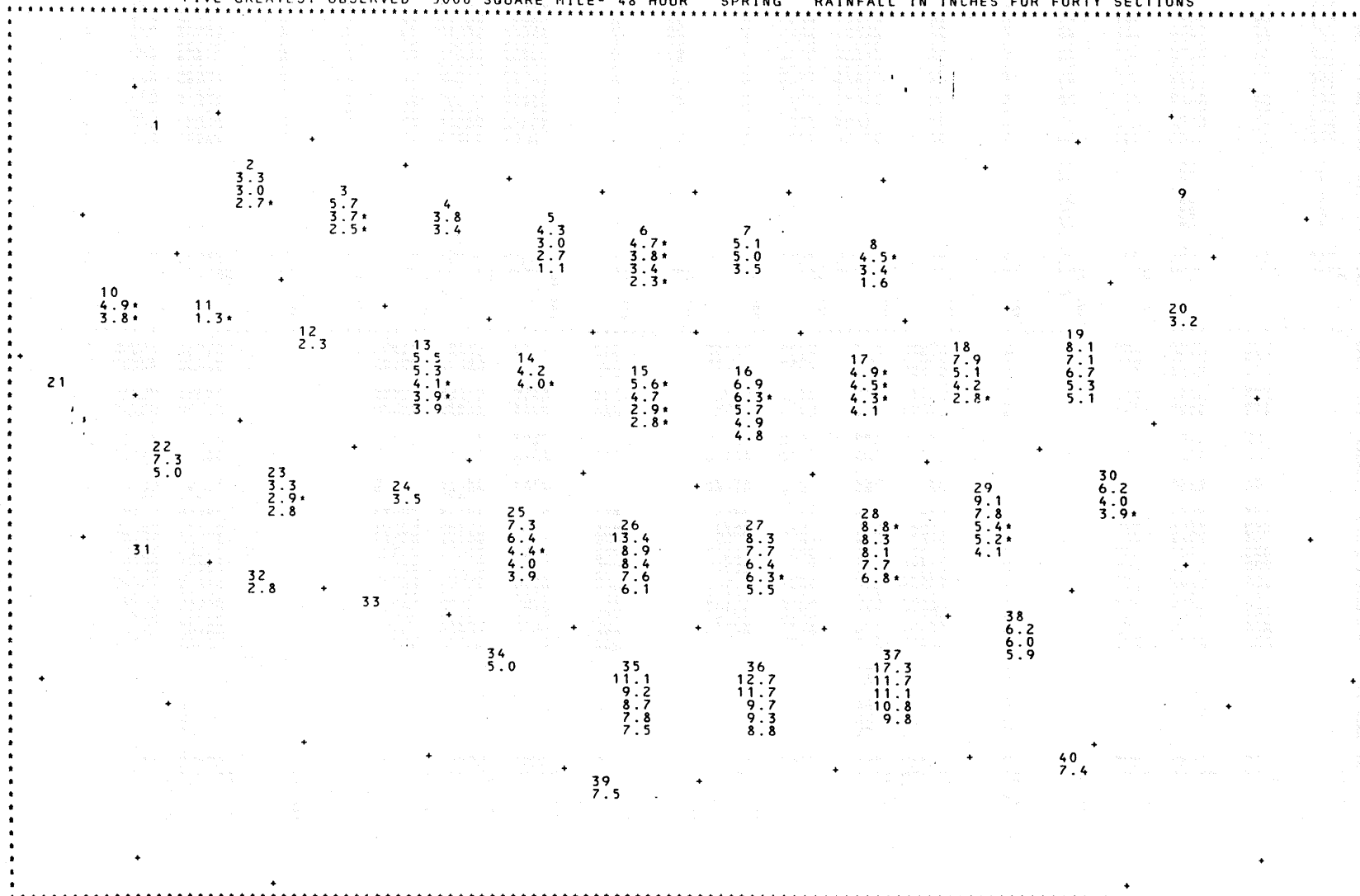


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|----------------------|---------------------|-------------------------------|----------------------|---------|----------------------|---------------------|-------------------------------|----------------------|
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 2.7 | 6000- 24) | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 2.4 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 1.6 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(3) | | | | | 4(2) | | | | |
| 4.4 | | 3/30/31-04/02/931 H | - | 4630 11450 | 2.8 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 3.0 | | 5/11/00-03/13/900 A | MR 5-11 | 4638 11142 | 2.6 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 2.3 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 2.9 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 4.4 | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 2.9 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 3.8 | 5000- 18) | 4/22/32-04/24/932 H | - | 4600 9852 |
| 1.6 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 2.3 | 5000- 12) | 3/29/33-03/30/933 H | - | 4658 9503 |
| 0.7 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 2.3 | | 3/02/66-03/03/966 H | - | 4714 9833 |
| 7(3) | | | | | 8(3) | | | | |
| 4.4 | | 5/27/42-05/31/942 H | - | 4458 9306 | 3.6 | | 4/28/14-04/29/914 H | - | 4646 8458 |
| 3.5 | | 5/18/60-05/21/960 H | - | 4435 9335 | 2.8 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 2.6 | | 5/28/43-06/01/943 H | - | 4412 9015 | 1.6 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 2.8 | (25055- 24) | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | B 2.1 | (25055- 24) | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(1) | | | | | 12(1) | | | | |
| B 1.3 | 5000- 18) | 5/15/11-05/15/911 R | - | 4300 11645 | 1.8 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 13(7) | | | | | 14(2) | | | | |
| 3.9 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 4.0 | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 3.8 | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | 3.0 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 3.8 | | 5/05/73-05/06/973 R | - | 3955 10506 | | | | | |
| 3.4 | | 5/04/69-05/08/969 R | - | 4016 10525 | | | | | |
| 2.6 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 15(3) | | | | | 16(8) | | | | |
| 4.4 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 5.4 | | 4/22/97-04/24/897 H | - | 4033 9400 |
| 4.4 | 5350- 20) | 5/17/47-06/01/947 A | MR 8- 8 | 4149 9721 | 4.1 | | 5/19/12-05/22/912 A | MR 3- 7 | 3911 9352 |
| 2.4 | 10000- 24) | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 3.9 | | 3/20/29-06/03/929 A | MR 3-25 | 4015 9402 |
| | | | | | 3.9 | | 4/22/50-04/23/950 H | - | 4055 9038 |
| | | | | | 3.5 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 17(4) | | | | | 18(4) | | | | |
| 4.5 | | 4/04/47-04/05/947 H | UMV 4-12 | 4134 8805 | 5.8 | | 3/23/13-03/27/913 A | DR 1-15 | 4022 8346 |
| 4.4 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 3.5 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.3 | | 3/24/54-03/25/954 A | UMV 4-16 | 4123 8928 | 3.3 | | 3/10/14-05/12/914 A | GL 2-15 | 4134 8401 |
| 3.4 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | 2.5 | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 19(8) | | | | | 20(1) | | | | |
| 6.8 | | 5/30/88-06/01/889 A | SA 1- 1 | 4145 7717 | 2.8 | | 4/11/33-04/14/933 A | WA 1-23 | 4308 7056 |
| 5.2 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 4.4 | | 5/17/94-05/22/894 A | WA 1- 4 | 3926 7514 | | | | | |
| 4.1 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 3.9 | | 5/25/46-05/28/946 A | WA 2-12 | 4120 7745 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 3.1 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 3.7 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| 23(3) | | | | | 24(1) | | | | |
| 2.7 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.9 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 2.2 | | 4/09/03-04/13/905 H | - | 3414 11247 | | | | | |
| 2.0 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 25(4) | | | | | 26(10) | | | | |
| 6.2 | | 4/29/14-05/02/914 A | SM 1-16 | 3620 10306 | 8.3 | | 5/06/43-05/12/943 A | SM 2-20 | 3529 9518 |
| 4.3 | | 5/30/38-05/31/938 A | MR 3-29 | 3654 10145 | 5.5 | | 5/21/08-05/25/908 A | SM 1-10 | 3425 9839 |
| 4.3 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 5.4 | | 5/02/98-05/06/898 A | SM 1- 2 | 3513 9728 |
| 2.4 | | 4/17/42-04/21/942 A | SM 3- 6 | 3655 10258 | 5.4 | | 5/12/43-05/20/943 A | SM 2-21 | 3552 9604 |
| | | | | | 5.2 | | 5/25/03-05/31/903 A | MR 1- 9 | 3849 9736 |
| 27(12) | | | | | 28(7) | | | | |
| 7.2 | | 4/17/27-04/21/927 A | SM 2- 4 | 3441 9305 | 8.2 | | 3/15/19-03/17/919 A | LHV 1-12 | 3525 8839 |
| 6.0 | | 5/25/93-05/29/893 A | SM 1- 1 | 3444 9049 | 7.5 | | 3/25/02-03/29/902 A | LHV 2- 7 | 3442 8857 |
| 5.5 | | 3/24/04-03/26/904 A | UMV 2- 1 | 3659 9159 | 7.5 | | 3/21/29-03/23/929 A | DR 7-15 | 3548 8538 |
| 5.1 | | 5/09/18-05/13/918 A | LHV 1-11 | 3620 9230 | 6.0 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 4.4 | | 3/31/17-04/02/917 A | UMV 3- 4 | 3449 9341 | B 5.7 | | 3/11/75-03/14/975 H | - | 3558 8613 |
| 29(5) | | | | | 30(2) | | | | |
| 6.1 | | 3/01/67-03/07/867 H | - | 3507 8325 | 5.1 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 6.1 | | 3/26/86-04/01/886 H | - | 3522 8247 | 3.4 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 5.4 | | 3/14/12-03/15/912 A | SA 2- 7 | 3419 8059 | | | | | |
| 4.5 | | 3/11/63-03/12/963 H | - | 3448 8342 | | | | | |
| 3.5 | | 3/12/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.8 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 3.5 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 7.9 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 11.5 | | 4/12/27-04/16/927 A | LHV 4- 8 | 2940 9005 |
| 7.3 | | 4/22/11-04/24/911 A | LHV 3-13 | 2936 9538 | 9.7 | | 5/11/53-05/19/953 A | LHV 2- 7 | 3148 9149 |
| 6.6 | | 5/28/07-05/31/907 A | LHV 3-13 | 2936 9538 | 9.0 | | 4/23/53-05/04/953 A | LHV 5- 3 | 3104 9312 |
| 6.2 | | 3/28/45-04/02/945 A | SM 3- 5 | 3220 9545 | 8.1 | | 3/24/14-03/28/914 A | LHV 3-19 | 3046 9332 |
| 6.0 | 5000- 18) | 5/16/49-05/17/949 R | - | 3249 9721 | | | 5/02/35-05/07/935 A | LHV 4-20 | 3041 9144 |
| 37(9) | | | | | 38(3) | | | | |
| 13.5 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 5.5 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 9.9 | | 4/15/00-04/18/900 A | LHV 2- 5 | 3247 8750 | 4.4 | | 5/11/06-03/26/906 A | SA 4- 9 | 3005 8151 |
| 8.3 | | 4/12/74-04/14/974 H | - | 3155 8942 | 3.7 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 7.0 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 6.7 | | 3/22/97-03/23/897 H | - | 3120 8537 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 5.9 | | 5/27/25-05/29/925 A | GM 4-21 | 2848 10030 | 3.9 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

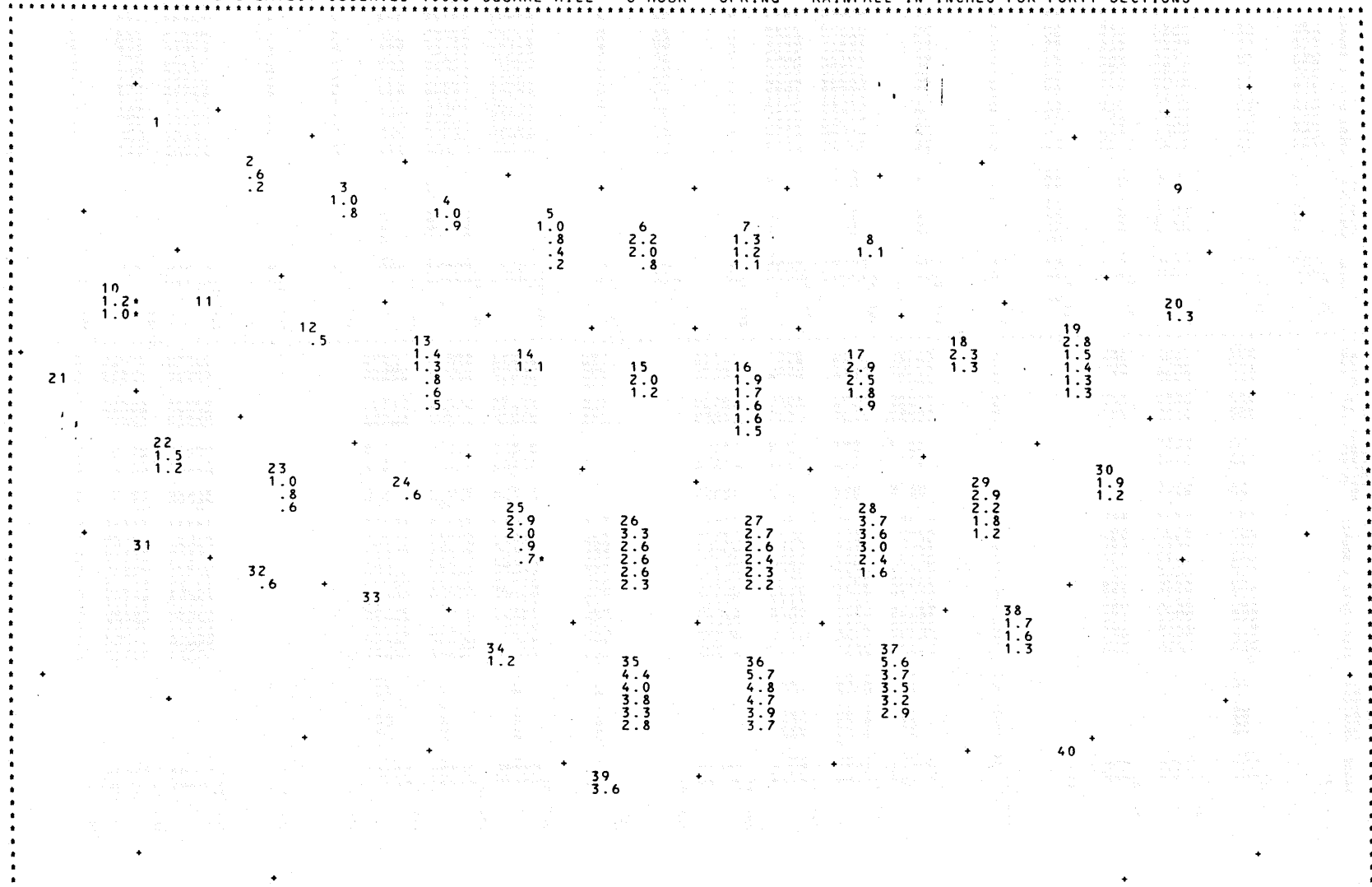


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|------------------|----------------------|---------------------|-------------------------------|----------------------|-------------------|----------------------|---------------------|-------------------------------|----------------------|
| 1(0) | | | | | 2(3) | | | | |
| | | | | | 3.3 | | 3/30/31-04/02/931 H | - | 4601 11807 |
| | | | | | 3.0 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| | | | | | 2.7(6000- 48) | | 3/24/35-03/26/935 H | - | 4723 11524 |
| 3(3) | | | | | 4(2) | | | | |
| 3.7 | | 3/30/31-04/02/931 H | - | 4630 11450 | 3.8 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 3.7(5000- 42) | | 5/11/00-03/13/900 A | MR 5-11 | 4638 11142 | 3.4 | | 5/17/38-05/20/938 A | MR 5- 6 | 4550 10957 |
| 2.5(5000- 30) | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | | | | | |
| 5(4) | | | | | 6(4) | | | | |
| 4.3 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 4.7(5000- 30) | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 3.0 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 3.8(5000- 18) | | 4/22/32-04/24/932 H | - | 4600 9852 |
| 2.7 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 3.4 | | 3/02/66-03/05/966 H | - | 4714 9833 |
| 1.1 | | 3/13/45-03/17/945 A | MR 6-11 | 4833 10423 | 2.3(5000- 12) | | 3/29/33-03/30/933 H | - | 4658 9503 |
| 7(3) | | | | | 8(3) | | | | |
| 3.1 | | 5/27/42-05/31/942 H | - | 4458 9306 | 4.5(5000- 42) | | 4/28/14-04/29/914 H | - | 4646 8458 |
| 3.0 | | 5/18/60-05/21/960 H | - | 4435 9335 | 3.4 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 3.5 | | 5/28/43-06/01/943 H | - | 4412 9015 | 1.6 | | 4/05/19-04/11/919 A | GL 2-19 | 4453 8752 |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 4.9(25055- 48) | | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | B 3.8(25055- 48) | | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(1) | | | | | 12(1) | | | | |
| B 1.3(5000- 18) | | 5/15/11-05/15/911 R | - | 4300 11645 | 2.3 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 13(7) | | | | | 14(2) | | | | |
| 3.5 | | 5/04/69-05/08/969 R | - | 4016 10525 | 4.2 | | 3/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 3.3 | | 3/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 4.0(5000- 24) | | 5/30/35-05/31/935 A | MR 3-28A | 3915 10432 |
| 4.1(5000- 42) | | 4/14/21-04/16/921 A | MR 4-19 | 4043 10543 | | | | | |
| 3.9(5000- 30) | | 3/05/73-05/06/973 R | - | 3955 10506 | | | | | |
| 3.9 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 15(4) | | | | | 16(9) | | | | |
| 5.6(5000- 36) | | 5/30/51-06/02/951 H | - | 4118 9708 | 6.9 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 4.7 | | 3/14/19-03/16/919 A | MR 2-19 | 3938 9708 | 6.3(5000- 30) | | 5/16/74-05/18/974 H | - | 3921 9447 |
| 2.9(5350- 20) | | 5/31/47-06/01/947 A | MR 8- 8 | 4142 9721 | 5.7 | | 4/22/97-04/24/937 H | - | 4053 9400 |
| 2.8(10000- 48) | | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 4.9 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| | | | | | 4.8 | | 4/22/50-04/25/950 H | - | 4055 9038 |
| 17(4) | | | | | 18(4) | | | | |
| 4.9(5000- 42) | | 4/04/47-04/05/947 H | - | 4134 8805 | 7.9 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 4.5(5000- 36) | | 5/17/27-05/19/927 A | UNV 4-12 | 4040 8941 | 5.1 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.3(5000- 24) | | 3/24/54-03/25/954 H | - | 4123 8928 | 4.2 | | 5/10/14-03/12/914 A | GL 2-15 | 4154 8401 |
| 4.1 | | 3/09/39-03/12/939 A | UNV 4-16 | 3929 8811 | 2.8(5000- 36) | | 3/13/18-03/14/918 A | GL 2-17 | 4217 8436 |
| 19(8) | | | | | 20(1) | | | | |
| 8.1 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 3.2 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 7.1 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 6.7 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 5.3 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 5.1 | | 5/19/42-05/23/942 A | NA 2- 5 | 4048 7608 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 2.3 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 5.0 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| 23(3) | | | | | 24(1) | | | | |
| 3.3 | | 4/09/05-04/13/905 H | - | 3414 11247 | 3.5 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 2.9(5000- 36) | | 4/05/26-04/10/926 H | - | 3451 11200 | | | | | |
| 2.8 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 25(5) | | | | | 26(10) | | | | |
| 7.3 | | 4/29/14-05/02/914 A | SW 1-16 | 3620 10306 | 13.4 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 6.4 | | 4/04/00-04/05/900 H | - | 3724 10237 | 8.9 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 4.4(5000- 30) | | 5/30/38-05/31/938 A | MR 3-29 | 3754 10145 | 8.4 | | 5/21/08-05/25/908 H | SW 1-10 | 3425 9839 |
| 4.0 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 7.6 | | 5/02/98-05/06/898 A | SW 1- 2 | 3513 9724 |
| 3.9 | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 6.1 | | 5/25/03-05/31/903 A | MR 1- 9 | 3849 9736 |
| 27(12) | | | | | 28(7) | | | | |
| 8.3 | | 5/25/83-05/29/893 A | SW 1- 1 | 3444 9049 | 8.8(5000- 36) | | 3/15/19-03/17/919 A | LNV 1-12 | 3525 8839 |
| 5.7 | | 4/17/23-04/21/927 A | SW 2- 4 | 3441 9305 | 8.5 | | 3/25/02-03/29/902 A | LNV 2- 7 | 3442 8857 |
| 6.4 | | 5/09/18-05/13/918 A | LNV 1-11 | 3620 9230 | 8.1 | | 3/21/29-03/23/929 A | DR 7-15 | 3548 8538 |
| 6.3(5000- 42) | | 3/24/04-03/26/904 A | LNV 2- 4 | 3659 9159 | B 7.7 | | 3/11/75-03/14/975 H | - | 3558 8615 |
| 5.5 | | 4/12/11-04/15/911 A | LNV 1- 8 | 3433 9237 | 6.8(5000- 42) | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 29(5) | | | | | 30(3) | | | | |
| 9.1 | | 3/26/86-04/01/886 H | - | 3522 8247 | 6.2 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 7.8 | | 3/01/69-03/07/867 H | - | 3507 8325 | 4.0 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 5.4(5000- 30) | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 3.9(20025- 36) | | 4/17/10-04/18/910 H | - | 3650 7740 |
| 5.2(5000- 42) | | 3/11/63-03/12/963 H | - | 3448 8342 | | | | | |
| 4.1 | | 3/12/18-03/15/918 A | DR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 2.8 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 5.0 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(9) | | | | | 36(20) | | | | |
| 11.1 | | 3/28/45-04/02/945 A | SW 3- 5 | 3220 9545 | 12.7 | | 5/11/53-05/19/933 A | LNV 5- 4 | 3146 9149 |
| 9.2 | | 5/28/07-05/31/907 A | LNV 3-13 | 2936 9536 | 11.7 | | 4/12/79-04/16/927 A | LNV 4- 8 | 2940 9005 |
| 8.7 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 9.7 | | 4/23/53-05/04/933 A | LNV 5- 3 | 3104 9312 |
| 7.8 | | 3/22/36-05/28/936 A | GM 5- 5 | 2955 9653 | 9.3 | | 3/24/14-03/28/914 A | LNV 3-19 | 3046 9352 |
| 7.5 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 9742 | 8.8 | | 5/07/07-05/10/907 A | LNV 3-12 | 3014 9139 |
| 37(9) | | | | | 38(3) | | | | |
| 17.3 | | 3/11/29-03/16/929 A | LNV 2-20 | 3125 8604 | 6.2 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 11.7 | | 4/15/00-04/18/900 A | LNV 2- 5 | 3247 8750 | 6.0 | | 3/03/29-03/05/929 A | SA 3-19 | 3253 8414 |
| 11.1 | | 4/12/74-04/14/974 H | - | 3155 8942 | 5.9 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 10.8 | | 4/03/38-04/09/938 H | GM 2-25 | 3208 8802 | | | | | |
| 9.8 | | 3/22/97-03/23/897 H | - | 3120 8537 | | | | | |
| 39(1) | | | | | 40(1) | | | | |
| 7.5 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 7.4 | | 4/14/42-04/17/942 A | SA 5- 7 | 2638 8008 |

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

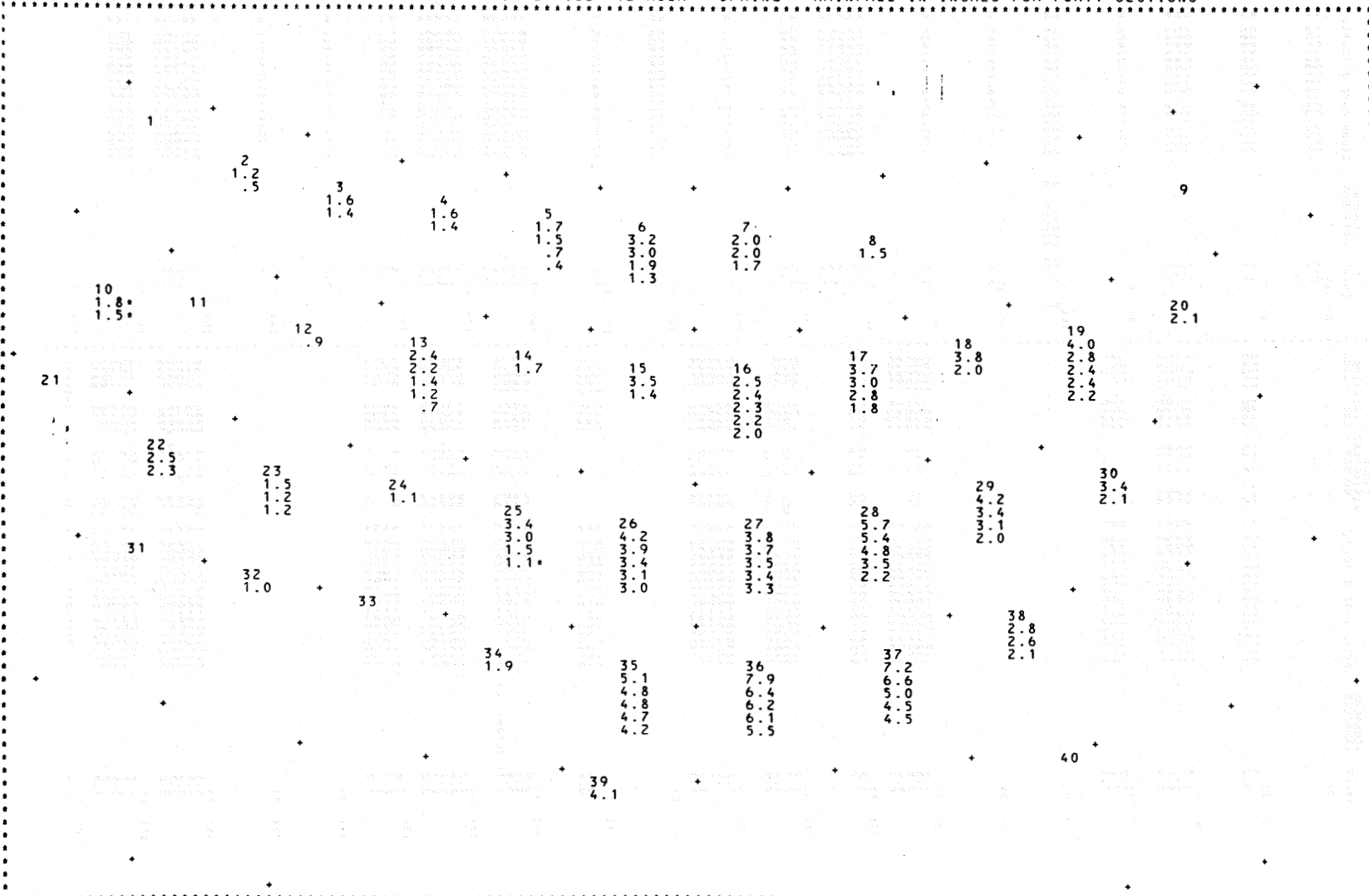


* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 6 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|----------------|-------------------|---------------------|-------------------------|-------------------|------------------|-------------------|---------------------|-------------------------|-------------------|
| 1(0) | | | | | 2(2) | | | | |
| | | | | | 0.6 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 0.2 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(2) | | | | | 4(2) | | | | |
| 1.0 | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 1.0 | | 4/22/00-04/24/900 A | MR 5-10 | 4350 10957 |
| 0.8 | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | 0.9 | | 5/17/38-05/20/938 A | MR 5- 6 | 4350 10957 |
| 5(4) | | | | | 6(3) | | | | |
| 1.0 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 2.2 | | 4/25/54-04/27/954 H | - | 4535 9535 |
| 0.8 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 2.0 | | 4/22/32-04/24/932 H | - | 4600 9832 |
| 0.4 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 0.8 | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 0.2 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | | | | | |
| 7(3) | | | | | 8(1) | | | | |
| 1.3 | | 5/27/42-05/31/942 H | - | 4458 9306 | 1.1 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 1.2 | | 5/18/60-05/21/960 H | - | 4435 9335 | | | | | |
| 1.1 | | 5/28/43-06/01/943 H | - | 4412 9015 | | | | | |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 1.2(25055- 6) | | 3/22/28-03/27/928 H | - | 4000 12200 |
| | | | | | B 1.0(25055- 6) | | 3/16/07-03/19/907 H | - | 4000 12200 |
| 11(0) | | | | | 12(1) | | | | |
| | | | | | 0.5 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 13(5) | | | | | 14(1) | | | | |
| 1.4 | | 5/05/73-05/06/973 R | - | 3955 10506 | 1.1 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 1.3 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10332 | | | | | |
| 0.8 | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 0.6 | | 5/09/47-05/14/947 R | - | 4245 10848 | | | | | |
| 0.5 | | 5/04/43-05/09/943 R | - | 4023 10640 | | | | | |
| 15(2) | | | | | 16(7) | | | | |
| 2.0 | | 3/14/19-03/16/919 A | MR 2-19 | 3934 9507 | 1.9 | | 5/02/19-05/04/919 A | MR 2-20 | 4014 9440 |
| 1.2 | | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 1.7 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| | | | | | 1.6 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| | | | | | 1.6 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9402 |
| | | | | | 1.5 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 17(4) | | | | | 18(2) | | | | |
| 2.9 | | 4/04/47-04/05/947 H | UMV 4-12 | 4134 8805 | 2.3 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 2.8 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 1.3 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 1.8 | | 3/26/54-03/25/954 H | - | 4123 8928 | | | | | |
| 0.9 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 2.8 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 1.3 | | 4/11/33-04/14/933 A | MA 1-23 | 4308 7056 |
| 1.5 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 1.4 | | 5/17/94-05/22/894 A | MA 1- 4 | 3926 7514 | | | | | |
| 1.3 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 1.3 | | 5/25/46-05/28/946 A | MA 2-12 | 4120 7745 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 1.5 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| | | | | | 1.2 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| 23(3) | | | | | 24(1) | | | | |
| 1.0 | | 4/05/26-04/10/926 H | - | 3451 11200 | 0.6 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 0.8 | | 4/09/05-04/13/905 H | - | 3434 11247 | | | | | |
| 0.6 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 25(4) | | | | | 26(9) | | | | |
| 2.9 | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 3.3 | | 5/21/08-05/25/908 A | SW 1-10 | 3425 9839 |
| 2.0 | | 4/29/16-05/02/914 A | SW 1-16 | 3620 10306 | 2.6 | | 4/13/41-04/19/941 A | SW 2-19 | 3549 9542 |
| 0.9 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 2.6 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 0.7(20000- 6) | | 4/17/42-04/21/942 A | SW 3- 6 | 3655 10258 | 2.3 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| | | | | | | | 5/30/06-06/01/906 A | MR 1-20 | 3750 9541 |
| 27(11) | | | | | 28(5) | | | | |
| 2.7 | | 5/25/93-05/29/893 A | SW 1- 1 | 3444 9049 | 3.7 | | 3/21/29-03/23/929 A | OR 7-15 | 3548 8538 |
| 2.6 | | 5/17/29-05/18/929 A | MR 3-24 | 3826 9302 | 3.6 | | 3/15/19-03/17/919 A | LMV 1-12 | 3525 8839 |
| 2.4 | | 3/17/27-03/20/927 A | MR 3-10A | 3815 9227 | 3.0 | | 3/25/02-03/29/902 A | LMV 2- 7 | 3442 8857 |
| 2.3 | | 5/09/18-05/13/918 A | LMV 1-11 | 3620 9250 | 2.4 | | 3/11/63-03/12/963 H | - | 3507 8522 |
| 2.2 | | 4/17/27-04/21/927 A | SW 2- 4 | 3441 9305 | 1.6 | | 3/28/38-03/31/938 A | OR 5- 8 | 3728 8806 |
| 29(4) | | | | | 30(2) | | | | |
| 2.9 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 1.9 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 2.2 | | 3/11/63-03/12/963 H | - | 3448 8342 | 1.2 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 1.8 | | 3/26/86-04/01/886 H | - | 3522 8247 | | | | | |
| 1.2 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 0.6 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 1.2 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(7) | | | | | 36(20) | | | | |
| 4.4 | | 5/28/07-05/31/907 A | LMV 3-13 | 2936 9538 | 5.7 | | 5/16/35-05/20/935 A | LMV 4-21 | 3059 9148 |
| 4.0 | | 4/27/15-04/26/915 A | GM 4- 1 | 3018 9740 | 4.7 | | 4/12/27-04/16/927 A | LMV 4- 8 | 2940 9005 |
| 3.8 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 4.7 | | 3/24/16-03/28/914 A | LMV 3-19 | 3046 9352 |
| 3.3 | | 5/21/08-05/23/908 A | SW 1-10B | 2919 9928 | 3.9 | | 4/23/53-05/04/953 A | LMV 5- 3 | 3104 9312 |
| 2.8 | | 3/28/45-04/02/945 A | SW 3- 5 | 3220 9545 | 3.7 | | 3/11/21-03/14/921 A | LMV 2-15 | 3106 9028 |
| 37(8) | | | | | 38(3) | | | | |
| 3.6 | | 3/11/29-03/16/929 A | LMV 2-20 | 3125 8604 | 1.7 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 3.5 | | 4/15/00-04/18/900 A | LMV 2- 5 | 3125 8750 | 1.6 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 3.2 | | 4/12/74-04/14/974 H | - | 3135 8942 | 1.3 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 2.9 | | 5/24/09-05/28/909 A | LMV 2- 9 | 3239 8953 | | | | | |
| 2.9 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 39(1) | | | | | 40(0) | | | | |
| 3.6 | | 5/27/25-05/29/925 A | GM 4-21 | 2843-18030 | | | | | |

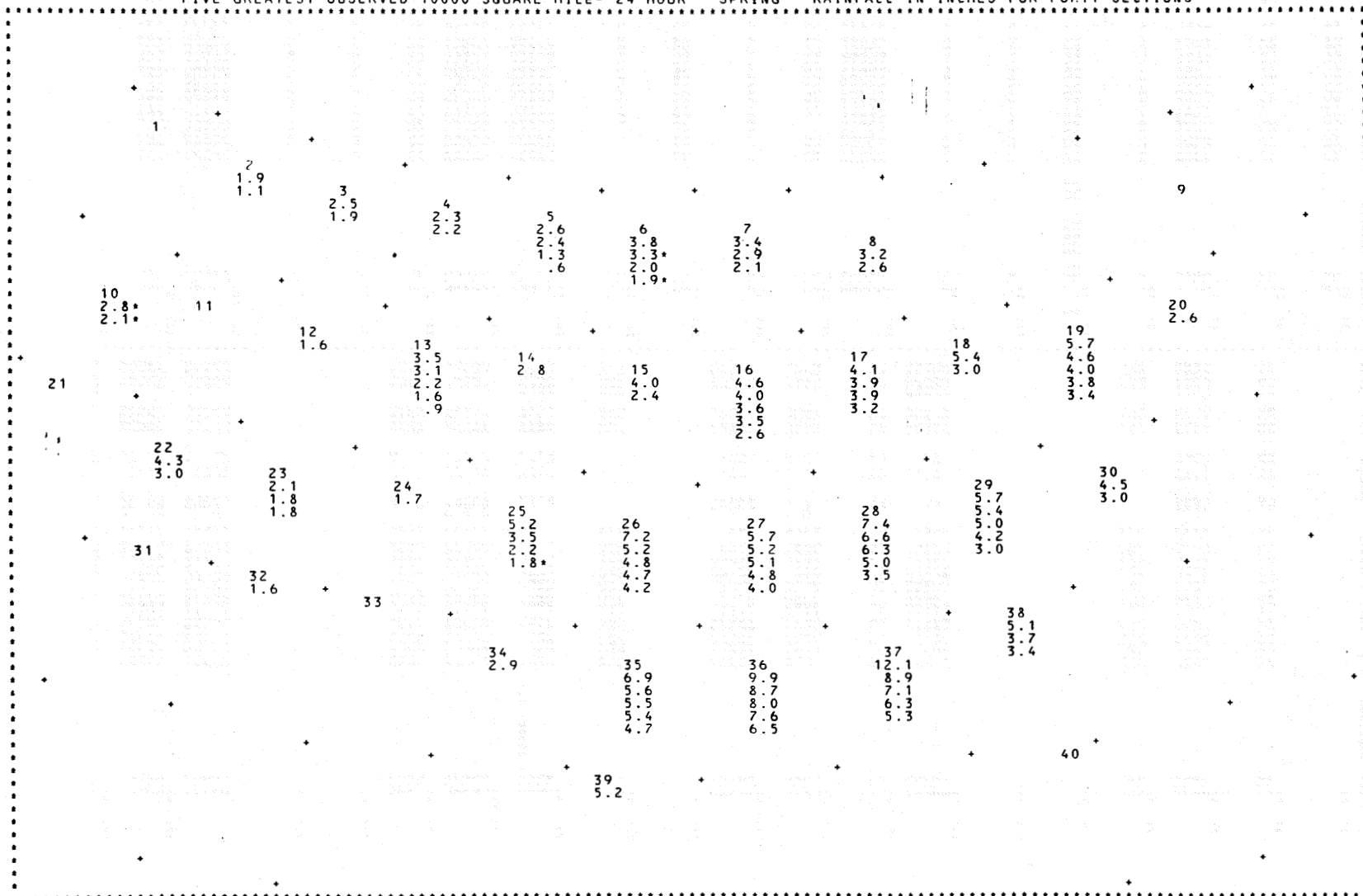
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 12 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|-------------------|---|--|--|---------|-------------------|---|--|---|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CDRPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CDRPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 10(0) | | | | | 2(2) | | 3/24/35-03/26/93 H 5/26/06-05/30/906 H | - | 4723 11524 4548 11824 |
| 30(2) | | 5/11/00-05/13/900 A 5/19/02-05/20/902 A | MR 5-11 MR 5-12 | 4638 11142 4830 11245 | 4(2) | | 4/22/00-04/24/900 A 5/17/38-05/20/938 A | MR 5-10 MR 5- 6 | 4550 10957 4550 10957 |
| 50(4) | | 5/25/29-05/30/929 A 5/09/20-05/12/920 A 4/11/12-04/14/912 A 3/13/43-03/17/943 A | MR 4-27 MR 4-17 MR 5-19 MR 6-11 | 4657 10349 4437 10324 4748 10328 4853 10423 | 6(4) | | 4/25/34-04/27/954 H 4/23/32-04/25/932 H 3/29/33-03/30/933 H 3/02/66-03/05/966 H | - - - - | 4535 9555 4600 9852 4658 9303 4714 9833 |
| 70(3) | | 5/27/42-05/31/942 H 5/18/60-05/21/960 H 5/28/43-06/01/943 H | - - - | 4458 9306 4435 9335 4412 9015 | 8(1) | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 90(0) | | | | | 10(2) | | 3/16/07-03/19/907 H 3/22/28-03/27/928 H | - - | 4000 12200 4000 12200 |
| 110(0) | | | | | 12(1) | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 130(5) | | 5/05/73-05/06/973 R 5/29/94-05/31/894 A 5/01/04-05/03/904 A 5/09/47-05/16/947 R 5/04/43-05/09/943 R | MR 6-14 MR 4- 6 - - | 3955 10506 4004 10532 4059 10511 4245 10848 4023 10640 | 14(1) | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 150(2) | | 3/14/19-03/16/919 A 5/25/47-05/30/947 A | MR 2-19 MR 8- 6 | 3934 9507 4101 9553 | 16(7) | | 5/25/15-05/29/915 A 5/29/29-06/03/929 A 4/22/50-04/23/950 H 5/02/19-05/04/919 A 5/30/19-06/04/919 A | MR 2- 7 MR 3-25 MR 2-20 MR 2-21 | 3911 9353 4015 9402 4055 9058 4014 9440 4047 9320 |
| 170(4) | | 4/04/47-04/05/947 H 5/17/27-03/19/927 A 3/24/54-03/25/954 H 3/09/39-03/12/939 A | - UMV 4-12 - UMV 4-16 | 4134 8805 4040 8941 4123 8928 3929 8811 | 18(2) | | 3/23/13-03/27/913 A 5/19/12-05/22/912 A | DR 1-15 GL 3- 1 | 4022 8346 4359 8429 |
| 190(8) | | 5/30/89-06/01/889 A 4/24/37-04/28/937 A 3/16/36-03/21/936 A 5/17/94-05/22/894 A 5/19/42-05/23/942 A | SA 1- 1 SA 5-13 SA 1-27 NA 1- 4 NA 2- 3 | 4145 7717 3940 7754 3921 7845 3926 7514 4048 7608 | 20(1) | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 210(0) | | | | | 22(2) | | 3/11/05-03/17/905 H 4/04/26-04/09/926 H | - - | 3418 11806 3413 11803 |
| 230(3) | | 4/05/26-04/10/926 H 4/09/05-04/13/905 H 3/12/05-03/20/905 H | - - - | 3451 11200 3414 11247 3419 11125 | 24(1) | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 250(4) | | 5/30/38-05/31/938 A 4/29/14-05/02/914 A 5/26/37-05/30/937 A 4/17/42-04/21/942 A | MR 3-29 SM 1-16 GM 5-17 SM 3- 6 | 3854 10145 3620 10306 3449 10344 3655 10258 | 26(9) | | 5/21/08-05/25/908 A 5/06/43-05/12/943 A 4/13/41-04/19/941 A 5/12/43-05/20/943 A 5/02/98-05/06/898 A | SM 1-10 SM 2-20 SM 2-19 SM 2-21 SM 1- 2 | 3425 9839 3529 9518 3549 9542 3552 9604 3513 9728 |
| 270(11) | | 5/09/18-05/13/918 A 4/17/27-04/21/927 A 3/31/17-04/02/917 A 5/17/29-05/18/929 A 3/24/04-03/26/904 A | LMV 1-11 SM 2- 4 UMV 3- 4 MR 3-24 UMV 2- 4 | 3620 9230 3441 9305 3549 9341 3826 9302 3659 9159 | 28(5) | | 3/15/19-03/17/919 A 3/21/29-03/23/929 A 3/25/02-03/29/902 A 3/11/63-03/12/963 H 3/28/38-03/31/938 A | LMV 1-12 OR 7-15 LMV 2- 7 - OR 5- 8 | 3525 8839 3548 8538 3442 8857 3307 8522 3728 8806 |
| 290(4) | | 3/14/12-03/15/912 A 3/26/86-04/01/886 H 3/11/63-03/12/963 H 3/12/18-03/15/918 H | SA 2- 7 - - OR 3-10 | 3519 8059 3522 8247 3448 8342 3815 8034 | 30(2) | | 5/18/01-05/22/901 A 5/07/24-05/12/924 A | SA 2- 4 SA 1-24 | 3432 7900 3802 7830 |
| 310(0) | | | | | 32(1) | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 330(0) | | | | | 34(1) | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 350(7) | | 5/25/29-05/30/929 A 5/28/07-05/31/907 A 3/28/45-04/02/945 A 4/22/15-04/26/915 A 4/27/08-03/25/908 A | GM 4-26 LMV 3-13 SM 3- 5 GM 4- 1 SM 1-10B | 3012 9813 2936 9338 3220 9345 3018 9742 2919 9928 | 36(20) | | 4/12/27-04/16/927 A 4/23/53-05/04/953 A 5/16/35-05/20/935 A 3/24/14-03/28/914 A 5/02/33-05/07/935 A | LMV 4- 8 LMV 5- 3 LMV 4-21 LMV 3-19 LMV 4-20 | 2940 9005 3104 9312 3059 9148 3046 9332 3041 9144 |
| 370(8) | | 3/11/29-03/16/929 A 4/15/00-04/18/900 A 4/12/74-04/14/974 H 4/05/38-04/09/938 A 5/24/09-05/28/909 A | LMV 2-20 LMV 2- 5 H GM 2-25 LMV 2- 9 | 3125 8604 3247 8750 3155 8942 3208 8802 3239 8933 | 38(3) | | 5/21/06-05/26/906 A 3/03/29-03/05/929 A 4/05/36-04/10/936 A | SA 4- 9 SA 3-19 SA 3-21A | 3005 8151 3233 8414 3344 8244 |
| 390(1) | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | 40(0) | | | | |

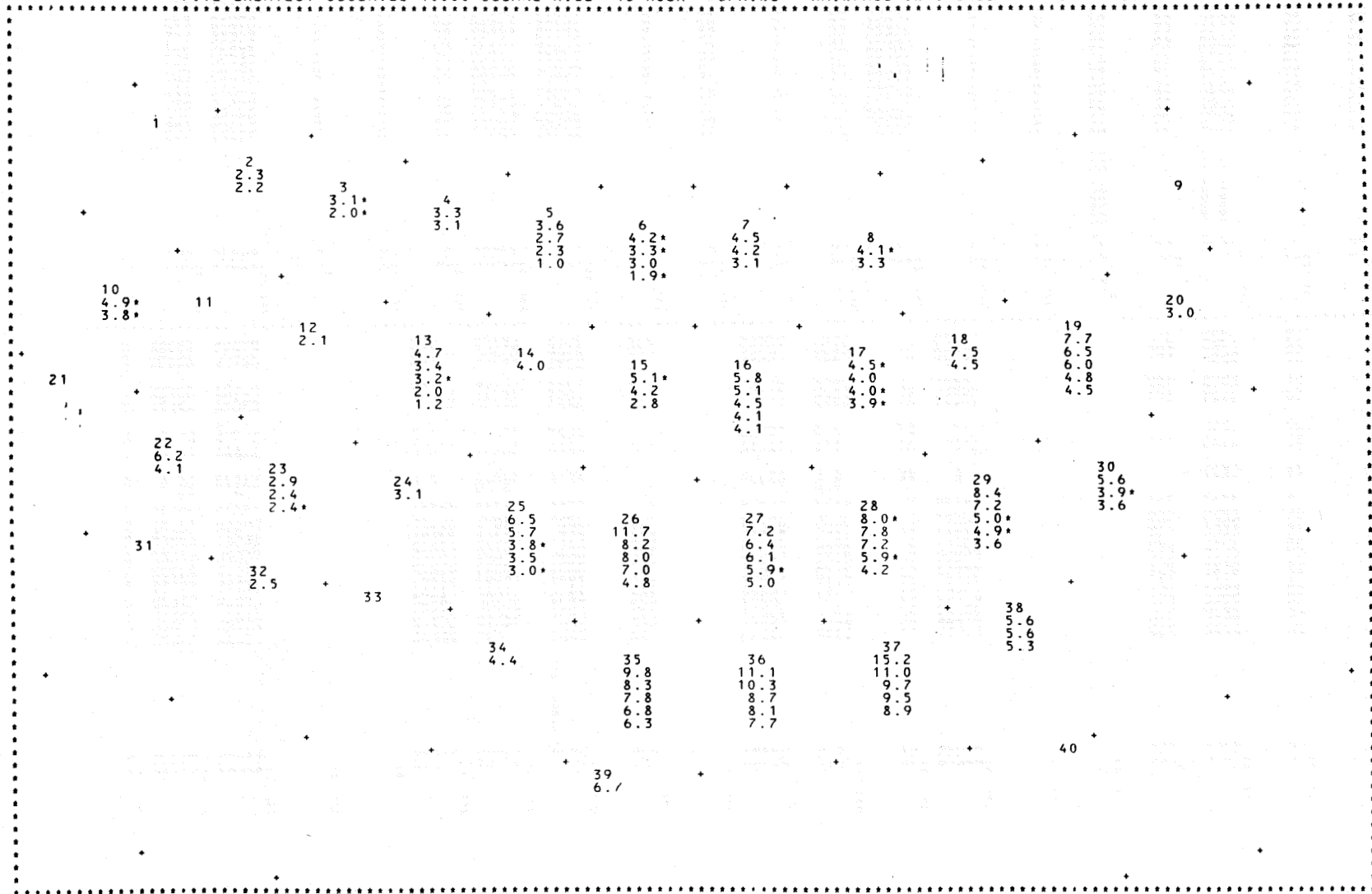
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 24 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|-------------------|---------------------|-------------------------|-------------------|-------------------|-------------------|---------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(2) | | | | |
| | | | | | 1.9 | | 3/24/35-03/26/935 H | - | 4723 11524 |
| | | | | | 1.1 | | 5/26/06-05/30/906 H | - | 4548 11824 |
| 3(2) | | | | | 4(2) | | | | |
| 2.5 | | 5/11/00-05/13/900 A | HR 5-11 | 4638 11142 | 2.3 | | 4/22/00-04/24/900 A | HR 5-10 | 4550 10957 |
| 1.9 | | 5/19/02-05/20/902 A | HR 5-12 | 4830 11245 | 2.2 | | 5/17/38-05/20/938 A | HR 5- 6 | 4550 10957 |
| 5(4) | | | | | 6(4) | | | | |
| 2.6 | | 5/25/29-05/30/929 A | HR 4-27 | 4657 10349 | 3.8 | | 4/25/54-04/27/954 H | - | 4535 9555 |
| 2.4 | | 5/09/20-05/12/920 A | HR 4-17 | 4437 10324 | 3.3(10000- 18) | | 4/22/52-04/24/932 H | - | 4600 9852 |
| 1.3 | | 4/11/12-04/14/912 A | HR 5-19 | 4748 10328 | 2.0 | | 3/02/66-03/05/966 H | - | 4714 9835 |
| 0.6 | | 3/13/43-03/17/943 A | HR 6-11 | 4853 10423 | 1.9(10000- 12) | | 3/29/33-03/30/933 H | - | 4658 9503 |
| 7(3) | | | | | 8(2) | | | | |
| 3.4 | | 5/27/42-05/31/942 H | - | 4458 9306 | 3.2 | | 4/28/14-04/29/914 H | - | 4646 8458 |
| 2.9 | | 5/18/60-05/21/960 H | - | 4435 9335 | 2.6 | | 4/27/09-05/02/909 H | - | 4437 8447 |
| 2.1 | | 5/28/43-06/01/943 H | - | 4412 9015 | | | | | |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 2.8(25055- 24) | | 3/16/07-03/19/907 H | - | 4000 12200 |
| | | | | | B 2.1(25055- 24) | | 3/22/28-03/27/928 H | - | 4000 12200 |
| 11(0) | | | | | 12(1) | | | | |
| | | | | | 1.6 | | 5/31/43-06/05/943 R | - | 4036 11135 |
| 13(5) | | | | | 14(1) | | | | |
| 3.5 | | 5/29/94-05/31/894 A | HR 6-14 | 4004 10332 | 2.8 | | 5/05/27-05/09/927 A | HR 4-25 | 4350 10116 |
| 3.1 | | 5/05/75-05/06/975 R | - | 3953 10506 | | | | | |
| 2.2 | | 5/01/04-05/03/904 A | HR 4- 6 | 4059 10511 | | | | | |
| 1.6 | | 5/09/47-05/14/947 R | - | 4245 10848 | | | | | |
| 0.9 | | 5/04/43-05/09/943 R | - | 4023 10640 | | | | | |
| 15(2) | | | | | 16(8) | | | | |
| 5.0 | | 3/14/19-03/16/919 A | HR 2-19 | 3934 9507 | 4.6 | | 4/22/97-04/24/897 H | - | 4053 9400 |
| 2.4 | | 5/25/47-05/30/947 A | HR 8- 6 | 4101 9553 | 4.0 | | 5/25/15-05/29/915 A | HR 2- 7 | 3911 9353 |
| | | | | | 3.6 | | 4/22/50-04/25/950 H | - | 4055 9038 |
| | | | | | 3.5 | | 5/29/29-06/03/929 A | HR 3-25 | 4015 9402 |
| | | | | | 2.6 | | 5/28/41-05/31/941 H | - | 4313 9147 |
| 17(4) | | | | | 18(2) | | | | |
| 5.1 | | 4/04/47-04/05/947 H | - | 4134 8805 | 5.4 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 3.9 | | 5/17/27-05/19/927 A | UMV 4-12 | 4040 8941 | 3.0 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 3.9 | | 3/24/54-03/25/954 H | - | 4123 8928 | | | | | |
| 3.2 | | 3/09/39-03/12/939 A | UMV 4-16 | 3929 8811 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 5.7 | | 5/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 2.6 | | 4/11/33-04/14/933 A | NA 1-23 | 4308 7056 |
| 4.6 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 4.0 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 3.8 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 3.4 | | 5/25/46-05/28/946 A | NA 2-12 | 4120 7745 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 4.3 | | 4/04/26-04/09/926 H | - | 3413 11803 |
| | | | | | 3.0 | | 3/11/05-03/17/905 H | - | 3418 11806 |
| 23(3) | | | | | 24(1) | | | | |
| 2.1 | | 4/05/26-04/10/926 H | - | 3451 11200 | 1.7 | | 4/19/33-04/22/933 R | - | 3808 10528 |
| 1.8 | | 4/09/05-04/13/905 H | - | 3414 11247 | | | | | |
| 1.8 | | 3/12/05-03/20/905 H | - | 3419 11125 | | | | | |
| 25(4) | | | | | 26(10) | | | | |
| 5.2 | | 4/29/14-05/02/914 A | SM 1-16 | 3620 10306 | 7.2 | | 5/06/43-05/12/943 A | SM 2-20 | 3529 9518 |
| 3.3 | | 5/30/38-05/31/938 A | HR 3-29 | 3654 10145 | 5.2 | | 5/21/08-05/25/908 A | SM 1-10 | 3425 9239 |
| 2.2 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 4.8 | | 5/12/43-05/20/943 A | SM 2-21 | 3552 9604 |
| 1.8 | 20000- 24) | 4/17/42-04/21/942 A | SM 3- 6 | 3655 10258 | 4.7 | | 5/02/98-05/06/898 A | SM 1- 2 | 3513 9728 |
| | | | | | 4.2 | | 4/13/41-04/19/941 A | SM 2-19 | 3549 9542 |
| 27(11) | | | | | 28(5) | | | | |
| 3.7 | | 4/17/27-04/21/927 A | SM 2- 4 | 3441 9305 | 7.4 | | 3/15/19-03/17/919 A | LWV 1-12 | 3525 8839 |
| 3.2 | | 3/24/04-03/26/904 A | UMV 2- 4 | 3659 9159 | 6.6 | | 3/21/29-03/23/929 A | OR 7-15 | 3544 8538 |
| 3.1 | | 5/25/93-05/29/893 A | SM 1- 1 | 3444 9049 | 6.3 | | 3/25/02-03/29/902 A | LWV 2- 7 | 3442 8857 |
| 4.8 | | 5/09/18-05/13/918 A | LWV 1-11 | 3620 9230 | 5.0 | | 3/11/65-03/12/963 H | - | 3507 8522 |
| 4.0 | | 3/31/17-04/02/917 A | UMV 3- 4 | 3549 9341 | 3.5 | | 3/28/38-03/31/938 A | OR 5- 8 | 3728 8806 |
| 29(5) | | | | | 30(2) | | | | |
| 5.7 | | 3/01/67-03/07/867 H | - | 3507 8325 | 4.5 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 5.4 | | 3/26/86-04/01/886 H | - | 3522 8247 | 3.0 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 5.0 | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | | | | | |
| 4.2 | | 3/11/63-03/12/963 H | - | 3448 8342 | | | | | |
| 3.0 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 1.6 | | 3/11/41-03/17/941 H | - | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 2.9 | | 5/20/41-05/25/941 A | GH 5-18 | 3307 10312 |
| 35(7) | | | | | 36(20) | | | | |
| 6.9 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 9.9 | | 4/12/27-04/16/927 A | LWV 4- 8 | 2940 9005 |
| 5.6 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 9742 | 8.7 | | 4/23/53-05/04/953 A | LWV 5- 3 | 3104 9512 |
| 5.5 | | 5/28/07-05/31/907 A | LWV 3-13 | 2936 9538 | 8.0 | | 5/11/53-05/19/953 A | LWV 5- 4 | 3146 9149 |
| 2.4 | | 3/28/43-04/02/945 A | SM 3- 5 | 3220 9535 | 7.6 | | 3/24/14-03/28/914 A | LWV 3-19 | 3046 9332 |
| 2.7 | | 5/21/08-05/25/908 A | SM 1-10B | 2919 9928 | 6.5 | | 3/02/35-05/07/935 A | LWV 4-20 | 3041 9144 |
| 37(9) | | | | | 38(3) | | | | |
| 12.1 | | 3/11/29-03/16/929 A | LWV 2-20 | 3125 8604 | 5.1 | | 3/05/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 8.9 | | 4/15/00-04/18/900 A | LWV 2- 5 | 3247 8750 | 3.7 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 7.1 | | 4/12/74-04/14/974 H | - | 3155 8942 | 3.4 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 6.3 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | | | | | |
| 5.3 | | 3/22/97-03/23/897 H | - | 3120 8537 | | | | | |
| 39(1) | | | | | 40(0) | | | | |
| 5.2 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | | | | | |

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

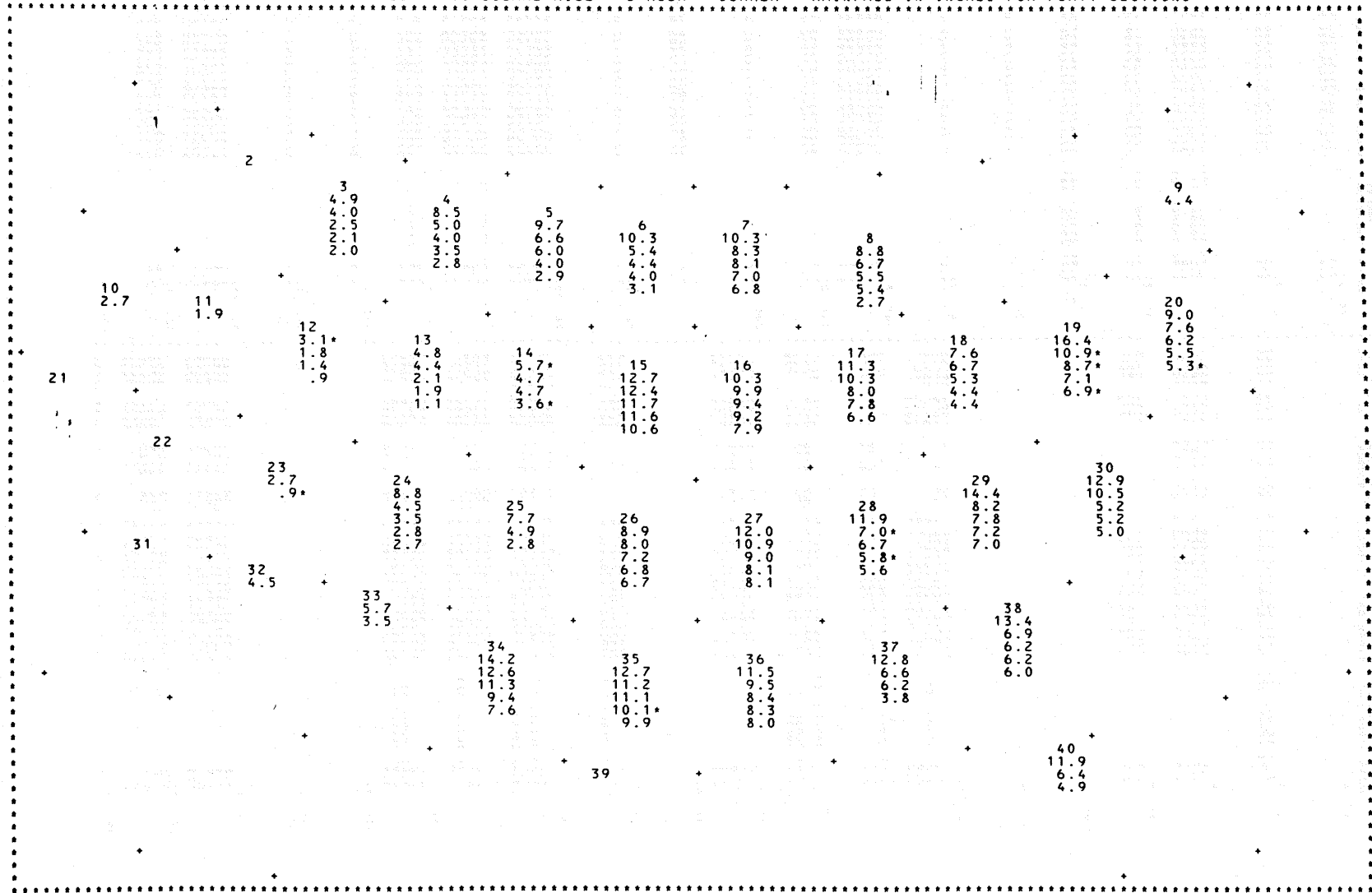


* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 48 HOUR SPRING RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|-----------------|----------------------|---------------------|-------------------------------|----------------------|-------------------|----------------------|---------------------|-------------------------------|----------------------|
| 1(0) | | | | | 2(2) | | | | |
| | | | | | 2.3 | | 5/26/06-05/30/906 H | | 4548 11824 |
| | | | | | 2.2 | | 3/24/35-03/26/935 H | | 4723 11524 |
| 3(2) | | | | | 4(2) | | | | |
| 3.1(10000- 42) | | 5/11/00-05/13/900 A | MR 5-11 | 4638 11142 | 3.3 | | 4/22/00-04/24/900 A | MR 5-10 | 4550 10957 |
| 2.0(10000- 30) | | 5/19/02-05/20/902 A | MR 5-12 | 4830 11245 | 3.1 | | 5/17/38-05/20/938 A | MR 3- 6 | 4550 10957 |
| 5(4) | | | | | 6(4) | | | | |
| 3.6 | | 5/09/20-05/12/920 A | MR 4-17 | 4437 10324 | 4.2(10000- 30) | | 4/25/54-04/27/954 H | | 4535 9555 |
| 2.7 | | 5/25/29-05/30/929 A | MR 4-27 | 4657 10349 | 3.3(10000- 18) | | 4/22/32-04/24/932 H | | 4600 9852 |
| 2.3 | | 4/11/12-04/14/912 A | MR 5-19 | 4748 10328 | 3.0 | | 3/02/66-03/05/966 H | | 4714 9835 |
| 1.0 | | 3/13/43-03/17/943 A | MR 6-11 | 4853 10423 | 1.9(10000- 12) | | 3/29/33-03/30/933 H | | 4658 9403 |
| 7(3) | | | | | 8(2) | | | | |
| 4.5 | | 5/27/42-05/31/942 H | | 4458 9306 | 4.1(10000- 42) | | 4/28/14-04/29/914 H | | 4646 8458 |
| 4.2 | | 5/18/60-05/21/960 H | | 4435 9335 | 3.3 | | 4/27/09-05/02/909 H | | 4437 8447 |
| 3.1 | | 5/28/43-06/01/943 H | | 4412 9015 | | | | | |
| 9(0) | | | | | 10(2) | | | | |
| | | | | | B 4.9(25055- 48) | | 3/16/07-03/19/907 H | | 4000 12200 |
| | | | | | B 3.8(25055- 48) | | 3/22/28-03/27/928 H | | 4000 12200 |
| 11(0) | | | | | 12(1) | | | | |
| | | | | | 2.1 | | 5/31/43-06/05/943 R | | 4036 11135 |
| 13(5) | | | | | 14(1) | | | | |
| 4.7 | | 5/29/94-05/31/894 A | MR 6-14 | 4004 10532 | 4.0 | | 5/05/27-05/09/927 A | MR 4-25 | 4350 10116 |
| 3.2(10000- 30) | | 5/01/04-05/03/904 A | MR 4- 6 | 4059 10511 | | | | | |
| 2.0 | | 5/05/73-05/06/973 R | | 3955 10506 | | | | | |
| 1.2 | | 5/09/47-05/14/947 R | | 4245 10848 | | | | | |
| | | 5/04/43-05/09/943 R | | 4023 10640 | | | | | |
| 15(3) | | | | | 16(8) | | | | |
| 5.1(10000- 36) | | 5/30/51-06/02/951 H | | 4118 9708 | 5.8 | | 5/25/15-05/29/915 A | MR 2- 7 | 3911 9353 |
| 4.2 | | 3/14/19-03/16/919 | MR 2-19 | 3934 9507 | 5.1 | | 4/22/97-04/24/897 H | MR | 4053 9400 |
| 2.8 | | 5/25/47-05/30/947 A | MR 8- 6 | 4101 9553 | 4.5 | | 4/22/50-04/25/950 H | | 4055 9038 |
| | | | | | 4.1 | | 5/29/29-06/03/929 A | MR 3-25 | 4015 9492 |
| | | | | | 4.1 | | 5/30/19-06/04/919 A | MR 2-21 | 4047 9320 |
| 17(4) | | | | | 18(2) | | | | |
| 4.5(10000- 42) | | 4/04/47-04/05/947 H | | 4134 8805 | 7.5 | | 3/23/13-03/27/913 A | OR 1-15 | 4022 8346 |
| 4.0 | | 3/09/39-03/12/939 A | URV 4-16 | 3929 8811 | 4.5 | | 5/19/12-05/22/912 A | GL 3- 1 | 4359 8429 |
| 4.0(10000- 36) | | 5/17/27-05/19/927 A | URV 4-12 | 4060 8841 | | | | | |
| 3.9(10000- 24) | | 3/24/54-03/25/954 H | | 4123 8928 | | | | | |
| 19(8) | | | | | 20(1) | | | | |
| 7.7 | | 3/30/89-06/01/889 A | SA 1- 1 | 4145 7717 | 3.0 | | 4/11/33-04/14/933 A | MA 1-23 | 4308 7056 |
| 6.5 | | 5/17/94-05/22/894 A | NA 1- 4 | 3926 7514 | | | | | |
| 6.0 | | 4/24/37-04/28/937 A | SA 5-13 | 3940 7754 | | | | | |
| 4.8 | | 3/16/36-03/21/936 A | SA 1-27 | 3921 7845 | | | | | |
| 4.5 | | 5/19/42-05/23/942 A | MA 2- 5 | 4048 7608 | | | | | |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 6.2 | | 4/04/26-04/09/926 H | | 3413 11803 |
| | | | | | 4.1 | | 3/11/05-03/17/905 H | | 3418 11806 |
| 23(3) | | | | | 24(1) | | | | |
| 3.9 | | 4/09/05-04/13/905 H | | 3414 11247 | 3.1 | | 4/19/33-04/22/933 R | | 3808 10528 |
| 2.4 | | 3/12/05-03/20/905 H | | 3419 11250 | | | | | |
| 2.4(10000- 36) | | 4/05/26-04/10/926 H | | 3451 11200 | | | | | |
| 25(5) | | | | | 26(10) | | | | |
| 6.5 | | 4/29/14-05/02/914 A | SM 1-16 | 3620 10306 | 11.7 | | 5/06/43-05/12/943 A | SW 2-20 | 3529 9518 |
| 5.7 | | 4/04/00-04/05/900 H | | 3724 10237 | 8.2 | | 5/21/08-05/25/908 A | SW 1-10 | 3425 9839 |
| 3.8(10000- 30) | | 5/30/38-05/31/938 A | MR 3-29 | 3854 10145 | 8.0 | | 5/12/43-05/20/943 A | SW 2-21 | 3552 9604 |
| 3.5 | | 5/26/37-05/30/937 A | GM 5-17 | 3449 10344 | 7.0 | | 5/02/98-05/06/898 A | SW 1- 2 | 3513 9728 |
| 3.0(20000- 48) | | 4/17/42-04/21/942 A | SM 3- 6 | 3655 10258 | 4.8 | | 5/25/03-05/31/903 A | MR 1- 9 | 3849 9756 |
| 27(11) | | | | | 28(5) | | | | |
| 7.2 | | 5/25/93-05/29/893 A | SM 1- 1 | 3444 9049 | 8.0(10000- 36) | | 3/15/19-03/17/919 A | LHV 1-12 | 3525 8839 |
| 6.4 | | 4/17/27-04/21/927 A | SM 2- 4 | 3441 9205 | 7.8 | | 3/25/02-03/29/902 A | LHV 2- 7 | 3442 8857 |
| 6.1 | | 5/09/18-05/13/918 A | LHV 1-11 | 3620 9230 | 7.2 | | 3/21/29-03/25/929 A | OR 7-15 | 3548 8558 |
| 5.9(10000- 42) | | 3/24/04-03/26/904 A | LHV 2- 4 | 3659 9159 | 5.9(10000- 42) | | 3/11/63-03/12/963 H | OR 5- 8 | 3728 8806 |
| 5.0 | | 4/12/11-04/15/911 A | LHV 1- 8 | 3433 9237 | 4.2 | | 3/28/38-03/31/938 A | OR | 3728 8806 |
| 29(5) | | | | | 30(3) | | | | |
| 8.4 | | 3/26/86-04/01/886 H | | 3522 8247 | 5.6 | | 5/18/01-05/22/901 A | SA 2- 4 | 3432 7900 |
| 7.2 | | 3/01/67-03/07/867 H | | 3507 8325 | 3.9 | | 4/17/10-04/18/910 H | | 3650 7740 |
| 5.0(10000- 30) | | 3/14/12-03/15/912 A | SA 2- 7 | 3519 8059 | 3.6 | | 5/07/24-05/12/924 A | SA 1-24 | 3802 7830 |
| 4.9(10000- 42) | | 3/11/63-03/12/963 H | | 3448 8342 | | | | | |
| 3.6 | | 3/12/18-03/15/918 A | OR 3-10 | 3815 8034 | | | | | |
| 31(0) | | | | | 32(1) | | | | |
| | | | | | 2.5 | | 3/11/41-03/17/941 H | | 3323 11100 |
| 33(0) | | | | | 34(1) | | | | |
| | | | | | 4.4 | | 5/20/41-05/25/941 A | GM 5-18 | 3307 10312 |
| 35(7) | | | | | 36(20) | | | | |
| 9.8 | | 3/28/45-04/02/945 A | SM 3- 5 | 3220 9545 | 11.1 | | 5/11/33-05/19/953 A | LHV 5- 4 | 3146 9149 |
| 8.3 | | 5/28/07-05/31/907 A | SM 3-13 | 2936 9538 | 10.3 | | 4/12/27-04/16/927 A | LHV 4- 8 | 2940 9005 |
| 7.8 | | 5/25/29-05/30/929 A | GM 4-26 | 3012 9813 | 8.7 | | 4/25/53-05/04/953 A | LHV 5- 3 | 3104 9312 |
| 6.8 | | 5/22/36-05/28/936 A | GM 5- 5 | 2955 9633 | 8.1 | | 3/24/14-03/28/914 A | LHV 3-19 | 3046 9332 |
| 6.3 | | 4/22/15-04/26/915 A | GM 4- 1 | 3018 9742 | 7.7 | | 5/16/35-05/20/935 A | LHV 4-21 | 3059 9148 |
| 37(9) | | | | | 38(3) | | | | |
| 15.2 | | 3/11/29-03/16/929 A | LHV 2-20 | 3125 8604 | 5.6 | | 3/03/29-03/05/929 A | SA 3-19 | 3233 8414 |
| 11.0 | | 4/15/00-04/18/900 A | LHV 2- 5 | 3277 8750 | 5.6 | | 4/05/36-04/10/936 A | SA 3-21A | 3344 8244 |
| 9.7 | | 4/05/38-04/09/938 A | GM 2-25 | 3208 8802 | 5.3 | | 5/21/06-05/26/906 A | SA 4- 9 | 3005 8151 |
| 8.5 | | 4/12/74-04/14/974 H | | 3155 8942 | | | | | |
| 8.9 | | 3/22/97-03/23/897 H | | 3120 8537 | | | | | |
| 39(1) | | | | | 40(0) | | | | |
| 6.7 | | 5/27/25-05/29/925 A | GM 4-21 | 2843 10030 | | | | | |

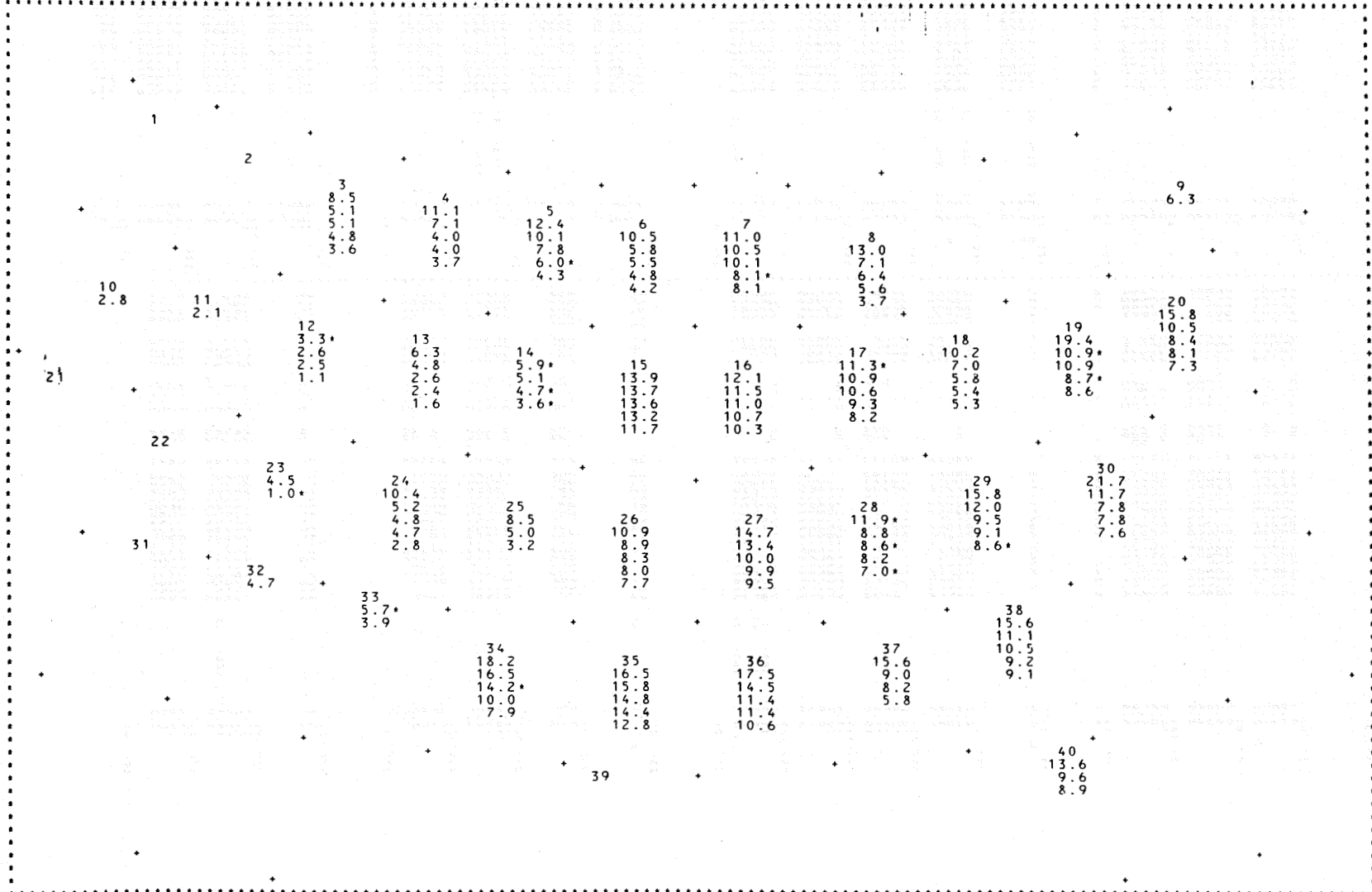
FIVE GREATEST OBSERVED 100 SQUARE MILE- 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|---------------------|---------------------|-------------------------------|-----------------|-------|---------------|---------------------|---------------------|-------------------------------|-----------------|-------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(0) | | | | | | 2(0) | | | | | |
| 3(8) | | 6/06/64-06/08/964 A | MP 2-23 | 4726 | 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 | 10335 |
| 4.0 | | 6/16/48-06/17/948 H | - | 4812 | 11230 | 8.5 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 | 10939 |
| 2.1 | | 6/19/16-06/22/916 R | - | 4728 | 11146 | 5.0 | | 6/07/44-06/18/944 R | MR 4-16 | 4722 | 10814 |
| 2.0 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 | 11210 | 3.5 | | 6/22/23-07/26/923 A | MR 4-22 | 4446 | 10658 |
| B 2.0 | | 6/26/44-06/27/944 R | - | 4415 | 11215 | 2.8 | | 6/12/14-06/14/914 A | MR 5-20 | 4821 | 10733 |
| 5(9) | | 6/24/66-06/24/966 R | - | 4721 | 10119 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 | 9548 |
| 9.7 | | 6/25/14-06/28/914 A | HR 4-14A | 4629 | 10017 | 10.3 | | 7/01/01-07/06/901 A | UMV 1-8 | 4824 | 9620 |
| 6.6 | | 6/28/41-08/31/941 A | HR 4-10 | 4435 | 10320 | 5.4 | | 6/08/22-06/11/922 A | HR 4-16 | 4230 | 9719 |
| 4.0 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 | 10140 | 4.0 | | 6/25/14-06/28/914 A | MR 4-14B | 4533 | 9535 |
| 2.9 | | 6/06/29-06/07/929 A | MR 4-28 | 4657 | 10400 | 3.1 | | 7/18/97-07/22/897 A | UMV 1-2 | 4747 | 9555 |
| 7(14) | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 | 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 | 8200 |
| 10.3 | | 7/21/72-07/22/972 H | UMV 1-22 | 4610 | 9430 | 8.8 | | 8/31/37-09/03/937 A | GL 3-21 | 4420 | 8812 |
| 4.4 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 | 9128 | 6.7 | | 6/08/22-06/11/922 A | GL 3-21 | 4420 | 8812 |
| 8.1 | | 7/13/16-07/17/916 A | UMV 1-16 | 4419 | 9428 | 5.4 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 | 8941 |
| 7.0 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 | 9020 | 2.7 | | 7/01/00-07/06/900 A | UMV 1-5 | 4457 | 8937 |
| 6.8 | | | | | | | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 | 7546 | 10(1) | | 6/04/47-06/05/947 R | - | 4030 | 12215 |
| 4.4 | | | | | | 2.7 | | | | | |
| 11(1) | | 6/10/43-06/13/943 R | - | 4140 | 11525 | 12(4) | | 7/23/13-07/26/913 R | - | 4235 | 11230 |
| B 1.9 | | | | | | 3.1(B) | 200- 6) | 8/28/09-09/02/909 H | - | 3930 | 11050 |
| | | | | | | 1.4 | | 6/08/47-06/12/947 H | - | 4109 | 11155 |
| | | | | | | 0.9 | | | | | |
| 13(5) | | 8/31/38-09/04/938 R | HR 5- 8 | 4025 | 10512 | 14(4) | | 6/17/47-06/18/947 A | MR 7-16 | 4149 | 10341 |
| 4.8 | | 8/30/38-09/04/938 A | - | 4025 | 10510 | 5.7(B) | 100- 4) | 7/27/51-07/28/951 A | MR 10- 7 | 4230 | 10306 |
| 4.4 | | 7/27/22-08/03/922 R | - | 3945 | 10533 | 4.7 | | 6/12/49-06/14/949 R | - | 4004 | 10427 |
| 2.1 | | 7/19/29-07/24/929 R | - | 3913 | 10517 | 3.6(B) | 200- 6) | 6/12/49-06/14/949 R | - | 4000 | 10438 |
| 1.9 | | 6/07/43-06/07/943 R | - | 3933 | 10720 | | | | | | |
| 1.1 | | | | | | | | | | | |
| 15(24) | | 7/22/11-07/23/911 R | - | 4022 | 9654 | 16(34) | | 7/01/58-07/02/958 H | - | 4143 | 9436 |
| 12.7 | | 6/25/63-06/24/963 H | - | 4114 | 9703 | 10.3 | | 7/09/22-07/12/925 A | MR 2-29 | 4029 | 9423 |
| 12.4 | | 6/10/44-06/13/944 A | MR 6-15 | 4132 | 9703 | 9.4 | | 7/16/68-07/17/968 H | - | 4230 | 9219 |
| 11.7 | | 6/04/96-06/07/896 A | HR 4- 3 | 4133 | 9832 | 9.2 | | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 | 9148 |
| 11.6 | | 6/03/40-06/04/940 A | HR 4- 5 | 4201 | 9653 | 7.9 | | 6/25/44-06/26/944 A | UMV 2-30 | 4158 | 9058 |
| 10.6 | | | | | | | | | | | |
| 17(11) | | 8/31/14-09/01/914 A | GL 2-16 | 4225 | 8535 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 | 8152 |
| 11.3 | | 7/08/51-07/09/951 H | - | 4045 | 8849 | 7.6 | | 7/12/13-07/15/913 A | OR 3- 7 | 4003 | 8213 |
| 10.3 | | 6/27/57-06/28/957 H | - | 3938 | 8742 | 6.7 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 | 8354 |
| 8.0 | | 7/18/52-07/19/952 H | - | 4215 | 8903 | 5.3 | | 7/03/31-07/03/931 A | OR 2- 6 | 3900 | 8242 |
| 7.8 | | 7/12/57-07/13/957 H | - | 4108 | 8753 | 4.4 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 | 8234 |
| 6.6 | | | | | | 6.4 | | | | | |
| 19(27) | | 7/17/42-07/18/942 A | DR 9-23 | 4150 | 7825 | 20(17) | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 | 7416 |
| 16.4 | | 8/05/43-08/05/843 H | - | 3933 | 7532 | 9.0 | | 8/17/55-08/20/955 A | NA 2-22A | 4207 | 7245 |
| 10.9(100- 3) | | 7/09/45-07/09/945 H | - | 4042 | 7512 | 7.6 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 | 7421 |
| 8.7(100- 4) | | 6/19/72-06/23/972 H | - | 4204 | 7810 | 6.2 | | 8/20/35-08/24/935 A | NA 1-24 | 4156 | 7423 |
| 7.1 | | 8/01/13-08/01/913 H | - | 4059 | 7512 | 5.3(100- 3) | | 8/21/39-08/21/939 H | - | 4351 | 7025 |
| 6.9 | | | | | | | | | | | |
| 21(0) | | | | | | 22(0) | | | | | |
| | | | | | | | | | | | |
| 23(2) | | 8/26/51-08/30/951 H | - | 3407 | 11221 | 24(13) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 | 10504 |
| B 0.9(1108- 6) | | 8/17/45-08/19/945 R | - | 3737 | 11430 | 8.8 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 | 10620 |
| | | | | | | 4.5 | | 6/06/13-06/12/913 A | SW 1-14 | 3536 | 10505 |
| | | | | | | 3.5 | | 8/17/21-08/23/921 R | - | 3728 | 10510 |
| | | | | | | 2.8 | | | | | |
| | | | | | | 2.7 | | 8/29/42-09/01/942 A | SW 2-29 | 3456 | 10506 |
| 25(3) | | 6/13/65-06/20/965 H | SW 2- 7A | 3743 | 10223 | 26(13) | | 6/02/32-06/06/932 A | SW 2- 7 | 3530 | 9654 |
| 7.7 | | 6/02/32-06/06/932 A | SW 2-27 | 3549 | 10456 | 8.9 | | 8/11/29-08/14/929 A | MR 3-13 | 3831 | 9912 |
| 4.9 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 | 10456 | 8.0 | | 8/15/32-08/17/932 A | SW 2- 8 | 3624 | 9754 |
| 2.8 | | | | | | 7.2 | | 7/25/63-07/25/963 H | SW 2- 5 | 3611 | 9554 |
| | | | | | | 6.8 | | 7/12/27-07/15/927 A | SW 2- 5 | 3412 | 9708 |
| | | | | | | 6.7 | | | | | |
| 27(22) | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 | 9420 | 28(9) | | 8/11/52-08/12/952 A | UMV 3-30 | 3712 | 8933 |
| 12.0 | | 8/11/57-08/15/957 H | - | 3437 | 9024 | 11.9 | | 6/18/35-06/18/935 H | OR 5- 5 | 3712 | 8648 |
| 10.9 | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 | 9313 | 7.0(100- 3) | | 6/20/35-06/21/935 A | UMV 5- 5 | 3712 | 8712 |
| 9.0 | | 6/03/43-06/04/943 A | MR 6- 3 | 3831 | 9409 | 6.7 | | 6/22/69-06/23/969 H | - | 3644 | 8613 |
| 8.1 | | 7/07/42-07/09/942 A | UMV 3-21 | 3845 | 9023 | 5.8(1000- 6) | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 | 8959 |
| 8.1 | | | | | | 5.6 | | | | | |
| 29(12) | | 7/04/39-07/05/939 H | - | 3813 | 8322 | 30(13) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 | 7900 |
| 14.4 | | 8/04/43-08/05/943 A | DR 3-30 | 3856 | 8050 | 12.9 | | 7/26/97-07/29/897 A | NA 1- 7 | 3846 | 7634 |
| 8.2 | | 8/30/40-08/31/940 H | - | 3500 | 8306 | 10.5 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 | 7651 |
| 7.8 | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 | 8201 | 5.2 | | 7/27/23-08/01/923 A | NA 1-15 | 3813 | 7806 |
| 7.2 | | 7/31/52-08/03/952 A | DR 2- 8 | 3802 | 8436 | 5.0 | | 8/10/40-08/17/940 A | SA 5-19C | 3442 | 7718 |
| 7.0 | | | | | | | | | | | |
| 31(0) | | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 | 11124 |
| | | | | | | 4.5 | | | | | |
| 33(2) | | 8/29/35-08/30/935 H | GH 3-13 | 3217 | 10646 | 34(0) | | 6/19/39-06/20/939 H | - | 3244 | 10055 |
| 5.7 | | 7/21/05-07/25/905 A | GH 3-13 | 3256 | 10517 | 14.2 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 | 10123 |
| 3.5 | | | | | | 12.6 | | 6/23/48-06/24/948 H | - | 2922 | 10037 |
| | | | | | | 11.3 | | 7/19/38-07/25/938 A | GH 5-10 | 3046 | 10044 |
| | | | | | | 9.4 | | 8/04/06-08/06/906 A | GH 3-14 | 3117 | 10048 |
| | | | | | | 7.6 | | | | | |
| 35(11) | | 6/27/36-07/04/936 A | GH 5- 6 | 2924 | 9739 | 36(11) | | 6/13/86-06/17/886 A | LHV 4-27 | 3119 | 9233 |
| 12.7 | | 6/30/32-07/02/932 A | GH 5- 1 | 3001 | 9907 | 11.5 | | 8/12/38-08/15/938 A | LHV 4-23 | 3020 | 9245 |
| 11.2 | | 6/05/43-06/07/943 A | SW 3- 3 | 3240 | 9536 | 9.5 | | 6/30/40-07/02/940 A | LHV 4-25 | 3333 | 9403 |
| 11.1 | | 8/28/40-08/31/940 A | GR 5-11 | 2941 | 9701 | 8.4 | | 7/27/43-07/29/943 A | GH 5-21 | 3002 | 9435 |
| 10.1(100- 3) | | 8/24/47-08/27/947 A | SW 3-17B | 3251 | 9651 | 8.2 | | 8/06/40-08/09/940 A | LHV 4-24 | 2943 | 9210 |
| 9.9 | | | | | | 8.0 | | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GH 1-19 | 3049 | 8619 | 38(6) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 | 8202 |
| 12.8 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 | 8543 | 13.4 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 | 8012 |
| 6.6 | | 6/01/28-06/05/928 A | LHV 2-18 | 3155 | 8745 | 6.9 | | 7/27/87-07/31/887 A | SA 3- 1 | 3337 | 8304 |
| 6.2 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 | 8502 | 6.2 | | 8/10/40-08/17/940 A | SA 3-19D | 3223 | 8043 |
| 3.8 | | | | | | 6.0 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 | 8042 |
| | | | | | | | | | | | |
| 39(0) | | | | | | 40(3) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 | 8238 |
| | | | | | | 13.4 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 | 8117 |
| | | | | | | 6.4 | | | | | |

FIVE GREATEST OBSERVED 100 SQUARE MILE- 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

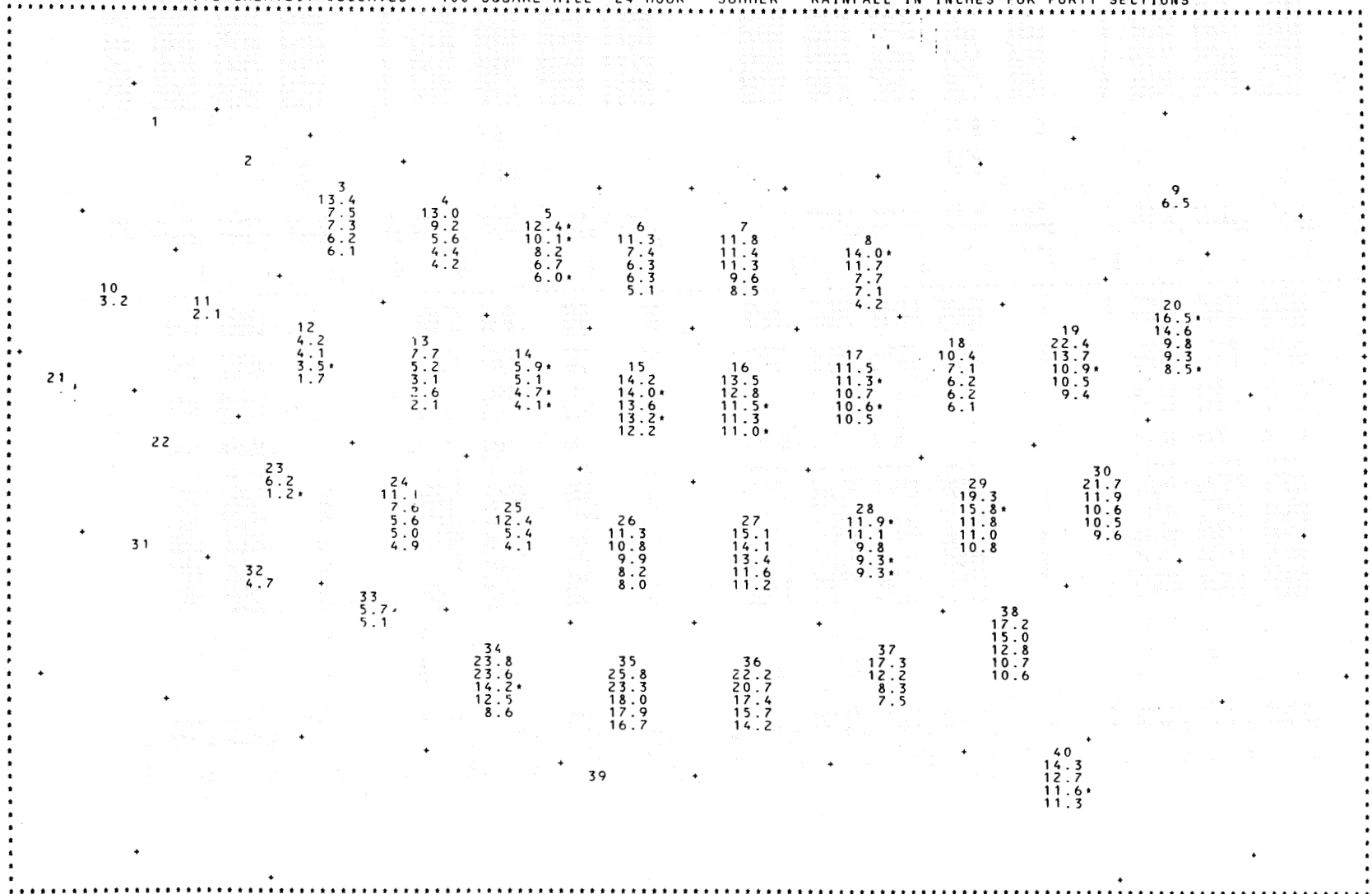


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

Table with columns: VALUE, COMMENT AREA/DUR, STORM DATE & SOURCE, CORPS ASSIGNMENT NUMBER, LOCATION LAT, LONG, VALUE, COMMENT AREA/DUR, STORM DATE & SOURCE, CORPS ASSIGNMENT NUMBER, LOCATION LAT, LONG. It lists 40 sections of storm data.

FIVE GREATEST OBSERVED 100 SQUARE MILE- 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

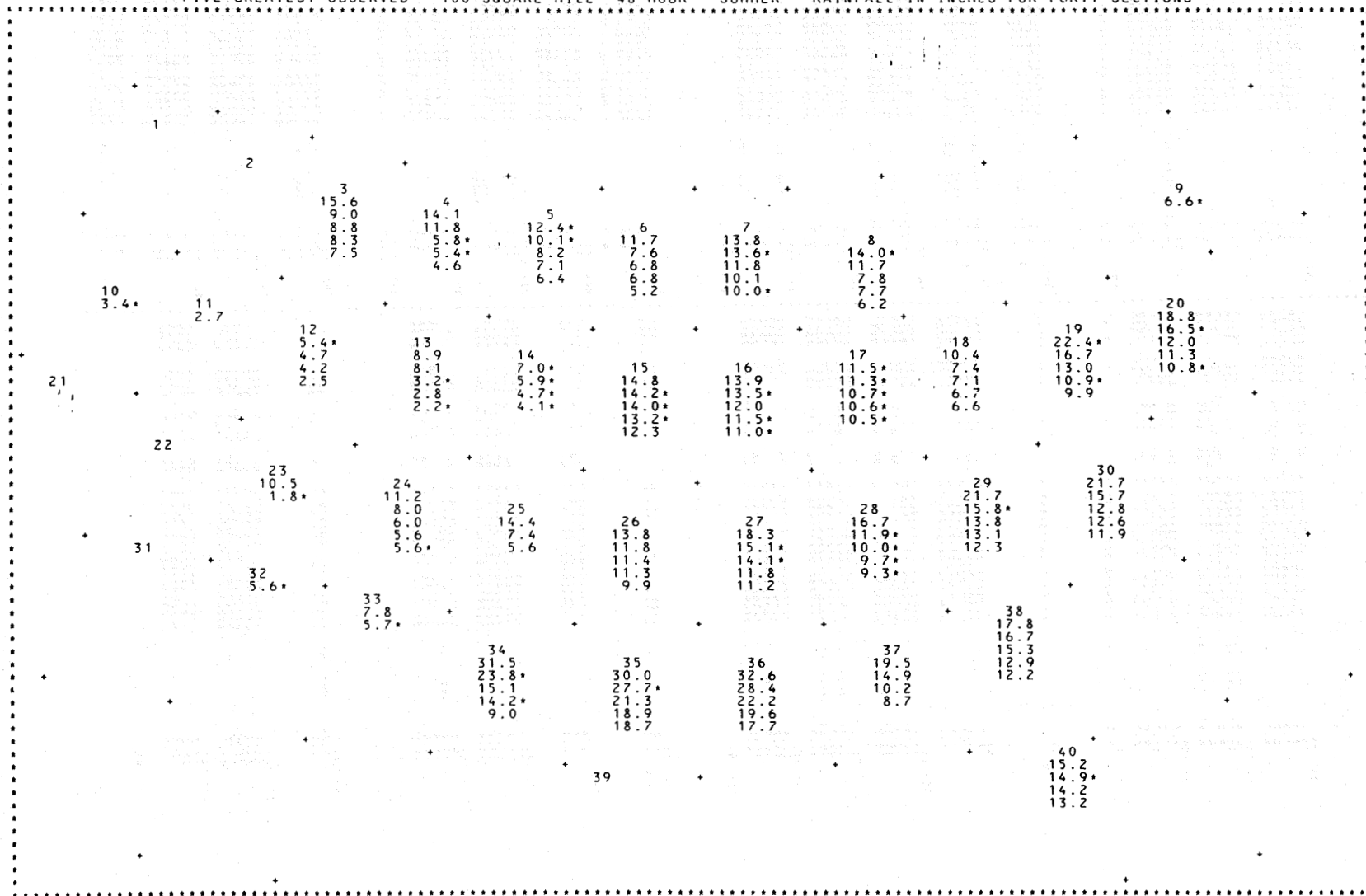


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|----------------------|---|--|--|---------|----------------------|---|--|--|
| 1(0) | | | | | 2(0) | | | | |
| 3(9) | | 6/09/66-06/08/964 A 6/01/53-06/04/953 H 6/16/48-06/17/948 H 6/03/08-06/06/908 A 6/19/16-06/22/916 R | NP 2-23 - - MR 5-15 - | 4726 11241 4725 11050 4812 11230 4711 11108 4728 11166 | 4(9) | | 6/17/21-06/21/921 A 6/06/06-06/08/906 A 6/07/10-06/08/910 A 6/11/37-06/13/937 A 6/14/44-06/18/944 R | MR 4-21 MR 5-13 MR 5-17 MR 5-29 MR 4-21 | 4718 10535 4800 10939 4639 10918 4730 10534 4722 10814 |
| 5(10) | 100- 12) | 6/09/72-06/09/972 H 6/24/66-06/24/966 R 6/23/14-06/28/914 A 7/05/28-07/08/928 A 7/12/07-06/13/907 A | - - MR 4-14A UMV 1-18 MR 4-10 | 4412 10331 4721 10119 4629 10017 4820 10140 4825 10320 | 6(1) | | 7/18/09-07/23/909 A 7/01/01-07/06/901 A 7/18/97-07/22/897 A 8/19/18-08/22/918 A 6/25/14-06/28/914 A | UMV 1-11A UMV 1- 8 UMV 1- 2 MR 4-16 MR 4-14B | 4721 9548 4822 9620 4747 9555 4730 9719 4753 9555 |
| 7(15) | | 8/28/41-08/31/941 A 7/21/72-07/22/972 H 7/18/09-07/23/909 A 7/25/97-07/27/897 A 6/03/05-06/08/905 A | UMV 1-22 - UMV 1-11 GL 4- 5 GL 2-12 | 4600 9128 4610 9430 4627 9011 4600 9030 4508 9020 | 8(5) | 100- 18) | 7/04/69-07/05/969 H 7/19/12-07/24/912 A 8/31/37-09/03/937 A 6/08/22-06/11/922 A 7/01/00-07/06/900 A | GL 2-29 GL 3- 5 GL 2-21 UMV 1- 5 | 4400 8200 4511 8941 4517 8437 4426 8812 4457 8957 |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(1) | | 6/04/47-06/05/947 R | - | 4030 12215 |
| 11(1) | B 2.1 | 6/10/43-06/13/943 R | - | 4140 11525 | 12(4) | | 6/07/44-06/12/944 R 8/28/09-09/02/909 H 7/23/13-07/26/913 R 6/08/47-06/12/947 H | - - - - | 4345 11335 3930 11050 4235 11230 4109 11155 |
| 13(5) | | 8/31/38-09/04/938 R 8/30/38-09/04/938 A 7/27/22-09/03/922 R 7/19/29-07/23/929 R 6/01/43-06/03/943 R | MR 5- 8 - - - - | 4025 10512 4023 10504 3945 10533 3953 10517 3933 10720 | 14(4) | | 6/17/47-06/18/947 A 6/12/49-06/14/949 R 7/27/51-07/28/951 A 6/12/49-06/14/949 R | MR 7-16 MR 10- 7 MR 10- 7 MR 10- 7 | 4149 10341 4004 10427 4236 10306 4000 10438 |
| 15(24) | 100- 17) | 6/23/63-06/24/963 H 8/12/66-08/13/966 R 7/12/57-07/13/957 H 7/22/11-07/23/911 R 6/23/91-06/27/891 A | - MR 6-15 - - MR 4- 2 | 4114 9705 4133 9832 4108 8753 4022 9654 4252 9530 | 16(34) | | 7/16/68-07/17/968 H 8/24/03-08/28/903 A 7/19/12-07/24/912 A 7/09/22-07/12/922 A 7/01/58-07/02/958 H | MR 1-10 MR 2- 5 UMV 2-29 - - | 4230 9219 4207 9335 4042 9148 4029 8539 4143 9456 |
| 17(11) | 100- 6) | 6/27/57-06/28/957 H 8/31/14-09/01/914 A 7/08/51-07/09/951 H 6/29/38-07/01/938 A | GL 2-16 - - GL 3-11 | 3938 8742 4225 8535 4045 8849 4235 8802 | 18(11) | | 8/06/35-08/07/935 A 7/12/13-07/15/913 A 8/25/03-08/30/903 A 8/08/13-08/10/913 A | OR 9-11 OR 3- 7 GL 1- 9 GL 3- 2 | 4016 8152 4003 8213 4119 8152 4336 8354 |
| 19(27) | 100- 3) | 7/17/42-07/18/942 A 6/19/72-06/23/972 H 8/05/45-08/05/843 H 7/06/35-07/10/935 A 8/20/33-08/24/933 A | OR 9-23 - - NA 1-27 NA 1-24B | 4150 7825 4204 7810 3953 7532 4230 7653 3955 7645 | 20(18) | | 8/19/39-08/19/939 A 8/17/55-08/20/955 A 8/20/33-08/24/933 A 8/13/19-08/14/919 A 8/26/71-08/28/971 H | NA 2- 3 NA 2-22A NA 1-24 NA 1-12 NA 1-12 | 3942 7416 4207 7245 4156 7423 3906 7421 4004 7440 |
| 21(0) | | | | | 22(0) | | | | |
| 23(2) | B 1.2(1108- 24) | 8/26/51-08/30/951 H 8/17/45-08/19/945 R | - - | 3407 11221 3737 11430 | 24(14) | | 6/02/21-06/06/921 A 8/29/42-09/01/942 A 8/01/68-08/01/968 H 7/19/15-07/28/915 A 6/06/13-06/12/913 A | SW 1-23 SW 2-29 SW 1-18 SW 1-14 | 3827 10504 3456 10506 3749 10923 3446 10620 3556 10505 |
| 25(3) | | 6/13/65-06/20/965 H 6/02/32-06/06/932 A 8/06/29-08/11/929 A | - SW 2- 7A SW 2-27 | 3743 10223 3828 10146 3549 10456 | 26(13) | | 6/02/32-06/06/932 A 8/15/32-08/17/932 A 7/12/27-07/15/927 A 6/04/16-06/06/916 A 8/11/27-08/14/927 A | SW 2- 7 SW 2- 8 SW 2- 5 MR 2-12 MR 5-15 | 3530 9654 3624 9754 3412 9708 3643 9703 3631 9912 |
| 27(22) | | 6/14/57-06/15/957 H 8/27/47-08/28/947 A 8/12/46-08/15/946 A 8/25/19-08/29/919 A 6/28/05-07/02/905 A | - SW 3- 7A MR 7- 2A MR 2-22 MR 1-16B | 3837 9024 3414 9420 3840 9313 3846 9344 3407 9303 | 28(10) | 100- 6) | 8/11/52-08/12/952 A 8/12/46-08/16/946 A 6/20/35-06/21/935 A 8/02/39-08/03/959 H 6/22/69-06/23/969 H | UMV 3-30 MR 7- 2B OR 5- 5 - - | 3712 8933 3840 8959 3712 8712 3643 8616 3644 8613 |
| 29(14) | 100- 12) | 7/13/16-07/17/916 A 7/04/39-07/05/939 H 8/30/40-08/31/940 H 8/13/28-08/17/928 A 8/23/08-08/28/908 A | SA 2- 9 - - SA 2-13 SA 2- 6 | 3553 8201 3813 8322 3500 8306 3507 8238 3626 8028 | 30(13) | | 8/19/69-08/20/969 A 7/26/97-07/29/897 A 8/01/28-08/13/928 A 8/10/40-08/17/940 A 8/10/55-08/15/955 A | NA 2-23 NA 1- 7 NA 1-18 SA 5-19A NA 2-21B | 3749 7900 3846 7634 3844 7651 3703 7830 3507 7830 |
| 31(0) | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 11124 |
| 33(2) | 100- 9) | 8/29/35-08/30/935 H 7/21/05-07/25/905 A | - GM 3-13 | 3217 10646 3256 10517 | 34(6) | | 6/23/48-06/24/948 H 6/23/54-06/28/954 A 6/19/39-06/20/939 H 7/19/38-07/25/938 A 8/04/06-08/06/906 A | - SW 3-22 MR 2-12 GM 5-10 GM 3-14 | 2922 10037 3022 10123 3244 10055 3046 10044 3117 10048 |
| 35(11) | | 6/30/32-07/02/932 A 6/27/99-07/01/889 A 8/30/32-09/05/932 A 6/28/40-06/30/940 A 8/26/45-08/29/945 A | GM 5- 1 GM 3- 4 GM 5-16A GM 5-11 GM 5-23 | 3001 9907 3052 9632 3144 9610 2941 9701 3002 9551 | 36(11) | | 6/13/86-06/17/886 A 8/06/40-08/09/940 A 7/23/33-07/27/933 A 7/27/43-07/29/943 A 8/12/38-08/15/938 A | LMV 4-27 LMV 4-24 LMV 2-26 GM 5-21 LMV 4-23 | 3119 9233 2945 9210 3158 9400 3002 9435 3020 9205 |
| 37(4) | | 7/05/16-07/10/916 A 6/01/28-06/05/928 A 8/26/98-08/29/898 A 7/29/36-08/02/936 A | GM 1-19 LNV 2-18 SA 5- 5 SA 3-22 | 3049 8619 3053 8743 3022 8543 3026 8502 | 38(6) | | 8/28/11-08/31/911 A 7/13/16-07/17/916 A 8/26/93-08/28/893 A 8/10/40-08/17/940 A 8/30/98-09/03/898 A | SA 3-11 SA 2- 9A SA 2- 1 SA 5-10D SA 3- 6 | 3030 8202 3340 7949 3341 8012 3341 8013 3223 8042 |
| 39(0) | | | | | 40(4) | | 8/01/15-08/03/915 A 6/12/34-06/16/934 A 6/29/09-07/03/909 H 8/07/28-08/12/928 A | SA 4-15 SA 5- 1 - SA 4-24 | 2747 8258 2821 8217 2808 8247 2814 8117 |

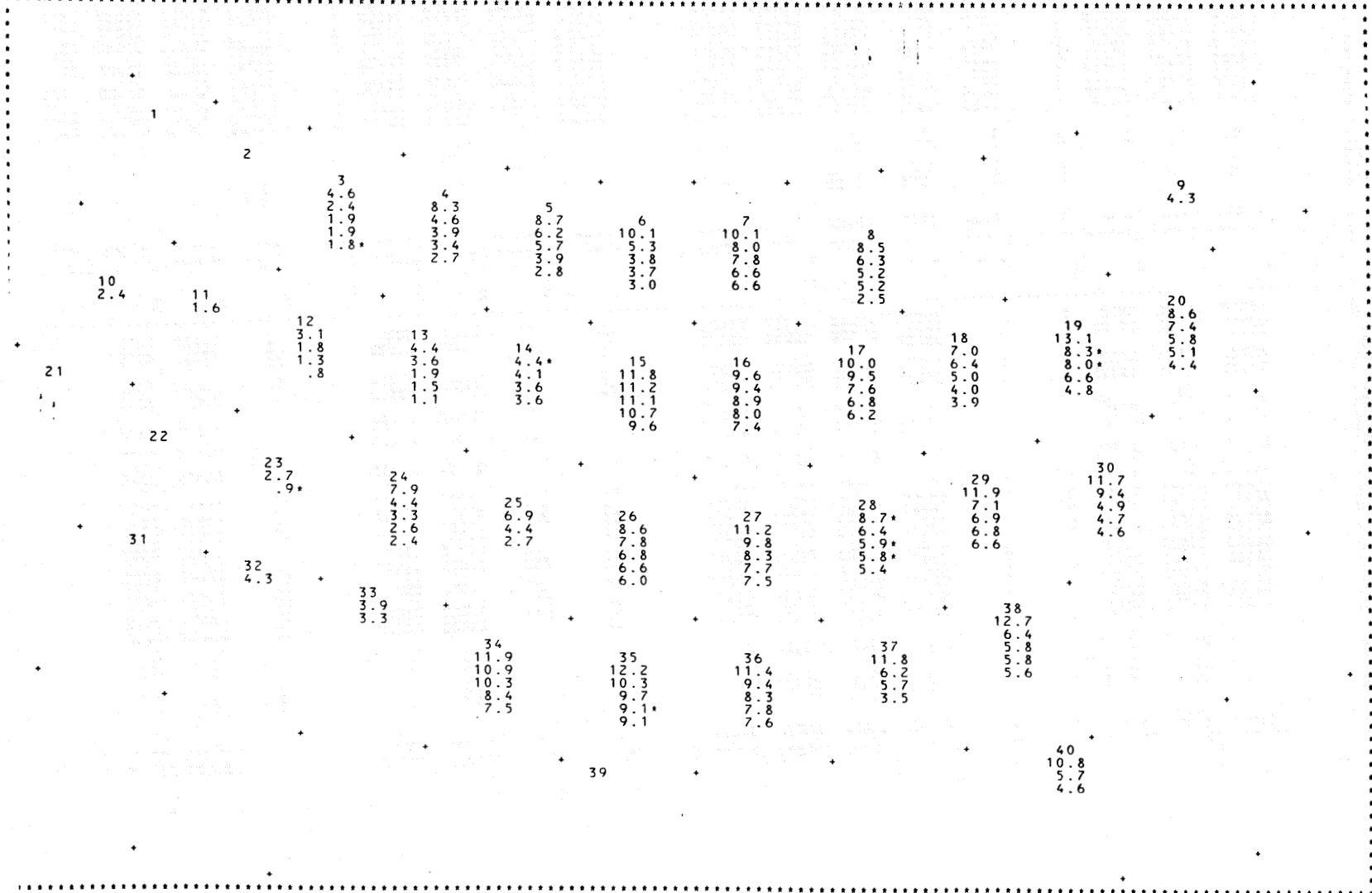
FIVE GREATEST OBSERVED 100 SQUARE MILE- 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | | | | | | | |
|---|------------------|---------------------|-------------------------|--------------|-------|---------|------------------|---------------------|-------------------------|--------------|-------|-------|------------------|---------------------|-------------------------|--------------|-------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(0) | | | | | | 2(0) | | | | | | | | | | | |
| 3(9) | | | | | | 4(9) | | | | | | | | | | | |
| 15.6 | | 6/06/64-06/08/964 A | MP 2-23 | 4726 | 11241 | 14.1 | | 6/17/21-06/21/921 A | MR 4-21 | 4718 | 10353 | 14.1 | | 6/17/21-06/21/921 A | MR 4-21 | 4718 | 10353 |
| 9.0 | | 6/01/53-06/04/953 H | - | 4725 | 11050 | 11.8 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 | 10939 | 5.8(| 100- 30) | 6/07/10-06/08/910 A | MR 5-17 | 4639 | 10918 |
| 8.8 | | 6/16/48-06/17/948 H | - | 4812 | 11230 | 5.8(| | 7/14/18-07/13/918 A | MR 5-23 | 4850 | 10905 | 5.4(| 100- 42) | 6/14/44-06/18/944 R | MR 5-23 | 4850 | 10905 |
| 8.3 | | 6/19/16-06/22/916 R | - | 4728 | 11146 | 4.6 | | | | | | 4.6 | | | | | |
| 7.5 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 | 11108 | | | | | | | | | | | | |
| 5(10) | | | | | | 6(5) | | | | | | | | | | | |
| 12.4(| 100- 12) | 6/09/72-06/09/972 H | - | 4412 | 10331 | 11.7 | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 | 9568 | 11.7 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 | 9620 |
| 10.1(| 100- 12) | 6/24/66-06/24/966 R | - | 4721 | 10119 | 7.6 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 | 9355 | 6.8 | | | | | |
| 8.2 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 | 10017 | 6.8 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 | 9719 | 5.2 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 | 9355 |
| 7.1 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 | 10140 | 6.8 | | | | | | | | | | | |
| 6.4 | | 6/26/44-06/27/944 R | - | 4900 | 10233 | 5.2 | | | | | | | | | | | |
| 7(15) | | | | | | 8(5) | | | | | | | | | | | |
| 13.8 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 | 9128 | 11.7(| 100- 18) | 7/04/69-07/05/969 H | - | 4400 | 8200 | 11.7(| | 7/19/12-07/24/912 A | GL 2-29 | 4511 | 8941 |
| 13.6(| 100- 45) | 7/21/72-07/22/972 H | - | 4610 | 9438 | 7.8 | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 | 8437 | 7.8 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 | 8812 |
| 11.8 | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 | 9011 | 7.7 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 | 8937 | 6.2 | | | | | |
| 10.1 | | 6/03/05-06/08/905 A | GL 2-12 | 4588 | 9020 | 6.2 | | | | | | | | | | | |
| 10.0(| 100- 36) | 7/25/97-07/27/897 A | GL 4- 5 | 4600 | 9050 | | | | | | | | | | | | |
| 9(1) | | | | | | 10(1) | | | | | | | | | | | |
| 6.6(| 100- 36) | 8/24/92-08/27/892 H | - | 4427 | 7546 | 3.4(| 100- 36) | 6/04/47-06/05/947 R | - | 4030 | 12215 | | | | | | |
| 11(1) | | | | | | 12(4) | | | | | | | | | | | |
| B 2.7 | | 6/10/43-06/13/943 R | - | 4140 | 11525 | B 5.4(| 200- 48) | 7/23/13-07/26/913 R | - | 4235 | 11230 | B 4.7 | | 8/28/09-09/02/909 H | - | 3930 | 11050 |
| | | | | | | B 4.2 | | 6/07/44-06/12/944 R | - | 4345 | 11335 | B 2.5 | | 6/08/47-06/12/947 H | - | 4109 | 11155 |
| | | | | | | | | | | | | | | | | | |
| 13(5) | | | | | | 14(4) | | | | | | | | | | | |
| 8.9 | | 8/30/38-09/04/938 A | MR 5- 8 | 4023 | 10504 | B 7.0(| 100- 36) | 6/12/49-06/14/949 R | - | 4004 | 10427 | 5.9(| 100- 10) | 6/17/47-06/18/947 A | MR 7-16 | 4149 | 10341 |
| 8.1 | | 8/31/38-09/04/938 R | - | 4025 | 10512 | 5.9(| | 7/27/51-07/28/931 A | MR 10- 7 | 4000 | 10438 | 4.7(| 100- 6) | 7/27/51-07/28/931 A | MR 10- 7 | 4000 | 10438 |
| 3.2(| 100- 36) | 8/19/66-06/13/966 R | - | 3945 | 10533 | 4.7(| | 6/12/49-06/14/949 R | - | 4000 | 10438 | 4.1(| 200- 24) | 6/12/49-06/14/949 R | - | 4000 | 10438 |
| 2.8 | | 7/19/29-07/24/929 R | - | 3913 | 10517 | | | | | | | | | | | | |
| 2.2(| 100- 42) | 6/01/43-06/03/943 R | - | 3933 | 10720 | | | | | | | | | | | | |
| 15(24) | | | | | | 16(34) | | | | | | | | | | | |
| 14.8 | | 6/10/44-06/13/944 A | MR 6-15 | 4152 | 9705 | 13.9 | | 8/24/03-08/28/903 A | MR 1-10 | 4057 | 9335 | 13.9 | | 7/16/68-07/17/968 H | MR 2-29 | 4230 | 9219 |
| 14.2(| 100- 24) | 6/23/63-06/24/963 H | - | 4114 | 9703 | 13.5(| 100- 24) | 7/19/42-09/01/942 A | MR 2-29 | 4456 | 10306 | 11.5(| 100- 12) | 6/09/05-06/10/905 A | UMV 2-29 | 4042 | 9148 |
| 14.0(| 100- 17) | 8/17/92-08/03/922 R | - | 4108 | 8753 | 7.1 | | 7/01/58-07/02/958 H | - | 4143 | 9456 | 11.0(| 100- 12) | 7/01/58-07/02/958 H | - | 4143 | 9456 |
| 13.2(| 100- 18) | 7/22/11-07/23/911 R | - | 4022 | 9654 | 6.7 | | | | | | | | | | | |
| 12.3 | | 7/14/00-07/17/900 A | MR 1- 5 | 4305 | 9538 | 6.6 | | | | | | | | | | | |
| 17(11) | | | | | | 18(11) | | | | | | | | | | | |
| 11.5(| 100- 24) | 6/27/57-06/28/957 H | - | 3938 | 8742 | 10.4 | | 8/06/35-08/07/935 A | DR 9-11 | 4016 | 8152 | 10.4 | | 7/12/13-07/15/913 A | DR 3- 7 | 4003 | 8213 |
| 11.3(| 100- 6) | 8/31/14-09/01/934 A | GL 2-16 | 4225 | 8535 | 7.4 | | 7/12/13-07/15/913 A | DR 3- 7 | 4003 | 8213 | 7.1 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 | 8334 |
| 10.7(| 100- 24) | 7/12/57-07/13/957 H | - | 4108 | 8753 | 6.7 | | 8/25/03-08/30/903 A | GL 1- 9 | 4119 | 8152 | 6.6 | | | | | |
| 10.6(| 100- 12) | 7/08/51-07/09/951 H | - | 4045 | 8849 | | | | | | | | | | | | |
| 10.5(| 100- 42) | 6/29/38-07/01/938 A | GL 3-11 | 4235 | 8802 | | | | | | | | | | | | |
| 19(27) | | | | | | 20(18) | | | | | | | | | | | |
| 22.4(| 100- 24) | 7/17/42-07/18/942 A | DR 9-23 | 4150 | 7825 | 18.8 | | 8/17/55-08/20/955 A | NA 2-22A | 4207 | 7245 | 18.5(| 100- 18) | 8/19/39-08/19/939 A | NA 2- 3 | 3942 | 7416 |
| 16.7 | | 6/19/72-06/23/972 H | - | 4209 | 7810 | 16.5(| | 8/11/55-08/15/955 A | NA 2-21A | 4201 | 7425 | 12.0(| 100- 30) | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| 13.0 | | 6/19/72-06/23/972 H | NA 1-27 | 4230 | 7833 | 12.0(| | 8/26/71-08/28/971 H | - | 4004 | 7440 | 11.3 | | | | | |
| 10.9(| 100- 3) | 8/05/43-08/05/843 H | NA 1-24B | 3953 | 7532 | 11.3 | | | | | | 10.8(| 100- 30) | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| 9.9 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 | 7645 | 10.8(| | | | | | | | | | | |
| 21(0) | | | | | | 22(0) | | | | | | | | | | | |
| 23(2) | | | | | | 24(14) | | | | | | | | | | | |
| B 1.8(| 1108- 42) | 8/26/51-08/30/951 H | - | 3407 | 11221 | 11.2 | | 6/02/21-06/06/921 A | SW 1-23 | 3827 | 10504 | 11.0 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 | 10620 |
| | | 8/17/45-08/19/945 R | - | 3737 | 11430 | 8.0 | | 6/06/13-06/12/913 A | SW 1-14 | 3556 | 10505 | 6.0 | | 8/01/68-08/01/968 H | - | 3749 | 10923 |
| | | | | | | 5.6(| 100- 24) | | | | | | | | | | |
| 25(3) | | | | | | 26(13) | | | | | | | | | | | |
| 16.4 | | 6/13/65-06/20/965 H | - | 3743 | 10223 | 13.8 | | 7/09/51-07/13/951 A | MR 10- 2 | 3840 | 9630 | 11.8 | | 6/01/04-06/05/904 A | MR 1- 5 | 3451 | 9533 |
| 15.4 | | 6/02/32-06/06/932 A | SW 2-7A | 3828 | 10146 | 11.8 | | 6/01/04-06/05/904 A | MR 1- 5 | 3451 | 9533 | 11.4 | | 6/02/32-06/06/932 A | SW 2- 7 | 3550 | 9654 |
| 5.6 | | 8/06/26-08/11/929 A | SW 2-27 | 3549 | 10456 | 11.3 | | 7/12/27-07/15/927 A | SW 2- 5 | 3412 | 9708 | 9.9 | | | | | |
| 27(22) | | | | | | 28(11) | | | | | | | | | | | |
| 18.3 | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 | 9313 | 16.7 | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 | 8959 | 16.7(| 100- 6) | 8/11/52-08/12/952 A | UMV 3-30 | 3712 | 8933 |
| 15.1(| 100- 24) | 6/14/57-06/15/957 H | - | 3837 | 9024 | 10.0(| | 6/20/35-06/21/935 A | DR 5- 5 | 3712 | 8933 | 10.0(| 100- 42) | 6/20/35-06/21/935 A | DR 5- 5 | 3712 | 8933 |
| 14.1(| 100- 24) | 8/27/47-08/28/947 A | SW 3- 7A | 3414 | 9420 | 9.7(| 1000- 30) | 6/22/69-06/23/969 H | - | 3644 | 8613 | 9.7(| 1000- 30) | 6/22/69-06/23/969 H | - | 3644 | 8613 |
| 11.8 | | 8/25/19-08/29/919 A | MR 2-22 | 3846 | 9344 | 9.7(| | 8/02/39-08/03/939 H | - | 3613 | 8616 | 9.3(| 100- 16) | 8/02/39-08/03/939 H | - | 3613 | 8616 |
| 11.2 | | 6/28/05-07/02/905 A | MR 1-16B | 3407 | 9303 | | | | | | | | | | | | |
| 29(14) | | | | | | 30(13) | | | | | | | | | | | |
| 21.7 | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 | 8201 | 21.7 | | 8/19/69-08/20/969 A | NA 2-23 | 3749 | 7900 | 21.7(| 100- 12) | 7/04/39-07/05/939 H | SA 5-19A | 3703 | 7830 |
| 15.8(| 100- 12) | 7/04/39-07/05/939 H | - | 3813 | 8322 | 15.7 | | 8/10/40-08/17/940 A | SA 1- 7 | 3846 | 7634 | 15.7(| 100- 12) | 8/23/08-08/28/908 A | SA 2- 6 | 3626 | 8028 |
| 13.8 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 | 8028 | 12.8 | | 7/26/97-07/29/997 A | NA 1- 7 | 3846 | 7634 | 12.6 | | 8/10/40-08/17/940 A | SA 5-19B | 3545 | 8205 |
| 13.1 | | 8/10/40-08/17/940 A | SA 5-19B | 3545 | 8205 | 12.6 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 | 7651 | 11.9 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 | 8238 |
| 12.3 | | 8/13/28-0 | | | | | | | | | | | | | | | |

FIVE GREATEST OBSERVED 200 SQUARE MILE- 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

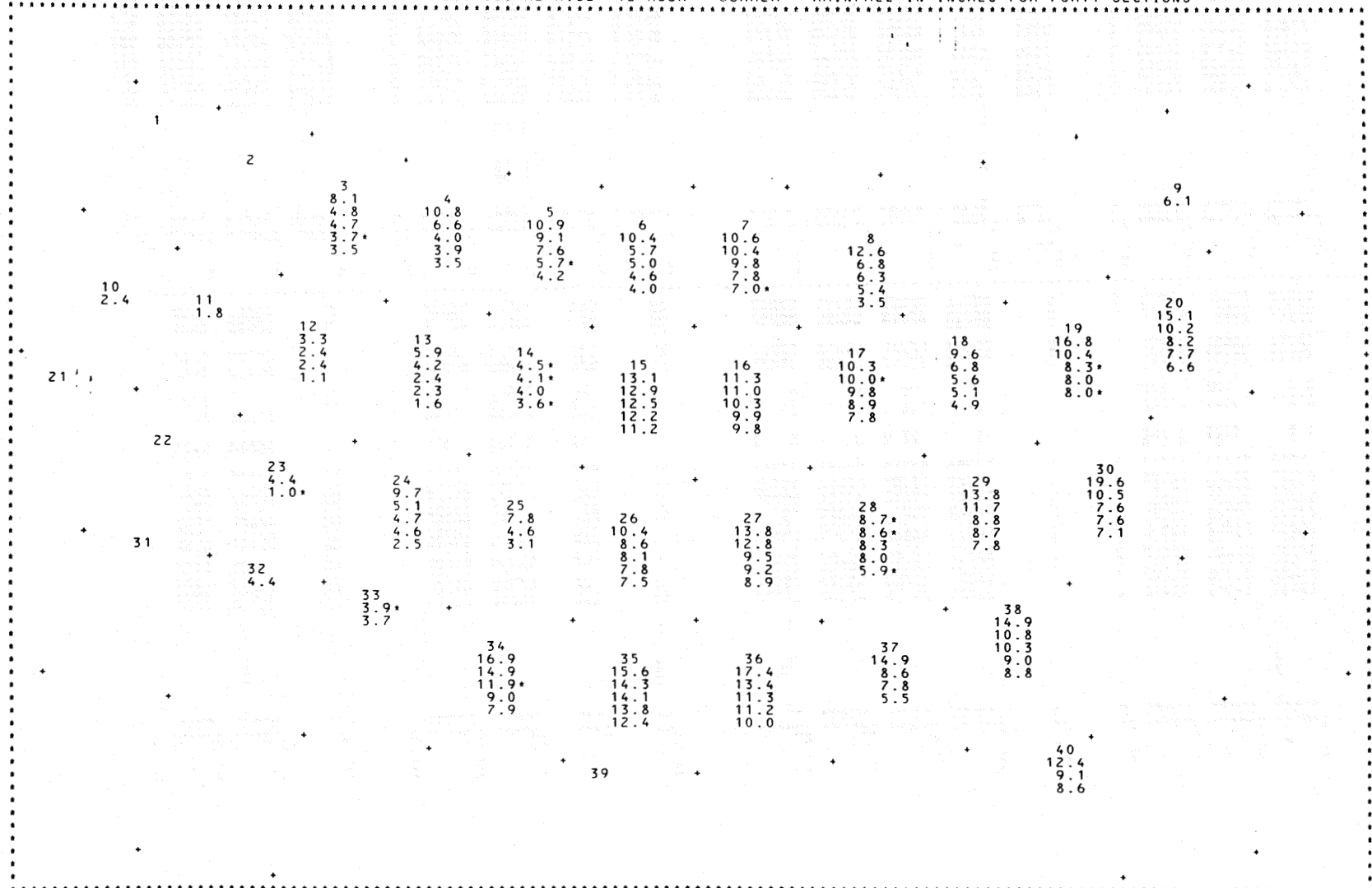


* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|-------------------|---------------------|-------------------------|-------------------|---------|-------------------|---------------------|-------------------------|-------------------|
| 1(0) | | | | | 2(0) | | | | |
| 3(8) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 10335 |
| 4.6 | | 6/19/16-06/22/916 R | - | 4728 11146 | 8.3 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 2.4 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 4.6 | | 6/14/44-06/18/944 R | - | 4722 10814 |
| 1.9 | | 6/26/44-06/27/944 R | - | 4415 11215 | 3.9 | | 7/22/23-07/26/923 A | MR 4-22 | 4446 10658 |
| B 1.9 | 1000- 6) | 6/16/48-06/17/948 H | - | 4812 11230 | 3.4 | | 6/12/14-06/14/914 A | MR 5-20 | 4821 10753 |
| 1.8 | | | | | 2.7 | | | | |
| 5(9) | | 6/24/66-06/24/966 R | - | 4721 10119 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 8.7 | | 6/25/14-06/28/914 A | MR 4-16A | 4629 10017 | 10.1 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 6.2 | | 6/12/07-06/13/907 A | MR 4-10 | 4435 10320 | 5.3 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 5.7 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 10140 | 3.7 | | 6/25/14-06/28/914 A | MR 4-18 | 4535 9555 |
| 3.9 | | 6/06/29-06/07/929 A | MR 4-28 | 4657 10400 | 3.0 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9555 |
| 2.8 | | | | | | | | | |
| 7(14) | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 8200 |
| 10.1 | | 7/21/72-07/23/923 H | - | 4610 9130 | 8.5 | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 8437 |
| 8.0 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 6.3 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 7.8 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 5.2 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 6.6 | | 7/13/16-07/17/916 A | UMV 1-16 | 4419 9428 | 2.5 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 6.6 | | | | | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(1) | | 6/04/47-06/05/947 R | - | 4030 12215 |
| 4.3 | | | | | 2.4 | | | | |
| 11(1) | | 6/10/43-06/13/943 R | - | 4140 11525 | 12(4) | | 7/23/13-07/26/913 R | - | 4235 11230 |
| B 1.6 | | | | | B 3.1 | | 6/07/44-06/12/944 R | - | 4345 11330 |
| | | | | | 1.3 | | 6/08/09-09/02/909 H | - | 3950 11050 |
| | | | | | 0.8 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(5) | | 8/31/38-09/04/938 R | - | 4025 10512 | 14(4) | | 6/17/47-06/18/947 A | MR 7-16 | 4149 10341 |
| 2.4 | | 8/30/38-09/04/938 A | MR 5- 8 | 4023 10504 | 4.4 | 200- 4) | 6/12/49-06/14/949 R | MR 10- 7 | 4236 10306 |
| 3.6 | | 7/27/22-08/03/922 R | - | 3945 10533 | 3.6 | | 6/12/49-06/14/949 R | - | 4004 10427 |
| 1.9 | | 7/19/29-07/24/929 R | - | 3913 10517 | B 3.6 | | | | |
| 1.1 | | 6/01/43-06/03/943 R | - | 3935 10720 | | | | | |
| 15(24) | | 7/22/11-07/23/911 R | - | 4022 9654 | 16(34) | | 7/09/22-07/12/922 A | MR 2-29 | 4029 9423 |
| 11.8 | | 6/04/96-06/07/896 A | MR 4- 3 | 4133 9832 | 9.6 | | 7/01/13-07/15/913 A | OR 3- 7 | 4003 8213 |
| 11.2 | | 6/10/44-06/13/944 A | MR 6-15 | 4152 9703 | 9.4 | | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 9148 |
| 11.1 | | 6/23/63-06/24/963 H | MR 4- 5 | 4114 9705 | 8.9 | | 7/16/68-07/17/968 H | - | 4230 9219 |
| 10.7 | | 6/03/40-06/04/940 A | MR 4- 5 | 4201 9653 | 8.0 | | 8/01/29-08/02/929 A | UMV 2-17 | 4200 9234 |
| 9.6 | | | | | 7.4 | | | | |
| 17(11) | | 8/31/14-09/01/914 A | GL 2-16 | 4225 8535 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 10.0 | | 7/08/51-07/09/951 H | - | 4045 8849 | 6.0 | | 7/12/13-07/15/913 A | OR 3- 7 | 4207 9245 |
| 9.5 | | 6/27/57-06/28/957 H | - | 3938 8742 | 6.4 | | 8/18/13-08/10/913 A | GL 3- 2 | 4336 8354 |
| 7.6 | | 6/19/72-06/23/972 H | - | 4211 8905 | 5.0 | | 7/03/31-07/03/931 A | OR 2- 6 | 3900 8420 |
| 6.8 | | 7/12/57-07/13/957 H | - | 4108 8753 | 4.0 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 8234 |
| 6.2 | | | | | 3.9 | | | | |
| 19(26) | | 7/17/42-07/18/942 A | OR 9-23 | 4150 7825 | 20(17) | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 13.1 | | 7/09/45-07/09/945 H | - | 4042 7512 | 8.6 | | 8/17/55-08/20/955 A | NA 2-2A | 4207 9245 |
| 8.3 | 200- 4) | 8/05/43-08/05/843 H | - | 3953 7532 | 7.4 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 8.0 | 200- 3) | 6/19/72-06/23/972 H | - | 4204 7810 | 5.8 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 6.6 | | 7/22/27-07/23/927 A | NA 1-16A | 4034 7643 | 5.1 | | 8/26/71-08/28/971 H | - | 4004 7440 |
| 4.8 | | | | | 4.4 | | | | |
| 21(0) | | | | | 22(0) | | | | |
| 23(2) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(13) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| B 2.7 | 1108- 6) | 8/17/45-08/19/945 R | - | 3737 11430 | 7.9 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| 0.9 | | | | | 4.4 | | 6/06/13-06/12/913 A | SW 1-14 | 3556 10505 |
| | | | | | 3.3 | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| | | | | | 2.6 | | | | |
| | | | | | 2.4 | | 8/17/21-08/25/921 R | - | 3728 10510 |
| 25(3) | | 6/13/65-06/20/965 H | - | 3743 10223 | 26(12) | | 6/02/32-06/06/932 A | SW 2- 7 | 3530 9654 |
| 6.9 | | 6/02/32-06/06/932 A | SW 2- 7A | 3828 10146 | 5.6 | | 8/11/27-08/16/932 A | MR 3-13 | 3831 9912 |
| 4.4 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10546 | 6.8 | | 8/15/32-08/17/932 A | MR 2- 8 | 3824 9748 |
| 2.7 | | | | | 6.6 | | 7/12/27-07/15/927 A | SW 2- 5 | 3412 9708 |
| | | | | | 6.0 | | 6/01/04-06/05/904 A | SW 1- 5 | 3451 9533 |
| 27(21) | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 9420 | 28(9) | | 8/11/52-08/12/952 A | UMV 3-30 | 3712 8933 |
| 11.2 | | 6/14/57-06/15/957 H | - | 3837 9024 | 8.7 | 500- 6) | 6/20/32-06/21/932 A | DR 5- 5 | 3712 8712 |
| 9.8 | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 9313 | 6.4 | | 6/18/39-06/18/939 H | - | 3527 8648 |
| 8.3 | | 6/03/43-06/04/943 A | MR 6- 3 | 3831 9409 | 5.9 | 200- 3) | 6/22/69-06/23/969 H | - | 3644 8613 |
| 8.0 | | 7/07/42-07/09/942 A | UMV 3-21 | 3845 9023 | 5.8 | 1000- 6) | 8/12/46-08/16/946 A | MR 7- 2B | 3840 8959 |
| 7.5 | | | | | 5.4 | | | | |
| 29(12) | | 7/04/39-07/05/939 H | - | 3813 8322 | 30(13) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 11.9 | | 8/30/40-08/31/940 H | - | 3500 8306 | 11.7 | | 7/26/97-07/29/897 A | NA 1- 7 | 3846 7634 |
| 7.1 | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 9.4 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 6.9 | | 8/04/43-08/05/943 A | OR 3-30 | 3856 8050 | 4.9 | | 7/10/40-08/17/940 A | SA 5-19C | 3442 7718 |
| 6.8 | | 7/31/32-08/03/932 A | OR 2- 8 | 3802 8436 | 4.7 | | 7/27/23-08/01/923 A | SA 1-15 | 3815 7806 |
| 6.6 | | | | | 4.6 | | | | |
| 31(0) | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 11124 |
| | | | | | 4.3 | | | | |
| 33(2) | | 8/29/35-08/30/935 H | - | 3217 10646 | 34(6) | | 6/19/39-06/20/939 H | - | 3244 10055 |
| 3.9 | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 11.9 | | 6/23/48-06/28/954 A | SW 3-22 | 3622 10037 |
| 3.3 | | | | | 10.9 | | 6/23/48-06/24/948 H | - | 2922 10037 |
| | | | | | 10.3 | | 7/19/33-07/23/938 A | GM 3-10 | 3046 10044 |
| | | | | | 8.1 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| | | | | | 7.5 | | | | |
| 35(11) | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 9739 | 36(11) | | 6/13/86-06/17/886 A | LHV 4-27 | 3119 9233 |
| 12.2 | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 9907 | 11.4 | | 8/12/38-08/15/938 A | LHV 4-23 | 3020 9233 |
| 10.3 | | 6/05/43-06/07/943 A | SM 3- 3 | 3241 9536 | 9.4 | | 6/30/40-07/02/940 A | LHV 4-25 | 3335 9403 |
| 9.7 | | 6/28/40-06/30/940 A | GM 5-11 | 3241 9536 | 8.3 | | 8/06/45-08/09/940 A | LHV 4-24 | 2943 9210 |
| 9.1 | 200- 3) | 8/24/47-08/27/947 A | SM 3- 7B | 3251 9651 | 7.8 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| | | | | | 7.6 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(6) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 11.8 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 12.7 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8020 |
| 6.2 | | 6/01/28-06/05/928 A | LHV 2-18 | 3155 8740 | 6.4 | | 7/27/87-07/31/887 A | SA 3- 1 | 3337 8304 |
| 5.7 | | 7/29/56-08/02/956 A | SA 5-22 | 3026 8502 | 5.8 | | 8/10/40-08/17/940 A | SA 3-19D | 3223 8043 |
| 3.5 | | | | | 5.6 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 8042 |
| 39(0) | | | | | 10.8 | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 5.7 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 4.6 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |

FIVE GREATEST OBSERVED 200 SQUARE MILE- 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

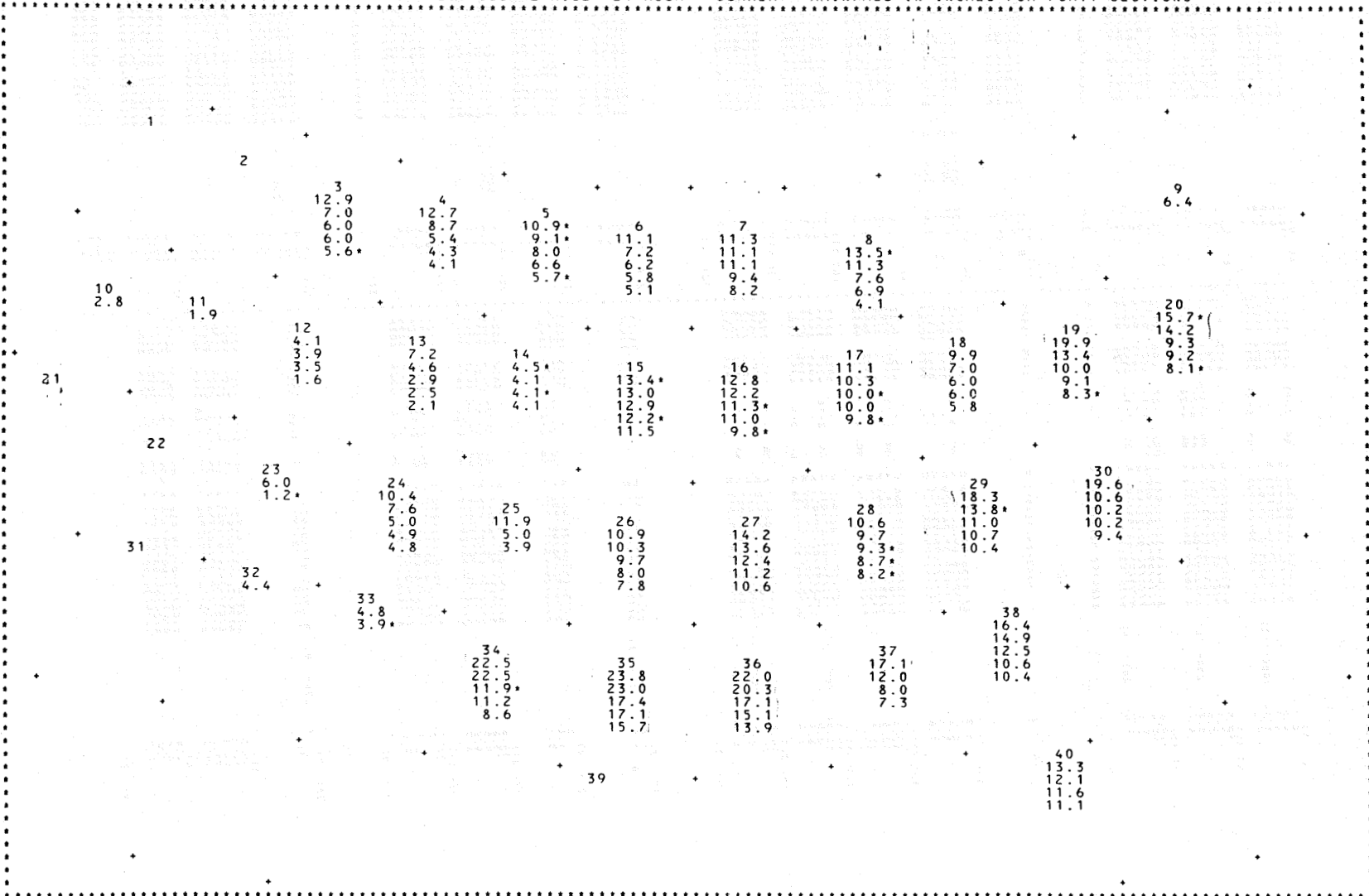


* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | CORPS LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | CORPS LOCATION LAT LONG | | | |
|-------|------------------|--------------------------------------|-------------------------|---|--|--|---------------------|-------------------------|--------------------------------------|---|--|--|
| 10 | (0) | | | | 20 | (0) | | | | | | |
| 30 | 9) | 8.1 4.8 4.7 3.7 3.5 | 1000- 12) | 6/06/64-06/08/964 A 6/19/16-06/22/916 R 6/01/53-06/04/953 H 6/16/48-06/17/948 H 6/03/08-06/06/908 A | NP 2-23 - - - MR 5-15 | 4726 11241 4728 11146 4725 11050 4812 11250 4711 11108 | 40 | 9) | 10.8 6.6 4.0 3.9 3.5 | 6/17/21-06/21/921 A 6/06/06-06/08/906 A 6/14/44-06/18/944 R 6/11/37-06/13/937 A 6/12/14-06/14/914 A | MR 4-21 MR 5-13 MR 1- MR 5-29 MR 4-14B | 4718 10535 4804 10939 4722 10814 4730 10534 4821 10753 |
| 50 | 10) | 10.9 9.1 7.9 5.7 4.2 | 200- 6) | 6/09/72-06/09/972 H 6/24/66-06/24/966 R 6/25/14-06/28/914 A 6/12/07-06/13/907 A 6/06/29-06/07/929 A | - - MR 4-14A MR 4-10 MR 4-28 | 4412 10331 4721 10119 4629 10017 4435 10320 4657 10400 | 60 | 5) | 10.4 5.7 5.0 4.6 4.0 | 7/18/09-07/23/909 A 7/01/01-07/06/901 A 8/19/18-08/22/918 A 7/18/97-07/22/897 A 6/25/14-06/28/914 A | UMV 1-11A UMV 1- 8 MR 4-16 UMV 1- 2 MR 4-14B | 4721 9548 4822 9620 4730 9719 4747 9535 4535 9535 |
| 70 | 15) | 10.6 10.4 9.8 8.8 7.0 | 200- 9) | 8/28/41-08/31/941 A 7/18/09-07/23/909 A 7/21/72-07/22/972 H 6/03/05-06/08/905 A 6/19/43-06/20/943 H | UMV 1-22 UMV 1-11 UMV 1-11 GL 2-12 GL 2-12 | 4600 9128 4627 9011 4610 9630 4508 9020 4528 9115 | 80 | 5) | 12.6 10.4 6.8 6.3 3.5 | 7/04/69-07/05/969 H 8/31/37-09/03/937 A 7/19/12-07/24/912 A 6/08/22-06/11/922 A 7/01/00-07/06/900 A | - GL 3- 5 GL 2-29 GL 2-21 UMV 1- 5 | 4400 8200 4517 8437 4511 8941 4420 8812 4457 8932 |
| 90 | 1) | 6.1 | | 8/24/92-08/27/892 H | - | 4427 7546 | 100 | 1) | 2.4 | 6/04/47-06/05/947 R | - | 4030 12215 |
| 110 | 1) | 1.8 | B | 6/10/43-06/13/943 R | - | 4140 11525 | 120 | 4) | 3.3 | 7/23/13-07/26/913 R | - | 4235 11230 |
| 130 | 5) | 5.9 4.2 4.2 2.3 1.6 | | 8/31/38-09/04/938 R 8/30/38-09/04/938 A 7/19/29-07/24/929 R 7/27/22-08/03/922 R 6/01/43-06/03/943 R | MR 5- 8 - - - - | 4025 10512 4023 10504 3913 10517 3945 10533 3933 10720 | 140 | 4) | 4.5 4.1 3.6 | 6/17/47-06/18/947 A 7/27/51-07/28/951 A 6/12/49-06/14/949 R | MR 7-16 MR 10- 7 - | 4149 10341 4236 10306 4004 10427 4000 10438 |
| 150 | 24) | 13.1 12.9 12.5 12.2 11.2 | | 8/12/66-08/13/966 R 6/10/44-06/13/944 A 6/23/63-06/24/963 H 7/22/11-07/23/911 R 6/04/96-06/07/896 A | MR 6-15 - - - MR 4- 3 | 4133 9832 4152 9703 4045 8849 4022 9654 4133 9832 | 160 | 34) | 11.3 11.0 10.3 9.9 9.8 | 6/09/05-06/10/905 A 7/16/68-07/17/968 H 7/07/07-07/11/907 H 8/24/03-08/28/905 A 7/01/58-07/02/958 H | UMV 2- 5 MR 2-29 MR 1-10 MR 1-10 MR 1-10 | 4042 9148 4230 9219 4029 9425 4027 9425 4143 9456 |
| 170 | 11) | 10.3 10.0 9.8 8.9 7.8 | 200- 6) | 6/27/57-06/28/957 H 7/08/51-07/09/951 H 7/12/57-07/13/957 H 6/29/58-07/01/958 A | GL 2-16 - GL 3-11 - | 3938 8742 4225 8535 4108 8753 4235 8802 | 180 | 11) | 9.6 6.8 5.6 5.1 4.9 | 8/06/35-08/07/935 A 7/12/13-07/15/913 A 8/08/13-08/10/913 A 8/25/03-08/30/903 A 7/18/19-07/21/919 A | DR 9-11 OR 3- 7 GL 3- 2 GL 1- 9 GL 4-15 | 4016 8152 4003 8213 4336 8354 4119 8152 4034 8234 |
| 190 | 26) | 16.8 10.4 8.3 8.0 8.0 | 200- 4) | 7/17/42-07/18/942 A 6/19/72-06/23/972 H 7/09/45-07/09/945 H 7/06/35-07/10/935 A 8/05/43-08/05/845 H | OR 9-23 - - NA 1-27 - | 4150 7825 4204 7810 4042 7512 4230 7653 3953 7552 | 200 | 17) | 15.1 10.2 8.6 7.7 6.6 | 8/19/39-08/19/939 A 8/17/55-08/20/955 A 8/13/19-08/14/919 A 8/20/33-08/24/935 A 7/26/97-07/29/897 A | NA 2- 3 NA 2-22A NA 1-12 NA 1-24 NA 1-7A | 3942 7416 4207 7245 3936 7421 4154 7423 4040 7414 |
| 210 | 0) | | | | | | 220 | 0) | | | | |
| 230 | 2) | 4.4 1.0 | B 1108- 12) | 8/26/51-08/30/951 H 8/17/45-08/19/945 R | - | 3407 11221 3737 11430 | 240 | 13) | 9.7 5.3 4.7 4.6 2.5 | 6/02/21-06/06/921 A 8/29/42-09/01/942 A 7/19/15-07/28/913 A 6/06/13-06/12/913 A 8/17/21-08/25/921 R | SW 1-23 SW 2-29 SW 1-18 SW 1-14 - | 3827 10504 3456 10506 3444 10620 3556 10505 3728 10510 |
| 250 | 3) | 7.8 4.6 3.1 | | 6/13/65-06/20/965 H 6/02/32-06/06/932 A 8/06/29-08/11/929 A | - SW 2-7A SW 2-27 | 3743 10223 3828 10146 3549 10456 | 260 | 12) | 10.4 8.6 8.8 7.5 | 6/02/32-06/06/932 A 8/15/32-08/17/932 A 7/12/27-07/15/927 A 8/11/27-08/14/927 A 6/28/05-07/02/905 A | SW 2- 7 SW 2- 8 SW 2- 5 SW 1-18 MR 1-16A | 3530 9654 3624 9754 3412 9708 3831 9912 3749 9651 |
| 270 | 21) | 13.8 12.8 12.0 9.2 8.9 | | 6/14/57-06/15/957 H 8/27/47-08/28/967 A 6/28/05-07/02/905 A 8/12/46-08/15/946 A 8/25/19-08/29/919 A | SW 3- 7A MR 1-18B MR 7- 2A MR 2-22 | 3837 9024 3414 9420 3407 9503 3840 9313 3846 9344 | 280 | 9) | 8.7 8.6 8.0 5.9 | 8/11/52-08/12/952 A 6/22/69-06/23/969 H 8/12/46-08/16/946 A 6/20/35-06/21/935 A 6/18/39-06/18/939 H | UMV 3-30 MR 7- 2B MR 5- 5 - | 3712 8933 3644 8613 3840 8959 3712 8712 3527 8648 |
| 290 | 12) | 13.8 11.7 8.8 8.7 7.8 | | 7/04/39-07/05/939 H 7/13/16-07/17/916 A 8/13/28-08/17/928 A 8/30/40-08/31/940 H 8/23/08-08/28/908 A | SA 2- 9 SA 2-13 SA 2- 6 SA 2- 6 | 3813 8322 3553 8201 3507 8238 3500 8306 3626 8028 | 300 | 13) | 19.6 10.5 7.6 7.6 7.1 | 8/19/69-08/20/969 A 7/26/97-07/29/897 A 8/10/40-08/17/940 A 8/10/28-08/13/928 A 8/10/40-08/17/940 A | NA 2-23 NA 1- 7 SA 5-19A NA 1-18 SA 5-19C | 3749 7900 3846 7634 3703 7830 3844 7651 3442 7718 |
| 310 | 0) | | | | | | 320 | 1) | 4.4 | 8/19/54-08/20/954 H | - | 3323 11124 |
| 330 | 2) | 3.9 3.7 | 200- 9) | 8/29/35-08/30/935 H 7/21/05-07/25/905 A | GH 3-13 | 3217 10646 3256 10517 | 340 | 6) | 16.9 14.9 11.9 9.0 7.9 | 6/23/48-06/24/948 H 6/23/56-06/28/954 A 6/19/39-06/20/959 H 7/19/38-07/25/938 A 8/04/06-08/06/906 A | SW 3-22 SW 3-13 GM 5-10 GM 3-14 | 2922 10037 3022 10123 3244 10035 3046 10044 3117 10048 |
| 350 | 11) | 15.6 14.3 14.1 13.8 12.4 | | 6/28/40-06/30/940 A 6/30/32-07/02/932 A 6/05/43-06/07/943 A 6/27/36-07/04/936 A 8/30/32-09/05/932 A | GM 5-11 GM 5- 1 SW 3- 3 GM 5- 6 GM 5-16A | 2961 9701 3001 9907 3240 9536 2924 9739 3144 9610 | 360 | 11) | 17.4 13.4 11.3 11.2 10.0 | 6/13/86-06/17/886 A 8/06/40-08/09/940 A 8/13/38-08/15/938 A 7/22/35-07/27/933 A 7/27/43-07/29/943 A | LMV 4-27 LMV 4-24 LMV 4-23 LMV 2-26 GM 5-21 | 3119 9233 2945 9210 3020 9245 3158 9400 3002 9435 |
| 370 | 4) | 14.9 8.6 7.8 5.5 | | 7/05/16-07/10/916 A 6/01/28-06/05/928 A 8/26/98-08/29/898 A 7/29/36-08/02/936 A | GM 1-19 LMV 2-18 SA 3- 5 SA 3-22 | 3049 8619 3155 8745 3012 8543 3026 8502 | 380 | 6) | 14.9 10.8 10.3 9.0 8.8 | 8/28/11-08/31/911 A 8/26/93-08/28/893 A 7/13/16-07/17/916 A 8/30/98-09/03/898 A 7/27/87-07/31/887 A | SA 3-11 SA 2- 1 SA 2- 9A SA 3- 6 SA 3- 1 | 3030 8202 3341 8012 3340 7949 3223 8042 3337 8304 |
| 390 | 0) | | | | | | 400 | 3) | 12.4 9.1 8.6 | 8/01/15-08/03/915 A 8/07/28-08/12/928 A 6/12/36-06/16/934 A | SA 4-15 SA 4-24 SA 5- 1 | 2747 8238 2814 8117 2821 8217 |

FIVE GREATEST OBSERVED 200 SQUARE MILE- 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

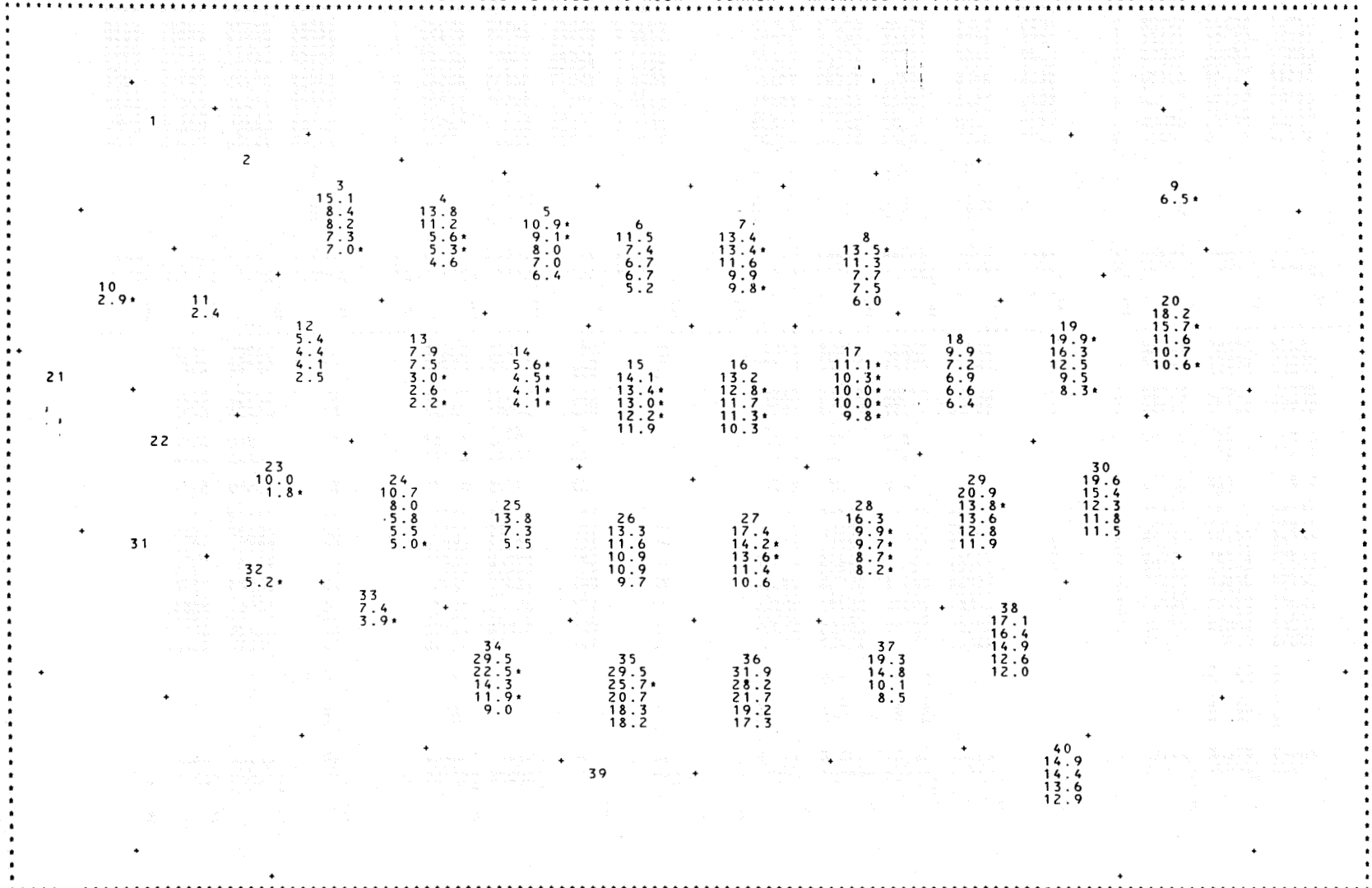


* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| 1(0) | | | | | 2(0) | | | | |
| 3(9) | | 6/06/64-06/08/964 A | MP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | HR 4-21 | 4718 10535 |
| 12.9 | | 6/01/53-06/04/953 H | | 4725 11050 | 12.7 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 7.0 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 8.7 | | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 6.0 | | 6/19/16-06/22/916 R | | 4728 11146 | 5.4 | | 6/11/37-06/13/937 A | MR 5-29 | 4730 10334 |
| 6.0 | 1000- 24) | 6/16/48-06/17/948 H | | 4812 11230 | 4.3 | | 6/16/44-06/18/944 R | | 4722 10814 |
| 5.6 | | | | | 4.1 | | | | |
| 5(10) | | 6/09/72-06/09/972 H | | 4412 10331 | 6(5) | | 7/18/09-07/23/909 A | URV 1-11A | 4721 9548 |
| 10.9 | 200- 12) | 6/24/66-06/24/966 R | | 4721 10119 | 7.2 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 9.1 | 200- 12) | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 11.3 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9555 |
| 8.0 | | 7/05/28-07/08/928 A | URV 1-18 | 4820 10140 | 6.2 | | 8/19/18-08/22/918 A | HR 4-16 | 4230 9719 |
| 6.6 | | 6/12/07-06/13/907 A | HR 4-10 | 4435 10320 | 5.8 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 5.7 | 200- 6) | | | | 5.1 | | | | |
| 7(15) | | 8/28/41-08/31/941 A | URV 1-22 | 4600 9128 | 8(5) | | 7/04/69-07/05/949 H | | 4400 8200 |
| 11.3 | | 7/18/09-07/23/909 A | URV 1-11 | 4627 9030 | 13.5 | 200- 18) | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 11.1 | | 7/21/72-07/22/972 H | | 4610 9430 | 7.6 | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 8437 |
| 9.4 | | 7/25/97-07/27/897 A | GL 4- 5 | 4600 9030 | 6.9 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 8.2 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 4.1 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 9(1) | | 8/24/92-08/27/892 H | | 4427 7546 | 10(1) | | 6/04/47-06/05/947 R | | 4030 12215 |
| 6.4 | | | | | 12(4) | | | | |
| 11(1) | | 6/10/43-06/13/943 R | | 4140 11525 | B 4.1 | | 6/07/44-06/12/944 R | | 4345 11335 |
| B 1.9 | | | | | 3.9 | | 8/28/09-09/02/909 H | | 3930 11050 |
| | | | | | B 3.5 | | 7/23/13-07/26/913 R | | 4235 10340 |
| | | | | | 1.6 | | 6/08/47-06/12/947 H | | 4109 11155 |
| 13(5) | | 8/31/38-09/04/938 R | | 4025 10512 | 14(4) | | 6/17/47-06/18/947 A | MR 7-16 | 4149 10341 |
| 7.2 | | 8/30/38-09/04/938 A | MR 5- 8 | 4023 10504 | 4.5 | 200- 10) | 6/12/49-06/14/949 R | MR 10- 7 | 4000 10438 |
| 7.6 | | 7/27/22-08/03/922 R | | 3945 10533 | 4.1 | 200- 6) | 7/27/51-07/28/951 A | | 4004 10427 |
| 2.9 | | 7/19/29-07/24/929 R | | 3913 10517 | B 4.1 | | 6/12/49-06/14/949 R | | |
| 2.5 | | 7/01/43-06/03/943 R | | 3933 10720 | | | | | |
| 15(24) | | 8/12/66-08/13/966 R | | 4133 9832 | 16(34) | | 7/16/68-07/17/968 H | | 4230 9219 |
| 13.4 | 200- 17) | 6/23/63-06/24/963 H | | 4114 9705 | 12.8 | | 8/24/03-08/28/903 A | MR 1-10 | 4057 9335 |
| 13.0 | | 6/10/44-06/13/944 A | MR 6-15 | 4152 9603 | 12.2 | 200- 12) | 7/09/22-07/12/922 A | MR 2-29 | 4029 9425 |
| 12.9 | 200- 18) | 6/23/91-06/27/891 A | MR 4- 2 | 4252 9530 | 11.3 | | 7/01/58-07/02/958 H | | 4143 9456 |
| 12.2 | | | | | 9.8 | | | | |
| 11.5 | | | | | | | | | |
| 17(11) | | 6/27/57-06/28/957 H | | 3938 8742 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 11.1 | | 7/12/57-07/13/957 H | | 4108 8753 | 9.9 | | 7/12/13-07/15/913 A | OR 3- 7 | 4003 8218 |
| 10.3 | 200- 6) | 8/31/14-09/01/914 A | GL 2-16 | 4225 8535 | 7.0 | | 7/25/75-08/03/875 A | OR 4- 1 | 4039 8339 |
| 10.0 | | 7/22/11-07/23/911 R | GL 5-11 | 4255 8502 | 6.0 | | 8/25/03-08/30/903 A | GL 1- 9 | 4119 8152 |
| 9.8 | 200- 12) | 7/08/51-07/09/951 H | | 4045 8849 | 5.8 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 8234 |
| 19(26) | | 7/17/42-07/18/942 A | OR 9-23 | 4150 7825 | 20(17) | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 19.9 | | 6/19/72-06/23/972 H | | 4204 7810 | 15.7 | 200- 18) | 8/17/55-08/20/955 A | NA 2-22A | 4207 7825 |
| 13.4 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 7653 | 14.2 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 10.0 | | 8/20/53-08/26/933 A | NA 1-24B | 3955 7645 | 9.3 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 8.3 | 200- 4) | 7/09/45-07/09/945 H | | 4042 7512 | 8.1 | 200- 18) | 8/26/71-08/28/971 H | | 4004 7440 |
| 21(0) | | | | | 22(0) | | | | |
| 23(2) | | 8/26/51-08/30/951 H | | 3407 11221 | 24(14) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| B 6.0 | 1108- 24) | 8/17/45-08/19/945 R | | 3737 11430 | 10.4 | | 8/29/42-09/01/942 A | SW 2-29 | 3749 10923 |
| 1.2 | | | | | 7.6 | | 8/01/68-08/01/968 H | SW 1-18 | 3446 10620 |
| | | | | | 4.9 | | 6/06/13-06/12/913 A | SW 1-14 | 3556 10505 |
| | | | | | 4.8 | | | | |
| 25(3) | | 6/13/65-06/20/965 H | | 3743 10223 | 26(12) | | 6/02/32-06/06/932 A | SW 2- 7 | 3530 9654 |
| 11.9 | | 6/02/32-06/06/932 A | SM 2- 7A | 3828 10146 | 10.9 | | 8/15/32-08/17/932 A | SM 2- 8 | 3624 9754 |
| 5.0 | | 8/06/29-08/11/929 A | SM 2-27 | 3549 10456 | 10.3 | | 7/12/27-07/15/927 A | SM 2- 5 | 3412 9288 |
| 3.9 | | | | | 9.7 | | 6/00/47-06/06/916 A | MR 3-13 | 3831 9912 |
| | | | | | 8.0 | | | | |
| | | | | | 7.8 | | | | |
| 27(21) | | 6/14/57-06/15/957 H | | 3837 9024 | 28(10) | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 8959 |
| 14.2 | | 8/27/47-08/28/947 A | SM 3- 7A | 3414 9420 | 10.6 | | 6/20/35-06/21/935 A | OR 5- 5 | 3712 8712 |
| 13.6 | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 9313 | 9.3 | 1000- 24) | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 12.4 | | 8/28/05-07/02/905 A | HR 1-16B | 3407 9303 | 8.7 | 500- 6) | 8/11/52-08/12/952 A | UMV 3-30 | 3712 8933 |
| 11.2 | | | | | 8.2 | 200- 16) | 8/02/39-08/03/939 H | | 3613 8616 |
| 10.6 | | | | | | | | | |
| 29(14) | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 30(13) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 18.3 | 200- 12) | 7/04/39-07/05/939 H | | 3813 8322 | 19.6 | | 7/26/97-07/29/897 A | NA 1- 7 | 3846 7634 |
| 13.8 | | 8/30/40-08/31/940 H | | 3500 8306 | 10.6 | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 11.0 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 10.2 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 10.7 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 8028 | 9.4 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 10.4 | | | | | | | | | |
| 31(0) | | | | | 32(1) | | 8/19/54-08/20/954 H | | 5323 11124 |
| | | | | | 4.4 | | | | |
| 33(2) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 34(6) | | 6/23/48-06/24/948 H | | 2922 10037 |
| 4.8 | 200- 9) | 8/29/35-08/30/935 H | | 3217 10646 | 22.5 | | 6/23/56-06/28/936 A | SM 3-22 | 3022 10123 |
| 3.9 | | | | | 22.5 | 200- 6) | 6/19/39-06/20/939 H | GM 5-10 | 3046 10044 |
| | | | | | 11.9 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| | | | | | 8.6 | | | | |
| 35(11) | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 9907 | 36(11) | | 6/13/86-06/17/886 A | LVM 4-27 | 3119 9233 |
| 23.8 | | 6/27/99-07/01/899 A | GM 3- 4 | 3052 9632 | 22.0 | | 8/06/40-08/09/940 A | LVM 4-24 | 2945 9210 |
| 23.0 | | 8/30/32-09/05/932 A | GM -16A | 3144 9610 | 20.3 | | 7/22/33-07/27/933 A | LVM 2-26 | 3158 9400 |
| 17.4 | | 8/28/40-06/30/940 A | GM 5-11 | 2941 9701 | 17.1 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| 17.0 | | 8/26/45-08/29/945 A | GM 5-23 | 3002 9551 | 15.1 | | 8/12/33-08/15/938 A | LVM 4-23 | 3020 9245 |
| 15.7 | | | | | 13.9 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(6) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 17.1 | | 6/01/28-06/05/928 A | LHV 2-18 | 3155 8745 | 16.4 | | 7/13/16-07/17/916 A | SA 2- 9A | 3340 7949 |
| 12.0 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 15.9 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8012 |
| 8.0 | | | | | 12.5 | | 7/10/40-08/17/940 A | SA 5-19D | 3223 8043 |
| 7.3 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 10.6 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 8042 |
| | | | | | 10.4 | | | | |
| 39(0) | | | | | 40(4) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 13.3 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 12.1 | | 6/29/09-07/03/909 H | | 2808 8247 |
| | | | | | 11.6 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 11.1 | | | | |

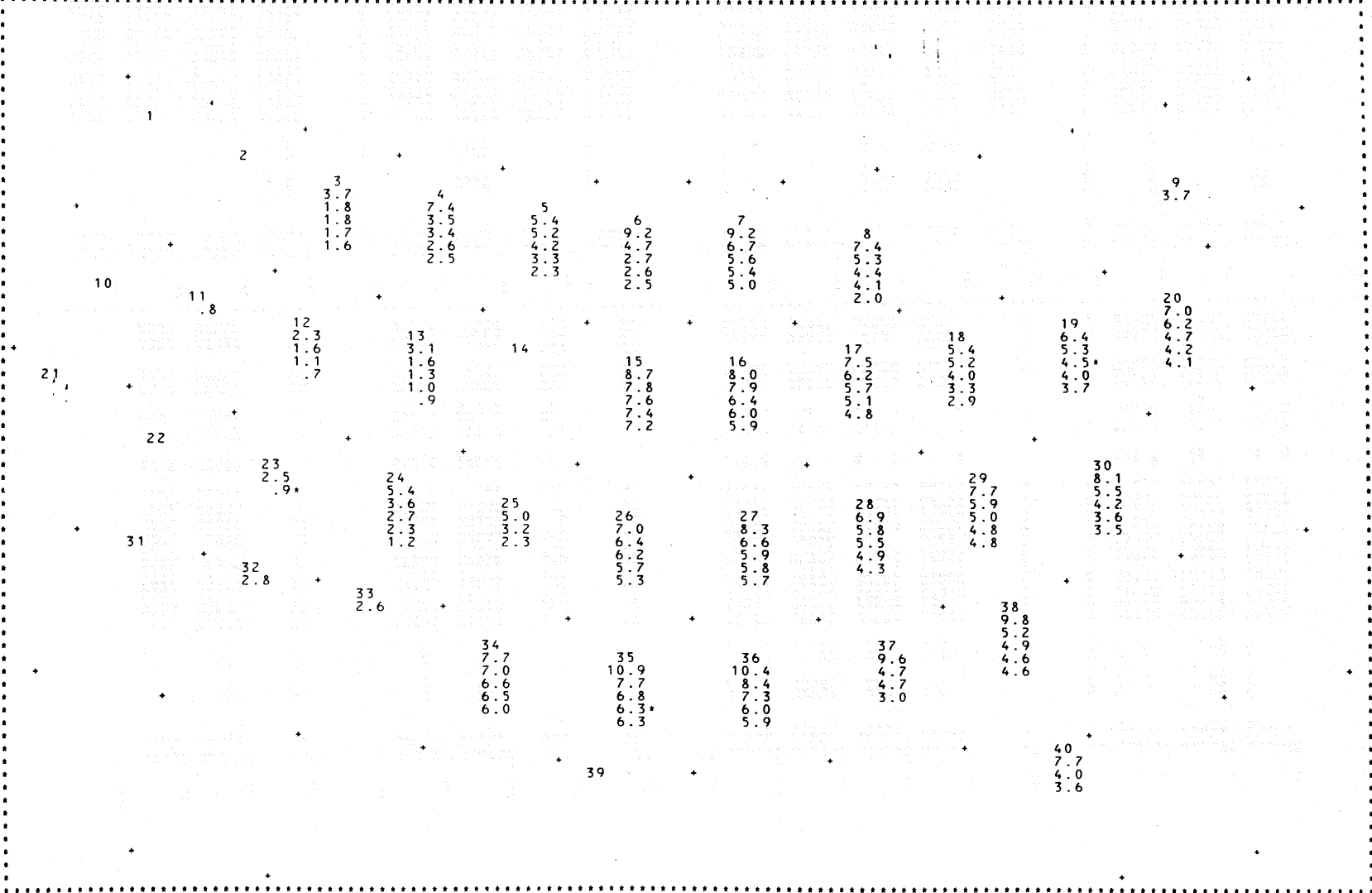
FIVE GREATEST OBSERVED 200 SQUARE MILE- 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|------------------|---|-----------------------------|------------------------------------|--------------------------------------|---|------------------|---------------------|-------------------------|--------------|------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(0) | | | | | | 2(0) | | | | | |
| 3(9) | | 6/06/64-06/08/964 A 6/01/53-06/04/953 H 6/19/16-06/22/916 R 6/03/08-06/06/908 A 6/16/48-06/17/948 H | NP - - MR - | 2-23 - - 5-15 - | 4726 4725 4728 4812 4812 | 11241 11050 11146 11108 11230 | 4(9) | | | | |
| 5(10) | | 6/09/72-06/09/972 H 6/24/66-06/24/966 R 6/25/14-06/28/914 A 7/05/28-07/08/928 A 6/26/44-06/27/944 R | - - MR UMV - | - - 4-14A 1-18 - | 4412 4721 4629 4820 4900 | 10331 10119 10017 10140 10233 | 6(5) | | | | |
| 7(15) | | 8/28/41-08/31/941 A 7/21/72-07/22/972 H 7/18/09-07/23/909 A 6/03/05-06/08/905 A 7/25/97-07/27/897 R | UMV UMV - GL GL | 1-22 1-11 2-12 4-5 - | 4600 4610 4627 4508 4600 | 9128 9430 9011 9020 9030 | 8(5) | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | - | 4427 | 7546 | 10(1) | | | | |
| 11(1) | B 2.4 | 6/10/43-06/13/943 R | - | - | 4140 | 11525 | 12(4) | | | | |
| 13(5) | | 8/30/38-09/04/938 A 8/31/38-09/04/938 R 7/27/22-08/03/922 R 7/19/29-07/24/929 R 6/01/43-06/03/943 R | MR - - - - | 5-8 - - - - | 4023 4025 3945 3913 3933 | 10504 10512 10533 10514 10720 | 14(4) | | | | |
| 15(24) | | 6/10/44-06/13/944 A 8/12/66-08/13/966 R 6/23/63-06/24/963 H 7/22/11-07/23/911 R 7/14/00-07/17/900 A | MR - - - - | 6-15 - - - - | 4152 4133 4114 4029 4305 | 9703 9832 9652 9614 9538 | 16(34) | | | | |
| 17(11) | | 6/27/57-06/28/957 H 7/12/57-07/13/957 H 8/31/14-09/01/914 A 6/29/38-07/01/938 A 7/08/51-07/09/951 H | - - GL GL - | - - 2-16 3-11 - | 3938 4108 4225 4235 4045 | 8742 8753 8535 8802 8849 | 18(11) | | | | |
| 19(26) | | 7/17/42-07/18/942 A 6/19/72-06/23/972 H 7/06/35-07/10/935 A 8/20/33-08/12/933 A 7/09/45-07/09/945 H | OR - NA NA - | 9-23 - 1-27 1-24B - | 4150 4204 4230 3955 4042 | 7825 7810 7653 7645 7512 | 20(17) | | | | |
| 21(0) | | | | | | | 22(0) | | | | |
| 23(2) | B 1.8(| 8/26/51-08/30/951 H 8/17/45-08/19/945 R | - - | - - | 3407 3737 | 11221 11430 | 24(14) | | | | |
| 25(3) | | 6/13/65-06/20/965 H 6/02/32-06/06/932 A 8/06/29-08/11/929 A | - SW SW | - 2-7A 2-27 | 3743 3828 3549 | 10223 10146 10456 | 26(12) | | | | |
| 27(21) | | 8/12/46-08/15/946 A 6/14/57-06/15/957 H 8/27/47-08/28/947 A 8/25/19-08/29/919 A 6/28/05-07/02/905 A | MR - MR MR - | 7-2A - 3-7A 2-22 1-16B | 3840 3837 3614 3844 3407 | 9313 9024 9420 9344 9303 | 28(11) | | | | |
| 29(14) | | 7/13/16-07/17/916 A 7/04/39-07/05/939 H 8/23/08-08/28/908 A 8/10/40-08/17/940 A 8/13/28-08/17/928 A | SA SA SA SA SA | 2-9 - 2-6 5-19B 2-13 | 3553 3813 3626 3545 3507 | 8201 8322 8028 8205 8238 | 30(13) | | | | |
| 31(0) | | | | | | | 32(1) | | | | |
| 33(2) | | 7/21/05-07/25/905 A 8/29/35-08/30/935 H | GM | - | 3256 3217 | 10517 10646 | 34(6) | | | | |
| 35(11) | | 6/27/99-07/01/899 A 6/30/32-07/02/932 A 6/28/40-06/30/940 A 8/26/45-08/29/945 A 6/27/34-07/04/936 A | GM GM GM GM GM | 3-4 5-1 5-11 5-23 5-6 | 3052 3001 2941 3002 2924 | 9632 9907 9701 9551 9739 | 36(11) | | | | |
| 37(4) | | 7/05/16-07/10/916 A 8/01/28-08/05/928 A 8/26/98-08/29/898 A 7/29/36-08/02/936 A | SA LHV SA SA | 1-19 2-18 5-5 3-22 | 3049 3155 3012 3026 | 8619 8745 8543 8502 | 38(6) | | | | |
| 39(0) | | | | | | | 40(4) | | | | |

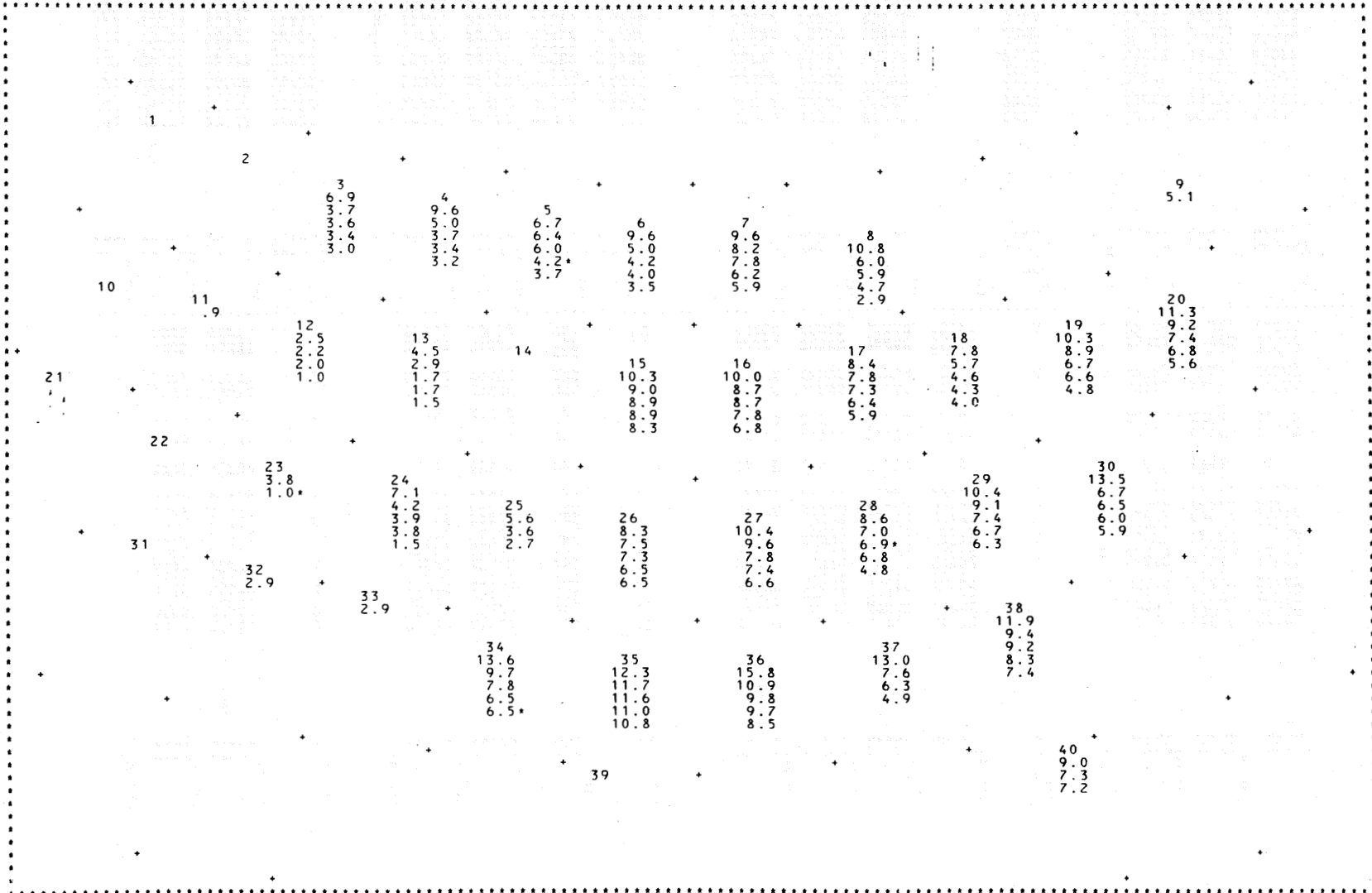
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(8) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 11241 | 4(9) | | 6/17/72-06/21/921 A | MR 4-21 | 4718 10535 |
| 3.7 | | 6/16/68-06/17/948 H | - | 4812 11230 | 7.4 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 1.8 | | 6/19/16-06/22/916 R | - | 4728 11146 | 3.5 | | 6/16/44-06/18/944 R | - | 4722 10814 |
| 1.8 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 3.4 | | 7/22/23-07/26/923 A | MR 4-22 | 4446 10658 |
| 1.7 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 2.6 | | 6/12/14-06/14/914 A | MR 5-20 | 4821 10658 |
| 1.6 | | | | | 2.5 | | | | |
| 5(9) | | 6/24/66-06/24/966 R | - | 4721 10119 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 3.4 | | 6/25/16-06/28/914 A | MR 4-14A | 4629 10017 | 9.2 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 3.2 | | 6/12/07-06/13/907 A | MR 4-10 | 4435 10320 | 4.7 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9555 |
| 4.2 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 10140 | 2.7 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 3.3 | | 6/06/29-06/07/929 A | MR 4-28 | 4657 10400 | 2.6 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9555 |
| 2.3 | | | | | 2.5 | | | | |
| 7(14) | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 8200 |
| 9.2 | | 7/21/72-07/22/972 H | - | 4610 9430 | 7.4 | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 8437 |
| 6.7 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 5.3 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 5.6 | | 6/03/05-06/08/905 A | GL 2-12 | 4598 9020 | 4.4 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 5.4 | | 7/13/16-07/17/916 A | UMV 1-16 | 4419 9428 | 2.0 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8957 |
| 5.0 | | | | | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 3.7 | | | | | | | | | |
| 11(1) | | 6/10/43-06/13/943 R | - | 4140 11525 | 12(4) | | 7/23/13-07/26/913 R | - | 4235 11230 |
| B 0.8 | | | | | B 2.3 | | 6/07/44-06/12/944 R | - | 4345 11335 |
| | | | | | 1.6 | | 8/28/09-09/02/909 H | - | 3930 11050 |
| | | | | | 1.1 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| | | | | | 0.7 | | | | |
| 13(5) | | 8/31/38-09/04/938 R | MR 5- 8 | 4025 10512 | 14(0) | | | | |
| 3.1 | | 8/30/38-09/04/938 A | - | 4023 10504 | | | | | |
| 1.6 | | 7/27/22-08/03/922 R | - | 3945 10533 | | | | | |
| 1.3 | | 6/01/43-06/03/943 R | - | 3933 10720 | | | | | |
| 1.0 | | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 0.9 | | | | | | | | | |
| 15(24) | | 6/04/96-06/07/896 A | MR 4- 3 | 4133 9832 | 16(34) | | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 9148 |
| 8.7 | | 6/10/44-06/13/944 A | MR 6-15 | 4152 9703 | 8.0 | | 7/09/22-07/12/922 A | MR 2-29 | 4029 9425 |
| 7.8 | | 6/12/66-08/13/966 R | - | 4135 9832 | 7.9 | | 7/01/11-07/02/911 H | - | 4143 9446 |
| 7.6 | | 7/22/11-07/23/911 R | - | 4022 9654 | 6.0 | | 8/01/29-08/02/929 A | UMV 2-17 | 4200 9234 |
| 7.4 | | 6/03/40-06/04/940 A | MR 4- 5 | 4201 9653 | 5.9 | | 6/25/44-06/26/944 A | UMV 2-30 | 4158 9058 |
| 7.2 | | | | | | | | | |
| 17(10) | | 7/08/51-07/09/951 H | - | 4045 8849 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 7.5 | | 6/27/57-06/28/957 H | - | 3938 8742 | 5.4 | | 7/12/13-07/15/913 A | OR 3- 7 | 4003 8213 |
| 6.2 | | 8/31/14-09/01/914 A | GL 2-16 | 4225 8535 | 4.0 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 8354 |
| 5.7 | | 7/12/57-07/13/957 H | - | 4108 8753 | 3.3 | | 7/03/31-07/03/931 A | OR 2- 6 | 3900 8420 |
| 5.1 | | 8/08/06-08/08/906 A | UMV 1-10 | 4237 8856 | 2.9 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 8234 |
| 4.8 | | | | | | | | | |
| 19(24) | | 7/17/42-07/18/942 A | OR 9-23 | 4150 7825 | 20(15) | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 6.4 | | 6/19/72-06/23/972 H | - | 4204 7810 | 7.0 | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 5.3 | | 7/09/45-07/09/945 H | - | 4042 7512 | 6.2 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 4.5 | 1000- 4) | 7/06/35-07/10/935 A | NA 1-27 | 4230 7653 | 4.2 | | 8/26/71-08/28/971 H | - | 4004 7440 |
| 4.0 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 7645 | 4.1 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 3.7 | | | | | | | | | |
| 21(0) | | | | | 22(0) | | | | |
| | | | | | | | | | |
| 23(2) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(12) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| B 0.9 | 1108- 6) | 8/17/45-08/19/945 R | - | 3737 11430 | 5.4 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| | | | | | 3.9 | | 6/06/13-06/12/913 A | SW 1- 1 | 3556 10505 |
| | | | | | 2.3 | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| | | | | | 1.2 | | 8/17/21-08/25/921 R | - | 3728 10510 |
| 25(3) | | 6/13/65-06/20/965 H | - | 3743 10223 | 26(12) | | 6/02/32-06/06/932 A | SW 2- 7 | 3530 9654 |
| 5.0 | | 6/02/32-06/06/932 A | SW 2- 7A | 3828 10146 | 7.0 | | 8/11/27-08/14/927 A | MR 3-13 | 3831 9912 |
| 3.2 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10456 | 6.4 | | 6/01/04-06/05/904 A | SW 1- 5 | 3451 9533 |
| 2.3 | | | | | 6.7 | | 8/15/32-08/17/932 A | SW 2- 8 | 3624 9754 |
| | | | | | 5.3 | | | | |
| 27(20) | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 9420 | 28(8) | | 8/11/52-08/12/952 A | UMV 3-30 | 3712 8933 |
| 8.3 | | 6/14/57-06/15/957 H | - | 3837 9024 | 6.9 | | 6/22/69-06/23/969 H | - | 3644 8613 |
| 6.6 | | 8/22/06-08/26/906 A | MR 1-21A | 3815 9321 | 5.5 | | 6/20/35-06/21/935 A | OR 5- 5 | 3712 8712 |
| 6.9 | | 6/03/43-06/04/943 A | MR 6- 3 | 3831 9409 | 4.9 | | 8/12/46-08/16/946 A | MR 7- 2B | 3640 8959 |
| 5.9 | | 7/07/98-07/08/898 A | MR 1- 3B | 3735 9057 | 4.3 | | 7/28/38-08/02/938 A | OR 5- 9 | 3647 8835 |
| 5.7 | | | | | | | | | |
| 29(12) | | 7/04/39-07/05/939 H | - | 3813 8322 | 30(13) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 7.7 | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 8.1 | | 7/26/97-07/29/897 A | NA 1- 7 | 3846 7634 |
| 5.9 | | 7/31/32-08/03/932 A | OR 2- 8 | 3802 8436 | 5.5 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 4.8 | | 7/03/32-07/08/932 A | OR 3-20 | 3828 8105 | 3.6 | | 8/10/55-08/15/955 A | NA 2-1B | 3507 7703 |
| 4.8 | | 8/30/40-08/31/940 H | - | 3500 8306 | 3.5 | | 7/28/08-07/31/908 A | SA 5-23 | 3507 7703 |
| | | | | | | | | | |
| 31(0) | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 11124 |
| | | | | | 2.8 | | | | |
| 33(1) | | 7/27/05-07/25/905 A | GM 1-13 | 3256 10517 | 34(6) | | 6/23/48-06/24/948 H | - | 2922 10037 |
| 2.6 | | | | | 7.7 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| | | | | | 6.0 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 10123 |
| | | | | | 6.5 | | 6/19/39-06/20/939 H | - | 3244 10055 |
| | | | | | 6.0 | | 7/19/38-07/25/938 A | GM 5-10 | 3046 10044 |
| 35(11) | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 8739 | 36(11) | | 6/13/86-06/17/886 A | LMV 4-25 | 3119 9233 |
| 10.9 | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 9907 | 10.4 | | 8/12/38-08/15/938 A | LMV 4-23 | 3020 9245 |
| 7.7 | | 6/05/43-06/07/943 A | SW 3- 3 | 3240 9536 | 8.4 | | 6/30/40-07/02/940 A | UMV 4-25 | 3355 9403 |
| 6.8 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 9701 | 7.3 | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 9210 |
| 6.3 | 1000- 3) | 8/30/32-09/03/932 A | GM 5-16A | 3144 9610 | 6.0 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| 6.3 | | | | | 5.9 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(6) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 9.6 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 9.8 | | 8/26/95-08/28/895 A | SA 2- 1 | 3341 8012 |
| 4.7 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 8745 | 4.2 | | 7/27/87-07/31/887 A | SA 5- 1 | 3337 8304 |
| 4.7 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 4.9 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 8042 |
| 3.0 | | | | | 4.6 | | 7/13/16-07/17/916 A | SA 2- 9A | 3340 7949 |
| | | | | | 4.6 | | | | |
| 39(0) | | | | | 40(3) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 7.7 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 4.0 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 3.6 | | | | |

FIVE GREATEST OBSERVED 1000 SQUARE MILE- 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

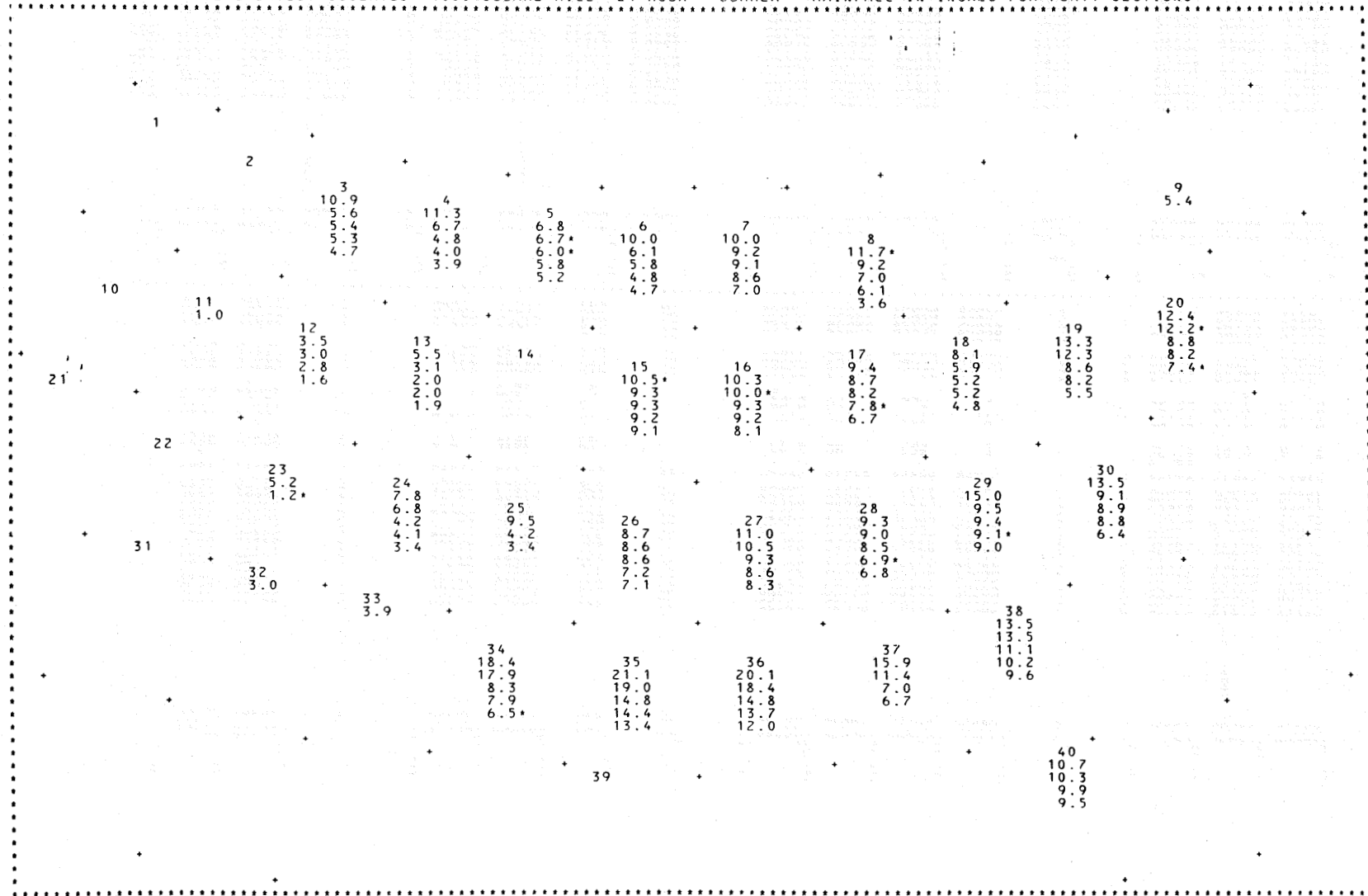


* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
|----------------|-------------------|---------------------|-------------------------|--------------|-------|-------------|-------------------|---------------------|-------------------------|--------------|-------|
| 1(0) | | | | | | 2(0) | | | | | |
| 3(9) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 | 11241 | 4(9) | | 6/17/21-06/21/921 A | HR 4-21 | 4718 | 10535 |
| 6.9 | | 6/16/48-06/17/948 H | - | 4812 | 11230 | 9.6 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 | 10939 |
| 3.7 | | 6/19/16-06/22/916 R | - | 4728 | 11146 | 5.0 | | 6/14/44-06/18/944 R | MR 5-20 | 4722 | 10814 |
| 3.6 | | 6/01/53-06/04/953 A | HR 5-15 | 4725 | 11050 | 3.7 | | 6/11/37-06/13/937 A | MR 5-20 | 4730 | 10534 |
| 3.4 | | 6/03/08-06/06/908 A | - | 4711 | 11108 | 3.4 | | 6/12/14-06/14/914 A | MR 4-18 | 4821 | 10753 |
| 3.0 | | | | | | 3.2 | | | | | |
| 5(10) | | 6/09/72-06/09/972 H | - | 4412 | 10331 | 6(5) | | 7/18/09-07/23/909 A | URV 1-11A | 4721 | 9548 |
| 6.7 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 | 10017 | 9.6 | | 7/01/01-07/06/901 A | URV 1-8 | 4822 | 9620 |
| 6.4 | | 6/24/66-06/24/966 R | - | 4721 | 10119 | 5.0 | | 7/18/97-07/22/897 A | URV 1-2 | 4747 | 9555 |
| 6.0 | | 6/12/07-06/13/907 A | MR 4-10 | 4435 | 10320 | 4.2 | | 8/19/18-08/22/918 A | HR 4-16 | 4420 | 9710 |
| 4.2(1000-6) | | 6/06/29-06/07/929 A | HR 4-28 | 4657 | 10400 | 4.0 | | 6/25/74-06/28/914 A | HR 4-14B | 4535 | 9555 |
| 3.7 | | | | | | 3.5 | | | | | |
| 7(15) | | 7/18/09-07/23/909 A | URV 1-11 | 4627 | 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 | 8200 |
| 9.6 | | 8/28/41-08/31/941 A | URV 1-22 | 4600 | 9128 | 10.8 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 | 8941 |
| 8.2 | | 7/21/72-07/22/972 H | - | 4610 | 9430 | 6.0 | | 8/31/37-09/03/937 A | GL 3-5 | 4517 | 8437 |
| 7.8 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 | 9020 | 5.9 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 | 8612 |
| 6.9 | | 7/24/92-07/28/892 A | URV 1-1 | 4504 | 9318 | 2.9 | | 7/01/00-07/06/900 A | URV 1-5 | 4457 | 8937 |
| 5.6 | | | | | | 2.7 | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 | 7546 | 10(0) | | | | | |
| 5.1 | | | | | | | | | | | |
| 11(1) | | 6/10/43-06/13/943 R | - | 4140 | 11525 | 12(4) | | 7/23/13-07/26/913 R | - | 4235 | 11230 |
| B 0.9 | | | | | | B 2.5 | | 6/07/44-06/12/944 R | - | 4345 | 11335 |
| | | | | | | B 2.2 | | 8/28/09-09/02/909 H | - | 3930 | 11050 |
| | | | | | | B 2.0 | | 6/08/47-06/12/947 H | - | 4109 | 11155 |
| | | | | | | 1.0 | | | | | |
| 13(5) | | 8/31/38-09/04/938 R | MR 5-8 | 4025 | 10512 | 14(0) | | | | | |
| 4.5 | | 8/30/38-09/04/938 A | - | 4023 | 10504 | | | | | | |
| 2.9 | | 7/27/22-08/03/922 R | - | 3913 | 10537 | | | | | | |
| 1.7 | | 7/19/29-07/24/929 R | - | 3933 | 10720 | | | | | | |
| 1.5 | | 6/01/43-06/03/943 R | - | 3933 | 10720 | | | | | | |
| 15(24) | | 8/12/66-08/13/966 R | MR 6-15 | 4133 | 9832 | 16(34) | | 6/09/05-06/10/905 A | URV 2-5 | 4042 | 9148 |
| 10.3 | | 6/10/44-06/13/944 A | MR 6-15 | 4152 | 9703 | 10.0 | | 8/24/03-08/28/903 A | MR 1-10 | 4057 | 9335 |
| 9.0 | | 6/04/96-06/07/896 A | MR 4-3 | 4133 | 9832 | 8.7 | | 7/09/92-07/12/922 A | MR 2-29 | 4029 | 9422 |
| 8.9 | | 6/03/40-06/04/940 A | MR 4-5 | 4201 | 9653 | 8.7 | | 7/16/68-07/17/968 H | - | 4230 | 9219 |
| 8.9 | | 7/22/11-07/23/911 R | - | 4022 | 9654 | 7.8 | | 7/01/58-07/02/958 H | - | 4143 | 9456 |
| 8.3 | | | | | | 6.8 | | | | | |
| 17(10) | | 6/27/57-06/28/957 H | - | 3938 | 8742 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 | 8152 |
| 8.4 | | 7/08/51-07/09/951 H | - | 4045 | 8849 | 7.8 | | 7/12/13-07/15/913 A | OR 3-7 | 4093 | 8213 |
| 7.8 | | 7/12/57-07/13/957 H | - | 4108 | 8753 | 4.6 | | 8/08/13-08/10/913 A | GL 3-2 | 4356 | 8354 |
| 7.3 | | 6/29/38-07/01/938 A | GL 3-11 | 4235 | 8802 | 4.3 | | 8/25/03-08/30/903 A | GL 1-9 | 4119 | 8152 |
| 6.4 | | 8/03/24-08/06/924 A | GL 2-22 | 4325 | 8811 | 4.0 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 | 8234 |
| 5.9 | | | | | | | | | | | |
| 19(24) | | 7/17/42-07/18/942 A | OR 9-23 | 4150 | 7825 | 20(15) | | 8/19/39-08/19/939 A | NA 2-3 | 3942 | 7416 |
| 10.3 | | 6/19/72-06/23/972 H | - | 4204 | 7810 | 11.3 | | 8/17/55-08/20/955 A | NA 2-22A | 4207 | 7245 |
| 8.9 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 | 7653 | 9.2 | | 8/13/19-08/14/919 A | NA 1-12 | 3956 | 7421 |
| 6.7 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 | 7645 | 7.4 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| 6.6 | | 7/01/90-07/05/890 H | - | 4334 | 7526 | 6.8 | | 7/12/97-07/14/897 A | NA 1-6 | 4139 | 7253 |
| 4.8 | | | | | | 5.6 | | | | | |
| 21(0) | | | | | | 22(0) | | | | | |
| 23(2) | | 8/26/51-08/30/951 H | - | 3407 | 11221 | 24(12) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 | 10504 |
| 3.8 | | 8/17/45-08/19/945 R | - | 3737 | 11430 | 7.1 | | 8/29/42-09/01/942 A | SW 2-29 | 3456 | 10504 |
| B 1.0(1108-12) | | | | | | 4.2 | | 6/06/13-06/12/913 A | SH 1-14 | 3556 | 10505 |
| | | | | | | 3.9 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 | 10620 |
| | | | | | | 3.8 | | 7/27/29-08/07/929 R | - | 3733 | 10749 |
| | | | | | | 1.5 | | | | | |
| 25(3) | | 6/13/65-06/20/965 H | SW 2-7A | 3743 | 10223 | 26(12) | | 6/02/32-06/06/932 A | SW 2-7 | 3530 | 9654 |
| 5.6 | | 6/02/32-06/06/932 A | SW 2-27 | 3549 | 10456 | 8.3 | | 7/12/27-07/15/927 A | SW 2-5 | 3412 | 9708 |
| 3.6 | | 8/06/29-08/11/929 A | - | 3743 | 10223 | 7.5 | | 8/15/32-08/12/932 A | SW 3-30 | 3712 | 8933 |
| 2.7 | | | | | | 7.7 | | 6/04/16-06/06/916 A | MR 2-12 | 3653 | 9703 |
| | | | | | | 6.5 | | 8/11/27-08/14/927 A | MR 3-13 | 3831 | 9912 |
| | | | | | | 6.5 | | | | | |
| 27(20) | | 6/14/57-06/15/957 H | - | 3837 | 9024 | 28(8) | | 6/22/69-06/23/969 H | HR 7-28 | 3644 | 8613 |
| 10.4 | | 8/27/47-08/28/947 A | SW 3-7A | 3414 | 9420 | 8.6 | | 8/12/46-08/16/946 A | MR 7-28 | 3840 | 8959 |
| 9.6 | | 6/28/05-07/02/905 A | MR 1-16B | 3407 | 9303 | 7.0 | | 8/11/52-08/12/952 A | URV 3-30 | 3712 | 8933 |
| 7.8 | | 8/25/19-08/29/919 A | MR 2-22 | 3846 | 9344 | 6.9(1000-6) | | 6/20/35-06/21/935 A | OR 5-5 | 3712 | 8712 |
| 7.4 | | 8/12/46-08/15/946 A | MR 7-2A | 3840 | 9313 | 4.8 | | 7/28/38-08/02/938 A | OR 5-9 | 3647 | 8835 |
| 6.6 | | | | | | | | | | | |
| 29(12) | | 7/13/16-07/17/916 A | SA 2-9 | 3553 | 8201 | 30(13) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 | 7900 |
| 10.4 | | 7/04/39-07/05/939 H | SA 2-13 | 3813 | 8322 | 13.5 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 | 7651 |
| 9.1 | | 8/13/28-08/17/928 A | SA 2-6 | 3626 | 8028 | 6.7 | | 8/10/40-08/11/940 A | SA 5-19A | 3703 | 7830 |
| 7.4 | | 8/30/40-08/31/940 H | - | 3500 | 8306 | 6.0 | | 7/26/97-07/29/897 A | NA 1-7 | 3846 | 7634 |
| 6.7 | | 8/23/08-08/28/908 A | - | 3626 | 8028 | 5.9 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 | 7703 |
| 6.3 | | | | | | | | | | | |
| 31(0) | | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 | 11124 |
| | | | | | | 2.9 | | | | | |
| 33(1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 | 10517 | 34(6) | | 6/23/48-06/24/948 H | - | 2922 | 10037 |
| 2.9 | | | | | | 13.6 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 | 10123 |
| | | | | | | 9.7 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 | 10048 |
| | | | | | | 7.8 | | 7/19/38-07/25/938 A | GM 5-10 | 3046 | 10044 |
| | | | | | | 6.5 | | 6/19/39-06/20/939 H | - | 3244 | 10055 |
| | | | | | | 6.5(1000-6) | | | | | |
| 35(11) | | 6/27/36-07/04/936 A | GM 5-6 | 2924 | 9739 | 36(11) | | 6/13/86-06/17/886 A | LMV 4-27 | 3119 | 9233 |
| 12.3 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 | 9701 | 15.8 | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 | 9210 |
| 11.7 | | 6/05/43-06/07/943 A | GM 3-3 | 3240 | 9536 | 10.9 | | 8/12/38-08/15/938 A | LMV 4-23 | 3020 | 9245 |
| 11.6 | | 8/30/32-09/05/932 A | GM 5-16A | 3144 | 9610 | 9.8 | | 7/22/33-07/27/933 A | LMV 2-26 | 3158 | 9400 |
| 11.0 | | 6/27/99-07/01/899 A | GM 3-4 | 3052 | 9632 | 9.7 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 | 9435 |
| 10.8 | | | | | | 8.5 | | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 | 8619 | 38(6) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 | 8202 |
| 13.0 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 | 8745 | 11.9 | | 8/26/93-08/28/893 A | SA 4-1 | 3341 | 8016 |
| 7.6 | | 8/26/98-08/29/898 A | SA 3-5 | 3012 | 8543 | 9.4 | | 7/13/16-07/17/916 A | SA 2-9A | 3340 | 7949 |
| 6.3 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 | 8502 | 9.2 | | 8/30/98-09/03/898 A | SA 3-6 | 3223 | 8042 |
| 4.9 | | | | | | 8.3 | | 7/27/87-07/31/887 A | SA 3-1 | 3537 | 8304 |
| | | | | | | 7.4 | | | | | |
| 39(0) | | | | | | 40(3) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 | 8238 |
| | | | | | | 9.0 | | 8/07/28-08/11/928 A | SA 4-24 | 2814 | 8117 |
| | | | | | | 7.3 | | 6/12/34-06/16/934 A | SA 5-1 | 2821 | 8217 |
| | | | | | | 7.2 | | | | | |

FIVE GREATEST OBSERVED 1000 SQUARE MILE- 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

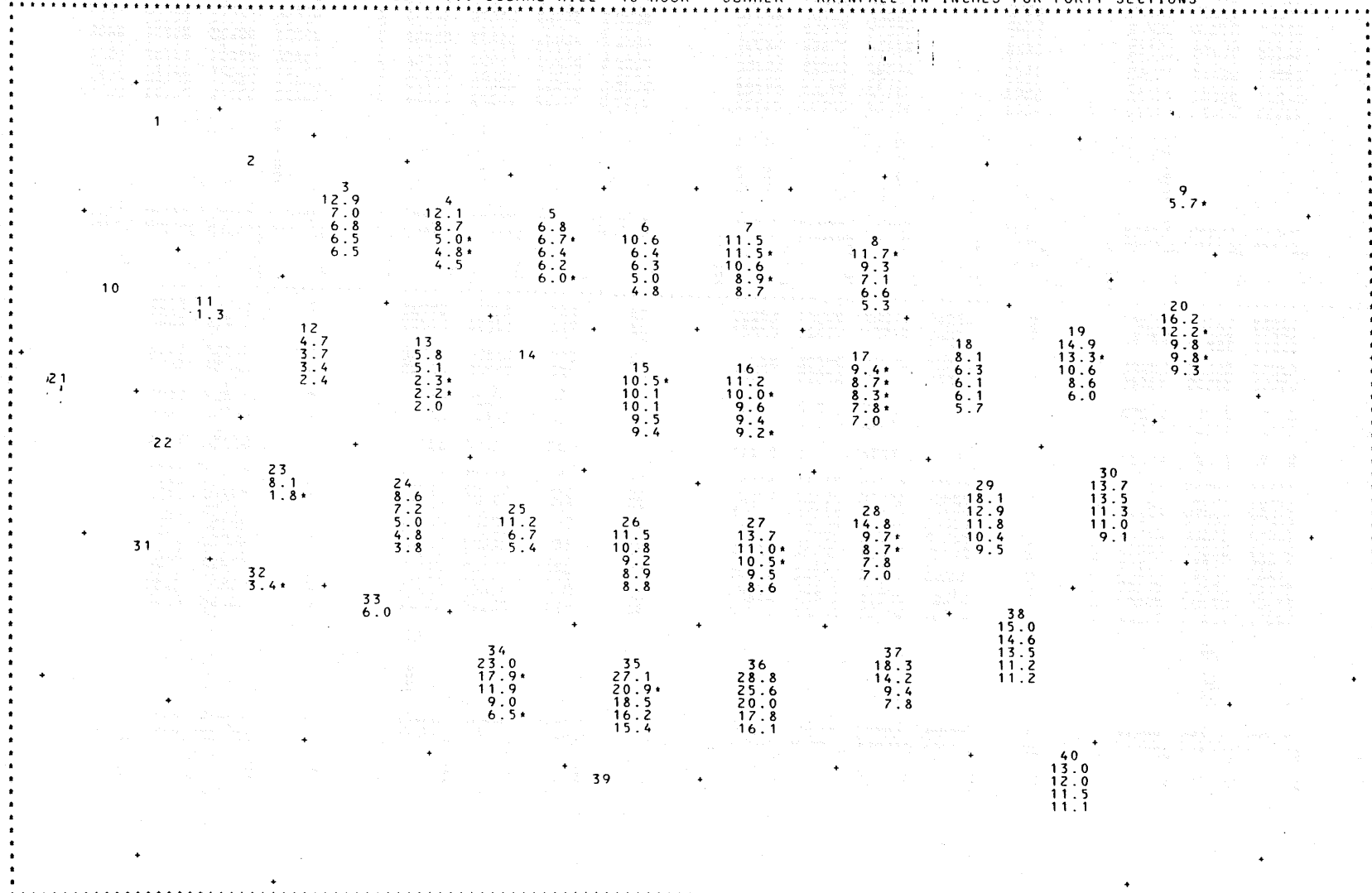


* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| SECTION | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
|---------|-------|-------------------|---------------------|-------------------------|--------------|-------|---------|-------------------|---------------------|-------------------------|--------------|-------|
| 1(0) | | | | | | | 2(0) | | | | | |
| 3(9) | 10.9 | | 6/06/64-06/08/964 A | NP 2-23 | 4726 | 11241 | 4(9) | 11.3 | 6/17/21-06/21/921 A | MR 4-21 | 4718 | 10535 |
| | 5.6 | | 6/16/48-06/17/948 H | - | 4812 | 11230 | | 6.7 | 6/08/06-06/08/906 A | MR 5-13 | 4804 | 10939 |
| | 5.4 | | 6/01/55-06/04/953 H | - | 4725 | 11050 | | 4.8 | 6/07/10-06/08/910 A | MR 5-17 | 4639 | 10918 |
| | 5.3 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 | 11108 | | 4.0 | 6/11/37-06/13/937 A | MR 5-29 | 4730 | 10534 |
| | 4.7 | | 6/19/16-06/22/916 R | - | 4728 | 11146 | | 3.9 | 6/14/44-06/18/944 R | - | 4722 | 10814 |
| 5(10) | 6.8 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 | 10017 | 6(5) | 10.0 | 7/18/09-07/23/909 A | UMV 1-11A | 4721 | 9548 |
| | 6.7 | 1000- 12) | 6/09/72-06/09/972 H | - | 4412 | 10351 | | 6.1 | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 | 9620 |
| | 6.0 | 1000- 12) | 6/24/66-06/24/966 R | - | 4721 | 10119 | | 5.8 | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 | 9555 |
| | 5.8 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 | 10140 | | 4.8 | 8/19/18-08/22/918 A | MR 4-16 | 4730 | 9719 |
| | 5.2 | | 6/26/44-06/27/944 R | - | 4900 | 10233 | | 4.7 | 6/25/14-06/28/914 A | MR 4-14B | 4535 | 9555 |
| 7(15) | 10.0 | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 | 9011 | 8(5) | 11.7 | 7/04/69-07/05/969 H | - | 4400 | 8200 |
| | 9.2 | | 7/21/72-07/22/972 H | - | 4610 | 9430 | | 9.2 | 7/19/12-07/24/912 A | GL 2-29 | 4511 | 8941 |
| | 8.1 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 | 9128 | | 7.0 | 8/31/37-09/03/937 A | GL 3- 5 | 4517 | 8437 |
| | 8.6 | | 7/25/97-07/27/897 A | GL 4- 5 | 4600 | 9030 | | 6.1 | 6/08/22-06/11/922 A | GL 2-21 | 4420 | 8815 |
| | 7.0 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 | 9020 | | 3.6 | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 | 8937 |
| 9(1) | 5.4 | | 8/24/92-08/27/892 H | - | 4427 | 7546 | 10(0) | | | | | |
| 11(1) | 1.0 | | 6/10/43-06/13/943 R | - | 4140 | 11525 | 12(4) | 3.5 | 6/07/44-06/12/944 R | - | 4345 | 11335 |
| B | | | | | | | B | 3.0 | 8/28/09-09/02/909 H | - | 3930 | 11050 |
| | | | | | | | B | 2.8 | 7/23/13-07/26/913 R | - | 4235 | 11230 |
| | | | | | | | | 1.6 | 6/08/47-06/12/947 H | - | 4109 | 11155 |
| 13(5) | 5.5 | | 8/31/38-09/04/938 R | - | 4025 | 10512 | 14(0) | | | | | |
| | 2.0 | | 8/30/36-09/04/938 R | MR 5- 8 | 4023 | 10504 | | | | | | |
| | 2.0 | | 7/27/22-08/03/922 R | - | 3945 | 10533 | | | | | | |
| | 1.9 | | 6/01/43-06/03/943 R | - | 3933 | 10720 | | | | | | |
| | | | 7/19/29-07/24/929 R | - | 3913 | 10517 | | | | | | |
| 15(24) | 10.5 | 1000- 17) | 8/12/66-08/13/966 R | - | 4133 | 9832 | 16(34) | 10.3 | 8/24/03-08/28/903 A | MR 1-10 | 4057 | 9335 |
| | 9.3 | | 6/10/46-06/13/944 A | MR 6-15 | 4152 | 9703 | | 10.0 | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 | 9148 |
| | 9.3 | | 6/23/91-06/27/891 A | MR 4- 2 | 4252 | 9530 | | 9.3 | 7/09/22-08/12/922 A | UMV 2-29 | 4029 | 9455 |
| | 9.2 | | 6/04/96-06/07/896 A | MR 4- 3 | 4133 | 9832 | | 8.1 | 7/16/68-07/17/968 H | UMV 2-15 | 4230 | 9219 |
| | 9.1 | | 7/14/00-07/17/900 A | MR 1- 5 | 4305 | 9538 | | | 6/28/33-06/29/933 A | UMV 2-15 | 4252 | 9201 |
| 17(10) | 9.4 | | 6/27/57-06/28/957 H | - | 3938 | 8742 | 18(11) | 8.1 | 8/06/35-08/07/935 A | OR 9-11 | 4016 | 8152 |
| | 8.7 | | 7/12/57-07/13/957 H | - | 4108 | 8753 | | 5.9 | 7/12/13-07/15/913 A | OR 3- 7 | 4003 | 8213 |
| | 8.2 | | 6/29/38-07/01/938 A | GL 3-11 | 4235 | 8802 | | 5.2 | 7/25/75-08/03/875 A | OR 4- 1 | 4039 | 8339 |
| | 7.8 | 1000- 12) | 7/08/51-07/09/951 H | - | 4045 | 8849 | | 4.8 | 8/25/03-08/30/903 A | GL 1- 9 | 4119 | 8152 |
| | 6.7 | | 8/03/24-08/06/924 A | GL 2-22 | 4325 | 8811 | | | 7/18/19-07/21/919 A | GL 4-15 | 4034 | 8234 |
| 19(24) | 13.3 | | 7/17/42-07/18/942 A | OR 9-23 | 4150 | 7825 | 20(15) | 12.4 | 8/17/55-08/20/955 A | NA 2-22A | 4207 | 7245 |
| | 12.3 | | 6/19/72-06/23/972 H | - | 4204 | 7810 | | 12.2 | 8/19/59-08/19/939 A | NA 2- 3 | 3942 | 7416 |
| | 8.6 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 | 7653 | | 8.8 | 8/13/19-08/14/919 A | NA 1-12 | 3936 | 7421 |
| | 8.2 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 | 7645 | | 7.4 | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| | 5.2 | | 7/22/27-07/23/927 A | NA 1-16A | 4034 | 7643 | | | 8/26/71-08/28/971 H | - | 4004 | 7450 |
| 21(0) | | | | | | | 22(0) | | | | | |
| 23(2) | 5.2 | | 8/26/51-08/30/951 H | - | 3407 | 11221 | 24(13) | 7.8 | 6/02/21-06/06/921 A | SW 1-23 | 3827 | 10504 |
| B | 1.2 | 1108- 24) | 8/17/45-08/19/945 R | - | 3737 | 11430 | | 6.8 | 8/29/42-09/01/942 A | SW 2-29 | 3546 | 10506 |
| | | | | | | | | 4.2 | 6/06/13-06/12/913 A | SW 1-14 | 3536 | 10305 |
| | | | | | | | | 4.1 | 7/19/15-07/28/915 A | SW 1-18 | 3446 | 10620 |
| | | | | | | | | 3.4 | 8/01/68-08/01/968 H | - | 3749 | 10923 |
| 25(3) | 9.5 | | 6/13/65-06/20/965 H | - | 3743 | 10223 | 26(12) | 8.7 | 6/02/32-06/06/932 A | SW 2- 7 | 3530 | 9654 |
| | 4.2 | | 6/19/72-06/23/972 H | SW 2- 7A | 3828 | 10146 | | 8.6 | 7/12/27-07/15/927 A | SW 2- 5 | 3412 | 9708 |
| | 3.4 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 | 10456 | | 8.6 | 8/15/32-08/17/932 A | SW 2- 5 | 3624 | 9544 |
| | | | | | | | | 7.2 | 6/11/04-06/05/904 A | SW 2- 5 | 3451 | 9533 |
| | | | | | | | | 7.1 | 6/04/16-06/06/916 A | MR 2-12 | 3653 | 9703 |
| 27(20) | 11.0 | | 6/14/57-06/15/957 H | - | 3837 | 9024 | 28(8) | 9.3 | 6/22/69-06/23/969 H | - | 3644 | 8613 |
| | 10.5 | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 | 9420 | | 9.0 | 8/12/46-08/16/946 A | MR 7- 2B | 3840 | 8959 |
| | 9.3 | | 8/25/19-08/29/919 A | MR 2-22 | 3846 | 9344 | | 8.9 | 6/20/35-06/22/915 A | OR 5- 5 | 3712 | 8712 |
| | 8.6 | | 6/28/03-07/02/905 A | MR 1-16B | 3407 | 9303 | | 6.9 | 8/11/52-08/12/952 A | UMV 3-30 | 3712 | 8933 |
| | 8.5 | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 | 9313 | | 6.8 | 8/17/15-08/20/915 H | - | 3849 | 8957 |
| 29(14) | 15.0 | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 | 8201 | 30(13) | 13.5 | 8/19/69-08/20/969 A | NA 2-23 | 3749 | 7900 |
| | 9.5 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 | 8028 | | 9.1 | 8/10/40-08/17/940 A | SA 5-19A | 3703 | 7830 |
| | 9.4 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 | 8238 | | 8.9 | 8/10/55-08/15/955 A | NA 2-21B | 3507 | 7703 |
| | 9.1 | 1000- 12) | 7/04/59-07/05/959 H | - | 3813 | 8323 | | 8.8 | 8/10/28-08/13/928 A | NA 1-18 | 3844 | 7651 |
| | 9.0 | | 8/30/40-08/31/940 H | - | 3500 | 8306 | | 6.4 | 8/03/94-08/06/894 A | SA 2- 2 | 3542 | 7732 |
| 31(0) | | | | | | | 32(1) | 3.0 | 8/19/54-08/20/954 H | - | 3323 | 11124 |
| 33(1) | 3.9 | | 7/21/05-07/25/905 A | GM 3-13 | 3256 | 10517 | 34(6) | 18.4 | 6/23/54-06/28/954 A | SW 3-22 | 3022 | 10123 |
| | | | | | | | | 17.9 | 6/23/48-06/24/948 H | GM 3-14 | 3117 | 10048 |
| | | | | | | | | 7.3 | 8/04/06-08/06/906 A | GM 5-10 | 3046 | 10044 |
| | | | | | | | | 7.9 | 7/19/38-07/25/938 A | GM 5-10 | 3046 | 10044 |
| | | | | | | | | 6.5 | 6/19/39-06/20/939 H | - | 3244 | 10055 |
| 35(11) | 21.1 | | 6/27/99-07/01/899 A | GM 3- 4 | 3052 | 9632 | 36(11) | 20.1 | 6/13/86-06/17/886 A | LWV 4-27 | 3119 | 9233 |
| | 19.0 | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 | 9907 | | 18.4 | 8/06/40-08/09/940 A | LWV 4- 24 | 2945 | 9210 |
| | 14.8 | | 8/30/32-09/05/932 A | GM 5-16A | 3144 | 9610 | | 14.8 | 7/22/33-07/27/933 A | LWV 2-26 | 3158 | 9400 |
| | 14.4 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 | 9701 | | 13.7 | 7/27/43-07/29/943 A | GM 5-21 | 3002 | 9435 |
| | 13.4 | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 | 9739 | | 12.0 | 8/12/38-08/15/938 A | LWV 4-23 | 3020 | 9245 |
| 37(4) | 15.9 | | 7/05/16-07/10/916 A | GM 1-19 | 3049 | 8619 | 38(6) | 13.5 | 8/28/11-08/31/911 A | SA 3-11 | 3030 | 8202 |
| | 11.4 | | 6/01/28-06/05/928 A | LWV 2-18 | 3155 | 8743 | | 13.5 | 7/13/16-07/17/916 A | SA 2- 9A | 3340 | 7949 |
| | 7.0 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 | 8543 | | 11.1 | 8/26/93-08/28/893 A | SA 2- 1 | 3341 | 8012 |
| | 6.7 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 | 8502 | | 10.2 | 8/10/40-08/17/940 A | SA 5-19D | 3223 | 8043 |
| | | | | | | | | 9.6 | 8/30/98-09/03/898 A | SA 3- 6 | 3223 | 8042 |
| 39(0) | | | | | | | 40(4) | 10.7 | 8/01/15-08/03/915 A | SA 4-15 | 2747 | 8238 |
| | | | | | | | | 10.3 | 6/29/09-07/03/909 H | - | 2808 | 8247 |
| | | | | | | | | 9.9 | 6/12/34-06/16/934 A | SA 5- 1 | 2821 | 8217 |
| | | | | | | | | 9.5 | 8/07/28-08/12/928 A | SA 4-24 | 2814 | 8117 |

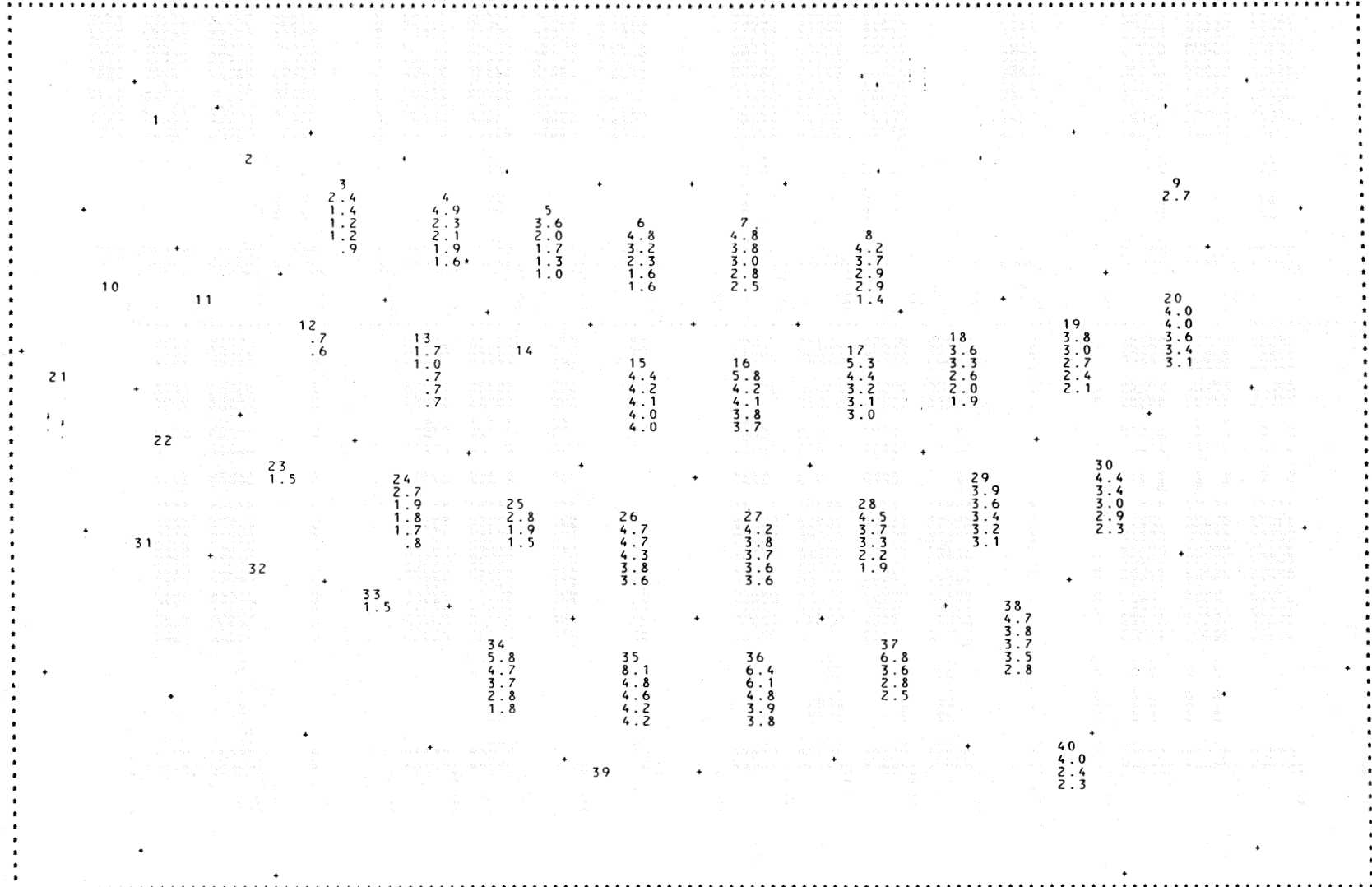
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|-------------------|---------------------|-------------------------|-------------------|---------|-------------------|---------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(9) | | 6/06/64-06/08/964 A | MP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 10535 |
| 12.0 | | 6/16/48-06/17/948 H | - | 4812 11230 | 12.1 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 7.0 | | 6/01/53-06/04/953 H | - | 4725 11050 | 8.7 | 1000- 30) | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 6.8 | | 6/03/08-06/06/908 A | HR 5-15 | 4711 11108 | 5.0 | 1000- 42) | 7/14/18-07/15/918 A | MR 5-23 | 4650 10905 |
| 6.5 | | 6/19/16-06/22/916 R | - | 4728 11146 | 4.5 | | 6/14/44-06/18/944 R | - | 4722 10814 |
| 5(10) | | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 6.8 | | 6/09/72-06/09/972 H | - | 4412 10331 | 10.6 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 6.7 | 1000- 12) | 6/26/44-06/27/944 R | - | 4900 10233 | 6.4 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 6.4 | | 7/05/28-07/08/928 A | UMV 1-18 | 4721 10119 | 5.0 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9535 |
| 6.2 | 1000- 12) | 6/24/66-06/24/966 R | - | 4721 10119 | 4.8 | | | | |
| 7(13) | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 8200 |
| 11.5 | | 7/21/72-07/22/972 H | - | 4610 9430 | 11.7 | 1000- 18) | 7/19/12-07/24/912 A | GL 2-29 | 4311 8941 |
| 11.5 | 1000- 45) | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 9.3 | | 8/31/32-09/03/932 A | GL 3-5 | 4517 8437 |
| 10.6 | | 7/25/97-07/27/997 A | GL 4- 5 | 4600 9030 | 6.6 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 8.9 | 1000- 36) | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 5.3 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 8.7 | | | | | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 5.7 | 1000- 36) | | | | | | | | |
| 11(1) | | 6/10/43-06/13/943 R | - | 4140 11525 | 12(4) | | 7/23/13-07/26/913 R | - | 4235 11230 |
| B 1.3 | | | | | B 4.7 | | 6/07/04-06/12/944 R | - | 4345 11335 |
| | | | | | 3.7 | | 8/28/09-09/02/909 H | - | 3930 11030 |
| | | | | | 2.4 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(5) | | 8/31/38-09/04/938 R | MR 5- 8 | 4025 10512 | 14(0) | | | | |
| 5.8 | | 8/30/38-09/04/938 A | - | 4023 10304 | | | | | |
| 5.1 | 1000- 36) | 6/01/43-06/03/943 R | - | 3933 10220 | | | | | |
| 2.3 | 1000- 42) | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 2.0 | | | | | | | | | |
| 15(24) | | 8/12/66-08/13/966 R | MR 6-15 | 4133 9832 | 16(34) | | 8/24/03-08/28/903 A | MR 1-10 | 4057 9335 |
| 10.5 | 1000- 17) | 6/10/44-06/13/944 A | MR 4- 5 | 4305 9538 | 11.2 | | 7/09/05-06/10/905 A | UMV 2- 5 | 4042 9148 |
| 10.1 | | 7/14/00-07/17/940 A | MR 4- 2 | 4252 9330 | 10.0 | 1000- 12) | 7/09/22-07/12/922 A | UMV 2-29 | 4029 9425 |
| 10.1 | | 6/23/91-06/27/891 A | MR 4- 3 | 4133 9832 | 9.6 | | 7/04/09-07/07/909 A | UMV 2- 8 | 4015 9022 |
| 9.5 | | 6/04/96-06/07/896 A | - | 4133 9832 | 9.4 | 1000- 24) | 7/16/68-07/17/968 H | - | 4230 9219 |
| 9.4 | | | | | 9.2 | | | | |
| 17(10) | | 6/27/57-06/28/957 H | - | 3938 8742 | 18(11) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 9.4 | 1000- 24) | 7/12/57-07/13/957 H | - | 4107 8753 | 8.1 | | 7/25/75-08/03/875 A | OR 4- 1 | 4039 8339 |
| 8.7 | 1000- 24) | 6/29/38-07/01/938 A | GL 3-11 | 4235 8802 | 6.3 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 8354 |
| 8.3 | 1000- 42) | 7/08/51-07/09/951 H | - | 4045 8849 | 6.1 | | 7/12/13-07/15/913 A | OR 3- 7 | 4003 8213 |
| 7.8 | 1000- 12) | 8/03/24-08/06/924 A | GL 2-22 | 4325 8811 | 5.7 | | 8/25/03-08/30/903 A | GL 1- 9 | 4119 8152 |
| 7.0 | | | | | | | | | |
| 19(24) | | 6/19/72-06/23/972 H | OR 9-23 | 4204 7810 | 20(15) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 14.9 | | 7/17/42-07/18/942 A | NA 1-27 | 4150 7825 | 15.2 | 1000- 18) | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 13.3 | 1000- 24) | 7/06/35-07/10/935 A | NA 1-24 | 4230 7653 | 12.2 | | 8/11/55-08/15/955 A | NA 2-21A | 4201 7425 |
| 10.6 | | 8/20/33-08/24/933 A | SA 1- 4 | 3955 7645 | 9.8 | 1000- 30) | 8/26/71-08/28/971 H | - | 4004 7440 |
| 8.6 | | 8/03/98-08/05/898 A | SA 1- 4 | 4048 7617 | 9.3 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 6.0 | | | | | | | | | |
| 21(0) | | | | | 22(0) | | | | |
| | | | | | | | | | |
| 23(2) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(13) | | 6/02/21-06/06/921 A | SH 1-23 | 3827 10504 |
| B 8.1 | | 8/17/45-08/19/945 R | - | 3737 11430 | 8.6 | | 8/29/42-09/01/942 A | SH 2-29 | 3456 10506 |
| 1.8 | 1108- 42) | | | | 7.2 | | 7/19/15-07/28/915 A | SH 1-18 | 3446 10620 |
| | | | | | 5.0 | | 6/06/13-06/12/913 A | SH 1-14 | 3356 10505 |
| | | | | | 4.8 | | | | |
| | | | | | 3.8 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| 25(3) | | 6/13/65-06/20/965 H | SH 2- 7A | 3743 10223 | 26(12) | | 7/09/51-07/13/951 A | MR 10- 2 | 3840 9630 |
| 11.2 | | 6/02/32-06/06/932 A | SH 2-27 | 3549 10456 | 11.5 | | 7/01/04-06/05/904 A | MR 1- 5 | 3451 9533 |
| 6.7 | | 8/06/29-08/11/929 A | - | 3549 10456 | 10.8 | | 8/15/32-08/17/932 A | SH 2- 8 | 3624 9754 |
| 5.4 | | | | | 9.9 | | 6/02/32-06/06/932 A | SH 2- 7 | 3530 9654 |
| | | | | | 8.8 | | 7/12/27-07/15/927 A | SH 2- 5 | 3412 9708 |
| 27(20) | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 9313 | 28(9) | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 9599 |
| 13.7 | | 6/14/57-06/15/957 H | - | 3837 9024 | 16.8 | | 6/22/69-06/23/969 H | - | 3644 8613 |
| 11.0 | 1000- 24) | 8/27/47-08/28/947 A | SW 3- 7A | 3414 9420 | 8.7 | 1000- 30) | 6/20/35-06/21/935 A | OR 5- 5 | 3712 8712 |
| 10.5 | 1000- 24) | 8/25/19-08/29/919 A | MR 2-22 | 3846 9344 | 7.8 | | 8/17/15-08/20/915 H | OR 5- 9 | 3849 8957 |
| 9.5 | | 6/28/05-07/02/905 A | MR 1-16B | 3407 9503 | 7.0 | | 7/28/38-08/02/938 A | OR 5- 9 | 3647 8835 |
| 8.6 | | | | | | | | | |
| 29(14) | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 30(13) | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 18.1 | | 8/23/08-08/28/908 A | SA 2- 6 | 3526 8028 | 13.7 | | 8/19/69-08/20/969 A | SA 2-23 | 3749 7900 |
| 12.9 | | 8/10/40-08/17/940 A | SA 5-19B | 3545 8205 | 11.3 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 11.8 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 11.0 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 10.4 | | 8/30/40-08/31/940 H | - | 3500 8306 | 9.1 | | 8/03/94-08/06/894 A | SA 2- 2 | 3542 7732 |
| 9.5 | | | | | | | | | |
| 31(0) | | | | | 32(1) | | 8/19/54-08/20/954 H | - | 3323 11124 |
| | | | | | 3.4 | 1000- 36) | | | |
| 33(1) | | 7/21/05-07/25/905 A | GH 3-13 | 3256 10517 | 34(6) | | 6/23/54-06/28/954 A | SW 3-22 | 3022 10123 |
| 6.0 | | | | | 17.9 | 1000- 24) | 6/23/48-06/24/948 H | SW 3- 5 | 2922 10037 |
| | | | | | 11.9 | | 7/19/38-07/25/938 A | GH 5-10 | 3046 10044 |
| | | | | | 9.0 | | 8/04/08-08/06/906 A | GH 3-14 | 3117 10048 |
| | | | | | 6.5 | 1000- 6) | 8/19/39-06/20/939 H | - | 3244 10055 |
| 35(11) | | 6/27/09-07/01/899 A | GH 3- 4 | 3052 9632 | 36(11) | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 9210 |
| 27.1 | | 6/15/32-07/02/932 A | GH 5- 1 | 3001 9907 | 25.8 | | 6/13/86-06/17/886 A | LMV 4-27 | 3119 9233 |
| 20.9 | 1000- 42) | 6/28/40-06/30/940 A | GH 5-11 | 2941 9701 | 25.6 | | 7/27/43-07/29/943 A | GH 5-21 | 3002 9435 |
| 18.5 | | 8/26/45-08/29/945 A | GH 5-23 | 3002 9531 | 20.0 | | 7/22/33-07/27/933 A | LMV 2-26 | 3158 9400 |
| 16.2 | | 6/27/36-07/04/936 A | GH 5- 6 | 2924 9739 | 17.8 | | 8/16/15-08/21/915 A | LMV 1-10 | 3131 9407 |
| 15.4 | | | | | 16.1 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GH 1-19 | 3049 8619 | 38(6) | | 7/13/16-07/17/916 A | SA 2- 9A | 3340 7949 |
| 18.3 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 8745 | 14.6 | | 8/28/11-08/31/911 A | SA 3- 1 | 3030 8202 |
| 14.2 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 13.5 | | 7/27/87-07/31/887 A | SA 3- 1 | 3337 8304 |
| 9.4 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 11.2 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8012 |
| 7.8 | | | | | | | 8/30/48-09/03/898 A | SA 3- 6 | 3223 8042 |
| 39(0) | | | | | 40(4) | | 6/29/09-07/03/909 H | - | 2808 8247 |
| | | | | | 13.0 | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 12.0 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 11.5 | | | | |
| | | | | | 11.1 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |

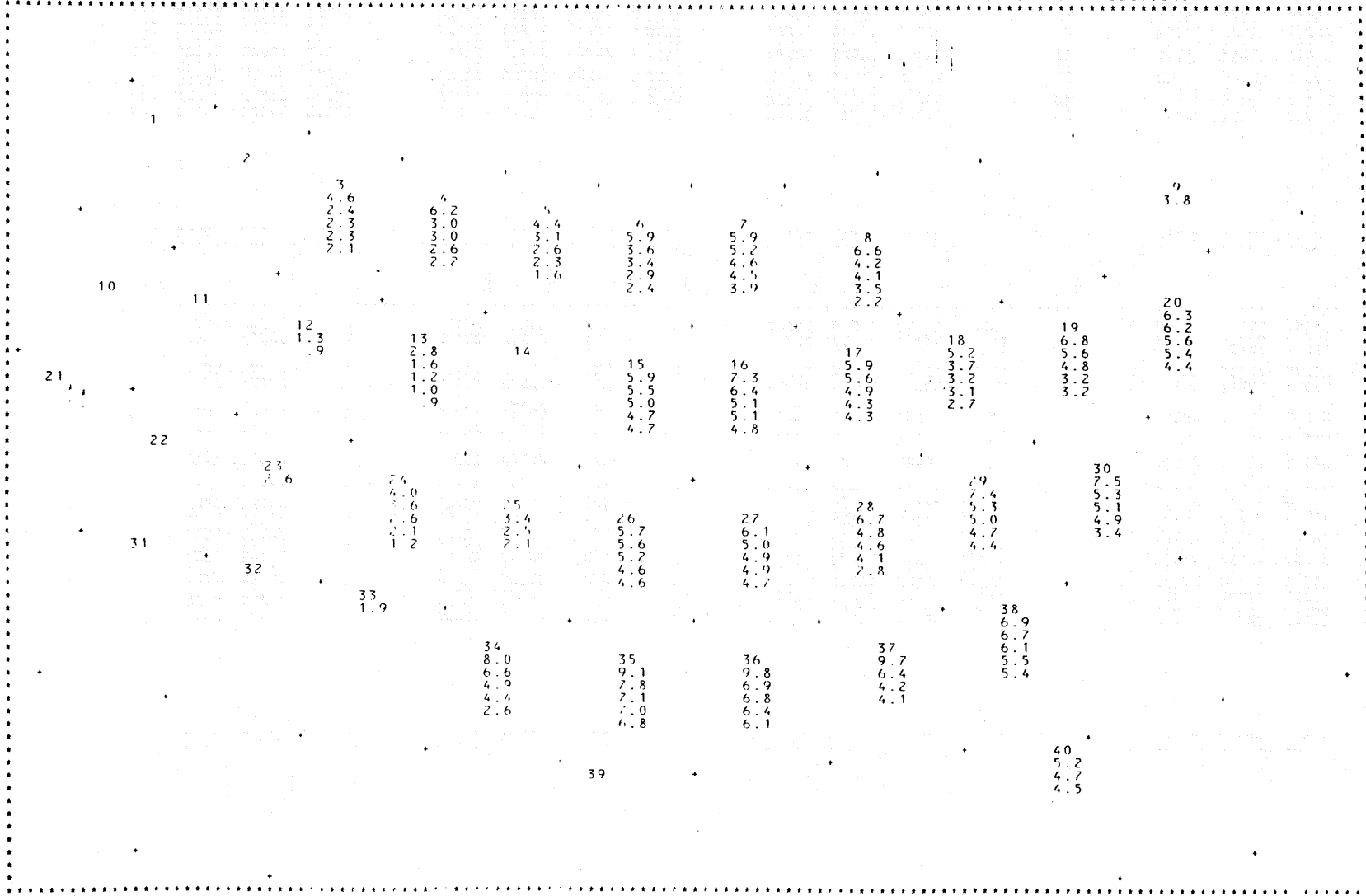
FIVE GREATEST OBSERVED 5000 SQUARE MILE- 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(6) | | 6/06/64-06/08/964 A | MF 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4728 10755 |
| 2.4 | | 6/21/07-06/23/907 A | MR 2-15 | 4749 11210 | 4.9 | | 6/14/44-06/18/944 R | MR 5-13 | 4722 10814 |
| 1.4 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 2.3 | | 6/06/08-06/08/906 A | MR 5-13 | 4804 10939 |
| 1.2 | | 6/19/16-06/22/916 R | MR 5-9 | 4728 11146 | 1.9 | 6000- 6) | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 1.2 | | 6/29/98-07/01/988 A | MR 5-9 | 4700 11140 | 1.6 | | 6/12/14-06/14/914 A | MR 5-20 | 4821 10753 |
| 0.9 | | | | | | | | | |
| 5(6) | | 6/23/14-06/28/914 A | MR 4-14A | 4629 10017 | 6(5) | | 7/15/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 3.6 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 10140 | 4.8 | | 7/01/01-07/06/901 A | UMV 1-8 | 4822 9620 |
| 2.0 | | 6/26/44-06/27/944 R | - | 4900 10233 | 3.2 | | 7/18/97-07/22/897 A | UMV 1-2 | 4747 9555 |
| 1.7 | | 8/10/47-08/13/947 H | - | 4847 10433 | 1.6 | | 6/25/14-06/28/914 A | MR 4-18 | 4535 9555 |
| 1.3 | | 6/02/44-06/05/944 R | - | 4456 10411 | 1.6 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 1.0 | | | | | | | | | |
| 7(13) | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 8200 |
| 4.8 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 4.2 | | 8/31/37-09/03/937 A | GL 3-5 | 4517 8437 |
| 3.8 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 3.7 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 3.0 | | 6/01/43-06/05/943 R | UMV 1-3 | 4641 9407 | 2.9 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 2.8 | | 6/02/98-06/06/898 A | UMV 1-3 | 4641 9428 | 1.4 | | 7/01/00-07/06/900 A | UMV 1-5 | 4457 8937 |
| 2.5 | | 7/13/16-07/17/916 A | UMV 1-16 | 4419 9428 | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 2.7 | | | | | | | | | |
| 11(0) | | | | | 12(2) | | 8/28/09-09/02/909 H | - | 3930 11050 |
| | | | | | 0.7 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| | | | | | 0.6 | | | | |
| 13(5) | | 8/31/38-09/04/938 R | MR 5-8 | 4025 10512 | 14(0) | | | | |
| 1.7 | | 8/30/38-09/04/938 A | - | 4023 10504 | | | | | |
| 1.0 | | 7/27/22-08/03/922 R | - | 3943 10533 | | | | | |
| 0.7 | | 6/01/43-06/05/943 R | - | 3913 10517 | | | | | |
| 0.7 | | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 0.7 | | | | | | | | | |
| 15(20) | | 6/07/53-06/07/953 H | MF 3-1 | 4315 9548 | 16(31) | | 6/09/05-06/10/905 A | UMV 2-5 | 4042 9148 |
| 4.4 | | 6/03/40-06/04/940 A | MR 3-18 | 4201 9653 | 5.8 | | 7/09/22-07/12/922 A | MR 2-29 | 4026 9425 |
| 4.2 | | 7/28/28-07/30/928 A | MR 1-23 | 4020 9541 | 4.1 | | 8/08/13-08/10/913 A | GL 3-2 | 4336 8554 |
| 4.1 | | 7/13/07-07/16/907 R | MR 4-3 | 4133 9832 | 3.8 | | 7/15/50-07/16/950 A | UMV 3-28 | 4252 9021 |
| 4.0 | | | | | 3.7 | | 7/11/15-07/16/915 A | MR 2-9 | 4021 9452 |
| 4.0 | | | | | | | | | |
| 17(8) | | 7/08/51-07/09/951 H | - | 4045 8849 | 18(1) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 5.3 | | 6/27/57-06/28/957 H | - | 3938 8742 | 3.6 | | 7/12/13-07/15/913 A | OR 3-7 | 4003 8213 |
| 4.4 | | 7/12/57-07/13/957 H | - | 4108 8753 | 3.3 | | 8/08/13-08/10/913 A | GL 3-2 | 4336 8554 |
| 3.7 | | 8/03/24-08/06/924 A | GL 2-22 | 4325 8811 | 2.0 | | 8/25/03-08/30/903 A | GL 1-9 | 4119 8152 |
| 3.0 | | 6/29/38-07/01/938 A | GL 3-11 | 4235 8802 | 1.9 | | 6/24/24-06/29/924 A | GL 1-20 | 4117 8236 |
| 19(16) | | 6/19/72-06/23/972 H | - | 4204 7810 | 20(13) | | 8/19/39-08/19/939 A | NA 2-3 | 3942 7416 |
| 3.8 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 7645 | 4.0 | | 8/12/75-08/20/951 A | NA 1-1 | 4004 7444 |
| 3.0 | | 7/06/35-07/10/935 A | NA 1-27 | 4250 7653 | 3.6 | | 8/26/71-08/28/971 H | NA 1-12 | 3936 7421 |
| 2.7 | | 8/21/15-08/22/915 A | SA 1-7 | 4045 7620 | 3.4 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 2.4 | | 8/03/98-08/05/898 A | SA 1-4 | 4048 7617 | 3.1 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 2.1 | | | | | | | | | |
| 21(0) | | | | | 22(0) | | | | |
| | | | | | | | | | |
| 23(1) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(12) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| 1.5 | | | | | 2.7 | | 8/29/42-08/01/942 A | SW 2-29 | 3456 10506 |
| | | | | | 1.9 | | 6/06/15-06/12/915 A | SW 1-14 | 3556 10505 |
| | | | | | 1.8 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| | | | | | 1.7 | | | | |
| | | | | | 0.8 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| 25(3) | | 6/13/65-06/20/965 H | - | 3772 10223 | 26(12) | | 6/01/04-06/05/904 A | SW 1-5 | 3451 9533 |
| 2.8 | | 6/02/32-06/06/932 A | SW 2-7A | 3828 10146 | 4.7 | | 7/12/27-07/15/927 A | SW 2-5 | 3412 9708 |
| 1.9 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10456 | 4.2 | | 8/12/46-08/16/946 A | SW 2-17 | 3821 9912 |
| 1.5 | | | | | 3.8 | | 6/02/32-06/06/932 A | SW 2-7 | 3530 9654 |
| | | | | | 3.6 | | 7/18/05-07/21/905 A | SW 1-7 | 3451 9533 |
| 27(19) | | 8/27/47-08/28/947 A | SW 3-7A | 3414 9420 | 28(6) | | 6/22/69-06/23/969 H | OR 5-5 | 3644 8613 |
| 4.2 | | 8/07/27-08/08/927 A | MR 3-12 | 3748 9349 | 4.5 | | 6/20/35-06/21/935 A | MR 7-28 | 3712 8842 |
| 3.8 | | 8/22/06-08/26/906 A | MR 1-21A | 3815 9327 | 3.7 | | 8/17/15-08/20/915 H | MR 5-9 | 3849 8957 |
| 3.7 | | 6/25/05-07/02/905 A | MR 1-16B | 3407 9303 | 2.2 | | 7/28/38-08/02/938 A | OR 5-9 | 3647 8835 |
| 3.6 | | 7/11/24-07/14/924 A | MR 3-3 | 3751 9442 | 1.9 | | | | |
| 3.6 | | | | | | | | | |
| 29(9) | | 7/13/16-07/17/916 A | SA 2-9 | 3553 8201 | 30(11) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 3.9 | | 8/23/08-08/28/908 A | SA 2-16 | 3626 8028 | 4.4 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 3.6 | | 8/09/28-08/13/928 A | SA 2-12 | 3601 8046 | 3.4 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 3.4 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 2.9 | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 3.2 | | 7/03/32-07/08/932 A | OR 3-20 | 3828 8105 | 2.3 | | 7/28/08-07/31/908 A | SA 5-23 | 3507 7703 |
| 3.1 | | | | | | | | | |
| 31(0) | | | | | 32(0) | | | | |
| | | | | | | | | | |
| 33(1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 34(5) | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| 1.5 | | | | | 5.8 | | 6/23/48-06/24/948 H | MR 3-1 | 2922 10037 |
| | | | | | 3.7 | | 7/19/38-07/25/938 A | GM 5-10 | 3046 10044 |
| | | | | | 2.8 | | 6/23/54-06/28/954 A | SH 3-22 | 3022 10123 |
| | | | | | 1.8 | | 8/07/16-08/08/916 A | SW 1-20 | 3258 10421 |
| 35(11) | | 6/27/36-07/04/936 A | GM 5-6 | 2924 9739 | 36(11) | | 6/13/86-06/17/886 A | LMV 4-27 | 3119 9233 |
| 8.1 | | 6/30/32-07/02/932 A | GM 5-1 | 3001 9907 | 6.4 | | 8/12/38-08/15/938 A | LMV 4-23 | 3020 9245 |
| 4.8 | | 8/26/45-08/29/945 A | GM 5-23 | 3002 9551 | 6.1 | | 6/30/40-07/02/940 A | LMV 4-25 | 3335 9403 |
| 4.6 | | 6/27/99-07/01/899 A | GM 3-4 | 3052 9632 | 4.8 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| 4.2 | | 8/30/32-09/05/932 A | GM 5-16A | 3144 9610 | 3.9 | | 7/22/33-07/27/933 A | LMV 2-26 | 3158 9400 |
| 4.2 | | | | | 3.8 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(5) | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 6.8 | | 6/01/28-06/05/928 A | LHV 2-18 | 3155 8745 | 4.7 | | 8/26/93-08/28/893 A | SA 2-1 | 3341 8012 |
| 3.6 | | 8/26/98-08/29/898 A | SA 3-5 | 3012 8543 | 3.7 | | 7/13/16-07/17/916 A | SA 2-9A | 3340 7949 |
| 2.8 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 3.5 | | 8/30/98-09/03/898 A | SA 3-6 | 3223 8042 |
| 2.8 | | | | | 2.8 | | | | |
| 2.5 | | | | | | | | | |
| 39(0) | | | | | 40(3) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 4.0 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 2.3 | | 6/12/34-06/16/934 A | SA 5-1 | 2821 8217 |

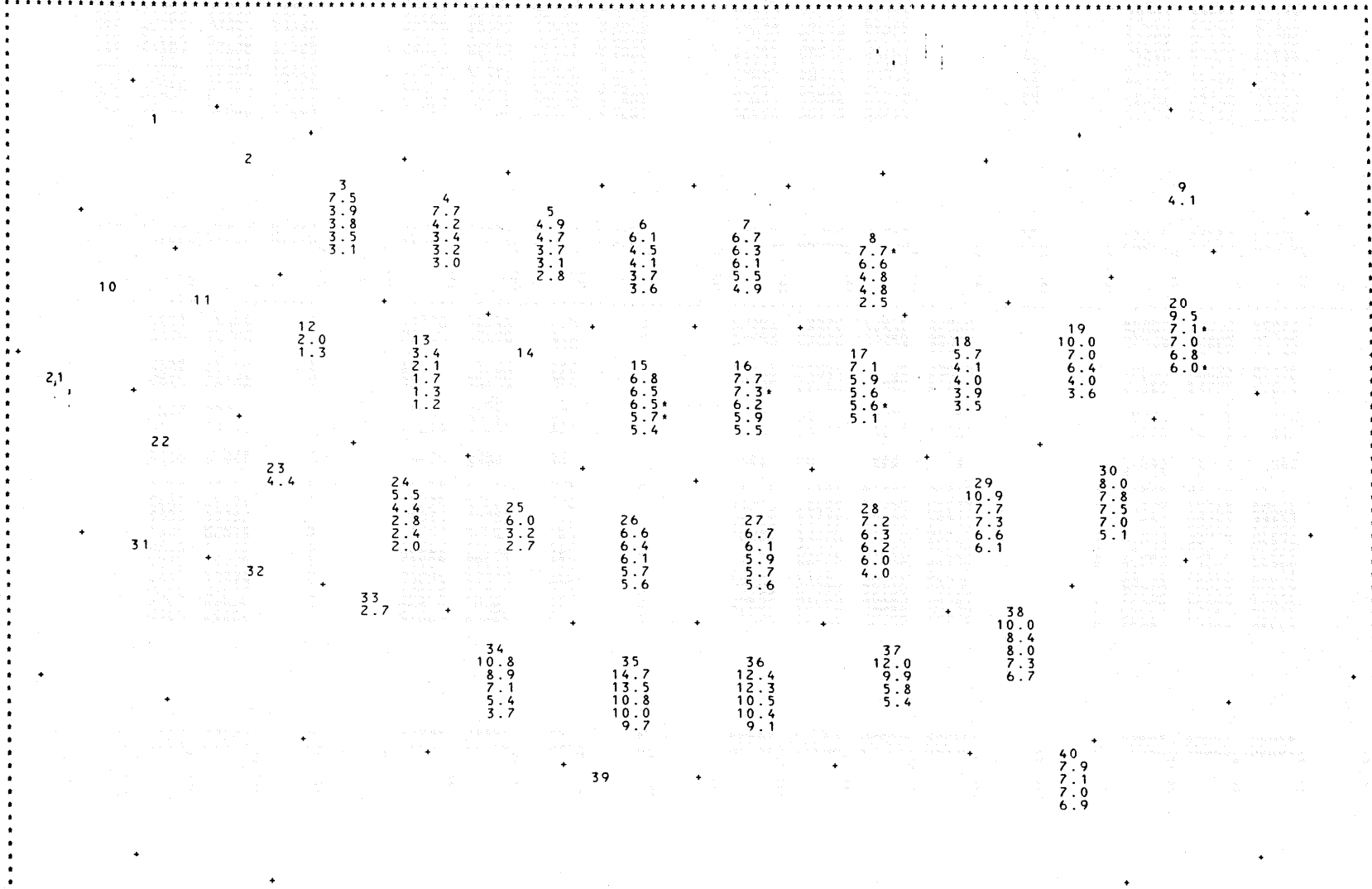
FIVE GREATEST OBSERVED 5000 SQUARE MILE- 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|-------------------|---------------------|-------------------------|-------------------|---------|-------------------|---------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(7) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 10535 |
| 2.4 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 6.2 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 2.3 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 3.0 | | 6/14/44-06/18/944 R | MR 5-1 | 4726 10814 |
| 2.3 | | 6/01/53-06/04/953 H | - | 4725 11050 | 3.0 | | 6/11/37-06/13/957 A | MR 5-29 | 4730 10534 |
| 2.1 | | 6/19/16-06/22/916 R | - | 4728 11146 | 2.2 | | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 5(6) | | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 5(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 4.4 | | 6/03/46-06/07/940 A | - | 4900 10233 | 5.9 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 3.1 | | 6/26/44-06/27/944 R | - | 4847 10433 | 3.6 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9535 |
| 2.6 | | 8/10/42-08/13/947 H | UMV 1-18 | 4820 10140 | 2.9 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 2.6 | | 7/03/28-07/08/928 A | UMV 1-18 | 4456 10411 | 2.4 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9555 |
| 1.6 | | 6/02/44-06/05/944 R | - | | | | | | |
| 7(13) | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 8(5) | | 7/04/69-07/05/969 H | - | 4400 8200 |
| 5.9 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 6.6 | | 7/19/12-07/24/912 A | GL 2- 9 | 4511 8941 |
| 5.2 | | 7/23/97-07/27/897 A | GL 4- 5 | 4800 9030 | 4.2 | | 8/31/37-09/03/957 A | UMV 3- 5 | 4317 8437 |
| 4.6 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 3.5 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 3.9 | | 7/24/92-07/28/892 A | UMV 1- 1 | 4504 9318 | 2.2 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 3.8 | | | | | 12(2) | | 8/28/09-09/02/909 H | - | 3930 11050 |
| 11(0) | | | | | 0.9 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(5) | | 8/31/38-09/04/938 R | MR 5- 8 | 4025 10512 | 14(0) | | | | |
| 2.8 | | 8/30/38-09/04/938 A | MR 5- 8 | 4025 10512 | 16(31) | | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 9148 |
| 1.6 | | 6/01/43-06/03/928 A | - | 3953 10720 | 7.3 | | 8/24/03-08/28/903 A | UMV 2-10 | 4057 9335 |
| 1.0 | | 7/19/29-07/24/929 R | - | 3913 10517 | 5.1 | | 6/28/33-06/29/933 A | UMV 2-15 | 4022 9201 |
| 0.9 | | 7/27/22-08/03/922 R | - | 3943 10533 | 5.1 | | 7/15/30-07/16/950 A | UMV 3-28 | 4252 9621 |
| 15(20) | | 6/07/53-06/07/953 H | - | 4315 9548 | 4.8 | | 7/09/22-07/12/922 A | MR 2-29 | 4029 9425 |
| 5.9 | | 6/03/46-06/07/940 A | MR 4- 5 | 4201 9653 | 18(8) | | 8/06/35-08/07/935 A | DR 9-11 | 4016 8152 |
| 5.0 | | 6/23/91-06/27/891 A | MR 4- 2 | 4252 9530 | 5.7 | | 7/12/13-07/15/913 A | DR 3- 7 | 4003 8213 |
| 4.7 | | 7/13/07-07/16/907 A | MR 1-23 | 4020 9541 | 3.2 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 8354 |
| 4.7 | | 7/22/11-07/23/911 R | - | 4022 9654 | 3.1 | | 8/25/03-08/30/903 A | GL 1- 9 | 4119 8132 |
| 17(8) | | 6/27/57-06/28/957 H | - | 3938 8742 | 2.7 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 8234 |
| 5.9 | | 7/08/51-07/09/951 H | - | 4045 8849 | 20(13) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 5.0 | | 7/12/57-07/13/957 H | - | 4108 8753 | 6.2 | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 4.9 | | 6/29/38-07/01/938 A | GL 3-11 | 4233 8802 | 5.6 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 4.3 | | 8/03/24-08/06/924 A | GL 2-22 | 4325 8811 | 5.4 | | 8/13/15-08/14/919 A | NA 1-12 | 3936 7421 |
| 19(16) | | 6/19/72-06/23/972 H | - | 4204 7810 | 4.4 | | 7/12/97-07/14/897 A | NA 1- 6 | 4139 7233 |
| 6.8 | | 8/20/35-08/24/935 A | NA 1-24B | 3955 7645 | 22(0) | | | | |
| 5.6 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 7633 | 24(12) | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| 4.8 | | 8/03/98-08/05/898 A | SA 1- 4 | 4048 7617 | 3.6 | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| 3.2 | | 7/01/90-07/05/890 H | - | 4334 7526 | 2.6 | | 6/06/13-06/12/913 A | SW 1-14 | 3556 10505 |
| 21(0) | | | | | 1.2 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| 23(1) | | 8/26/51-08/30/951 H | - | 3407 11221 | 1.2 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| 2.6 | | | | | 26(12) | | 6/01/04-06/05/904 A | SW 1- 5 | 3451 9533 |
| 25(3) | | 6/13/65-06/20/965 H | - | 3743 10223 | 5.7 | | 7/12/27-07/15/927 A | SW 2- 5 | 3412 9708 |
| 3.4 | | 6/02/36-06/06/932 A | SW 2- 7A | 3828 10140 | 5.6 | | 6/04/16-06/06/916 A | MR 2-12 | 3653 9703 |
| 3.5 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10456 | 4.6 | | 6/03/23-06/11/923 A | SW 1-25 | 3738 9716 |
| 2.1 | | | | | 4.6 | | 8/15/32-08/17/932 A | SW 2- 8 | 3624 9754 |
| 27(19) | | 6/14/57-06/15/957 H | - | 3837 9024 | 28(6) | | 6/22/69-06/23/969 H | - | 3644 8613 |
| 6.1 | | 6/28/05-07/02/905 A | MR 1-16B | 3407 9303 | 6.8 | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 8959 |
| 5.0 | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 9420 | 4.6 | | 6/20/35-06/21/935 A | DR 5- 5 | 3712 8712 |
| 4.9 | | 8/25/19-08/29/919 A | SW 2-22 | 3846 9344 | 5.1 | | 8/17/15-08/20/915 H | MR 5- 9 | 3849 8957 |
| 4.9 | | 6/10/38-06/11/938 A | UMV 3-17 | 3813 9023 | 2.8 | | 7/28/38-08/02/938 A | DR 5- 9 | 3647 8835 |
| 29(9) | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 30(11) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 7.4 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 7.5 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 5.3 | | 8/09/28-08/13/928 A | SA 2-12 | 3601 8046 | 5.3 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 5.0 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 8023 | 4.9 | | 8/10/40-08/17/940 A | SA 5-15A | 3703 7830 |
| 4.7 | | 6/30/40-06/31/940 H | - | 3500 8306 | 3.4 | | 7/28/08-07/31/908 A | SA 3-23 | 3507 7705 |
| 4.4 | | | | | 32(0) | | | | |
| 31(0) | | | | | 34(5) | | 6/23/48-06/24/948 H | - | 2922 10037 |
| 33(1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 8.0 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| 1.9 | | | | | 6.6 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 10123 |
| 35(11) | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 9739 | 4.4 | | 7/19/38-07/25/938 A | GM 1- 0 | 3046 10044 |
| 9.1 | | 6/27/99-07/01/899 A | GM 3- 4 | 3052 9632 | 2.6 | | 8/07/16-08/08/916 A | SW 1-20 | 3238 10421 |
| 7.8 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 9701 | 36(11) | | 6/13/86-06/17/886 A | LNV 4-27 | 3119 9233 |
| 7.1 | | 6/05/43-06/07/943 A | SW 3- 3 | 3240 9736 | 6.9 | | 8/12/38-08/15/938 A | LNV 4-23 | 3020 9245 |
| 6.8 | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 9907 | 6.8 | | 7/22/33-07/27/933 A | LNV 2-26 | 3158 9400 |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 6.1 | | 8/06/40-08/09/940 A | LNV 4- 2 | 2945 9219 |
| 9.7 | | 6/01/28-06/05/928 A | LNV 2-18 | 3155 8745 | 38(5) | | 7/13/16-07/17/916 A | SA 2- 9A | 3340 7949 |
| 6.4 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 6.9 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8012 |
| 4.2 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 6.7 | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 4.1 | | | | | 5.1 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 8042 |
| 39(0) | | | | | 5.4 | | 7/27/87-07/31/887 A | SA 3- 1 | 3337 8304 |
| | | | | | 40(3) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 5.2 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 4.7 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 4.5 | | | | |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

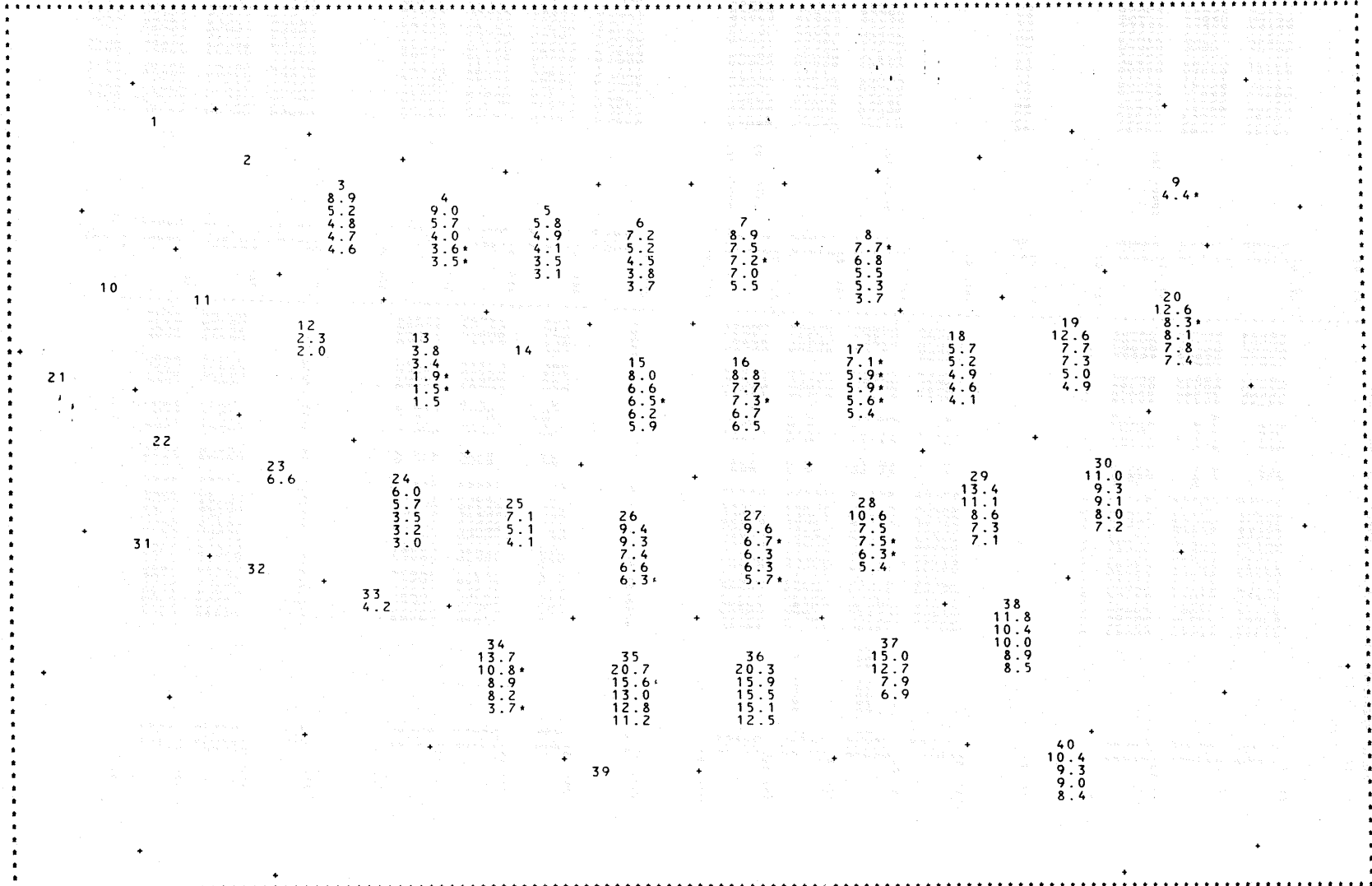


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|-------------------|---------------------|-------------------------|-------------------|---------|-------------------|---------------------|-------------------------|-------------------|
| 1(0) | | | | | 2(0) | | | | |
| 3(7) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 10535 |
| 3.9 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 7.7 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 3.8 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 4.2 | | 6/14/44-06/18/944 R | - | 4732 10814 |
| 3.5 | | 6/01/53-06/04/953 H | - | 4725 11050 | 3.4 | | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 3.1 | | 6/19/16-06/22/916 R | - | 4728 11146 | 3.2 | | 6/11/37-06/13/937 A | MR 5-29 | 4730 10534 |
| | | | | | 3.0 | | | | |
| 5(6) | | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 4.9 | | 6/26/44-06/27/944 R | - | 4900 10233 | 6.1 | | 7/18/07-07/22/897 A | UMV 1-2 | 4747 9255 |
| 4.7 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 10140 | 4.5 | | 7/01/01-07/06/901 A | UMV 1-8 | 4822 9620 |
| 3.7 | | 8/10/47-08/13/947 H | - | 4847 10433 | 4.1 | | 7/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 3.1 | | 6/02/44-06/05/944 R | - | 4456 10411 | 3.7 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9555 |
| 2.8 | | | | | 3.6 | | | | |
| 7(13) | | 7/25/97-07/27/897 A | GL 4-5 | 4600 9030 | 8(5) | 5000- 18) | 7/04/69-07/05/969 H | - | 4400 8200 |
| 6.7 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 7.7 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 6.3 | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 6.6 | | 8/31/37-09/03/937 A | GL 3-5 | 4517 8437 |
| 6.1 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 4.8 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 5.3 | | 6/11/99-06/13/899 A | UMV 1-4A | 4410 9149 | 4.8 | | 7/01/00-07/06/900 A | UMV 1-5 | 4457 8937 |
| 4.9 | | | | | 2.5 | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 4.1 | | | | | | | | | |
| 11(0) | | | | | 12(2) | | 8/28/09-09/02/909 H | - | 3930 11050 |
| | | | | | 2.0 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| | | | | | 1.3 | | | | |
| 13(5) | | 8/31/38-09/04/938 R | MR - | 4025 10512 | 14(0) | | | | |
| 3.4 | | 8/30/38-09/04/938 A | MR 5-8 | 4023 10504 | | | | | |
| 2.1 | | 6/01/43-06/03/943 R | - | 3933 10720 | | | | | |
| 1.7 | | 7/27/22-08/03/922 R | - | 3945 10533 | | | | | |
| 1.7 | | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 1.2 | | | | | | | | | |
| 15(20) | | 7/14/00-07/17/900 A | MR 1-5 | 4305 9538 | 16(31) | | 8/24/03-08/28/903 A | MR 1-10 | 4057 9335 |
| 6.8 | | 6/23/91-06/27/891 A | MR 4-2 | 4252 9530 | 7.7 | 5000- 12) | 6/05/01-06/10/905 A | UMV 2-3 | 4042 9148 |
| 6.5 | 5000- 20) | 6/07/53-06/07/953 H | GL 2-12 | 4313 9548 | 7.3 | | 6/28/33-06/29/933 A | UMV 2-15 | 4022 9201 |
| 6.7 | 5000- 20) | 6/03/40-06/04/940 A | MR 4-5 | 4201 9653 | 5.9 | | 6/12/30-06/15/930 A | UMV 2-14 | 4117 9141 |
| 5.4 | | 7/13/07-07/16/907 A | MR 1-23 | 4202 9541 | 5.5 | | 6/04/09-07/07/909 A | UMV 2-8 | 4015 9402 |
| | | | | | | | | | |
| 17(8) | | 6/27/57-06/28/957 H | - | 3938 8742 | 18(8) | | 8/06/35-08/07/935 A | DR 9-11 | 4016 8152 |
| 7.1 | | 7/12/57-07/13/957 H | - | 4108 8753 | 5.7 | | 7/25/75-08/03/875 A | DR 4-1 | 4039 8339 |
| 5.9 | | 7/08/51-07/09/951 H | GL 3-11 | 4235 8802 | 4.1 | | 8/25/03-08/30/903 A | GL 1-9 | 4109 8152 |
| 5.6 | 5000- 12) | 8/03/24-08/06/924 A | GL 2-22 | 4325 8811 | 4.0 | | 7/12/15-07/15/913 A | DR 3-7 | 4003 8213 |
| 5.6 | | | | | 3.9 | | 7/18/19-07/21/919 A | GL 4-15 | 4034 8234 |
| 5.1 | | | | | 3.5 | | | | |
| 19(16) | | 6/19/72-06/23/972 H | - | 4204 7810 | 20(13) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 10.0 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 7645 | 9.5 | 5000- 18) | 8/19/39-08/19/939 A | NA 2-3 | 3942 7416 |
| 7.0 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 7653 | 7.1 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 6.4 | | 6/26/38-06/28/938 A | SA 1-14 | 3928 7540 | 7.0 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 4.0 | | 7/01/90-07/05/890 H | - | 4334 7526 | 6.8 | 5000- 18) | 8/26/71-08/28/971 H | - | 4004 7440 |
| 3.6 | | | | | 6.0 | | | | |
| 21(0) | | | | | 22(0) | | | | |
| | | | | | | | | | |
| 23(1) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(12) | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| 4.4 | | | | | 5 | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| | | | | | 4.4 | | 6/06/13-06/12/913 A | SW 1-14 | 3556 10505 |
| | | | | | 2.8 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| | | | | | 2.4 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| | | | | | 2.0 | | | | |
| 25(3) | | 6/13/65-06/20/965 H | SW 2-7A | 3743 10223 | 26(12) | | 7/12/27-07/15/927 A | SW 2-5 | 3412 9708 |
| 6.0 | | 6/02/32-06/06/932 A | SW 2-27 | 3828 10146 | 6.6 | | 6/01/04-06/05/904 A | SW 2-5 | 3451 9533 |
| 3.2 | | 8/06/29-08/11/924 A | SW 2-27 | 3549 10456 | 6.4 | | 6/04/16-06/06/916 A | MR 2-12 | 3653 9703 |
| 2.7 | | | | | 6.1 | | 8/15/32-08/17/932 A | SW 2-8 | 3624 9754 |
| | | | | | 5.7 | | 7/18/05-07/21/905 A | SW 1-7 | 3451 9533 |
| | | | | | 5.6 | | | | |
| 27(19) | | 6/14/57-06/15/957 H | MR 2-22 | 3837 9024 | 28(6) | | 6/22/69-06/23/969 H | - | 3644 8613 |
| 6.7 | | 8/25/19-08/29/919 A | MR 7-2A | 3846 9344 | 7.2 | | 8/17/15-08/20/915 H | - | 3849 8957 |
| 6.1 | | 8/12/46-08/15/946 A | MR 7-2A | 3840 9313 | 6.5 | | 6/20/35-06/21/935 A | OR 5-5 | 3712 8712 |
| 5.9 | | 8/27/47-08/28/947 A | SW 3-7A | 3414 9620 | 6.2 | | 8/12/46-08/16/946 A | MR 7-2B | 3840 8959 |
| 5.7 | | 7/18/05-07/21/905 A | SW 1-7A | 3723 9357 | 6.0 | | 7/28/38-08/02/938 A | OR 5-9 | 3647 8835 |
| 5.6 | | | | | 4.0 | | | | |
| 29(11) | | 7/13/16-07/17/916 A | SA 2-9 | 3553 8201 | 30(11) | | 8/19/69-08/20/969 A | NA 2-23 | 3749 7900 |
| 10.9 | | 8/23/08-08/28/908 A | SA 2-6 | 3626 8028 | 8.0 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 7.7 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 7.8 | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7803 |
| 7.3 | | 8/30/40-08/31/940 H | - | 3590 8306 | 7.5 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 6.6 | | 6/28/28-06/30/928 A | DR 7-10 | 3606 8408 | 7.0 | | 8/03/94-08/06/894 A | SA 2-2 | 3542 7732 |
| 6.1 | | | | | 5.1 | | | | |
| 31(0) | | | | | 32(0) | | | | |
| | | | | | | | | | |
| 33(1) | | 7/21/05-07/25/905 A | GH 3-13 | 3256 10517 | 34(5) | | 6/23/48-06/24/948 H | - | 2922 10037 |
| 2.7 | | | | | 10.8 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 10123 |
| | | | | | 8.9 | | 8/04/06-08/06/906 A | GH 3-14 | 3117 10048 |
| | | | | | 7.1 | | 7/19/38-07/25/938 A | GH 5-10 | 3046 10044 |
| | | | | | 3.9 | | 8/07/16-08/08/916 A | SW 1-20 | 3238 10421 |
| | | | | | 3.7 | | | | |
| 35(11) | | 6/27/99-07/01/899 A | GH 3-4 | 3052 9632 | 36(11) | | 6/13/86-06/17/886 A | LMV 4-27 | 3119 9233 |
| 14.7 | | 6/30/32-07/02/932 A | GH 5-1 | 3001 9907 | 12.4 | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 9210 |
| 13.5 | | 8/26/45-08/29/945 A | GH 5-23 | 3002 9551 | 12.3 | | 7/22/33-07/27/933 A | LMV 2-26 | 3158 9400 |
| 10.8 | | 6/27/36-07/04/936 A | GH 5-6 | 2924 9739 | 10.5 | | 7/27/43-07/29/943 A | GH 5-21 | 3002 9635 |
| 10.0 | | 6/28/40-06/30/940 A | GH 5-11 | 2941 9701 | 10.4 | | 8/23/26-08/26/926 A | LMV 4-5 | 3006 9058 |
| 9.7 | | | | | 9.1 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GH 1-19 | 3049 8619 | 38(5) | | 7/13/16-07/17/916 A | SA 2-9A | 3340 7949 |
| 12.0 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 8745 | 10.0 | | 8/26/93-08/28/893 A | SA 2-1 | 3341 8012 |
| 6.9 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 8.4 | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 5.8 | | 8/26/98-08/29/898 A | SA 3-5 | 3012 8543 | 8.0 | | 8/30/98-09/03/898 A | SA 3-6 | 3223 8042 |
| 5.4 | | | | | 7.3 | | 7/27/87-07/31/887 A | SA 3-1 | 3337 8304 |
| | | | | | 6.7 | | | | |
| 39(0) | | | | | 40(4) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 7.9 | | 6/29/09-07/03/909 H | - | 2808 8247 |
| | | | | | 7.1 | | 6/12/34-06/16/934 A | SA 5-1 | 2821 8217 |
| | | | | | 7.0 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 6.9 | | | | |

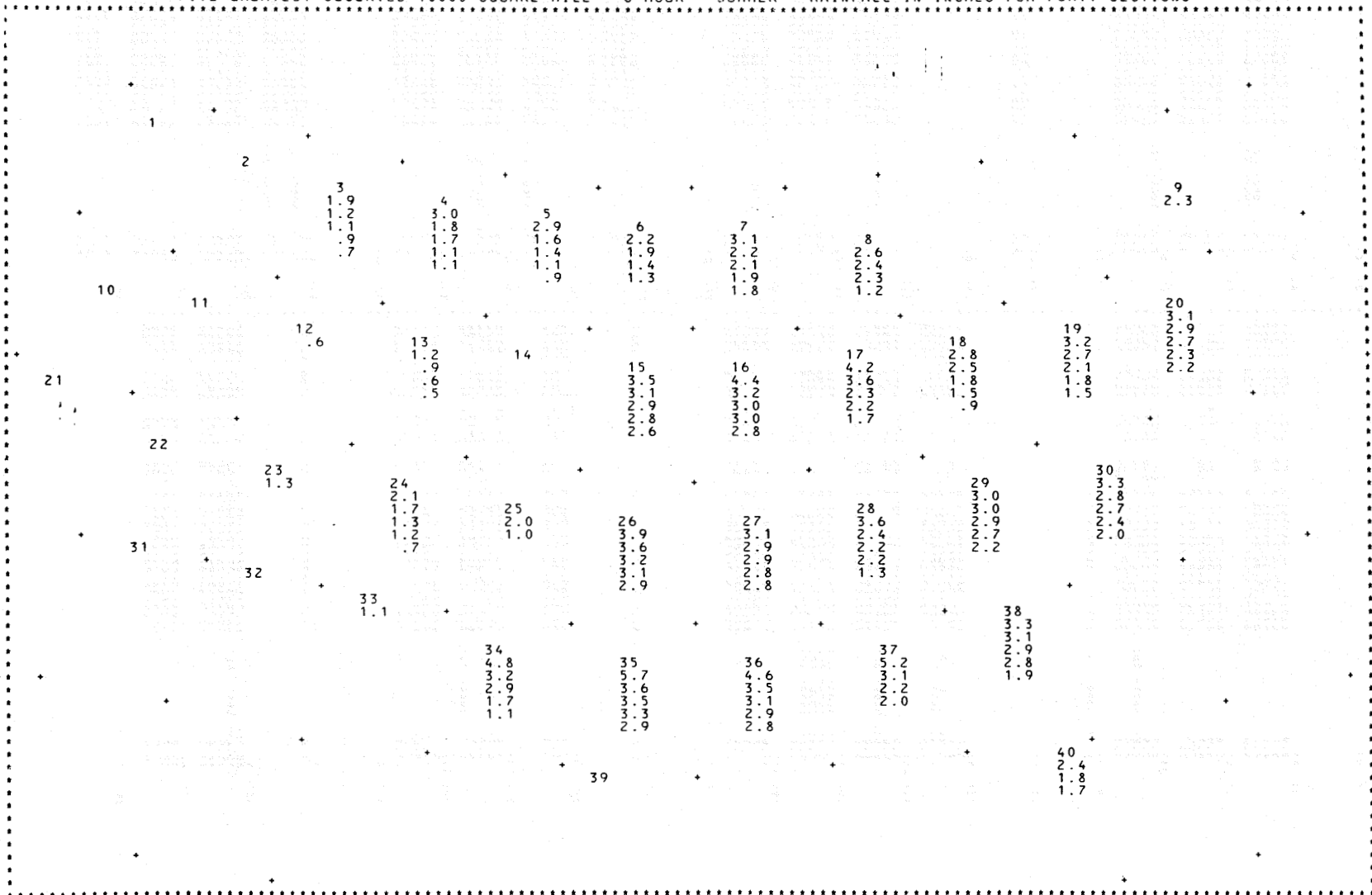
FIVE GREATEST OBSERVED 5000 SQUARE MILE- 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|------------------|---------------------|-------------------------|-------------------|---------|------------------|---------------------|-------------------------|-------------------|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(7) | | 6/06/64-06/08/964 A | MP 2-23 | 4726 11241 | 4(9) | | 6/17/21-06/21/921 A | HR 4-21 | 4718 10535 |
| 5.2 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 9.0 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 4.8 | | 6/01/53-06/04/953 H | - | 4725 11050 | 4.0 | | 6/14/44-06/18/944 R | - | 4722 10814 |
| 4.7 | | 6/03/08-06/06/908 A | MR 5-15 | 4711 11108 | 3.6(| 5000- 42) | 7/14/18-07/15/918 A | MR 5-23 | 4650 10905 |
| 4.6 | | 6/19/16-06/22/916 R | - | 4728 11146 | 3.5(| 5000- 30) | 6/07/10-06/08/910 A | MR 5-17 | 4639 10918 |
| 5(6) | | 6/26/44-06/27/944 R | - | 4900 10233 | 6(5) | | 7/18/09-07/23/909 A | UMV 1-11A | 4721 9548 |
| 5.8 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 7.2 | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9555 |
| 4.9 | | 6/02/44-06/05/944 R | UMV 1-18 | 4820 10140 | 5.2 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 4.1 | | 8/10/47-08/13/947 H | - | 4847 10433 | 4.5 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9555 |
| 3.5 | | | | | 3.8 | | 7/04/69-07/05/969 H | HR 4-16 | 4730 9719 |
| 3.1 | | | | | 3.7 | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 7(13) | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 8(5) | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 8437 |
| 8.9 | | 7/18/00-07/23/909 A | UMV 5-11 | 4627 9011 | 7.7(| 5000- 18) | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 7.2(| 5000- 36) | 7/25/97-07/27/897 A | GL 4- 5 | 4600 9030 | 6.8 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 7.0 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 5.5 | | | | |
| 5.5 | | 7/11/37-07/16/937 A | UMV 1-20 | 4843 9436 | 5.3 | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 4.4(| 5000- 36) | | | | | | | | |
| 11(0) | | | | | 12(2) | | 8/28/09-09/02/909 H | - | 3930 11050 |
| | | | | | 2.3 | | 6/08/47-06/12/947 H | - | 4109 11155 |
| | | | | | 2.0 | | | | |
| 13(5) | | 8/31/38-09/04/938 R | MR 5- 8 | 4025 10512 | 14(0) | | | | |
| 3.4 | | 8/30/38-09/04/938 A | - | 4023 10504 | | | | | |
| 1.9(| 5000- 42) | 6/01/43-06/03/943 R | - | 3933 10720 | | | | | |
| 1.5(| 5000- 36) | 7/27/22-08/03/922 R | - | 3945 10535 | | | | | |
| 1.5 | | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 15(20) | | 7/14/00-07/17/900 A | MR 1- 5 | 4305 9538 | 16(31) | | 8/24/03-08/28/903 A | MR 1-10 | 4057 9335 |
| 8.0 | | 6/23/91-06/27/891 A | MR 4- 2 | 4252 9530 | 8.8 | | 7/04/09-07/07/909 A | UMV 2- 8 | 4015 9402 |
| 6.6 | | 6/07/53-06/07/953 H | MR 3- 8 | 4315 9548 | 7.7 | | 6/09/05-06/10/905 A | UMV 2-29 | 4029 9425 |
| 6.5(| 5000- 20) | 8/31/26-09/05/926 A | MR 1-23 | 4020 9541 | 7.3(| 5000- 12) | 6/08/15-08/10/913 A | GL 3- 2 | 4336 8354 |
| 6.5 | | | | | 6.5 | | 6/12/30-06/15/930 A | UMV 2-14 | 4117 9141 |
| 6.9 | | | | | | | | | |
| 5.9 | | | | | | | | | |
| 17(8) | | 6/27/57-06/28/957 H | - | 3938 8742 | 18(8) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 7.1(| 5000- 24) | 7/12/57-07/13/957 H | - | 4108 8753 | 5.7 | | 7/25/75-08/03/875 A | OR 4- 1 | 4039 8339 |
| 5.9(| 5000- 24) | 6/29/38-07/01/938 A | GL 3-11 | 4235 8802 | 5.2 | | 8/11/55-08/15/955 A | GL 3- 2 | 4336 8354 |
| 5.9(| 5000- 42) | 7/08/51-07/09/951 H | GL 2-22 | 4325 8811 | 4.9 | | 8/23/03-08/30/903 A | GL 1- 9 | 4119 8152 |
| 5.6(| 5000- 12) | | | | 4.6 | | 7/12/13-07/15/913 A | OR 3- 7 | 4003 8213 |
| 5.4 | | | | | 4.1 | | | | |
| 19(16) | | 6/19/72-06/23/972 H | - | 4204 7810 | 20(13) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 12.6 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 7653 | 12.6 | | 8/26/71-08/28/971 H | NA 2-21A | 4004 7440 |
| 7.7 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 7645 | 8.3(| 5000- 30) | 8/11/55-08/15/955 A | NA 2- 8 | 4201 7425 |
| 7.3 | | 8/03/98-08/05/998 A | SA 1- 4 | 4048 7617 | 8.1 | | 8/20/35-08/24/933 A | NA 1-24 | 4156 7423 |
| 5.0 | | | | | 7.8 | | 7/12/97-07/14/897 A | NA 1- 6 | 4139 7253 |
| 4.9 | | 6/26/38-06/28/938 A | SA 1-14 | 3928 7540 | 7.4 | | | | |
| 21(0) | | | | | 22(0) | | | | |
| | | | | | | | | | |
| 23(1) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(12) | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| 6.6 | | | | | 6.0 | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| | | | | | 5.7 | | 6/06/13-06/12/913 A | SW 1-14 | 3536 10505 |
| | | | | | 3.2 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| | | | | | 3.0 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| 25(3) | | 6/13/65-06/20/965 H | - | 3743 10223 | 26(12) | | 7/09/51-07/13/951 A | SA 1- 5 | 3451 9533 |
| 7.1 | | 6/02/32-06/06/932 A | SW 2- 7A | 3828 10146 | 9.4 | | 7/12/22-07/15/927 A | MR 10- 2 | 3840 9630 |
| 5.1 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10456 | 7.4 | | 8/15/32-08/17/932 A | MR 2- 5 | 3612 9798 |
| 4.1 | | | | | 6.6 | | 6/04/16-06/06/916 A | MR 2-12 | 3653 9703 |
| 27(19) | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 9313 | 28(6) | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 8959 |
| 9.6 | | 6/14/57-06/15/957 H | - | 3837 9024 | 10.6 | | 8/17/15-08/20/915 H | - | 3849 8957 |
| 6.7(| 5000- 24) | 8/25/19-08/29/919 A | MR 2-22 | 3846 9344 | 7.5(| 5000- 30) | 6/22/69-06/23/969 H | OR 5- 5 | 3644 8613 |
| 6.3 | | 6/12/35-06/18/935 A | SW 2-13 | 4046 9406 | 7.3(| 5000- 42) | 7/28/38-08/02/938 A | OR 5- 9 | 3647 8835 |
| 6.3 | | 8/27/47-08/28/947 A | SW 3- 7A | 3414 9420 | 5.4 | | | | |
| 5.7(| 5000- 24) | | | | | | | | |
| 29(11) | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 30(11) | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 13.4 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 8028 | 11.0 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 11.1 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8238 | 9.3 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 7651 |
| 8.6 | | 7/06/96-07/08/896 A | SA 3- 4 | 3411 8209 | 9.0 | | 8/19/69-08/20/969 A | NA 1-23 | 3749 7900 |
| 7.3 | | | | | 7.2 | | 8/03/94-08/06/894 A | SA 2- 2 | 3542 7732 |
| 7.1 | | | | | | | | | |
| 31(0) | | | | | 32(0) | | | | |
| | | | | | | | | | |
| 33(1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 34(5) | | 6/23/54-06/28/954 A | GM 3-22 | 3022 10123 |
| 4.2 | | | | | 13.7 | | 6/23/48-06/24/948 H | GM 5-10 | 2922 10037 |
| | | | | | 10.8(| 5000- 24) | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| | | | | | 8.0 | | 8/07/16-08/08/916 A | GM 1-20 | 3238 10421 |
| | | | | | 3.7(| 5000- 24) | | | |
| 35(11) | | 6/27/99-07/01/899 A | GM 3- 4 | 3052 9632 | 36(11) | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 9210 |
| 20.7 | | 6/30/32-07/02/932 A | GM 5- 1 | 3031 9907 | 20.3 | | 6/13/86-06/17/886 A | LMV 4-27 | 3119 9233 |
| 15.6(| 5000- 42) | 8/28/40-08/30/940 A | GM 5-11 | 2941 9701 | 15.9 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| 13.0 | | 8/26/45-08/29/945 A | GM 5-23 | 3002 9551 | 15.1 | | 8/16/15-08/21/915 A | LMV 1-10 | 3131 9407 |
| 12.8 | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 9739 | 12.5 | | | | |
| 11.2 | | | | | | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(5) | | 7/13/14-07/17/916 A | SA 3- 9A | 3340 7949 |
| 15.0 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 8745 | 11.8 | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 12.7 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8545 | 10.4 | | 7/27/88-07/31/887 A | SA 3- 1 | 3337 8774 |
| 7.9 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8502 | 10.0 | | 8/30/98-09/03/898 A | SA 3- 6 | 3225 8062 |
| 6.9 | | | | | 8.9 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8012 |
| | | | | | 8.5 | | | | |
| 39(0) | | | | | 40(4) | | 6/29/09-07/02/909 H | - | 2808 8247 |
| | | | | | 10.4 | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 9.3 | | 6/12/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 9.0 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 8.4 | | | | |

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 6 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



• AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

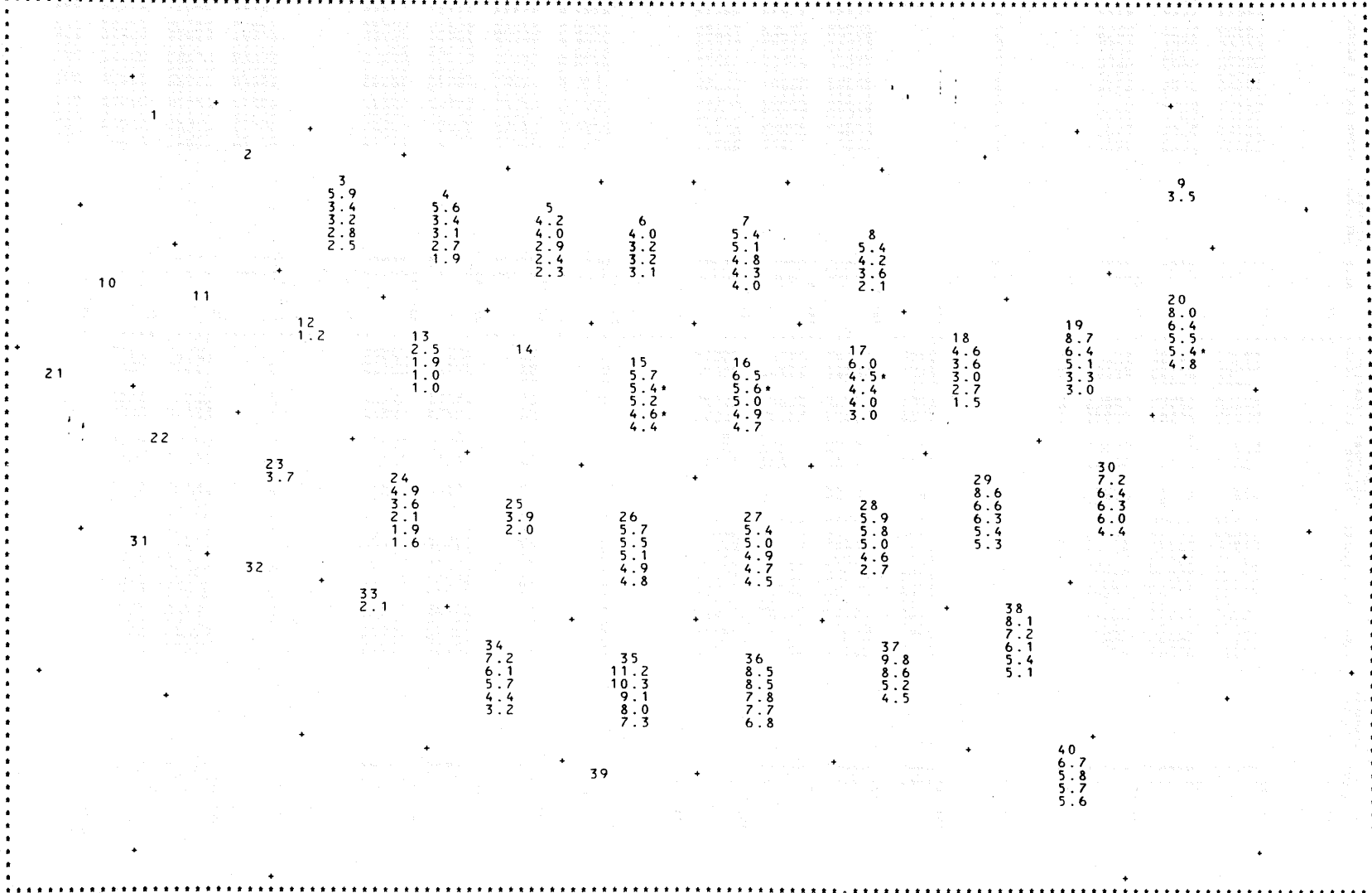
no heading this page 10000-101-6-60 summer

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|---------------------------------|---|--|--|---------|---------------------------------|---|---|--|
| 1(0) | | | | | 2(0) | | | | |
| 3(6) | 1.9 1.2 1.1 0.9 0.7 | 6/06/64-06/08/964 A 6/21/07-06/23/907 A 6/05/08-06/06/908 A 6/19/16-06/22/916 R 6/29/98-07/01/898 A | WP 2-23 MR 5-14 MR 3-15 MR 5-9 MR 5-9 | 4726 11241 4627 10210 4711 11108 4728 11146 4700 11140 | 4(5) | 3.0 1.9 1.7 1.1 1.1 | 6/17/21-06/21/921 A 6/16/44-06/18/964 R 6/06/06-06/08/906 A 6/11/37-06/13/937 A 6/16/23-06/21/923 A | MR 4-21 MR 5-13 MR 5-29 MR 5-25 | 4718 10535 4722 10814 4804 10939 4730 10514 4802 10843 |
| 5(6) | 2.9 1.6 1.4 1.1 0.9 | 6/25/14-06/28/914 A 6/26/44-06/27/944 R 7/05/28-07/08/928 A 8/10/47-08/13/947 H 6/02/44-06/05/944 R | MR 4-14A R 1-1 UMV 1-18 - - | 4629 10017 4627 10111 4820 10140 4847 10433 4456 10411 | 6(4) | 2.2 2.4 1.4 1.3 | 7/01/01-07/06/901 A 7/18/97-07/22/897 A 6/25/14-06/28/914 A 8/19/18-08/22/918 A | UMV 1-8 UMV 1-2 MR 4-14B MR 4-16 | 4822 9620 4747 9555 4535 9555 4730 9719 |
| 7(13) | 3.1 2.2 1.4 1.9 1.8 | 6/03/05-06/08/905 A 7/18/09-07/23/909 A 8/28/41-08/31/941 A 7/25/97-07/27/897 A 6/02/98-06/06/898 A | GL 2-12 UMV 1-11 UMV 1-22 GL 4-5 UMV 1-3 | 4508 9020 4627 9011 4600 9128 4600 9030 4641 9407 | 8(4) | 2.6 1.7 2.3 1.2 | 8/31/37-09/03/937 A 7/19/12-07/24/912 A 6/08/22-06/11/922 A 7/01/00-07/06/900 A | GL 3-5 GL 2-29 GL 2-21 UMV 1-5 | 4517 8437 4511 8941 4420 8812 4457 8937 |
| 9(1) | 2.3 | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 11(0) | | | | | 12(1) | 0.6 | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(4) | 1.2 0.6 0.6 0.5 | 8/31/38-09/04/938 R 8/30/38-09/04/938 A 7/19/29-07/24/929 R 7/27/22-08/03/922 R | - MR 5-8 - - | 4025 10512 4023 10504 3913 10517 3945 10533 | 14(0) | | | | |
| 15(17) | 3.5 3.1 2.9 2.8 2.6 | 6/07/53-06/07/953 H 6/03/40-06/04/940 A 7/28/28-07/30/928 A 7/22/11-07/23/911 R 7/15/07-07/16/907 A | - MR 4-5 MR 3-18 - MR 1-23 | 4315 9548 4201 9653 3901 9953 4222 9654 4020 9541 | 16(30) | 4.4 3.2 3.0 2.9 2.8 | 6/09/05-06/10/905 A 8/01/29-08/02/929 A 7/09/97-07/12/922 A 8/24/05-08/28/905 A 7/11/15-07/16/915 A | UMV 2-5 UMV 2-17 MR 2-29 MR 1-10 MR 2-9 | 4042 9148 4200 9234 4222 9425 4057 9355 4021 9452 |
| 17(7) | 4.2 3.6 2.3 2.3 1.7 | 7/08/51-07/09/951 H 6/27/57-06/28/957 H 6/29/38-07/01/938 A 7/22/11-07/23/911 R 8/01/42-08/02/942 A | - - GL 3-11 - UMV 2-20 | 4045 8849 3938 8742 4235 8802 4222 9654 4222 8905 | 18(5) | 2.8 2.5 1.8 1.5 0.9 | 8/06/35-08/07/935 A 7/12/13-07/15/913 A 8/20/35-08/24/935 A 7/25/75-08/03/875 A 7/04/04-07/10/904 A | OR 9-11 OR 3-7 OR 3-2 OR 4-1 OR 1-1 | 4016 8152 4003 8213 4156 8354 4039 8339 3957 8213 |
| 19(11) | 3.2 2.7 2.1 1.8 1.5 | 6/19/72-06/23/972 H 8/20/33-08/24/933 A 7/06/35-07/10/955 A 8/03/98-08/05/898 A 6/09/22-06/12/922 A | - NA 1-24B NA 1-27 SA 1-4 GL 1-19 | 4204 7810 3955 7645 4230 7653 4048 7617 4304 7616 | 20(11) | 3.1 2.9 2.7 2.3 2.2 | 8/17/55-08/20/955 A 8/19/39-08/19/939 A 8/20/35-08/24/935 A 8/13/19-08/14/919 A 7/12/97-07/14/897 A | NA 2-22A NA 2-5 NA 1-24 NA 1-12 NA 1-6 | 4207 7245 3942 7416 4156 7423 3936 7421 4139 7233 |
| 21(0) | | | | | 22(0) | | | | |
| 23(1) | 1.3 | 8/26/51-08/30/951 H | - | 3407 11221 | 24(9) | 2.1 1.3 1.2 0.7 | 6/02/21-06/06/921 A 8/29/43-09/01/942 A 6/06/15-06/12/913 A 7/19/15-07/28/915 A 6/26/27-06/29/927 R | SW 1-23 SW 2-29 SW 1-14 SW 1-18 R | 3827 10504 3456 10506 3556 10505 3446 10620 3730 10710 |
| 25(2) | 2.0 1.0 | 6/13/65-06/20/965 H 8/06/29-08/11/929 A | - SM 2-27 | 3743 10223 3549 10456 | 26(11) | 3.9 3.6 3.2 2.1 2.9 | 6/01/04-06/05/904 A 7/12/27-07/15/927 A 8/11/27-08/14/927 R 7/18/05-07/21/905 A 7/09/51-07/13/951 A | SM 1-5 SM 2-5 MR 3-13 MR 1-7 MR 10-2 | 3451 9533 3412 9708 2831 9912 3451 9535 3840 9630 |
| 27(17) | 3.1 2.9 2.9 2.8 2.8 | 8/07/27-08/08/927 A 8/22/06-08/26/906 A 7/18/05-07/21/905 A 8/12/46-08/05/946 A 8/27/47-08/28/947 A | MR 3-12 MR 1-21A SW 1-7A MR 7-2A SW 3-7A | 3748 9349 3815 9321 3723 9357 3840 9313 3414 9420 | 28(5) | 3.6 2.4 2.2 2.2 1.3 | 6/22/69-06/23/969 H 8/12/46-08/16/946 A 8/17/15-08/20/915 H 6/20/35-06/27/935 A 6/14/12-06/18/912 A | - MR 7-2B - OR 5-5 OR 8-16A | 3644 8613 3840 8959 3849 8957 3712 8712 3823 8822 |
| 29(9) | 3.0 3.0 2.9 2.7 2.2 | 8/23/08-08/28/908 A 7/13/16-07/17/916 A 8/09/28-08/13/928 A 8/13/28-08/17/928 A 7/03/32-07/08/932 A | SA 2-6 SA 2-9 SA 2-12 SA 2-13 OR 3-20 | 3626 8028 3553 8201 3601 8046 3507 8258 3828 8105 | 30(11) | 3.3 2.8 2.7 2.4 2.0 | 8/19/69-08/20/969 A 8/10/28-08/13/928 A 8/10/55-08/15/955 A 8/10/40-08/17/940 A 8/15/55-08/19/955 A | NA 2-23 NA 1-18 NA 2-18 SA 5-19A NA 2-22B | 3749 7900 3844 7651 3507 7703 3703 7830 3831 7826 |
| 31(0) | | | | | 32(0) | | | | |
| 33(1) | 1.1 | 7/21/05-07/25/905 A | GH 3-13 | 3256 10517 | 34(5) | 4.8 3.2 1.7 1.1 | 8/04/06-08/06/906 A 6/23/48-06/24/948 H 7/19/38-07/25/938 A 6/23/54-06/28/954 A 8/07/16-08/08/916 A | GH 3-14 H SM 5-10 SM 3-22 SM 1-20 | 3117 10048 2922 10037 3046 10044 3022 10123 3238 10421 |
| 35(11) | 5.7 5.6 5.4 5.1 2.9 | 6/27/36-07/04/936 A 6/30/32-07/02/932 A 6/27/99-07/01/899 A 8/26/45-08/29/945 A 6/05/43-06/07/943 A | GH 5-6 GH 5-1 GH 3-4 SM 5-23 SM 3-3 | 2924 9739 3001 9907 3052 9632 3002 9551 3240 9536 | 36(10) | 4.6 3.5 3.1 2.9 2.8 | 8/12/38-08/15/938 A 6/30/40-07/02/940 A 7/22/33-07/27/933 A 8/23/26-08/26/926 A 7/27/43-07/29/943 A | LHV 4-23 LHV 4-25 LHV 2-26 LHV 4-5 LHV 5-21 | 3020 9245 3353 9403 3158 9400 3006 9038 3002 9435 |
| 37(4) | 5.2 3.1 2.9 2.0 | 7/05/16-07/10/916 A 6/01/28-06/05/928 A 7/29/36-08/02/936 A 8/26/98-08/29/898 A | GH 1-19 LHV 2-18 SA 1-22 SA 3-5 | 3049 8619 3155 8745 3026 8302 3012 8543 | 38(5) | 3.3 3.1 2.9 2.8 1.9 | 8/28/11-08/31/911 A 8/26/93-08/28/893 A 7/27/87-07/31/887 A 7/13/16-07/17/916 A 8/30/98-09/03/898 A | SA 3-11 SA 2-1 SA 5-1 SA 2-9A SA 3-6 | 3030 8202 3341 8012 3337 8304 3340 7949 3223 8042 |
| 39(0) | | | | | 40(3) | 2.4 1.8 1.7 | 8/01/15-08/03/915 A 8/07/28-08/12/928 A 6/12/34-06/16/954 A | SA 4-15 SA 4-24 SA 5-1 | 2747 8238 2814 8117 2821 8217 |

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 12 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|---------------------------------|---|--|--|---------|---------------------------------|---|---|--|
| 1(0) | | | | | 2(0) | | | | |
| 3(7) | 3.6 2.1 2.0 1.9 1.5 | 6/06/64-06/08/964 A 6/03/08-06/06/908 A 6/21/07-06/23/907 A 6/01/53-06/04/953 H 6/19/16-06/22/916 R | NP 2-23 MR 5-15 MR 5-14 - - | 4726 11241 4711 11108 4749 11210 4725 11050 4728 11146 | 4(5) | 4.3 2.5 2.5 2.1 1.5 | 6/17/21-06/21/921 A 6/06/06-06/08/906 A 6/14/64-06/18/944 R 6/11/37-06/13/937 A 6/16/23-06/21/923 A | MR 4-21 MR 5-13 - MR 5-29 MR 5-25 | 4718 10535 4804 10939 4722 10814 4730 10534 4802 10843 |
| 5(6) | 3.6 2.8 1.9 1.7 1.4 | 6/25/14-06/28/914 A 6/26/44-06/27/944 R 8/10/47-08/13/947 H 7/05/28-07/08/928 A 6/02/44-06/05/944 R | MR 4-14A - - UMV 1-18 - | 4629 10017 4900 10233 4847 10433 4820 10140 4456 10411 | 6(4) | 3.0 2.6 2.5 2.0 | 7/18/97-07/22/897 A 7/01/01-07/03/901 A 8/19/18-08/23/918 A 6/25/14-06/28/914 A | UMV 1-2 UMV 1-8 MR 4-16 MR 4-14B | 4747 9555 4822 9620 4730 9719 4535 9555 |
| 7(13) | 3.8 3.8 3.8 3.3 2.9 | 7/25/97-07/27/897 A 6/03/05-06/08/905 A 5/28/41-08/31/941 A 7/18/09-07/23/909 A 7/24/92-07/28/892 A | GL 4-5 GL 2-12 UMV 1-22 UMV 1-11 UMV 1-1 | 4600 9030 4508 9020 4600 9128 4627 9011 4504 9318 | 8(4) | 3.4 3.0 2.9 1.8 | 7/19/12-07/24/912 A 8/31/37-09/03/937 A 6/08/22-06/11/922 A 7/01/00-07/06/900 A | GL 2-29 GL 3-5 GL 2-21 UMV 1-5 | 4511 8941 4517 8437 4420 8812 4457 8937 |
| 9(1) | 3.2 | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 11(0) | | | | | 12(1) | 0.8 | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(4) | 2.0 1.5 0.8 0.7 | 8/31/38-09/04/938 R 5/30/38-09/04/938 A 7/19/29-07/24/929 R 7/27/22-08/03/922 R | - MR 5-8 - - | 4025 10512 4023 10504 3913 10517 3945 10533 | 14(0) | | | | |
| 15(17) | 4.8 4.4 4.0 3.9 3.7 | 6/07/53-06/07/953 H 6/03/40-06/07/940 A 7/22/11-07/23/911 R 7/14/00-07/17/900 A 7/13/07-07/16/907 A | - MR 4-5 - MR 1-5 MR 1-23 | 4315 9548 4201 9653 4022 9654 4305 9538 4020 9541 | 16(30) | 5.2 5.2 3.8 3.8 3.7 | 6/09/05-06/10/905 A 8/24/03-08/28/903 A 6/28/33-06/29/933 A 7/15/50-07/16/950 A 6/12/30-06/15/930 A | UMV 2-5 MR 1-10 UMV 2-15 UMV 3-28 UMV 2-14 | 4042 9148 4057 9335 4022 9201 4252 9021 4117 9141 |
| 17(7) | 4.7 4.2 3.3 3.2 2.3 | 6/27/57-06/28/957 H 7/08/51-07/09/951 H 8/03/24-08/06/924 A 6/29/38-07/01/938 A 8/01/42-08/02/942 A | - - GL 2-22 GL 3-11 UMV 2-20 | 3938 8742 4045 8849 4325 8811 4232 8802 4222 8905 | 18(5) | 4.0 2.8 2.5 2.2 1.2 | 8/06/35-08/07/935 A 7/12/13-07/15/913 A 8/08/13-08/10/913 A 7/25/75-08/03/875 A 7/04/04-07/10/904 A | DR 9-11 DR 3-7 GL 3-2 DR 4-1 DR 1-1 | 4016 8152 4003 8213 4336 8334 4039 8339 3957 8213 |
| 19(11) | 5.7 5.0 3.7 2.7 2.5 | 6/19/72-06/23/972 H 8/20/33-08/24/933 A 7/06/35-07/10/935 A 8/03/98-08/05/898 A 8/24/93-08/29/893 H | - NA 1-24B NA 1-27 SA 1-4 - | 4204 7810 3955 7645 4230 7653 4048 7617 4348 7529 | 20(11) | 5.0 5.0 4.6 4.0 3.8 | 8/20/33-08/24/933 A 8/17/55-08/20/955 A 8/19/39-08/19/939 A 8/13/19-08/14/919 A 7/12/97-07/14/897 A | NA 1-24 NA 2-22A NA 2-3 NA 1-12 NA 1-6 | 4156 7423 4207 7245 3942 7416 3936 7421 4139 7253 |
| 21(0) | | | | | 22(0) | | | | |
| 23(1) | 2.2 | 8/26/51-08/30/951 H | - | 3407 11221 | 24(9) | 3.3 3.2 1.8 1.5 1.0 | 6/02/21-06/06/921 A 8/29/42-09/01/942 A 6/06/13-07/12/913 A 7/19/15-07/28/915 A 6/26/27-06/29/927 R | A 1-23 SW 2-29 SW 1-18 SW 1-18 - | 3827 10504 3456 10506 3536 10503 3446 10620 3730 10710 |
| 25(2) | 2.5 1.6 | 6/13/65-06/20/965 H 8/06/29-08/11/929 A | - SW 2-27 | 3743 10223 3549 10456 | 26(11) | 5.0 4.0 4.4 3.9 3.8 | 6/01/04-06/05/904 A 6/04/16-06/08/916 A 7/12/27-07/15/927 A 7/09/51-07/13/951 A 6/05/23-06/11/923 A | SW 1-5 HR 2-12 SW 2-5 MR 10-2 SW 1-25 | 3451 9533 3653 9703 3412 9708 3840 9630 3738 9716 |
| 27(17) | 4.3 4.2 3.9 3.7 3.6 | 6/14/57-06/15/957 H 8/12/46-08/15/946 A 6/12/35-06/18/935 A 6/10/38-06/11/938 A 8/25/19-08/29/919 A | - MR 7-2A SW 2-13 UMV 3-17 HR 2-22 | 3837 9024 3840 9313 3454 9406 3813 9023 3846 9344 | 28(5) | 5.3 5.0 3.7 3.4 1.8 | 6/22/69-06/23/969 H 8/17/15-08/20/915 H 8/12/46-08/16/946 A 6/20/35-06/21/935 A 6/14/12-06/18/912 A | - - MR 7-2B DR 5-2 DR 8-16A | 3644 8613 3849 8957 3840 8959 3712 8712 3825 8822 |
| 29(9) | 5.5 4.4 4.3 4.0 3.4 | 7/13/16-07/17/916 A 8/13/28-08/17/928 A 8/09/28-08/13/928 A 8/23/08-08/28/908 A 8/30/40-08/31/940 H | SA 2-9 SA 2-13 SA 2-12 SA 2-6 - | 3553 8201 3507 8238 3601 8046 3626 8028 3500 8306 | 30(11) | 5.8 4.9 4.2 4.0 3.0 | 8/19/69-08/20/969 A 8/10/55-08/15/955 A 8/10/28-08/13/928 A 8/10/40-08/17/940 A 8/15/55-08/19/955 A | NA 2-23 NA 2-21B NA 1-18 SA 3-19A NA 2-22B | 3749 7900 3703 7703 3844 7651 3703 7830 3831 7826 |
| 31(0) | | | | | 32(0) | | | | |
| 33(1) | 1.4 | 7/21/05-07/25/905 A | GH 3-13 | 3256 10517 | 34(5) | 5.5 5.5 3.6 3.2 2.0 | 8/04/06-08/06/906 A 6/23/48-06/24/948 H 7/19/38-07/25/938 A 6/23/54-06/28/954 A 8/07/16-08/08/916 A | GH 3-14 - GH 5-10 SW 3-22 SW 1-20 | 3117 10048 2922 10037 3046 10044 3022 10123 3258 10421 |
| 35(11) | 6.9 6.0 5.3 5.2 5.1 | 6/27/36-07/04/936 A 6/27/99-07/01/899 A 6/28/40-06/30/940 A 6/30/32-07/02/942 A 8/26/45-08/29/945 A | GH 5-6 GH 3-4 GH 5-11 GH 5-1 SA 5-23 | 2924 9739 3052 9632 2941 9701 3001 9907 3002 9551 | 36(10) | 5.5 5.3 5.0 4.5 | 7/22/33-07/27/933 A 8/12/38-08/15/938 A 8/23/26-08/26/926 A 6/06/40-08/09/940 A 6/30/40-07/02/940 A | LMV 2-26 LMV 4-23 LMV 4-5 LMV 4-24 LMV 4-25 | 3158 9400 3020 9245 3006 9058 2945 9210 3335 9403 |
| 37(4) | 7.7 5.7 3.8 3.1 | 7/05/16-07/10/916 A 6/01/28-06/05/928 A 8/29/36-08/02/936 A 8/26/98-08/29/898 A | GH 1-19 LMV 2-18 SA 3-22 SA 3-5 | 3049 8619 3155 8745 3026 8502 3012 8543 | 38(5) | 5.5 5.4 4.4 4.4 3.5 | 8/26/93-08/28/893 A 7/13/16-07/17/916 A 8/28/11-08/31/911 A 7/27/87-07/31/887 A 8/30/98-09/03/898 A | SA 2-1 SA 2-9A SA 3-11 SA 3-1 SA 3-6 | 3341 8012 3340 7949 3030 8202 3337 8304 3223 8042 |
| 39(0) | | | | | 40(3) | 3.5 3.4 3.4 | 8/07/28-08/12/928 A 8/01/15-08/03/915 A 6/12/34-06/16/934 A | SA 4-24 SA 4-15 SA 5-1 | 2814 8117 2747 8238 2821 8217 |

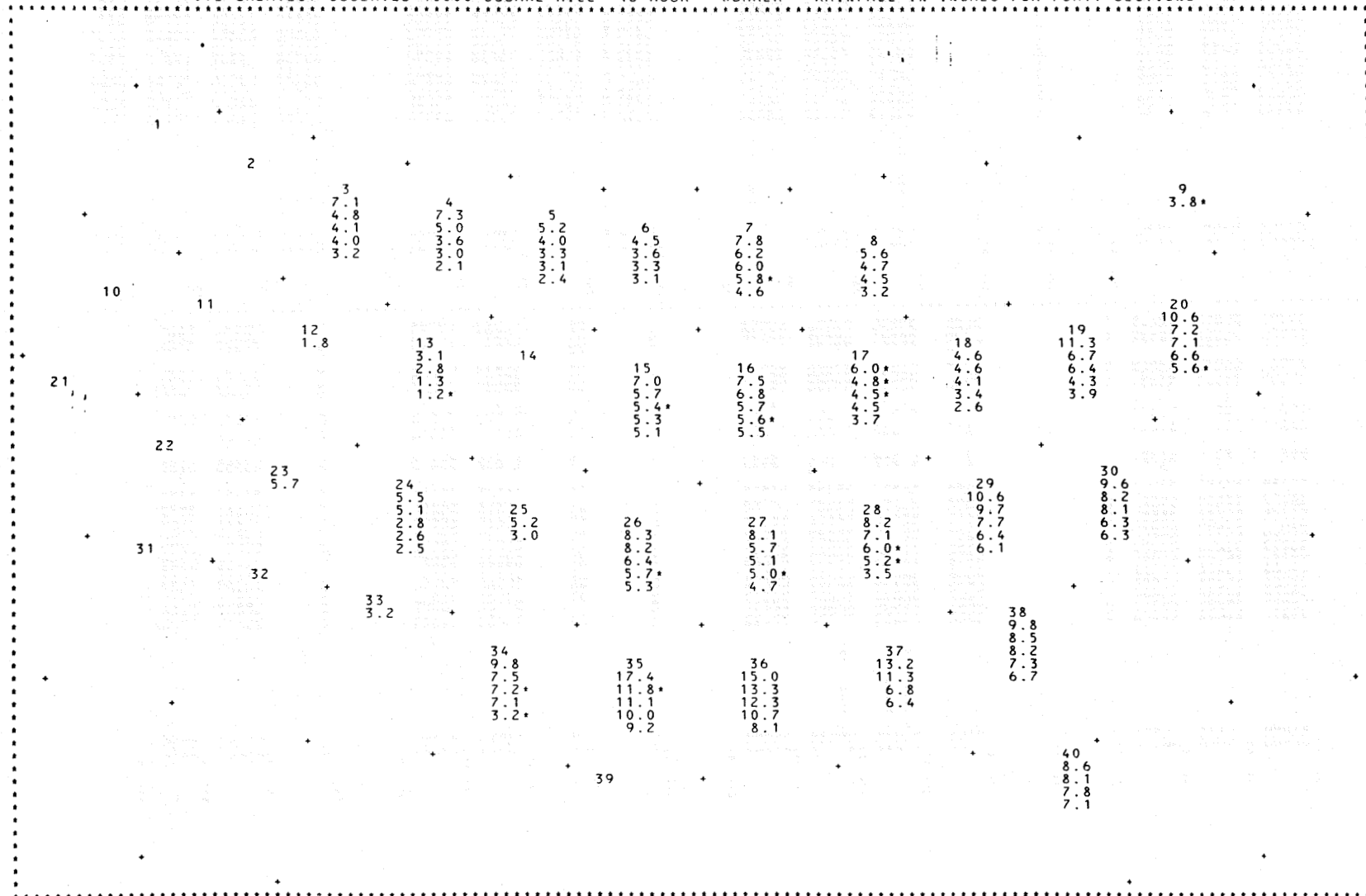
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 24 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|----------------------|---------------------|-------------------------------|----------------------|---------|----------------------|---------------------|-------------------------------|----------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(0) | | | | | 2(0) | | | | |
| 3(7) | | 6/06/64-06/08/964 A | MR 2-23 | 4726 11241 | 4(5) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 10535 |
| 3.4 | | 6/03/08-06/06/908 A | MR 5-13 | 4711 11108 | 3.6 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 10939 |
| 3.2 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 11210 | 3.1 | | 6/14/44-06/18/944 R | - | 4722 10814 |
| 2.8 | | 6/01/53-06/04/953 H | - | 4725 11050 | 2.7 | | 6/11/37-06/13/937 A | MR 5-29 | 4730 10843 |
| 2.5 | | 6/19/16-06/22/916 R | - | 4728 11146 | 1.9 | | 6/16/23-06/21/923 A | MR 5-29 | 4802 10843 |
| 5(6) | | 6/26/44-06/27/944 R | - | 4900 10233 | 6(4) | | 7/18/97-07/22/897 A | UMV 1- 2 | 4747 9555 |
| 4.0 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 10017 | 4.0 | | 7/01/01-07/06/901 A | UMV 1- 8 | 4822 9620 |
| 2.9 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 10140 | 3.2 | | 6/25/14-06/28/914 A | MR 4-14B | 4535 9555 |
| 2.4 | | 6/02/44-06/05/944 R | - | 4456 10411 | 3.1 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 9719 |
| 2.3 | | 8/10/47-08/13/947 H | - | 4847 10433 | | | | | |
| 7(13) | | 7/25/97-07/27/897 A | GL 4- 5 | 4600 9030 | 8(4) | | 7/19/12-07/24/912 A | GL 2-29 | 4511 8941 |
| 5.4 | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 9128 | 5.4 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 8812 |
| 5.1 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 9020 | 4.2 | | 8/31/37-09/03/937 A | GL 3- 5 | 4517 8437 |
| 4.8 | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 9011 | 3.6 | | 7/01/00-07/06/900 A | UMV 1- 5 | 4457 8937 |
| 4.3 | | 6/11/99-06/13/899 A | UMV 1- 4A | 4410 9149 | 2.1 | | | | |
| 4.0 | | | | | | | | | |
| 9(1) | | 8/24/92-08/27/892 H | - | 4427 7546 | 10(0) | | | | |
| 3.5 | | | | | | | | | |
| 11(0) | | | | | 12(1) | | 6/08/47-06/12/947 H | - | 4109 11155 |
| 13(4) | | 8/31/38-09/04/938 R | MR 5- 8 | 4025 10512 | 14(0) | | | | |
| 2.5 | | 8/30/38-09/04/938 A | MR 5- 8 | 4023 10504 | | | | | |
| 1.9 | | 7/27/22-08/03/922 R | - | 3945 10333 | | | | | |
| 1.0 | | 7/19/29-07/24/929 R | - | 3913 10517 | | | | | |
| 1.0 | | | | | | | | | |
| 15(17) | | 7/14/00-07/17/900 A | MR 1- 5 | 4305 9538 | 16(30) | | 8/24/03-08/28/903 A | MR 1-10 | 4057 9335 |
| 5.7 | | 6/07/53-06/07/953 H | MR 4- 2 | 4315 9548 | 6.5 | | 6/09/05-06/10/905 A | UMV 2- 5 | 4042 9148 |
| 5.4 | 10000- 20) | 6/23/91-06/27/891 A | MR 4- 5 | 4201 9453 | 5.0 | 10000- 12) | 6/28/81-06/29/933 A | UMV 2-14 | 4022 9201 |
| 5.2 | | 8/31/26-09/05/926 A | MR 3- 8 | 4044 9502 | 4.9 | | 6/10/47-06/13/947 A | MR 8-14 | 4127 9407 |
| 4.4 | 10000- 20) | | | | 4.7 | | | | |
| 17(7) | | 6/27/57-06/28/957 H | - | 3938 8742 | 18(5) | | 8/06/35-08/07/935 A | OR 9-11 | 4016 8152 |
| 6.0 | | 7/08/51-07/09/951 H | - | 4045 8849 | 4.6 | | 7/25/75-08/03/875 A | OR 4- 1 | 4039 8339 |
| 4.5 | 10000- 12) | 6/29/38-07/01/938 A | GL 3-11 | 4235 8802 | 3.6 | | 7/12/15-07/15/913 A | OR 3- 7 | 4003 8213 |
| 4.4 | | 8/03/24-08/06/924 A | GL 2-22 | 4325 8811 | 3.0 | | 8/08/13-08/10/913 A | GL 3- 2 | 4336 8554 |
| 4.0 | | 8/01/42-08/02/942 A | UMV 2-20 | 4222 8905 | 2.7 | | 7/04/04-07/10/904 A | OR 1- 1 | 3957 8213 |
| 3.0 | | | | | 1.5 | | | | |
| 19(11) | | 6/19/72-06/23/972 H | - | 4204 7810 | 20(11) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 7245 |
| 8.7 | | 8/20/33-08/24/933 A | NA 1-24B | 3955 7645 | 8.0 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 7423 |
| 6.4 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 7653 | 6.4 | | 8/13/19-08/14/919 A | NA 1-12 | 3936 7421 |
| 5.1 | | 6/26/38-06/28/938 A | SA 1-14 | 3928 7540 | 5.5 | | 8/19/39-08/19/939 A | NA 2- 3 | 3942 7416 |
| 3.3 | | 6/15/20-06/18/920 A | GL 1-18 | 4013 7936 | 5.4 | 10000- 18) | 7/12/97-07/14/897 A | NA 1- 6 | 4139 7253 |
| 3.0 | | | | | 4.8 | | | | |
| 21(0) | | | | | 22(0) | | | | |
| 23(1) | | 8/26/51-08/30/951 H | - | 3407 11221 | 24(9) | | 8/29/42-09/01/942 A | SW 2-29 | 3456 10506 |
| 3.7 | | | | | 4.9 | | 6/02/21-06/06/921 A | SW 1-23 | 3827 10504 |
| | | | | | 3.6 | | 6/06/13-06/12/913 A | SW 1-14 | 3546 10303 |
| | | | | | 1.9 | | 7/19/15-07/28/915 A | SW 1-18 | 3446 10620 |
| | | | | | 1.6 | | 6/26/27-06/29/927 R | - | 3730 10710 |
| 25(2) | | 6/13/65-06/20/965 H | - | 3743 10223 | 26(11) | | 6/01/04-06/05/904 A | SW 1- 5 | 3451 9533 |
| 3.9 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 10456 | 5.7 | | 6/04/16-06/06/916 A | SW 2-12 | 3653 9703 |
| 2.0 | | | | | 5.5 | | 7/12/27-07/15/927 A | SW 2- 5 | 3412 9708 |
| | | | | | 5.1 | | 7/18/05-07/21/905 A | SW 10- 2 | 3840 9630 |
| | | | | | 4.9 | | | | |
| | | | | | 4.8 | | | | |
| 27(17) | | 8/12/46-08/15/946 A | MR 7- 2A | 3840 9313 | 28(5) | | 8/17/15-08/20/915 H | - | 3849 8957 |
| 5.4 | | 6/14/57-06/15/957 H | - | 3837 9024 | 5.9 | | 6/22/69-06/23/969 H | - | 3644 8613 |
| 5.0 | | 7/18/05-07/21/905 A | SW 1- 7A | 3752 9357 | 5.8 | | 6/20/35-06/21/935 A | OR 5- 5 | 3712 8712 |
| 4.9 | | 6/12/35-06/18/935 A | SW 2-13 | 3454 9406 | 5.0 | | 8/12/46-08/16/946 A | MR 7- 2B | 3840 8959 |
| 4.7 | | 8/25/19-08/29/919 A | MR 2-22 | 3846 9344 | 4.8 | | 6/14/12-06/18/912 A | OR 8-16A | 3823 8822 |
| 4.5 | | | | | 2.7 | | | | |
| 29(11) | | 7/13/16-07/17/916 A | SA 2- 9 | 3553 8201 | 30(11) | | 8/10/55-08/15/955 A | NA 2-21B | 3507 7703 |
| 8.6 | | 8/23/08-08/28/908 A | SA 2- 6 | 3626 8028 | 7.2 | | 8/10/40-08/17/940 A | SA 5-19A | 3703 7830 |
| 6.6 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 8233 | 6.4 | | 8/19/69-08/20/949 A | NA 2-23 | 3749 7900 |
| 6.3 | | 8/30/40-08/31/940 H | - | 3500 8306 | 6.0 | | 8/10/28-08/13/928 A | NA 1-18 | 3644 7651 |
| 5.4 | | 8/09/28-08/13/928 A | SA 2-12 | 3601 8046 | 4.4 | | 8/03/94-08/06/894 A | SA 2- 2 | 3542 7732 |
| 5.3 | | | | | | | | | |
| 31(0) | | | | | 32(0) | | | | |
| 33(1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 10517 | 34(5) | | 6/23/48-06/24/948 H | - | 2922 10037 |
| 2.1 | | | | | 7.2 | | 8/04/06-08/06/906 A | GM 3-14 | 3117 10048 |
| | | | | | 6.1 | | 6/23/54-06/28/954 A | SW 3-22 | 3022 10123 |
| | | | | | 5.7 | | 7/19/38-07/25/938 A | GM 5-10 | 3046 10044 |
| | | | | | 4.4 | | 8/07/16-08/08/916 A | SW 1-20 | 3238 10421 |
| | | | | | 3.2 | | | | |
| 35(11) | | 6/27/99-07/01/899 A | GM 3- 4 | 3052 9632 | 36(10) | | 7/22/33-07/27/933 A | LMV 2-26 | 3158 9400 |
| 11.2 | | 6/30/32-07/02/932 A | GM 5- 1 | 3001 9907 | 8.5 | | 8/06/40-08/09/940 A | LMV 4-24 | 2945 9210 |
| 10.3 | | 8/26/45-08/29/945 A | GM 5-23 | 3002 9551 | 8.5 | | 7/27/43-07/29/943 A | GM 5-21 | 3002 9435 |
| 9.1 | | 6/27/36-07/04/936 A | GM 5- 6 | 2924 9739 | 7.8 | | 8/12/38-08/15/938 A | LMV 4-23 | 3020 9245 |
| 8.0 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 9701 | 7.7 | | | | |
| 7.3 | | | | | 6.8 | | | | |
| 37(4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 8619 | 38(5) | | 7/15/16-07/17/916 A | SA 2- 9A | 3340 7949 |
| 9.8 | | 6/01/28-06/05/928 A | LMV 2-18 | 3155 8745 | 8.1 | | 8/26/93-08/28/893 A | SA 2- 1 | 3341 8012 |
| 8.6 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 8504 | 7.2 | | 8/28/11-08/31/911 A | SA 3-11 | 3030 8202 |
| 5.2 | | 8/26/98-08/29/898 A | SA 3- 5 | 3012 8543 | 6.1 | | 7/27/87-07/31/887 A | SA 3- 1 | 3337 8504 |
| 5.4 | | | | | 5.4 | | 8/30/98-09/03/898 A | SA 3- 6 | 3223 8042 |
| 4.5 | | | | | 5.1 | | | | |
| 39(0) | | | | | 40(4) | | 8/01/15-08/03/915 A | SA 4-15 | 2747 8238 |
| | | | | | 6.7 | | 8/07/26-08/12/928 A | SA 4-24 | 2814 8117 |
| | | | | | 5.9 | | 6/29/09-07/03/909 H | - | 2808 8247 |
| | | | | | 5.7 | | 6/10/34-06/16/934 A | SA 5- 1 | 2821 8217 |
| | | | | | 5.6 | | | | |

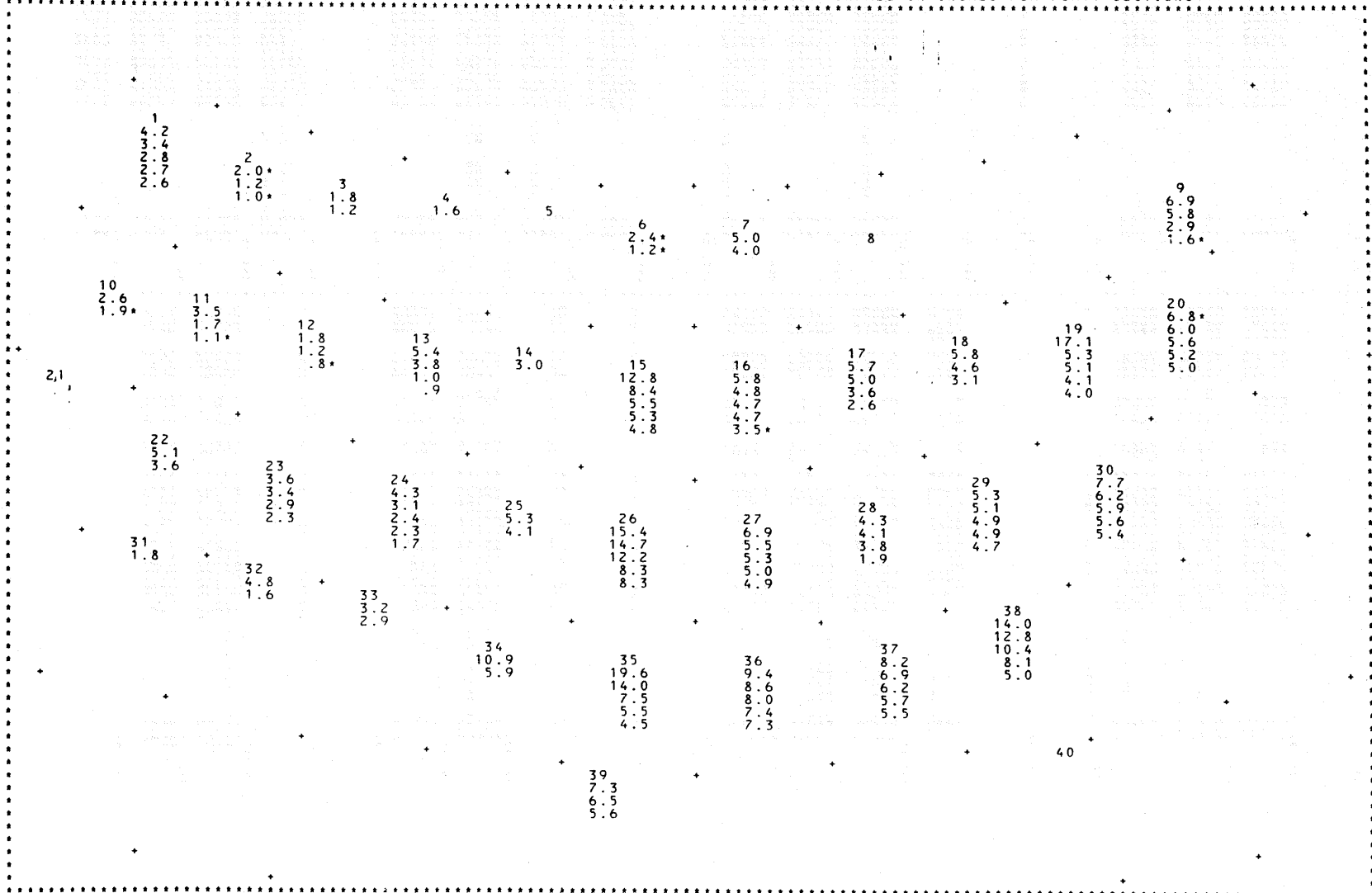
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 48 HOUR SUMMER RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|-------------------|---------------------|-------------------------|--------------|-------|----------|-------------------|---------------------|-------------------------|--------------|------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 10 (0) | | | | | | 20 (0) | | | | | |
| 30 (7) | | 6/06/64-06/08/964 A | NP 2-23 | 4726 | 11241 | 40 (5) | | 6/17/21-06/21/921 A | MR 4-21 | 4718 | 10535 |
| 2.1 | | 6/21/07-06/23/907 A | MR 5-14 | 4749 | 11210 | 7.3 | | 6/06/06-06/08/906 A | MR 5-13 | 4804 | 10939 |
| 4.8 | | 6/03/08-06/06/908 H | MR 5-15 | 4711 | 11108 | 5.0 | | 6/14/44-06/18/944 R | | | 4722 10814 |
| 4.0 | | 6/01/53-06/04/953 H | | 4725 | 11050 | 3.6 | | 6/11/37-06/13/937 A | MR 5-29 | 4730 | 10533 |
| 3.2 | | 6/19/16-06/22/916 R | | 4728 | 11146 | 2.1 | | 6/16/23-06/21/923 A | MR 5-25 | 4802 | 10843 |
| 50 (6) | | 6/26/44-06/27/944 R | | 4900 | 10233 | 60 (4) | | 7/18/97-07/22/897 A | UMV 1-2 | 4747 | 9555 |
| 4.2 | | 6/25/14-06/28/914 A | MR 4-14A | 4629 | 10017 | 5.6 | | 7/01/01-07/06/901 A | UMV 1-8 | 4822 | 9620 |
| 2.0 | | 7/05/28-07/08/928 A | UMV 1-18 | 4820 | 10140 | 3.6 | | 6/25/14-06/28/914 A | MR 4-18 | 4535 | 9555 |
| 3.3 | | 6/02/44-06/03/944 R | MR 4-8 | 4456 | 10511 | 3.1 | | 8/19/18-08/22/918 A | MR 4-16 | 4730 | 9719 |
| 3.1 | | 6/02/04-06/05/904 A | | 4429 | 10347 | | | | | | |
| 70 (13) | | 8/28/41-08/31/941 A | UMV 1-22 | 4600 | 9128 | 80 (4) | | 7/19/12-07/24/912 A | GL 2-29 | 4511 | 8941 |
| 7.8 | | 6/03/05-06/08/905 A | GL 2-12 | 4508 | 9020 | 5.6 | | 6/08/22-06/11/922 A | GL 2-21 | 4420 | 8812 |
| 6.2 | | 7/18/09-07/23/909 A | UMV 1-11 | 4627 | 9011 | 4.7 | | 8/31/37-09/03/937 A | GL 3-5 | 4517 | 8437 |
| 6.0 | | 7/19/29-07/24/897 A | GL 4-5 | 4600 | 9030 | 4.5 | | 7/01/00-07/06/900 A | UMV 1-5 | 4457 | 8937 |
| 5.8 | 10000-36) | 7/11/37-07/16/937 A | UMV 1-20 | 4843 | 9436 | 3.2 | | | | | |
| 5.6 | | | | | | | | | | | |
| 90 (1) | 3.8 (10000-36) | 8/24/92-08/27/892 H | | 4427 | 7546 | 100 (0) | | | | | |
| 110 (0) | | | | | | 120 (1) | | 6/08/47-06/12/947 H | | 4109 | 11155 |
| 130 (4) | | 8/30/38-09/04/938 A | MR 5-8 | 4023 | 10504 | 140 (0) | | | | | |
| 3.1 | | 8/31/38-09/04/938 R | | 4025 | 10512 | | | | | | |
| 2.8 | | 7/25/97-07/27/897 A | | 3913 | 10517 | | | | | | |
| 1.2 | 10000-36) | 7/27/22-08/03/922 R | | 3943 | 10533 | | | | | | |
| 150 (17) | | 7/14/00-07/17/900 A | MR 1-5 | 4305 | 9538 | 160 (30) | | 8/24/03-08/28/903 A | MR 1-10 | 4057 | 9335 |
| 7.0 | | 8/31/26-09/05/926 A | MR 3-8 | 4044 | 9502 | 7.5 | | 7/04/09-07/07/909 A | UMV 2-8 | 4015 | 9402 |
| 5.7 | 10000-20) | 6/23/91-06/27/891 A | MR 4-2 | 4252 | 9530 | 6.8 | | 7/09/22-07/12/922 A | MR 2-29 | 4029 | 9499 |
| 5.4 | | 6/06/34-06/08/934 A | MR 5-2 | 4249 | 9633 | 5.6 | 10000-12) | 6/09/05-06/10/905 A | UMV 2-5 | 4042 | 9148 |
| 5.3 | | | | | | 5.5 | | 6/12/30-06/15/930 A | UMV 2-14 | 4117 | 9141 |
| 5.1 | | | | | | | | | | | |
| 170 (7) | | 6/27/57-06/28/957 H | | 3938 | 8742 | 180 (5) | | 7/25/75-08/03/875 A | DR 4-1 | 4039 | 8339 |
| 6.0 | 10000-24) | 6/29/38-07/01/938 A | GL 3-11 | 4235 | 8802 | 4.6 | | 8/06/35-08/07/935 A | DR 9-11 | 4016 | 8152 |
| 4.8 | 10000-42) | 7/08/51-07/09/951 H | | 4045 | 8849 | 4.1 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| 4.5 | 10000-12) | 8/03/24-08/06/924 A | GL 2-22 | 4325 | 8811 | 4.1 | | 7/12/13-07/15/913 A | DR 3-7 | 4003 | 8213 |
| 4.5 | | 6/22/19-06/24/919 A | UMV 4-7 | 4008 | 8858 | 2.6 | | 7/04/04-07/10/904 A | DR 1-1 | 3957 | 8213 |
| 3.7 | | | | | | | | | | | |
| 190 (11) | | 6/19/72-06/23/972 H | | 4204 | 7810 | 200 (11) | | 8/17/55-08/20/955 A | NA 2-22A | 4207 | 7245 |
| 11.3 | | 8/20/33-08/24/938 A | NA 1-24B | 3955 | 7645 | 10.6 | | 8/11/55-08/15/955 A | NA 2-21A | 4201 | 7425 |
| 6.7 | | 7/06/35-07/10/935 A | NA 1-27 | 4230 | 7653 | 7.2 | | 8/20/33-08/24/933 A | NA 1-24 | 4156 | 7423 |
| 6.4 | | 8/03/98-08/05/988 A | SA 1-4 | 4048 | 7617 | 7.1 | | 7/12/13-07/15/913 A | DR 3-7 | 4003 | 8213 |
| 4.3 | | 6/26/38-06/28/938 A | SA 1-14 | 3928 | 7540 | 6.6 | | 7/04/04-07/10/904 A | DR 1-1 | 3957 | 8213 |
| 3.9 | | | | | | 5.6 | 10000-27) | 8/13/19-08/14/919 A | NA 1-12 | 3936 | 7421 |
| 210 (0) | | | | | | 220 (0) | | | | | |
| 230 (1) | | 8/26/51-08/30/951 H | | 3407 | 11221 | 240 (9) | | 8/29/42-09/01/942 A | SW 2-29 | 3456 | 10506 |
| 5.7 | | | | | | 5.5 | | 6/02/21-06/06/921 A | SW 1-23 | 3827 | 10504 |
| | | | | | | 2.8 | | 6/26/27-06/29/927 R | SW 1-14 | 3556 | 10505 |
| | | | | | | 2.6 | | | | | |
| | | | | | | 2.5 | | | | | |
| 250 (2) | | 6/13/65-06/20/965 H | | 3743 | 10223 | 260 (11) | | 7/19/15-07/28/915 A | SW 1-18 | 3446 | 10620 |
| 5.2 | | 8/06/29-08/11/929 A | SW 2-27 | 3549 | 10456 | 8.3 | | 6/01/04-06/05/904 A | SW 1-5 | 3451 | 9533 |
| 3.0 | | | | | | 8.2 | | 7/09/51-07/13/951 A | SW 10-2 | 3840 | 9630 |
| | | | | | | 6.7 | | 7/12/27-07/15/927 A | SW 2-2 | 3412 | 9708 |
| | | | | | | 5.7 | 10000-42) | 6/04/16-06/06/916 A | SW 5-2 | 3653 | 9733 |
| | | | | | | 5.3 | | 7/18/05-07/21/905 A | SW 1-7 | 3451 | 9533 |
| 270 (17) | | 8/12/46-08/15/946 A | MR 7-2A | 3840 | 9313 | 280 (5) | | 8/12/46-08/16/946 A | MR 7-2B | 3840 | 8959 |
| 8.1 | | 6/12/35-06/18/935 A | SW 2-13 | 3454 | 9406 | 8.2 | | 8/17/15-08/20/915 H | | | 3849 8957 |
| 5.7 | | 7/18/05-07/21/905 A | SW 1-7A | 3932 | 9357 | 7.1 | | 6/22/69-06/23/969 H | | | 3644 8613 |
| 5.1 | | 6/14/57-06/15/957 H | | 3857 | 9024 | 6.0 | 10000-30) | 8/20/35-08/21/935 A | OR 5-5 | 3712 | 8715 |
| 5.0 | 10000-24) | 8/25/19-08/29/919 A | MR 2-22 | 3846 | 9344 | 5.2 | 10000-42) | 6/14/12-06/18/912 A | OR 8-16A | 3823 | 8822 |
| 4.7 | | | | | | 3.5 | | | | | |
| 290 (11) | | 7/13/16-07/17/916 A | SA 2-9 | 3553 | 8201 | 300 (11) | | 8/10/40-08/17/940 A | SA 5-19A | 3703 | 7830 |
| 10.6 | | 8/23/08-08/28/908 A | SA 2-6 | 3626 | 8028 | 9.6 | | 8/10/55-08/15/955 A | NA 2-21B | 3507 | 7703 |
| 9.7 | | 8/13/28-08/17/928 A | SA 2-13 | 3507 | 8238 | 8.2 | | 8/10/28-08/13/928 A | NA 1-18 | 3844 | 7651 |
| 7.7 | | 7/06/96-07/08/896 A | SA 3-4 | 3411 | 8209 | 6.3 | | 7/28/08-07/31/908 A | SA 5-28 | 3307 | 7703 |
| 6.4 | | 6/28/28-06/30/928 A | DR 7-10 | 3606 | 8408 | 6.3 | | 8/03/94-08/06/894 A | SA 2-2 | 3542 | 7732 |
| 6.1 | | | | | | | | | | | |
| 310 (0) | | | | | | 320 (0) | | | | | |
| 330 (1) | | 7/21/05-07/25/905 A | GM 3-13 | 3256 | 10517 | 340 (5) | | 6/23/54-06/28/954 A | GM 3-22 | 3022 | 10123 |
| 3.2 | | | | | | 9.8 | | 7/19/38-07/25/938 A | GM 5-10 | 3046 | 10044 |
| | | | | | | 7.5 | | 6/23/48-06/24/948 H | MR - | 2922 | 10037 |
| | | | | | | 7.2 | 10000-24) | 8/04/06-08/06/906 A | GM 3-14 | 3117 | 10048 |
| | | | | | | 7.1 | | 8/07/16-08/08/916 A | GM 1-20 | 3238 | 10421 |
| | | | | | | 3.2 | 10000-24) | | | | |
| 350 (11) | | 6/27/99-07/01/899 A | GM 3-4 | 3052 | 9632 | 360 (10) | | 8/06/40-08/09/940 A | LHV 4-24 | 2945 | 9210 |
| 17.4 | | 6/30/32-07/02/932 A | GM 5-1 | 3001 | 9907 | 15.0 | | 7/22/33-07/27/933 A | LHV 2-26 | 3158 | 9400 |
| 11.8 | 10000-42) | 8/26/45-08/29/945 A | GM 5-23 | 3002 | 9551 | 13.3 | | 8/16/15-08/21/915 A | LHV 1-10 | 3131 | 9407 |
| 11.1 | | 6/28/40-06/30/940 A | GM 5-11 | 2941 | 9701 | 10.7 | | 8/23/26-08/26/926 A | LHV 4-5 | 3006 | 9058 |
| 10.0 | | 6/27/36-07/04/936 A | GM 5-6 | 2924 | 9739 | 8.1 | | | | | |
| 9.2 | | | | | | | | | | | |
| 370 (4) | | 7/05/16-07/10/916 A | GM 1-19 | 3049 | 8619 | 380 (5) | | 7/13/16-07/17/916 A | SA 2-9A | 3340 | 7949 |
| 13.2 | | 8/01/28-08/05/928 A | LHV 2-18 | 3155 | 8745 | 9.8 | | 8/28/11-08/31/911 A | SA 3-11 | 3030 | 8202 |
| 11.3 | | 8/26/98-08/29/898 A | SA 3-5 | 3012 | 8543 | 8.2 | | 7/27/87-07/31/887 A | SA 3-1 | 3337 | 8304 |
| 6.8 | | 7/29/36-08/02/936 A | SA 3-22 | 3026 | 8502 | 7.3 | | 8/26/93-08/28/893 A | SA 2-1 | 3341 | 8012 |
| 6.4 | | | | | | 6.7 | | 8/30/98-09/03/898 A | SA 3-6 | 3223 | 8042 |
| 390 (0) | | | | | | 400 (4) | | 6/29/09-07/03/909 H | | | |
| | | | | | | 8.6 | | 8/01/15-08/03/915 A | SA 4-15 | 2808 | 8247 |
| | | | | | | 8.1 | | 6/12/34-06/16/934 A | SA 5-1 | 2821 | 8217 |
| | | | | | | 7.8 | | 8/07/28-08/12/928 A | SA 4-24 | 2814 | 8117 |
| | | | | | | 7.1 | | | | | |

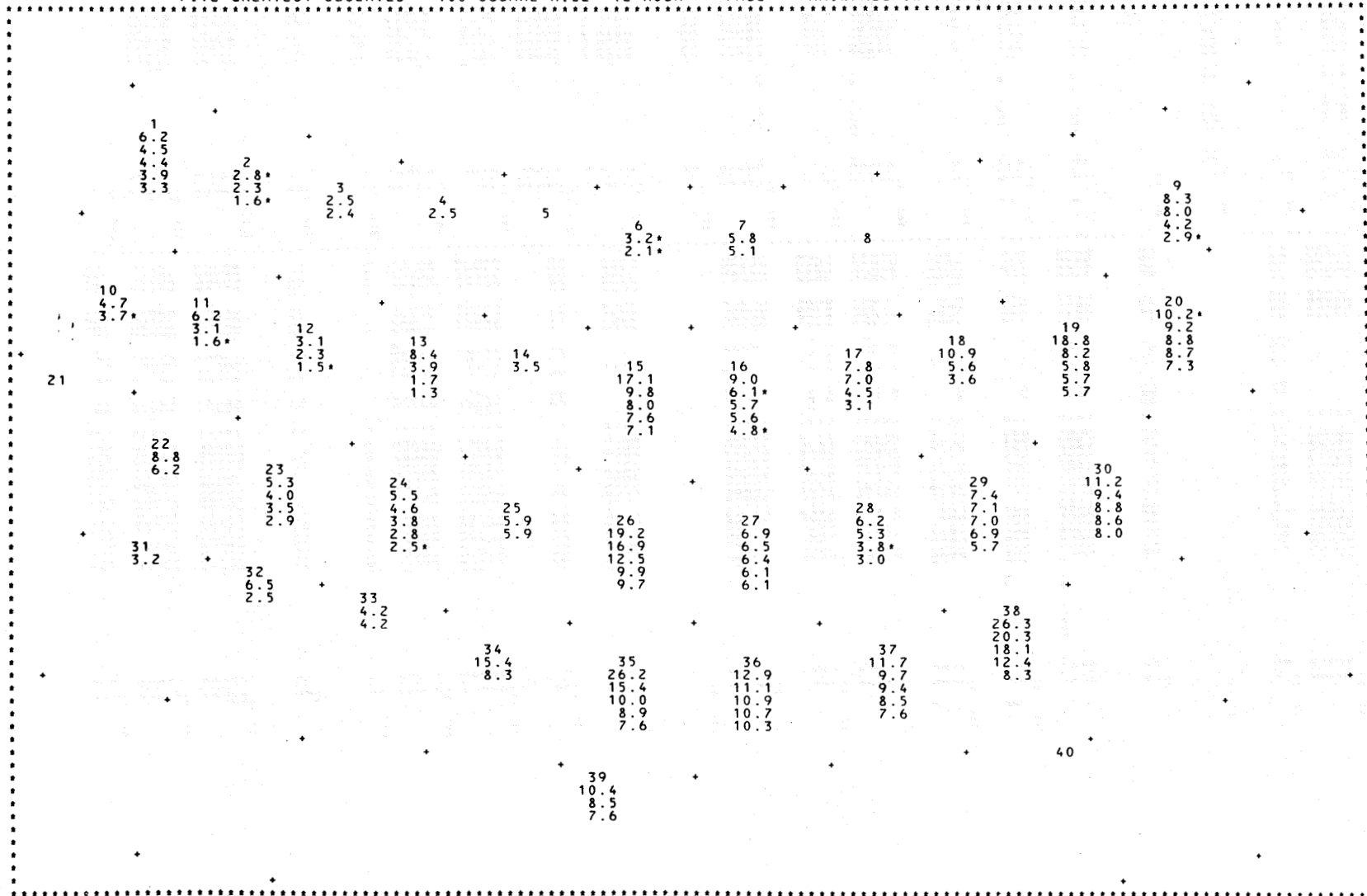
FIVE GREATEST OBSERVED 100 SQUARE MILE- 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|--|------------------------------------|--|--|--|---------|---|---|--|--|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(7) | 4.2 3.4 2.8 2.7 2.6 | 11/16/11-11/20/911 H 10/26/37-10/28/937 H 11/18/21-11/22/921 A 10/18/30-10/20/937 H 10/21/34-10/26/934 H | - - - - - | 4730 12330 4840 12135 4548 12136 4730 12330 4609 12202 | 2(3) | B 2.0(200- 6) B 1.0(200- 6) | 11/17/09-11/20/909 H 11/17/46-11/20/946 R 11/18/21-11/21/921 R | - - - | 4812 11541 4410 11510 4425 11535 |
| 3(2) | 1.8 1.2 | 9/03/11-09/06/911 A 9/27/19-09/28/919 A | MR 5-18 MR 5-24 | 4855 11133 4834 11301 | 4(1) | 1.6 | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 5(0) | | | | | 6(2) | 2.4(1000- 6) 1.2(1000- 6) | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - - | 4817 9806 4814 9740 |
| 7(2) | 5.0 4.0 | 9/15/42-09/19/942 A 9/11/03-09/15/903 A | UMV 1-25 UMV 2- 3 | 4457 9217 4425 9203 | 8(0) | | | | |
| 9(4) | 6.9 5.8 2.9 1.6(2000- 6) | 9/16/32-09/17/932 H 11/02/27-11/04/927 A 10/18/30-10/20/937 H 11/06/63-11/10/963 H | - NA 1-17 GL 1-26 - | 4553 6909 4403 7145 4410 7540 4416 7118 | 10(2) | B 2.6 B 1.9(1921- 6) | 11/15/42-11/19/942 R 11/15/50-11/21/950 H | - - | 3900 12030 3910 12030 |
| 11(3) | 3.5 3.8 1.1(5000- 6) | 11/18/09-11/23/909 A 11/12/30-11/17/930 R 10/01/46-10/02/946 R | MP 4- 6 - - | 4335 11540 4140 11525 4349 11512 | 12(3) | B 1.8 B 1.2 B 0.8(200- 6) | 10/11/28-10/14/928 H 11/18/46-11/20/946 R 9/16/47-09/18/947 R | - - - | 4020 11030 4350 11400 4225 11208 |
| 13(4) | 5.4 3.8 1.0 0.9 | 9/27/23-10/01/923 A 9/09/33-09/11/935 R 10/10/99-10/15/899 R 10/04/11-10/06/911 R | MR 4-23 - - - | 4352 10547 3950 10506 3923 10806 3901 10731 | 14(1) | 3.0 | 9/11/33-09/12/933 R | - | 4009 10113 |
| 15(9) | 12.8 8.4 5.5 5.3 4.8 | 9/17/26-09/19/926 A 9/10/72-09/12/976 H 9/16/19-09/19/919 A 9/13/30-09/14/930 A 9/09/11-09/11/911 R | MR 4-24 - MR 2-23 MR 3-26A - | 4312 9600 4145 9515 4020 9734 3928 9544 3944 9506 | 16(8) | 5.8 4.8 4.7 4.7 3.5(1000- 6) | 9/05/58-09/06/958 H 9/08/42-09/08/942 A 10/27/00-10/30/900 A 9/10/28-09/14/928 A 9/11/61-09/13/961 H | UMV 2-21 UMV 1- 7A MR 3-19 - | 4130 9440 4138 9133 4348 9115 4043 9253 3941 9203 |
| 17(4) | 5.7 5.0 3.6 2.6 | 9/08/26-09/09/926 A 10/09/54-10/10/954 H 9/30/41-10/07/941 A 9/26/26-10/05/926 H | OR 4-22 - UMV 3-20C - | 3930 8811 4145 8820 4135 8645 4008 8855 | 18(3) | 5.8 4.6 3.1 | 9/10/78-09/13/878 A 9/01/22-09/04/922 A 9/01/22-09/04/922 A | OR 9-19 OR 1-27A OR 1-27B | 4145 8046 3931 8445 3955 8045 |
| 19(9) | 17.1 5.3 5.1 4.1 4.0 | 9/01/40-09/01/940 H 9/12/04-09/15/904 A 9/24/02-09/27/902 A 10/09/22-10/10/922 A 9/27/96-09/30/896 A | - NA 1- 9 SA 1- 5 SA 1- 9 SA 1-19 | 3942 7512 3935 7525 3940 7606 3917 7637 3923 7822 | 20(12) | 5.8(200- 6) 6.0 5.6 5.0 | 9/16/32-09/17/932 H 10/03/69-10/04/869 H 9/12/44-09/15/944 A 9/13/33-09/18/933 H 9/17/38-09/22/958 A | - NA 2-16 NA 2- 2 | 4122 7150 4150 7254 4029 7427 4203 7017 4140 7240 |
| 21(0) | | | | | 22(2) | 5.1 3.6 | 11/13/50-11/21/950 R 11/18/46-11/20/946 R | - - | 3630 11830 3635 11835 |
| 23(4) | 3.6 3.4 2.9 2.3 | 9/04/39-09/07/939 H 11/25/05-11/28/905 H 10/27/46-10/29/946 H 10/10/47-10/15/947 H | - - - - | 3444 11337 3413 11245 3725 11402 3418 11015 | 24(8) | 4.3 3.1 2.4 2.3 1.7 | 9/03/70-09/07/970 H 9/26/04-09/30/904 A 10/04/11-10/06/911 A 9/20/29-09/23/929 A 9/06/27-09/10/927 R | - SM 1- 6 SM 2-30 SM 2-28 - | 3738 10904 3552 10520 3753 10739 3509 10539 3733 10749 |
| 25(2) | 5.3 4.1 | 10/09/30-10/12/930 A 10/18/08-10/19/908 A | SW 2- 6 SW 2-23 | 3512 10317 3803 10238 | 26(22) | 15.4 14.7 12.2 8.3 8.3 | 10/10/73-10/11/973 H 9/02/40-09/06/940 A 9/11/26-09/18/926 A 9/29/23-10/02/923 A 9/04/01-09/08/901 A | SW 2-18 SW 2- 1 MR 3- 1A MR 1- 6 | 3625 9752 3615 9636 3800 9533 3717 9835 3827 9954 |
| 27(17) | 6.9 5.5 5.3 5.0 4.9 | 9/06/27-09/10/937 A 9/12/05-09/19/905 A 10/16/05-10/19/905 A 11/10/09-11/16/909 A 11/17/06-11/21/906 A | SW 2-15 UMV 2-13 UMV 2- 6 MR 1-29 LHV 1- 4 | 3622 9413 3853 9245 3838 9113 3652 9422 3439 9028 | 28(4) | 4.3 4.1 3.8 1.9 | 9/28/98-10/01/898 A 10/03/10-10/06/910 A 9/01/22-09/01/922 A 10/30/19-11/01/919 A | LHV 1- 3A OR 4- 8 SM 3- 9B LHV 1-13B | 3653 8935 3722 8829 3725 9440 3729 8618 |
| 29(9) | 5.3 5.1 4.9 4.9 2.7 | 10/13/14-10/16/914 A 9/08/88-09/12/888 A 9/21/98-09/23/898 A 10/26/18-10/31/918 A 9/22/12-09/25/912 A | SA 2- 8 SA 5- 2 SA 2- 3 SA 3-16 SA 1-22B | 3546 8216 3411 8202 3600 8134 3502 8312 3415 8037 | 30(13) | 7.7 6.2 5.9 5.6 5.4 | 9/13/24-09/17/924 A 10/11/42-10/17/942 A 9/16/28-09/19/928 A 9/04/28-09/07/928 A 9/18/44-09/19/944 H | SA 3-16 SA 1-28B SA 2-15 SA 2-14 - | 3444 7639 3515 7540 3417 7952 3411 7923 3753 7843 |
| 31(1) | 1.8 | 10/03/25-10/06/925 R | - | 3317 11652 | 32(2) | 4.8 1.6 | 9/03/70-09/07/970 H 9/03/70-09/07/970 H | - - | 3349 11056 3226 11042 |
| 13(2) | 3.2 2.9 | 9/15/19-09/17/919 A 9/27/41-09/29/941 A | GM 5-15B SM 3- 1 | 3341 10511 3304 10602 | 34(2) | 10.9 5.9 | 9/14/36-09/18/936 A 9/20/41-09/23/941 A | GM 5- 7 GM 5-19 | 3147 10050 3210 10444 |
| 5(10) | 19.6 14.0 7.5 5.5 4.5 | 9/08/21-09/10/921 A 9/26/46-09/27/946 A 11/22/40-11/25/940 A 9/25/36-09/28/936 A 9/28/03-10/01/903 A | GM 4-12 GM 5-24 GM 5-13 GM 5- 8 SM 1- 4 | 3035 9718 2920 9829 3008 9608 3201 9708 3337 9708 | 36(12) | 9.4 8.6 8.0 7.4 7.3 | 9/28/15-09/30/915 A 11/12/22-11/15/922 A 9/06/93-09/10/893 A 9/05/29-09/09/929 A 9/19/09-09/22/909 A | LHV 2-13 LHV 3-29 LHV 3- 2 LHV 4-13 LHV 3-16 | 3051 9010 3002 9230 2947 9130 2956 9003 3046 9122 |
| 7(6) | 8.2 6.9 6.2 5.7 5.5 | 9/17/26-09/21/926 A 11/06/43-11/08/943 A 11/19/34-11/21/934 A 9/29/29-10/03/929 A 9/28/98-10/01/898 A | SA 4-23 SA 5-22 LHV 1-18 SA 3-23 LHV 1- 3 | 3053 8747 3126 8724 3138 8819 3058 8543 3025 8713 | 38(6) | 14.0 12.8 10.4 8.1 5.0 | 9/03/50-09/07/950 A 10/04/24-10/11/924 A 10/17/41-10/22/941 A 9/23/29-09/28/929 A 9/16/01-09/19/901 A | SA 5- 8 SA 4-20 SA 5- 6 SA 3-20 SA 2- 5 | 2903 8242 2907 8055 2948 8257 3156 8156 3204 8413 |
| 9(3) | 7.3 6.5 5.6 | 9/19/67-09/24/967 A 9/14/19-09/15/919 A 9/16/41-09/13/961 H | SM 3-24 GM 5-15A - | 2618 9955 2821 9807 2858 9557 | 40(0) | | | | |

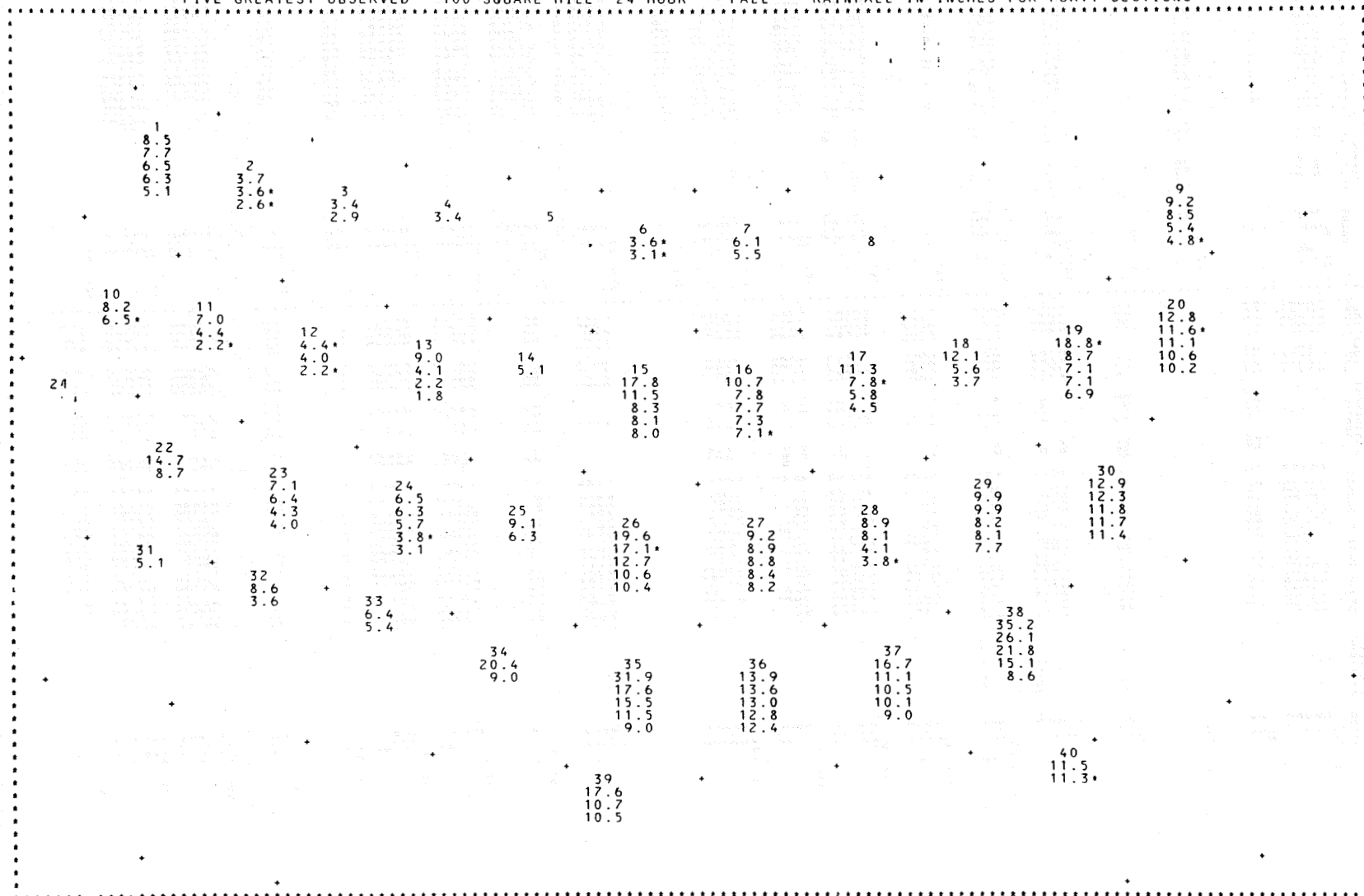
FIVE GREATEST OBSERVED 100 SQUARE MILE- 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | |
|---|-------------------|----------------------|-------------------------|-------------------|------------------|-------------------|----------------------|-------------------------|-------------------|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
| 1(7) | | | | | 2(3) | | | | |
| 6.2 | | 11/16/11-11/20/911 H | - | 4730 12330 | 2.8(200- 12) | | 11/17/09-11/20/909 H | - | 4812 11541 |
| 4.5 | | 10/26/37-10/28/937 H | - | 4840 12135 | B 2.3(200- 12) | | 11/17/46-11/20/946 R | - | 4410 11510 |
| 4.4 | | 11/18/21-11/22/921 H | - | 4548 12159 | B 1.6(200- 12) | | 11/18/21-11/21/921 R | - | 4425 11555 |
| 3.9 | | 10/21/34-10/26/934 H | - | 4609 12206 | | | | | |
| 3.3 | | 10/26/37-10/28/937 H | - | 4730 12330 | | | | | |
| 3(2) | | | | | 4(1) | | | | |
| 2.5 | | 9/03/11-09/06/911 A | MR 5-18 | 4855 11133 | 2.5 | | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 2.4 | | 9/27/19-09/28/919 A | MR 5-24 | 4834 11130 | | | | | |
| 5(0) | | | | | 6(2) | | | | |
| | | | | | 3.2(1000- 12) | | 10/09/49-10/10/949 H | - | 4817 9806 |
| | | | | | 2.1(1000- 12) | | 11/13/44-11/14/944 H | - | 4814 9740 |
| 7(2) | | | | | 8(0) | | | | |
| 5.8 | | 9/15/42-09/19/942 A | UMV 1-25 | 4457 9217 | | | | | |
| 5.1 | | 9/11/03-09/15/903 A | UMV 2- 3 | 4425 9203 | | | | | |
| 9(4) | | | | | 10(2) | | | | |
| 8.3 | | 11/02/27-11/04/927 A | NA 1-17 | 4403 7145 | 4.7 | | 11/15/42-11/19/942 R | - | 3900 12030 |
| 8.0 | | 9/16/32-09/17/932 H | - | 4140 11525 | B 3.7(1921- 12) | | 11/15/50-11/21/950 H | - | 3910 12030 |
| 4.2 | | 10/18/30-10/20/930 A | GL 1-26 | 4410 7540 | | | | | |
| 2.9(2000- 12) | | 11/06/63-11/10/963 H | - | 4416 7118 | | | | | |
| 11(3) | | | | | 12(3) | | | | |
| 6.2 | | 11/18/09-11/23/909 A | NP 4- 6 | 4335 11540 | 3.1 | | 10/11/28-10/14/928 H | - | 4020 11030 |
| 3.1 | | 11/12/30-11/17/930 R | - | 4340 11525 | B 2.3(200- 12) | | 11/18/46-11/20/946 R | - | 4350 11400 |
| B 1.6(5000- 12) | | 10/01/46-10/02/946 R | - | 4349 11512 | B 1.5(200- 12) | | 9/16/47-09/18/947 R | - | 4225 11208 |
| 13(4) | | | | | 14(1) | | | | |
| 8.4 | | 9/27/23-10/01/923 A | MR 4-23 | 4382 10547 | 3.5 | | 9/11/33-09/12/933 R | - | 4009 10113 |
| 3.9 | | 9/09/33-09/11/933 R | - | 3930 10506 | | | | | |
| B 1.7 | | 10/04/11-10/06/911 R | - | 3901 10731 | | | | | |
| 1.3 | | 10/10/99-10/15/899 R | - | 3923 10806 | | | | | |
| 15(9) | | | | | 16(8) | | | | |
| 17.1 | | 9/17/26-09/19/926 A | MR 4-24 | 4312 9600 | 9.0 | | 9/05/58-09/06/958 H | - | 4130 9440 |
| 9.8 | | 9/10/72-09/12/972 H | - | 4143 9515 | 6.1(1000- 12) | | 9/11/61-09/13/961 H | - | 3941 9203 |
| 8.0 | | 9/09/11-09/11/911 R | - | 3944 9506 | 5.7 | | 9/30/41-10/07/941 A | UMV 3-208 | 4058 9023 |
| 7.6 | | 9/06/09-09/09/909 A | MR 1-28 | 3904 9537 | 5.6 | | 10/27/00-10/30/900 A | UMV 1- 7A | 4348 9115 |
| 7.1 | | 9/16/19-09/19/919 A | MR 2-23 | 4020 9734 | 4.8(100- 6) | | 9/08/42-09/08/942 A | UMV 2-21 | 4138 9133 |
| 17(4) | | | | | 18(3) | | | | |
| 7.8 | | 9/08/26-09/09/926 A | DR 4-22 | 3930 8811 | 10.9 | | 9/10/78-09/13/878 A | DR 9-19 | 4145 8046 |
| 7.0 | | 10/09/54-10/10/954 H | - | 4145 8820 | 5.6 | | 9/01/22-09/04/922 A | DR 1-27A | 3931 8445 |
| 4.5 | | 9/30/41-10/07/941 A | UMV 3-20C | 4135 8645 | 3.6 | | 9/01/22-09/04/922 A | DR 1-27B | 3935 8045 |
| 3.1 | | 9/26/26-10/05/926 H | - | 4008 8855 | | | | | |
| 19(9) | | | | | 20(12) | | | | |
| 18.8 | | 9/01/40-09/01/940 H | - | 3942 7512 | 10.2(200- 12) | | 9/16/32-09/17/932 H | - | 4122 7150 |
| 8.2 | | 9/12/04-09/15/904 A | NA 1- 9 | 3935 7525 | 9.2 | | 10/03/49-10/04/849 H | - | 4150 7254 |
| 5.8 | | 9/24/02-09/27/902 A | SA 1- 5 | 3940 7606 | 8.8 | | 9/13/33-09/18/933 H | - | 4203 7017 |
| 5.7 | | 9/27/96-09/30/896 A | SA 1-19 | 3923 7822 | 8.7 | | 9/20/82-09/24/882 A | NA 1- 3 | 4055 7410 |
| 5.7 | | 9/27/67-09/29/967 H | - | 4215 7825 | 7.3 | | 10/07/03-10/11/903 A | GL 4- 9 | 4055 7410 |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 8.8 | | 11/13/50-11/21/950 R | - | 3630 11830 |
| | | | | | 6.2 | | 11/18/46-11/20/946 R | - | 3635 11835 |
| 23(4) | | | | | 24(8) | | | | |
| 5.3 | | 9/04/39-09/07/939 H | - | 3444 11337 | 5.5 | | 9/03/70-09/07/970 H | - | 3738 10904 |
| 4.0 | | 10/27/46-10/29/946 H | - | 3725 11402 | 4.6 | | 10/04/11-10/06/911 A | - | 3753 10759 |
| 3.5 | | 11/25/05-11/28/905 H | - | 3413 11245 | 3.8 | | 9/26/04-09/30/904 A | SW 2-30 | 3552 10520 |
| 2.9 | | 10/10/47-10/15/947 H | - | 3418 11015 | 2.8 | | 9/20/29-09/23/929 A | SW 2-28 | 3509 10539 |
| 25(2) | | | | | 2.5(500- 12) | | 10/04/11-10/06/911 H | - | 3750 10920 |
| 5.9 | | 10/18/08-10/19/908 A | SW 2-23 | 3803 10238 | | | | | |
| 5.9 | | 10/09/30-10/12/930 A | SW 2- 6 | 3512 10317 | | | | | |
| 27(17) | | | | | 26(22) | | | | |
| 6.9 | | 9/06/37-09/10/937 A | SW 2-15 | 3622 9413 | 19.2 | | 9/02/40-09/06/940 A | SW 2-18 | 3615 9636 |
| 6.5 | | 10/16/05-10/19/905 A | UMV 2- 6 | 3538 9113 | 15.9 | | 10/10/73-10/11/973 H | - | 3625 9752 |
| 6.4 | | 9/20/25-09/22/925 A | MR 3- 6 | 3723 9357 | 12.5 | | 9/11/26-09/16/926 A | SW 2- 1 | 3800 9533 |
| 6.1 | | 9/28/27-10/02/927 A | MR 3-14 | 3548 9342 | 9.9 | | 10/18/41-10/22/941 A | MR 6- 2 | 3834 9740 |
| | | 11/17/06-11/21/906 A | LNV 1- 4 | 3439 9028 | 9.7 | | 9/06/15-09/09/915 A | MR 2-11 | 3756 9510 |
| 29(9) | | | | | 28(4) | | | | |
| 7.4 | | 10/13/14-10/16/914 A | SA 2- 8 | 3546 8216 | 6.2 | | 10/03/10-10/06/910 A | DR 4- 8 | 3722 8829 |
| 7.1 | | 9/08/88-09/12/888 A | SA 3- 2 | 3411 8202 | 5.3 | | 9/28/98-10/01/898 A | LNV 1- 3A | 3653 8935 |
| 7.0 | | 10/26/18-10/31/918 A | SA 3-14 | 3502 8312 | 3.8(100- 9) | | 9/01/22-09/01/922 A | UMV 3- 9B | 3723 8940 |
| 6.9 | | 9/21/98-09/23/898 A | SA 2- 3 | 3600 8134 | 3.0 | | 10/30/19-11/01/919 A | LNV 1-13B | 3729 8618 |
| 5.7 | | 10/24/18-10/27/918 A | SA 2-10 | 3513 8214 | | | | | |
| 31(1) | | | | | 30(13) | | | | |
| 3.2 | | 10/03/25-10/06/925 R | - | 3317 11652 | 11.2 | | 9/13/24-09/17/924 A | SA 3-16 | 3444 7639 |
| | | | | | 9.4 | | 9/16/28-09/19/928 A | SA 2-15 | 3417 7952 |
| | | | | | 8.8 | | 10/11/42-10/17/942 A | SA 1-28B | 3515 7540 |
| | | | | | 8.6 | | 9/18/44-09/19/944 H | - | 3753 7843 |
| | | | | | 8.0 | | 9/28/70-10/01/870 H | - | 3741 7925 |
| 33(2) | | | | | 32(2) | | | | |
| 4.2 | | 9/15/19-09/17/919 A | GM 5-15B | 3341 10511 | 5.5 | | 9/03/70-09/07/970 H | - | 3349 11056 |
| 4.2 | | 9/27/41-09/29/941 A | SW 3- 1 | 3304 10602 | 2.5 | | 9/03/70-09/07/970 H | - | 3226 11042 |
| 35(10) | | | | | 34(2) | | | | |
| 26.2 | | 9/08/21-09/10/921 A | GM 4-12 | 3035 9718 | 15.4 | | 9/14/36-09/18/936 A | GM 5- 7 | 3147 10050 |
| 15.4 | | 9/26/46-09/27/946 A | GM 5-24 | 2920 9829 | 8.3 | | 9/20/41-09/23/941 A | GM 5-19 | 3210 10424 |
| 10.0 | | 11/22/40-11/25/940 A | GM 5-13 | 3008 9608 | | | | | |
| 8.9 | | 9/23/36-09/28/936 A | GM 5- 8 | 3201 9708 | | | | | |
| 7.6 | | 9/28/03-10/01/903 A | SW 1- 4 | 3537 9708 | | | | | |
| 37(6) | | | | | 36(12) | | | | |
| 11.7 | | 9/17/26-09/21/926 A | SA 4-23 | 3053 8747 | 12.9 | | 9/28/15-09/30/915 A | LNV 2-13 | 3051 9010 |
| 9.7 | | 11/06/43-11/08/943 A | GM 5-22 | 3126 8724 | 11.1 | | 9/06/93-09/10/893 A | LNV 3- 2 | 2947 9130 |
| 9.4 | | 11/19/31-11/21/931 A | LNV 1-18 | 3138 8819 | 10.9 | | 11/12/22-11/15/922 A | LNV 3-29 | 3002 9230 |
| 8.5 | | 9/28/98-10/01/898 A | GM 5- 8 | 3201 9708 | 10.7 | | 9/16/08-09/20/908 A | LNV 3-15 | 2945 9320 |
| 7.6 | | 9/29/29-10/03/929 A | SA 3-23 | 3058 8543 | 10.3 | | 9/19/09-09/22/909 A | LNV 3-16 | 3046 9122 |
| 39(3) | | | | | 38(6) | | | | |
| 10.4 | | 9/19/67-09/24/967 A | SW 3-24 | 2618 9955 | 26.3 | | 9/03/50-09/07/950 A | SA 5- 8 | 2903 8242 |
| 8.5 | | 9/12/79-09/15/919 A | GM 5-15A | 2821 9807 | 20.3 | | 10/17/41-10/22/941 A | SA 5- 6 | 2948 8055 |
| 7.6 | | 9/12/67-09/13/961 H | - | 2858 9557 | 18.1 | | 10/04/24-10/11/924 A | SA 4-20 | 2907 8055 |
| | | | | | 16.4 | | 9/23/29-09/28/929 A | SA 3-20 | 3156 8156 |
| | | | | | 14.3 | | 9/16/01-09/19/901 A | SA 2- 5 | 3204 8413 |

FIVE GREATEST OBSERVED 100 SQUARE MILE- 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

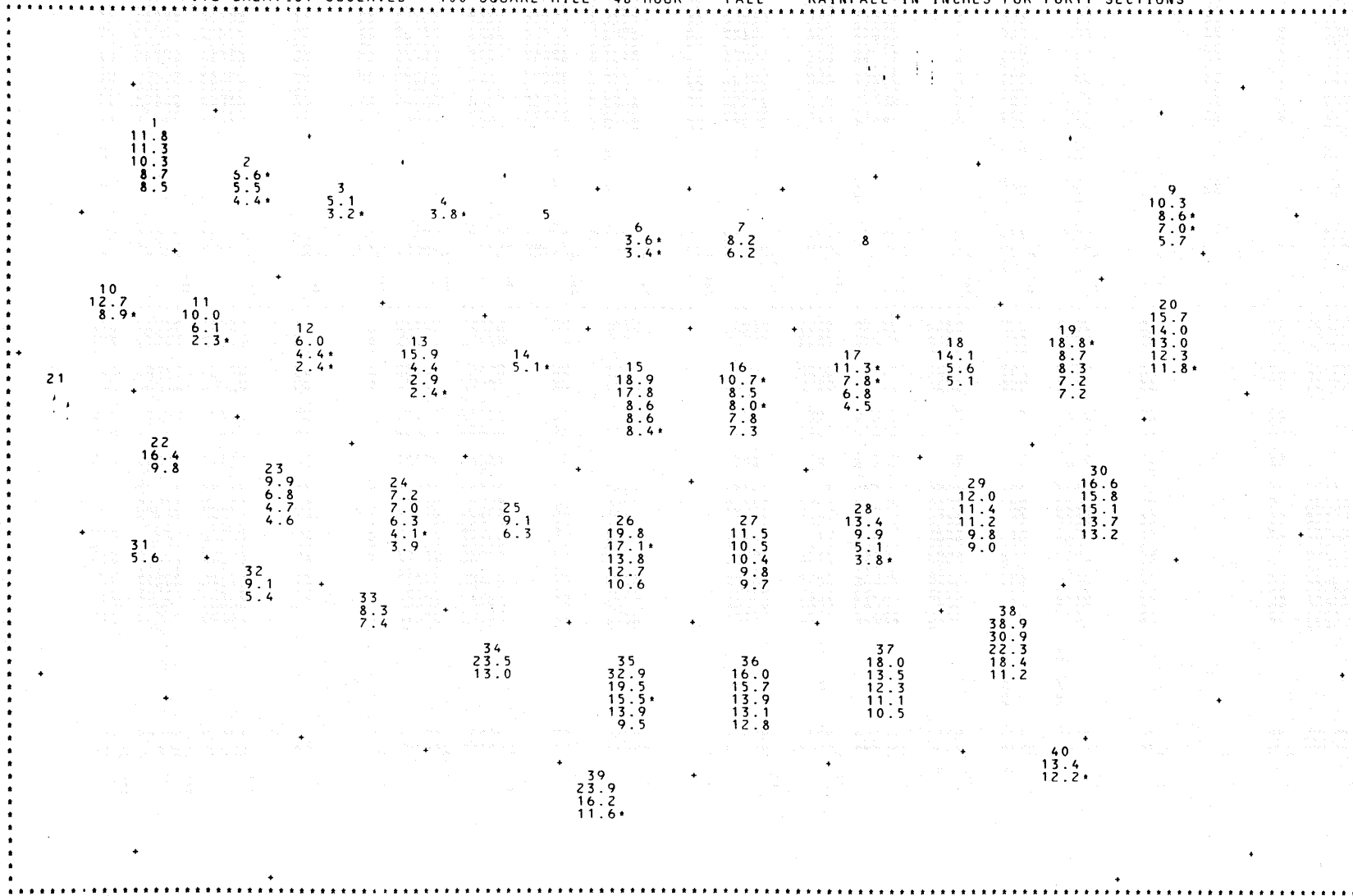


* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 100 SQUARE MILE - 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

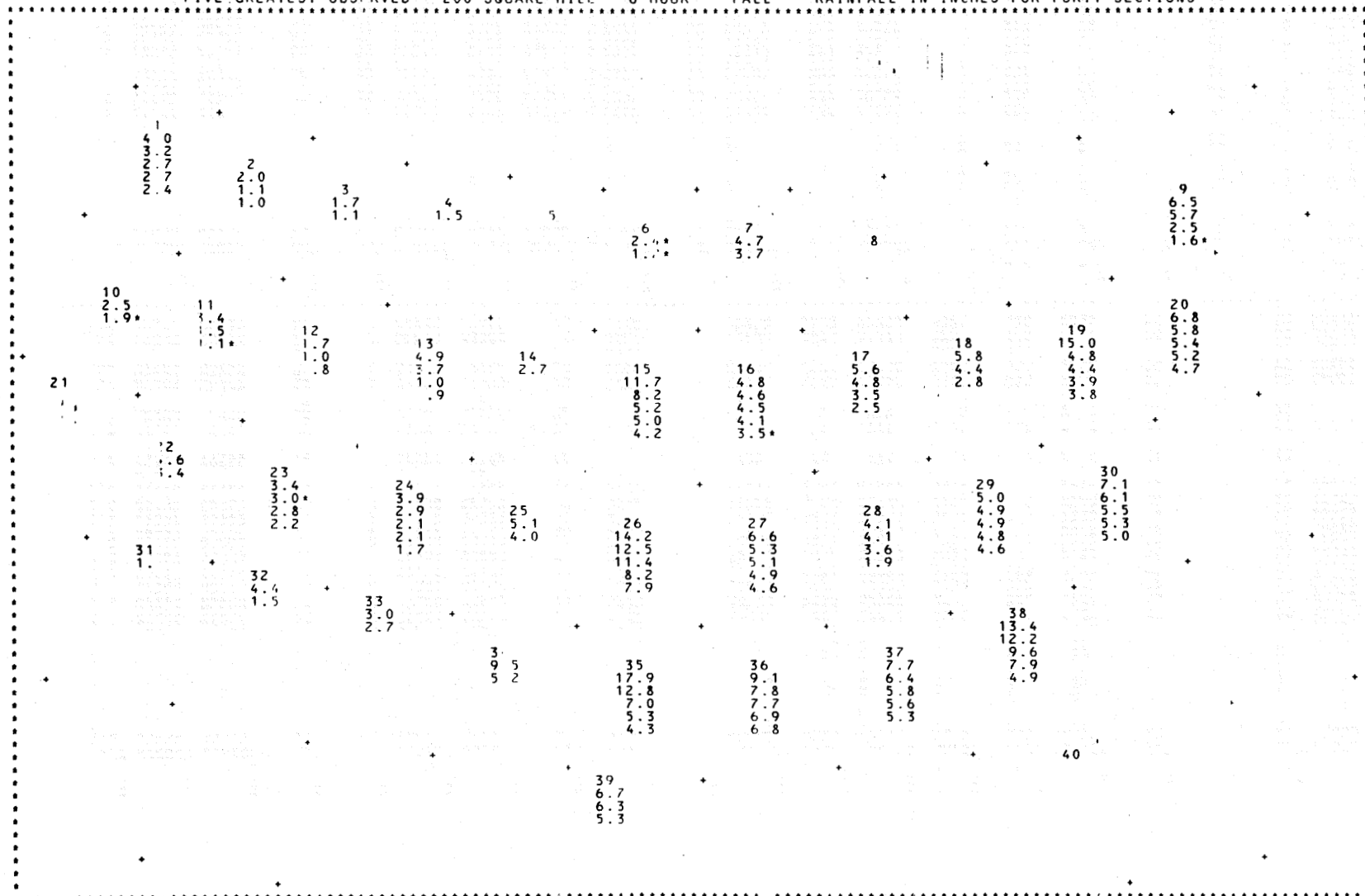
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|------------------|------------------|--------------------------|-------------------------|-------------------|------------------|------------------|--------------------------|-------------------------|-------------------|
| 1(7) | | | | | 2(3) | | | | |
| 8.5 | | 11/16/11-11/20/911 H | - | 4730 12330 | B 3.7 | | 11/17/46-11/20/946 R | - | 4410 11510 |
| 7.7 | | 11/18/21-11/22/921 H | - | 4548 12156 | B 3.6(200- 24) | | 11/17/09-11/20/909 H | - | 4812 11541 |
| 6.5 | | 10/26/37-10/28/937 H | - | 4840 12135 | B 2.6(200- 24) | | 11/18/21-11/21/921 R | - | 4425 11555 |
| 5.4 | | 10/13/30-10/20/930 A | - | 4409 12440 | | | | | |
| 5.1 | | 10/26/37-10/28/937 H | - | 4730 12330 | | | | | |
| 3(2) | | | | | 4(1) | | | | |
| 3.4 | | 9/03/11-09/06/911 A MR | 5-18 | 4855 11133 | 3.4 | | 9/06/41-09/08/941 A MR | 6-20 | 4525 10755 |
| 2.9 | | 9/27/19-09/28/919 A MR | 5-24 | 4834 11301 | | | | | |
| 5(0) | | | | | 6(2) | | | | |
| | | | | | 3.6(1000- 24) | | 10/09/49-10/10/949 H | - | 4817 9806 |
| | | | | | 3.1(1000- 24) | | 11/13/44-11/14/944 H | - | 4814 9740 |
| 7(2) | | | | | 8(0) | | | | |
| 6.1 | | 9/15/42-09/19/942 A UMW | 1-25 | 4437 9217 | | | | | |
| 5.5 | | 9/11/03-09/15/903 A UMW | 2- 3 | 4425 9203 | | | | | |
| 9(4) | | | | | 10(2) | | | | |
| 9.2 | | 11/02/27-11/04/927 A NA | 1-17 | 4403 7145 | B 8.2 | | 11/15/42-11/19/942 R | - | 3900 12030 |
| 8.5 | | 9/16/32-09/17/932 H | - | 4553 6909 | B 6.5(1921- 24) | | 11/15/50-11/21/950 H | - | 3910 12030 |
| 7.4 | | 10/13/30-10/20/930 A | - | 4410 12440 | | | | | |
| 4.8(2000- 24) | | 11/06/63-11/10/963 H | - | 4416 7118 | | | | | |
| 11(3) | | | | | 12(3) | | | | |
| 7.0 | | 11/18/09-11/23/909 A NP | 4- 6 | 4335 11540 | 4.4(100- 18) | | 10/11/28-10/14/928 H | - | 4020 11030 |
| B 4.4 | | 11/12/30-11/17/930 R | - | 4140 11525 | B 4.0 | | 11/18/46-11/20/946 R | - | 4350 11490 |
| B 2.2(5000- 24) | | 10/01/46-10/02/946 R | - | 4349 11512 | B 2.2(200- 24) | | 9/16/47-09/18/947 R | - | 4225 11208 |
| 13(4) | | | | | 14(1) | | | | |
| 9.0 | | 9/27/23-10/01/923 A MR | 4-23 | 4352 10547 | 5.1 | | 9/11/33-09/12/933 R | - | 4009 10113 |
| 4.1 | | 9/09/33-09/11/933 R | - | 3930 10506 | | | | | |
| 2.2 | | 10/04/11-10/08/911 R | - | 3901 10731 | | | | | |
| 1.8 | | 10/10/99-10/15/899 R | - | 3923 10806 | | | | | |
| 15(9) | | | | | 16(8) | | | | |
| 17.8 | | 9/17/26-09/19/926 A MR | 4-24 | 4312 9600 | 10.7 | | 9/05/58-09/06/958 H UMW | 3-20B | 4130 9440 |
| 11.3 | | 9/10/72-09/12/872 H | - | 4143 9515 | 7.8 | | 9/30/41-10/07/941 A UMW | 1- 7A | 4058 9023 |
| 8.3 | | 9/16/19-09/19/919 A MR | 2-23 | 4020 9734 | 7.7 | | 10/27/00-10/30/900 A UMW | 1- 7A | 4348 9115 |
| 8.1 | | 9/09/11-09/11/911 R | - | 3944 9506 | 7.3 | | 9/11/15-09/16/915 A UMW | 1-15 | 4258 9007 |
| 8.0 | | 9/06/09-09/09/909 A MR | 1-28 | 3904 9537 | 7.1(1000- 24) | | 9/11/61-09/13/961 H | - | 3941 9203 |
| 17(4) | | | | | 18(3) | | | | |
| 11.3 | | 10/09/54-10/10/954 H | - | 4145 8820 | 12.1 | | 9/10/78-09/13/878 A OR | 9-19 | 4145 8046 |
| 7.8(100- 21) | | 9/08/26-09/09/926 A DR | 4-22 | 3930 8811 | 5.6 | | 9/01/22-09/04/922 A OR | 1-27A | 3931 8445 |
| 5.8 | | 9/30/41-10/02/941 A UMW | 3-20C | 4135 8643 | 3.7 | | 9/01/22-09/04/922 A OR | 1-27B | 3955 8045 |
| 4.5 | | 9/26/26-10/05/926 H | - | 4008 8855 | | | | | |
| 19(9) | | | | | 20(12) | | | | |
| 18.8(100- 12) | | 9/01/40-09/01/940 H | - | 3942 7512 | 12.8 | | 10/07/03-10/11/903 A GL | 4- 9 | 4055 7410 |
| 8.7 | | 9/12/04-09/15/904 A NA | 1- 9 | 3935 7525 | 11.6(200- 24) | | 9/16/32-09/17/932 H | - | 4122 7150 |
| 7.1 | | 9/27/96-09/30/896 A SA | 1-19 | 3923 7822 | 11.1 | | 10/03/69-10/04/869 H NA | 1- 3 | 4150 7254 |
| 7.1 | | 9/24/02-09/27/902 A SA | 1- 5 | 3940 7606 | 10.6 | | 9/20/82-09/24/882 A NA | 1-15 | 4055 7410 |
| 6.9 | | 9/27/67-09/29/967 H | - | 4215 7825 | 10.2 | | 9/13/33-09/18/933 H | - | 4203 7017 |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 14.7 | | 11/13/50-11/21/950 R | - | 3630 11830 |
| | | | | | 8.7 | | 11/18/46-11/20/946 R | - | 3635 11835 |
| 23(4) | | | | | 24(8) | | | | |
| 7.1 | | 10/27/46-10/29/946 H | - | 3725 11402 | 6.5 | | 10/04/11-10/06/911 A SW | 2-30 | 3753 10739 |
| 6.4 | | 9/04/39-09/07/939 H | - | 3444 11337 | 6.3 | | 9/26/04-09/30/904 A SW | 1- 6 | 3552 10520 |
| 4.3 | | 11/25/05-11/28/905 H | - | 3413 11249 | 5.7 | | 9/03/70-09/07/970 H | - | 3738 10904 |
| 4.0 | | 10/10/47-10/15/947 H | - | 3418 11015 | 3.8(500- 24) | | 10/04/11-10/06/911 H | - | 3750 10920 |
| 25(2) | | | | | 3.1 | | 9/20/29-09/23/929 A SW | 2-28 | 3509 10539 |
| 9.1 | | 10/09/30-10/12/930 A SW | 2- 6 | 3512 10317 | 19.6 | | 9/02/40-09/06/940 A SW | 2-18 | 3615 9636 |
| 6.3 | | 10/18/08-10/19/908 A SW | 2-23 | 3803 10238 | 12.7 | | 10/10/75-10/11/973 H | - | 3625 9752 |
| 27(17) | | | | | 10.6 | | 9/11/26-09/16/926 A SW | 2- 1 | 3800 9533 |
| 9.2 | | 11/17/06-11/21/906 A LMV | 1- 4 | 3439 9028 | 10.4 | | 9/06/15-09/09/915 A MR | 2-11 | 3756 9510 |
| 8.9 | | 11/16/21-11/19/921 A SW | 1-24 | 3515 9144 | 10.4 | | 10/18/41-10/22/941 A MR | 6- 2 | 3834 9740 |
| 8.8 | | 10/07/19-10/12/919 A UMW | 3- 6B | 3444 9214 | | | | | |
| 8.4 | | 9/20/25-09/22/925 A MR | 3- 6 | 3723 9357 | | | | | |
| 8.2 | | 9/06/37-09/10/937 A SW | 2-15 | 3622 9413 | | | | | |
| 29(10) | | | | | 28(4) | | | | |
| 9.9 | | 9/08/88-09/12/888 A SA | 3- 2 | 3411 8202 | 8.9 | | 10/03/10-10/06/910 A DR | 4- 8 | 3722 8829 |
| 9.9 | | 10/13/14-10/16/914 A SA | 2- 8 | 3546 8216 | 8.1 | | 9/18/93-10/01/898 A LMV | 1- 3A | 3653 8935 |
| 8.2 | | 10/24/18-10/27/918 A SA | 2-10 | 3513 8214 | 4.1 | | 10/30/19-11/01/919 A LMV | 1-13B | 3729 8940 |
| 8.1 | | 9/21/98-09/23/898 A SA | 2- 3 | 3600 8134 | 3.8(100- 9) | | 9/01/22-09/01/922 A UMW | 3- 9B | 3729 8618 |
| 7.7 | | 10/26/18-10/31/918 A SA | 3-14 | 3502 8312 | | | | | |
| 31(1) | | | | | 30(13) | | | | |
| 5.1 | | 10/03/25-10/06/925 R | - | 3317 11652 | 12.9 | | 9/13/24-09/17/924 A SA | 3-16 | 3444 7639 |
| | | | | | 12.3 | | 9/18/44-09/19/944 H | - | 3753 7843 |
| | | | | | 11.8 | | 10/11/42-10/17/942 A SA | 1-28B | 3515 7540 |
| | | | | | 11.7 | | 9/28/70-10/01/870 H | - | 3741 7925 |
| | | | | | 11.4 | | 9/16/28-09/19/928 A SA | 2-15 | 3417 7952 |
| | | | | | 32(2) | | | | |
| | | | | | 8.6 | | 9/03/70-09/07/970 H | - | 3349 11056 |
| | | | | | 3.6 | | 9/03/70-09/07/970 H | - | 3226 11042 |
| 33(2) | | | | | 34(2) | | | | |
| 6.4 | | 9/15/19-09/17/919 A GH | 5-15B | 3341 10511 | 20.4 | | 9/14/36-09/18/936 A GH | 5- 7 | 3147 10050 |
| 5.4 | | 9/27/41-09/29/941 A SW | 3- 1 | 3304 10602 | 9.0 | | 9/20/41-09/23/941 A GH | 5-19 | 3210 10444 |
| 35(10) | | | | | 36(12) | | | | |
| 17.9 | | 9/08/21-09/10/921 A GH | 4-12 | 3035 9718 | 13.9 | | 9/28/15-09/30/915 A LMV | 2-13 | 3051 9010 |
| 17.6 | | 11/22/40-11/25/940 A GH | 5-13 | 3008 9608 | 13.6 | | 9/16/08-09/20/908 A LMV | 3-15 | 2945 9320 |
| 15.5 | | 9/26/46-09/27/946 A GH | 5-24 | 2920 9829 | 13.0 | | 9/30/37-10/04/937 A LMV | 4-22A | 2957 9004 |
| 11.5 | | 9/25/36-09/28/936 A GH | 5- 8 | 3301 9708 | 12.8 | | 9/19/09-09/22/909 A LMV | 3-16 | 3046 9122 |
| 9.0 | | 9/28/03-10/01/903 A SW | 1- 4 | 3337 9708 | 12.4 | | 11/12/22-11/15/922 A LMV | 3-29 | 3002 9230 |
| 37(7) | | | | | 38(7) | | | | |
| 16.7 | | 9/17/26-09/21/926 A SA | 4-23 | 3053 8747 | 33.2 | | 9/03/50-09/07/950 A SA | 5- 8 | 2903 8242 |
| 11.1 | | 11/06/43-11/08/943 A GH | 5-22 | 3126 8724 | 26.1 | | 10/17/41-10/22/941 A SA | 5- 6 | 2948 8257 |
| 10.5 | | 9/29/29-10/03/929 A SA | 3-23 | 3038 8543 | 21.8 | | 10/04/24-10/11/924 A SA | 4-20 | 2907 8055 |
| 10.1 | | 11/19/34-11/21/934 A LMV | 1-18 | 3138 8316 | 15.1 | | 9/23/29-09/28/929 A SA | 3-20 | 3156 8156 |
| 9.0 | | 9/28/98-10/01/898 A LMV | 1- 3 | 3025 8713 | 8.6 | | 9/16/01-09/19/901 A SA | 2- 5 | 3204 8413 |
| 39(3) | | | | | 40(2) | | | | |
| 17.6 | | 9/19/67-09/24/967 A SW | 3-24 | 2618 9955 | 11.5 | | 9/04/33-09/07/933 H | - | 2837 8146 |
| 10.7 | | 9/10/61-09/13/961 H | - | 2858 9557 | 11.3(200- 24) | | 9/24/94-09/26/894 H | - | 2827 8146 |
| 10.5 | | 9/14/19-09/15/919 A GH | 5-15A | 2821 9807 | | | | | |

FIVE GREATEST OBSERVED 100 SQUARE MILE- 48 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 100 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

FIVE GREATEST OBSERVED 200 SQUARE MILE- 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

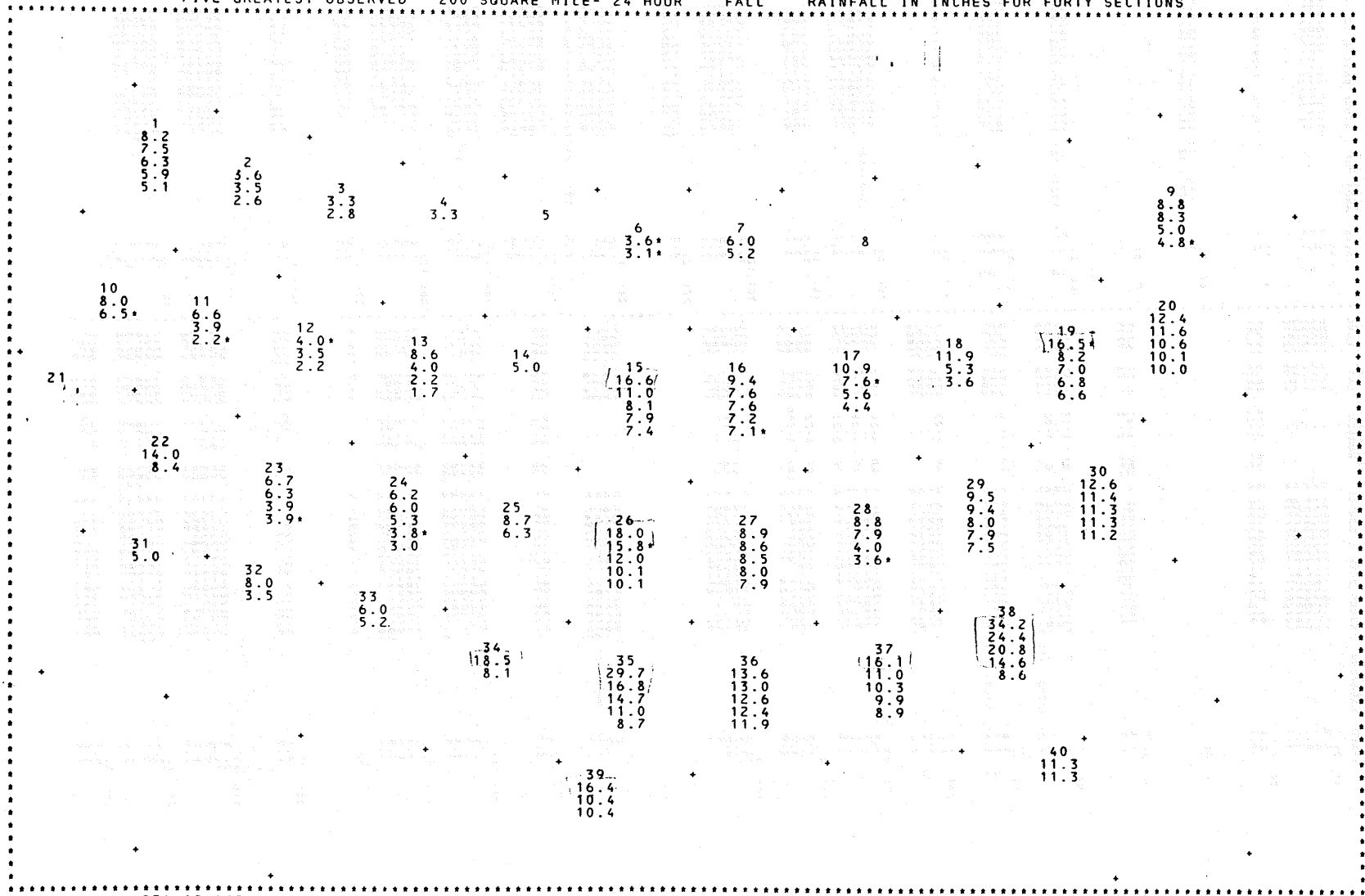


* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|------------------|-------------------|----------------------|-------------------------|-------------------|------------------|-------------------|----------------------|-------------------------|-------------------|
| 1(7) | | | | | 2(3) | | | | |
| 4.0 | | 11/16/11-11/20/911 H | - | 4730 12330 | 2.8 | | 11/17/09-11/20/909 H | - | 4812 11541 |
| 4.3 | | 11/18/21-11/22/921 H | - | 4548 12156 | B 2.1 | | 11/17/46-11/20/946 R | - | 4410 11510 |
| 4.2 | | 10/26/37-10/28/937 H | - | 4840 12135 | B 1.6 | | 11/18/21-11/21/921 R | - | 4425 11535 |
| 3.7 | | 10/18/30-10/26/930 A | - | 4600 12202 | | | | | |
| 3.3 | | 10/26/37-10/28/937 H | - | 4730 12330 | | | | | |
| 3(2) | | | | | 4(1) | | | | |
| 2.4 | | 9/03/11-09/06/911 A | MR 5-18 | 4855 11133 | 2.4 | | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 2.3 | | 9/27/19-09/28/919 A | MR 5-24 | 4834 11301 | | | | | |
| 5(0) | | | | | 6(2) | | | | |
| | | | | | 3.2(1000- 12) | | 10/09/40-10/10/949 H | - | 4817 9806 |
| | | | | | 2.1(1000- 12) | | 11/13/44-11/14/944 H | - | 4814 9740 |
| 7(2) | | | | | 8(0) | | | | |
| 5.6 | | 9/15/42-09/19/942 A | UMV 1-25 | 4457 9217 | | | | | |
| 4.9 | | 9/11/03-09/15/903 A | UMV 2- 3 | 4425 9203 | | | | | |
| 9(4) | | | | | 10(2) | | | | |
| 8.2 | | 11/02/27-11/04/927 A | WA 1-17 | 4403 7145 | B 4.5 | | 11/15/42-11/19/942 R | - | 3900 12030 |
| 7.8 | | 9/16/32-09/17/932 H | - | 4553 6909 | B 3.7(1921- 12) | | 11/15/30-11/21/950 H | - | 3910 12030 |
| 3.7 | | 10/18/30-10/26/930 A | - | 4440 7540 | | | | | |
| 2.9(2000- 12) | | 11/06/63-11/10/963 H | GL 1-26 | 4416 7118 | | | | | |
| 11(3) | | | | | 12(3) | | | | |
| 5.8 | | 11/18/09-11/23/909 A | WP 4- 6 | 4335 11540 | B 2.9 | | 10/11/28-10/14/928 H | - | 4020 11030 |
| 5.7 | | 11/12/30-11/17/930 R | - | 4140 11525 | B 2.0 | | 11/18/46-11/20/946 R | - | 4350 11400 |
| B 1.6(5000- 12) | | 10/01/46-10/02/946 R | - | 4349 11512 | B 1.5 | | 9/16/47-09/18/947 R | - | 4225 11208 |
| 13(4) | | | | | 14(1) | | | | |
| 8.0 | | 9/27/23-10/01/923 A | MR 4-23 | 4352 10547 | 3.4 | | 9/11/33-09/12/933 R | - | 4009 10113 |
| 3.8 | | 9/09/33-09/11/933 R | - | 3920 10506 | | | | | |
| B 1.6 | | 10/04/11-10/06/911 R | - | 3901 10731 | | | | | |
| 1.2 | | 10/10/99-10/15/899 R | - | 3923 10806 | | | | | |
| 15(9) | | | | | 16(8) | | | | |
| 15.8 | | 9/17/26-09/19/926 A | MR 4-24 | 4312 9600 | 7.6 | | 9/05/58-09/06/958 H | - | 4130 9440 |
| 9.3 | | 9/10/72-09/12/932 H | - | 4143 9515 | 6.1(1000- 12) | | 9/11/61-09/13/961 H | - | 3941 9203 |
| 7.4 | | 9/06/09-09/09/909 A | MR 1-28 | 3904 9537 | 5.5 | | 10/27/00-10/30/900 A | UMV 1- 7A | 4348 9115 |
| 7.3 | | 9/09/11-09/11/911 R | - | 3944 9506 | 5.5 | | 9/30/41-10/07/941 A | UMV 3-20B | 4058 9023 |
| 6.9 | | 9/16/19-09/19/919 A | MR 2-23 | 4020 9734 | 4.5 | | 9/10/28-09/14/928 A | MR 3-19 | 4043 9253 |
| 17(4) | | | | | 18(3) | | | | |
| 7.6 | | 9/08/26-09/09/926 A | DR 4-22 | 3930 8811 | 10.8 | | 9/10/78-09/13/878 A | DR 9-19 | 4145 8046 |
| 6.8 | | 10/09/54-10/10/954 H | - | 4145 8820 | 5.3 | | 9/01/22-09/04/922 A | DR 1-27A | 3931 8445 |
| 4.2 | | 9/30/41-10/07/941 A | UMV 3-20C | 4135 8645 | 3.4 | | 9/01/22-09/04/922 A | DR 1-27B | 3955 8045 |
| 2.9 | | 9/26/26-10/05/926 H | - | 4008 8855 | | | | | |
| 19(9) | | | | | 20(12) | | | | |
| 16.5 | | 9/01/40-09/01/940 H | - | 3942 7512 | 10.2 | | 9/16/32-09/17/932 H | - | 4122 7150 |
| 7.3 | | 9/12/04-09/15/904 A | NA 1- 9 | 3935 7525 | 8.7 | | 10/03/69-10/04/869 H | - | 4150 7254 |
| 5.6 | | 9/27/96-09/30/896 A | SA 1-19 | 3923 7822 | 8.6 | | 9/13/33-09/18/933 H | - | 4203 7017 |
| 5.2 | | 9/24/02-09/27/902 A | SA 1- 5 | 3940 7606 | 8.3 | | 9/20/82-09/24/882 A | NA 1- 3 | 4055 7410 |
| 3.4 | | 9/27/67-09/29/967 H | SA 1- 5 | 4215 7825 | 7.1 | | 10/07/03-10/11/903 A | GL 4- 9 | 4055 7410 |
| 21(0) | | | | | 22(2) | | | | |
| | | | | | 8.2 | | 11/13/50-11/21/950 R | - | 3630 11830 |
| | | | | | 5.9 | | 11/18/46-11/20/946 R | - | 3635 11835 |
| 23(4) | | | | | 24(8) | | | | |
| 5.2 | | 9/04/39-09/07/939 H | - | 3444 11337 | 5.0 | | 9/03/70-09/07/970 H | - | 3738 10904 |
| 3.8 | | 10/27/46-10/29/946 H | - | 3725 11402 | 4.2 | | 10/04/11-10/06/911 A | SM 2-30 | 3753 10739 |
| 3.1(500- 12) | | 11/25/05-11/28/905 H | - | 3413 11245 | 3.7 | | 9/26/04-09/30/904 A | SM 1- 6 | 3552 10320 |
| 2.8 | | 10/10/47-10/15/947 H | - | 3418 11015 | 2.7 | | 9/20/29-09/23/929 A | SM 2-28 | 3509 9539 |
| 25(2) | | | | | 2.5(500- 12) | | 10/04/11-10/06/911 H | - | 3750 10920 |
| 3.9 | | 10/18/08-10/19/908 A | SH 2-23 | 3803 10238 | 26(22) | | | | |
| 3.9 | | 10/09/30-10/12/930 A | SH 2- 6 | 3512 10317 | 17.6 | | 9/02/40-09/06/940 A | SM 2-18 | 3615 9636 |
| | | | | | 15.6 | | 10/10/73-10/11/973 H | - | 3625 9752 |
| | | | | | 11.7 | | 9/11/26-09/16/926 A | SM 2- 1 | 3800 9533 |
| | | | | | 9.6 | | 10/18/41-10/22/941 A | MR 6- 2 | 3834 9740 |
| | | | | | 9.2 | | 9/06/15-09/09/915 A | MR 2-11 | 3756 9519 |
| 27(17) | | | | | 28(4) | | | | |
| 6.7 | | 9/06/37-09/10/937 A | SH 2-15 | 3622 9413 | 6.2 | | 10/03/10-10/06/910 A | DR 4- 8 | 3722 8829 |
| 6.5 | | 10/16/05-10/19/905 A | UMV 3- 6 | 3538 9373 | 5.1 | | 9/28/98-10/01/898 A | LHV 1- 3A | 3653 8935 |
| 6.1 | | 9/20/25-09/22/925 A | MR 3- 6 | 3538 9357 | 3.6(200- 9) | | 9/01/22-09/01/922 A | UMV 3- 9B | 3723 8940 |
| 5.8 | | 9/28/27-10/02/927 A | MR 3-14 | 3548 9342 | 2.9 | | 10/30/19-11/01/919 A | LHV 1-13B | 3729 8618 |
| 5.8 | | 11/17/06-11/21/906 A | LHV 1- 4 | 3439 9028 | | | | | |
| 29(9) | | | | | 30(13) | | | | |
| 7.0 | | 10/13/14-10/16/914 A | SA 2- 8 | 3546 8216 | 11.0 | | 9/13/24-09/17/924 A | SA 3-16 | 3444 7639 |
| 6.9 | | 9/08/88-09/12/888 A | SA 3- 2 | 3411 8202 | 9.2 | | 9/16/28-09/19/928 A | SA 2-15 | 3417 7952 |
| 6.8 | | 9/21/98-09/23/898 A | SA 2- 5 | 3600 8134 | 8.3 | | 10/11/42-10/17/942 A | SA 1-28B | 3515 7540 |
| 6.8 | | 10/26/18-10/31/918 A | SA 3-14 | 3502 8312 | 7.9 | | 9/18/44-09/19/944 H | - | 3741 7925 |
| 5.6 | | 10/24/18-10/27/918 A | SA 2-10 | 3513 8214 | 7.6 | | 9/28/70-10/01/870 H | - | 3741 7925 |
| 31(1) | | | | | 32(2) | | | | |
| 3.1 | | 10/03/25-10/06/925 R | - | 3317 11652 | 5.9 | | 9/03/70-09/07/970 H | - | 3349 11056 |
| | | | | | 2.3 | | 9/03/70-09/07/970 H | - | 3226 11042 |
| 33(2) | | | | | 34(2) | | | | |
| 4.1 | | 9/15/19-09/17/919 A | GH 5-15B | 3341 10511 | 13.6 | | 9/14/36-09/18/936 A | GM 5- 7 | 3147 10050 |
| 4.0 | | 9/27/41-09/29/941 A | SM 3- 1 | 3304 10602 | 7.3 | | 9/20/41-09/23/941 A | GM 5-19 | 3210 10444 |
| 35(10) | | | | | 36(12) | | | | |
| 24.3 | | 9/08/21-09/10/921 A | GH 4-12 | 3035 9718 | 12.6 | | 9/28/15-09/30/915 A | LHV 2-13 | 3051 9010 |
| 14.6 | | 9/26/46-09/27/946 A | GH 5-24 | 2929 9829 | 10.6 | | 9/06/93-09/10/893 A | LHV 3- 2 | 2947 9130 |
| 9.7 | | 11/22/40-11/25/940 A | GH 5-13 | 3008 9608 | 10.1 | | 9/16/08-09/20/908 A | LHV 3-15 | 2945 9320 |
| 9.4 | | 9/23/36-09/28/936 A | GH 5- 8 | 3201 9708 | 9.8 | | 9/19/09-09/22/909 A | LHV 3-20 | 3053 7843 |
| 8.4 | | 9/28/05-10/01/905 A | SM 1- 4 | 3337 9708 | 9.7 | | 11/12/22-11/15/922 A | LHV 3-29 | 3002 9250 |
| 37(6) | | | | | 38(6) | | | | |
| 11.2 | | 9/17/26-09/21/926 A | SA 4-23 | 3033 8747 | 25.6 | | 9/03/50-09/07/950 A | SA 5- 8 | 2903 8242 |
| 9.3 | | 11/06/43-11/08/943 A | GM 5-22 | 3129 8724 | 18.2 | | 10/17/41-10/22/941 A | SA 5- 6 | 2948 8257 |
| 9.1 | | 11/19/34-11/21/934 A | LHV 1-18 | 3138 8819 | 17.3 | | 10/04/46-10/11/924 A | SA 4-20 | 2907 8055 |
| 8.4 | | 9/28/98-10/01/898 A | LHV 1- 3 | 3025 8713 | 12.1 | | 9/23/29-09/28/929 A | SA 3-20 | 3156 8156 |
| 7.5 | | 9/29/29-10/03/929 A | SA 3-23 | 3038 8543 | 8.2 | | 9/16/01-09/19/901 A | SA 2- 5 | 3204 8413 |
| 39(3) | | | | | 40(0) | | | | |
| 9.7 | | 9/19/67-09/24/967 A | SH 3-24 | 2618 9955 | | | | | |
| 8.2 | | 9/14/19-09/15/919 A | GH 5-15A | 2821 9807 | | | | | |
| 7.3 | | 9/27/61-09/13/961 H | - | 2858 9557 | | | | | |

FIVE GREATEST OBSERVED 200 SQUARE MILE- 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

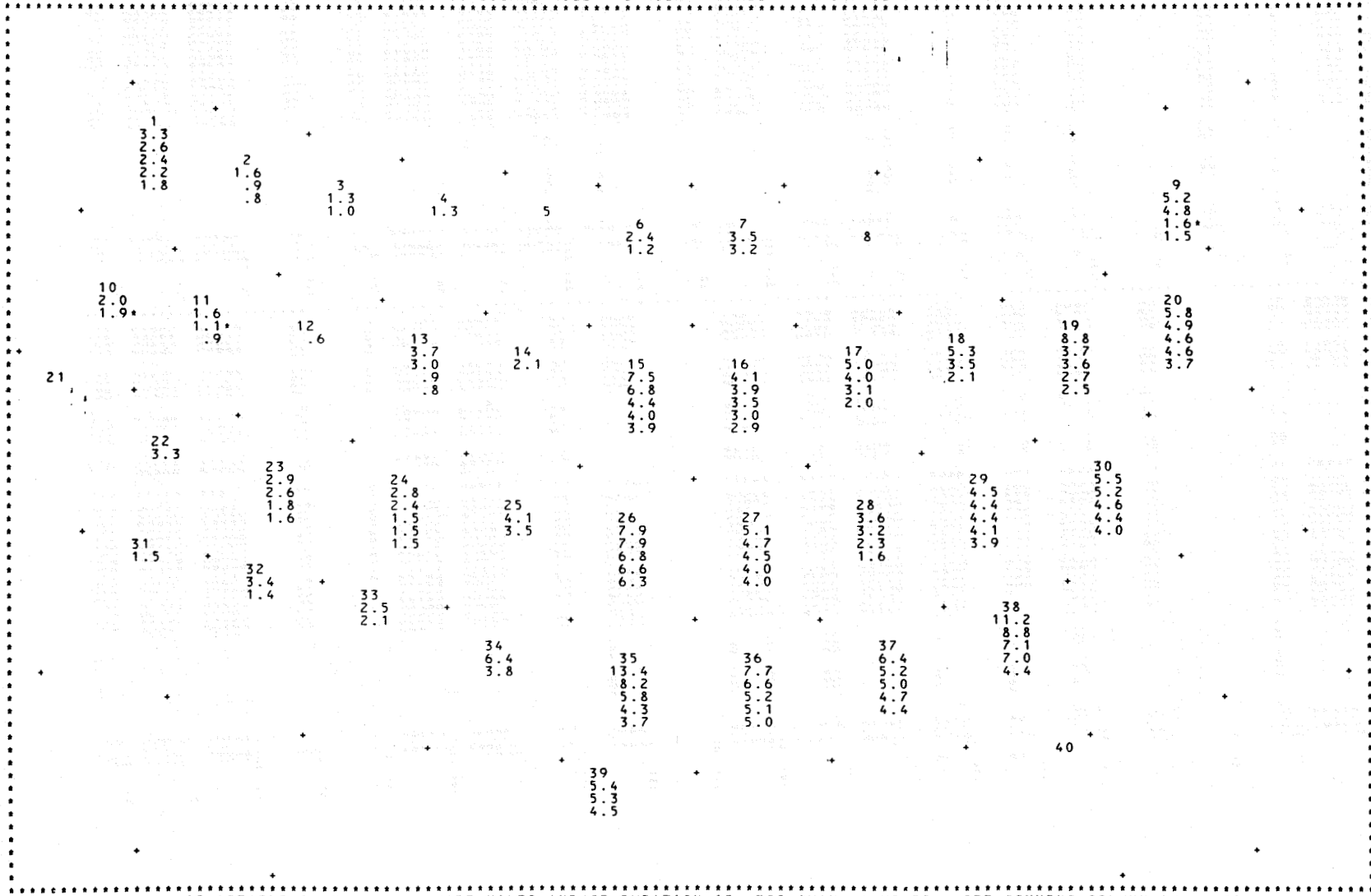


* AREA IS GREATER THAN 200 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 200 SQUARE MILE - 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

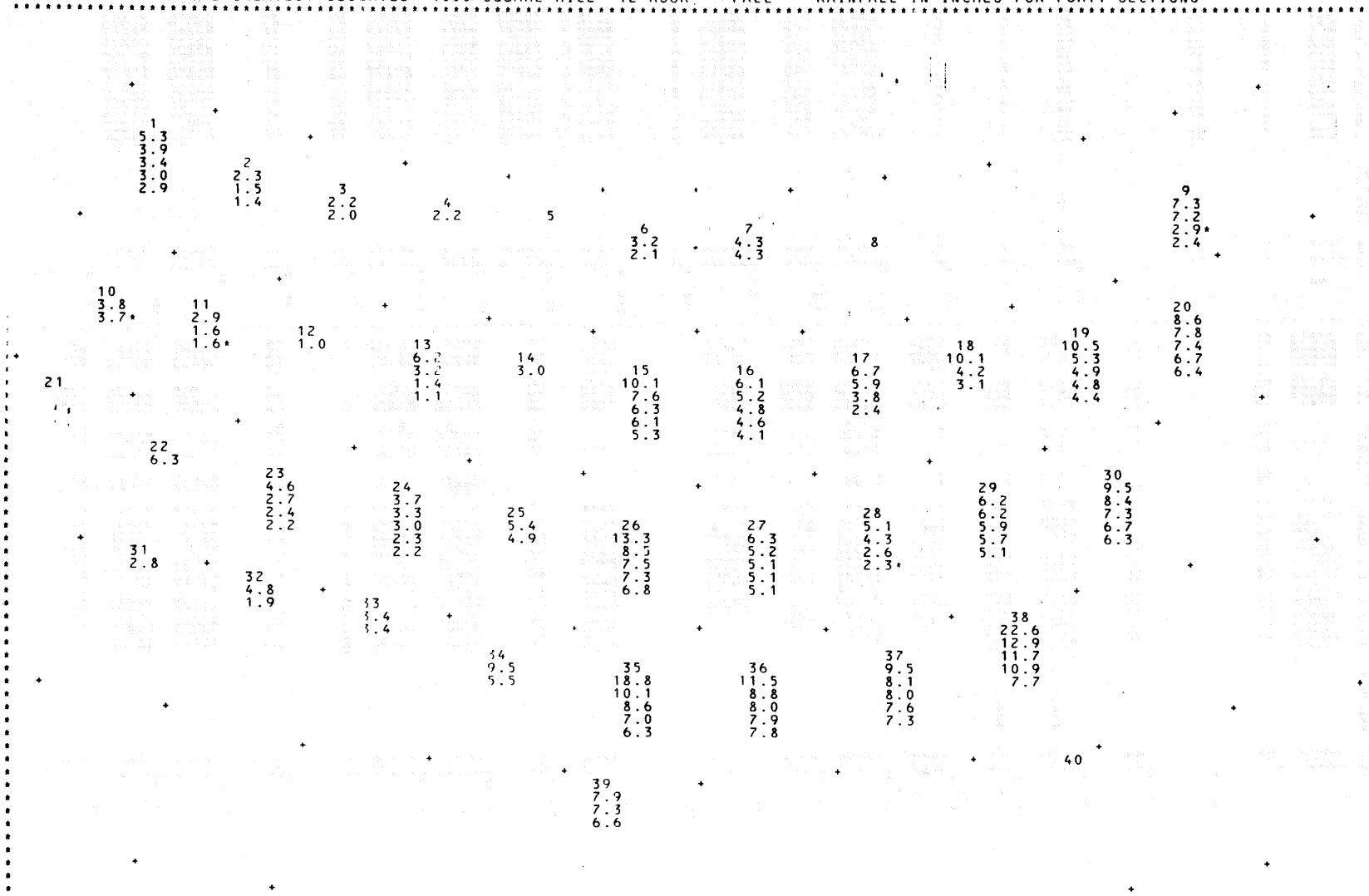
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|---------|-------------------|----------------------|-------------------------|-------------------|---------|-------------------|------------------------------|-------------------------|-------------------|
| 1(7) | 8.2 | 11/18/11-11/20/911 H | - | 4730 12330 | 2(3) | 3.6 | 11/17/09-11/20/909 H | - | 4812 11541 |
| 8.2 | | 11/18/21-11/22/921 H | - | 4568 12156 | B 3.3 | | 11/17/46-11/20/946 R | - | 4410 11510 |
| 6.3 | | 10/26/37-10/28/937 H | - | 4840 12135 | B 2.6 | | 11/18/21-11/21/921 R | - | 4425 11555 |
| 3.9 | | 10/21/34-10/26/934 H | - | 4609 12202 | | | | | |
| 5.1 | | 10/26/37-10/28/937 H | - | 4730 12330 | | | | | |
| 3(2) | 2.3 | 9/03/11-09/06/911 A | MR 5-18 | 4855 11133 | 4(1) | 3.3 | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 2.8 | | 9/27/19-09/28/919 A | MR 5-24 | 4834 11301 | | | | | |
| 5(0) | | | | | 6(2) | 3.6 | 1000-24 10/09/49-10/10/949 H | - | 4817 9806 |
| | | | | | 3.1 | | 1000-24 11/13/44-11/14/944 H | - | 4814 9740 |
| 7(2) | 6.0 | 9/15/42-09/19/942 A | UMV 1-25 | 4457 9217 | 8(0) | | | | |
| 5.2 | | 9/11/03-09/13/903 A | UMV 2-3 | 4425 9203 | | | | | |
| 9(4) | 8.8 | 11/02/27-11/04/927 A | NA 1-17 | 4403 7145 | 10(2) | 8.0 | 11/15/42-11/19/942 R | - | 3900 12030 |
| 8.3 | | 9/16/32-09/17/932 H | - | 4533 6909 | B 6.5 | | 1921-24 11/15/50-11/21/950 H | - | 3910 12030 |
| 5.0 | | 10/18/30-10/20/930 A | GL 1-26 | 4410 7540 | | | | | |
| 4.8 | 2000-24 | 11/06/63-11/10/963 H | - | 4416 7118 | | | | | |
| 11(3) | 6.6 | 11/18/09-11/23/909 A | NP 4-6 | 4335 11540 | 12(3) | 4.0 | 200-18 10/11/28-10/14/928 H | - | 4020 11030 |
| B 3.9 | | 11/12/30-11/17/930 R | - | 4140 11525 | B 3.5 | | 11/18/46-11/20/946 R | - | 4350 11400 |
| B 2.2 | 5000-24 | 10/01/46-10/02/946 R | - | 4349 11512 | B 2.2 | | 9/16/47-09/18/947 R | - | 4225 11208 |
| 13(4) | 8.6 | 9/27/23-10/01/923 A | MR 4-23 | 4352 10547 | 14(1) | 5.0 | 9/11/33-09/12/933 R | - | 4009 10113 |
| 4.0 | | 9/09/33-09/11/933 R | - | 3930 10506 | | | | | |
| B 2.2 | | 10/04/11-10/06/911 R | - | 3901 10731 | | | | | |
| 1.7 | | 10/10/99-10/15/99 R | - | 3923 10806 | | | | | |
| 15(9) | 16.6 | 9/17/26-09/19/926 A | MR 4-24 | 4312 9600 | 16(8) | 9.4 | 9/05/58-09/06/958 H | - | 4130 9440 |
| 11.0 | | 9/10/72-09/12/972 H | - | 4143 9115 | 7.6 | | 9/30/41-10/07/941 A | UMV 3-20B | 4058 9023 |
| 8.1 | | 9/16/19-09/19/919 A | MR 2-23 | 4020 9736 | 7.2 | | 10/27/00-10/30/900 A | UMV 1-7A | 4348 9115 |
| 7.9 | | 9/06/09-09/09/909 A | MR 1-28 | 3904 9537 | 7.1 | | 9/11/13-09/16/915 A | UMV 1-15 | 4258 9007 |
| 7.4 | | 9/09/11-09/11/911 R | - | 3944 9506 | 7.1 | 1000-24 | 9/11/61-09/13/961 H | - | 3941 9203 |
| 17(4) | 10.9 | 10/09/54-10/10/954 H | - | 4145 8820 | 18(3) | 11.9 | 9/10/78-09/13/878 A | OR 9-16 | 4145 8734 |
| 7.6 | 200-21 | 9/08/26-09/09/926 A | OR 4-22 | 3930 8811 | 5.3 | | 9/01/22-09/04/922 A | OR 1-27A | 3931 8734 |
| 5.1 | | 9/20/41-10/07/941 A | UMV 3-20C | 4135 8643 | 3.6 | | 9/01/22-09/04/922 A | OR 1-27B | 3955 8643 |
| 4.4 | | 9/26/26-10/05/926 H | - | 4008 8853 | | | | | |
| 19(9) | 16.5 | 9/01/40-09/01/940 H | - | 3942 7512 | 20(12) | 12.4 | 10/07/03-10/11/903 A | GL 4-9 | 4055 7410 |
| 8.2 | 200-12 | 9/12/04-09/15/904 A | NA 1-9 | 3935 7525 | 11.6 | | 9/16/32-09/17/932 H | - | 4122 7150 |
| 7.0 | | 9/27/96-09/30/98 A | SA 1-19 | 3923 7822 | 10.6 | | 10/03/69-10/04/869 H | - | 4150 7254 |
| 6.8 | | 9/24/02-09/27/902 A | SA 1-5 | 3940 7606 | 10.1 | | 9/20/82-09/24/882 A | NA 1-3 | 4055 7410 |
| 6.6 | | 9/27/67-09/29/967 H | - | 4215 7825 | 10.0 | | 9/13/35-09/18/933 H | - | 4203 7017 |
| 21(0) | | | | | 22(2) | 14.0 | 11/13/50-11/21/950 R | - | 3630 11830 |
| | | | | | 8.4 | | 11/18/46-11/20/946 R | - | 3635 11833 |
| 23(4) | 6.7 | 10/27/46-10/29/946 H | - | 3725 11402 | 24(8) | 6.2 | 9/26/04-09/30/904 A | SM 1-6 | 3552 10520 |
| 6.3 | | 9/04/39-09/07/939 H | - | 3444 11357 | 6.0 | | 10/04/11-10/06/911 A | SM 2-30 | 3755 10759 |
| 3.9 | 500-24 | 10/10/47-10/15/947 H | - | 3418 11015 | 5.3 | | 9/03/70-09/07/970 H | - | 3738 10904 |
| 3.9 | | 11/25/05-11/28/905 H | - | 3413 11245 | 3.8 | 500-24 | 10/04/11-10/06/911 H | - | 3750 10920 |
| | | | | | 3.0 | | 9/20/29-09/23/929 A | SM 2-28 | 3509 10539 |
| 25(2) | 8.7 | 10/09/30-10/12/930 A | SM 2-6 | 3512 10317 | 26(22) | 18.0 | 9/02/40-09/06/940 A | SM 2-18 | 3615 9636 |
| 6.3 | | 10/18/08-10/19/908 A | SM 2-23 | 3803 10238 | 15.8 | 200-14 | 10/10/73-10/11/973 H | SM 2-18 | 3625 9752 |
| | | | | | 12.0 | | 9/11/26-09/16/926 A | SM 2-1 | 3800 9535 |
| | | | | | 10.1 | | 10/18/41-10/22/941 A | MR 6-2 | 3834 9740 |
| | | | | | 10.1 | | 9/06/15-09/09/915 A | MR 2-11 | 3756 9510 |
| 27(17) | 8.9 | 11/17/06-11/21/906 A | LHV 1-4 | 3439 9028 | 28(4) | 8.8 | 10/03/10-10/06/910 A | OR 4-8 | 3722 8829 |
| 8.6 | | 11/16/21-11/19/921 A | LHV 1-24 | 3515 9144 | 7.9 | | 9/28/98-10/01/898 A | LHV 1-8A | 3653 8935 |
| 8.5 | | 10/07/19-10/12/919 A | UMV 3-6B | 3544 9214 | 4.0 | | 10/30/19-11/01/919 A | LHV 1-13B | 3729 8618 |
| 8.0 | | 9/20/23-09/22/925 A | MR 3-6 | 3544 9214 | 3.6 | 200-9 | 9/01/22-09/01/922 A | UMV 3-9B | 3723 8940 |
| 7.9 | | 9/06/37-09/10/937 A | SM 2-15 | 3622 9413 | | | | | |
| 29(10) | 9.5 | 9/08/88-09/12/888 A | SA 3-2 | 3411 8202 | 30(13) | 12.6 | 9/13/24-09/17/924 A | SA 3-16 | 3444 7639 |
| 9.4 | | 10/13/14-10/16/914 A | SA 2-8 | 3546 8216 | 11.4 | | 10/11/42-10/17/942 A | SA 1-28B | 3515 7540 |
| 8.0 | | 9/21/98-09/23/898 A | SA 5-3 | 3600 8134 | 11.3 | | 9/02/35-09/06/935 A | SA 1-26 | 3846 7601 |
| 7.9 | | 10/24/18-10/27/918 A | SA 5-10 | 3513 8234 | 11.2 | | 9/18/44-09/19/944 H | SA 2-15 | 3753 7843 |
| 7.5 | | 10/26/18-10/31/918 A | SA 3-14 | 3502 8312 | | | 9/16/28-09/19/928 A | SA 2-15 | 3417 7952 |
| 31(1) | 5.0 | 10/03/25-10/06/925 R | - | 3317 11652 | 32(2) | 8.0 | 9/03/70-09/07/970 H | - | 3549 11056 |
| | | | | | 3.5 | | 9/03/70-09/07/970 H | - | 3526 11042 |
| 33(2) | 6.0 | 9/15/19-09/17/919 A | GH 5-15B | 3341 10511 | 34(2) | 18.5 | 9/14/36-09/18/936 A | GH 5-7 | 3147 10050 |
| 5.2 | | 9/27/41-09/29/941 A | SM 3-1 | 3304 10602 | 8.1 | | 9/20/41-09/23/941 A | GH 5-19 | 3210 10444 |
| 35(10) | 29.7 | 9/08/21-09/10/921 A | GH 4-12 | 3035 9718 | 36(12) | 13.6 | 9/28/15-09/30/915 A | LHV 2-13 | 3051 9010 |
| 16.8 | | 11/22/40-11/25/940 A | GH 5-13 | 3008 9608 | 13.0 | | 9/16/08-09/20/908 A | LHV 3-15 | 2945 9320 |
| 14.7 | | 9/26/46-09/27/946 A | GH 3-24 | 2920 9829 | 12.6 | | 9/30/37-10/04/937 A | LHV 4-22A | 2957 9004 |
| 11.0 | | 9/25/36-09/28/936 A | GH 5-8 | 3201 9708 | 12.4 | | 9/19/09-09/22/909 A | LHV 3-16 | 3046 9122 |
| 8.7 | | 9/28/03-10/01/903 A | SM 1-4 | 3337 9708 | 11.9 | | 9/06/93-09/10/893 A | LHV 3-2 | 2947 9130 |
| 37(7) | 16.1 | 9/17/26-09/21/926 A | SA 4-23 | 3033 8747 | 38(7) | 34.2 | 9/03/50-09/07/950 A | SA 5-8 | 2903 8242 |
| 11.0 | | 11/06/43-11/08/943 A | GH 5-23 | 3026 8724 | 26.4 | | 10/17/41-10/22/941 A | SA 5-6 | 2948 8257 |
| 10.3 | | 9/29/29-10/03/929 A | SA 3-25 | 3038 8543 | 20.8 | | 10/04/24-10/11/924 A | SA 4-20 | 2907 8055 |
| 9.9 | | 11/19/34-11/21/934 A | LHV 1-18 | 3138 8819 | 14.6 | | 9/23/29-09/28/929 A | SA 3-20 | 3156 8156 |
| 8.9 | | 9/28/98-10/01/898 A | LHV 1-3 | 3025 8713 | 8.6 | | 9/16/01-09/19/901 A | SA 2-5 | 3204 8413 |
| 39(3) | 16.4 | 9/19/67-09/24/967 A | SM 3-24 | 2618 9955 | 40(2) | 11.3 | 9/24/94-09/26/894 H | - | 2827 8146 |
| 10.4 | | 9/10/61-09/13/961 H | GH 5-15A | 2852 9557 | 11.3 | | 9/04/33-09/07/933 H | - | 2827 8146 |
| 10.4 | | 9/14/19-09/15/919 A | GH 5-15A | 2821 9807 | | | | | |

FIVE GREATEST OBSERVED 1000 SQUARE MILE- 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

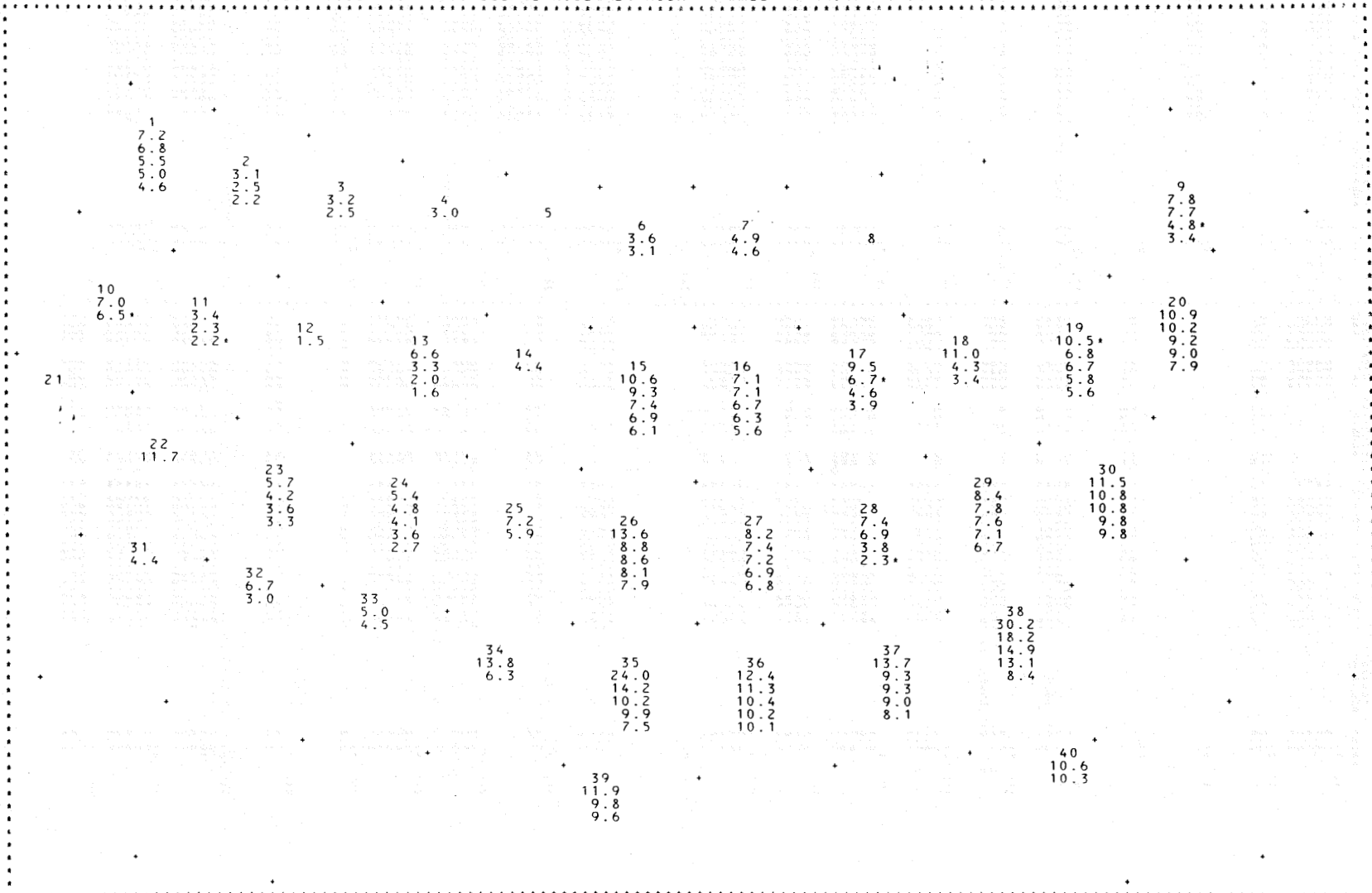
FIVE GREATEST OBSERVED 1000 SQUARE MILE- 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED | | | | 1000 SQUARE MILE - 12 HOUR | | FALL RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | |
|--|-----------------------------------|--|--|--------------------------------------|---|--|-------------------------------------|---|--|--------------------------------------|---|
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(7) | 5.3 3.9 3.4 3.0 2.9 | 11/16/11-11/20/911 H 11/18/21-11/22/921 H 10/26/37-10/28/937 H 10/26/37-10/28/937 H 10/21/34-10/26/934 H | - - - - - | 4730 4548 4840 4730 4609 | 12330 12156 12135 12330 12202 | 2(3) | 2.3 1.5 1.4 | 11/17/09-11/20/909 H 11/17/46-11/20/946 R 11/18/21-11/21/921 R | - - - | 4812 4410 4425 | 11541 11510 11555 |
| 3(2) | 2.2 2.0 | 9/03/11-09/06/911 A 9/27/19-09/28/919 A | MR 5-18 MR 5-24 | 4855 4834 | 11133 11301 | 4(1) | 2.2 | 9/06/41-09/08/941 A | MR 6-20 | 4525 | 10755 |
| 5(0) | | | | | | 6(2) | 3.2 2.1 | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - - | 4817 4814 | 9806 9740 |
| 7(2) | 4.3 4.3 | 9/11/03-09/15/903 A 9/15/42-09/19/942 A | UMV 2-3 UMV 1-25 | 4425 4457 | 9203 9217 | 8(0) | | | | | |
| 9(4) | 7.3 7.2 2.9 2.4 | 11/02/27-11/04/927 A 9/15/32-09/17/932 H 11/06/63-11/10/963 H 10/18/30-10/20/930 A | HA 1-17 - GL 1-26 - | 4403 4553 4416 4410 | 7145 6909 7118 7540 | 10(2) | 3.8 3.7 | 11/15/42-11/19/942 R 11/15/50-11/21/950 H | - - | 3900 3910 | 12030 12030 |
| 11(3) | 2.9 1.6 1.6 | 11/18/09-11/23/909 A 11/12/30-11/17/930 R 10/01/46-10/02/946 R | MR 4-6 - - | 4335 4140 4349 | 11540 11525 11512 | 12(1) | B 1.0 | 9/16/47-09/18/947 R | - | 4225 | 11208 |
| 13(4) | 3.2 3.2 1.4 1.1 | 9/27/23-10/01/923 A 9/09/33-09/11/933 R 10/04/11-10/06/911 R 10/10/99-10/15/899 R | MR 4-23 - - - | 4352 3930 3901 3923 | 10547 10506 10731 10806 | 14(1) | 3.0 | 9/11/33-09/12/933 R | - | 4009 | 10113 |
| 15(9) | 10.1 7.6 6.3 6.1 5.3 | 9/17/26-09/19/926 A 9/10/72-09/12/972 H 9/06/09-09/09/909 A 9/16/19-09/19/919 A 9/07/00-09/11/900 A | MR 4-24 - MR 1-28 MR 2-23 UMV 1-6 | 4312 4143 3904 4020 4241 | 9600 9515 9537 9734 9640 | 16(7) | 6.1 5.2 4.8 4.6 4.1 | 9/11/61-09/13/961 H 9/30/41-10/07/941 A 9/05/58-09/06/958 H 10/27/00-10/30/900 A 9/10/28-09/14/928 A | UMV 3-20B - UMV 1-7A MR 3-19 | 3941 4058 4130 4348 4043 | 9203 9023 9440 9115 9253 |
| 17(4) | 6.7 5.9 3.8 2.4 | 9/08/26-09/09/926 A 10/09/54-10/10/954 H 9/30/41-10/07/941 A 9/26/26-10/05/926 H | DR 4-22 - UMV 3-20C - | 3930 4145 4135 4008 | 8811 8820 8645 8855 | 18(3) | 10.1 4.2 3.1 | 9/10/78-09/13/878 A 9/01/22-09/04/922 A 9/01/22-09/04/922 A | DR 0-19 DR 1-27A DR 1-27B | 4145 3931 3955 | 8046 8445 8045 |
| 19(9) | 10.5 5.3 4.9 4.4 4.4 | 9/01/40-09/01/940 H 9/27/96-09/30/896 A 9/12/04-09/15/904 A 9/27/67-09/29/967 H 9/24/02-09/27/902 A | - SA 1-19 NA 1-9 - SA 1-5 | 3942 3923 3418 4215 3940 | 7512 7822 11645 7825 7606 | 20(12) | 8.6 7.8 4.8 6.7 6.4 | 9/16/32-09/17/932 H 9/13/35-09/18/933 H 10/03/69-10/04/869 H 9/20/82-09/24/882 A 10/07/03-10/11/903 A | - - NA 1-3 GL 4-9 | 4122 4201 4150 4055 4055 | 7150 7017 7254 7410 7410 |
| 21(0) | | | | | | 22(1) | 6.3 | 11/13/50-11/21/950 R | - | 3630 | 11830 |
| 23(4) | 4.6 2.7 2.6 2.2 | 9/04/39-09/07/939 H 11/25/05-11/28/905 H 10/10/47-10/15/947 H 10/27/46-10/29/946 H | - - - - | 3444 3413 3418 3725 | 11337 11645 11645 11402 | 24(8) | 3.7 3.3 3.0 2.3 2.2 | 9/03/70-09/07/970 H 9/26/04-09/30/904 A 10/04/11-10/06/911 A 10/04/11-10/06/911 H 9/20/29-09/23/929 A | A SW 1-6 SW 2-30 H SW 2-28 | 3738 3552 3753 3750 3509 | 10904 10520 10739 10920 10539 |
| 25(2) | 3.4 4.9 | 10/18/08-10/19/908 A 10/09/30-10/12/930 A | SW 2-23 SW 2-6 | 3803 3512 | 10238 10317 | 26(20) | 13.3 8.5 7.3 7.3 6.8 | 9/02/40-09/06/940 A 9/11/26-09/16/926 A 10/19/08-10/24/908 A 10/18/41-10/22/941 A 9/04/01-09/08/901 A | SW 2-18 SW 2-1 SW 1-11 MR 6-2 MR 1-6 | 3615 3800 3530 3834 3827 | 9636 9533 9654 9740 9954 |
| 27(17) | 6.3 6.2 5.1 5.1 5.1 | 10/16/05-10/19/905 A 9/06/37-09/10/937 A 11/17/06-11/21/906 A 9/13/23-09/20/925 A 9/20/25-09/22/925 A | UMV 2-6 SW 2-15 LHV 1-1 SW 1-26 MR 3-6 | 3838 3622 3439 3628 3723 | 9113 9413 9028 9438 9357 | 28(4) | 5.1 4.3 7.4 2.3 | 10/03/10-10/06/910 A 9/28/98-10/01/898 A 10/30/19-11/01/919 A 9/01/22-09/01/922 A | DR 4-8 LHV 1-3A LHV 1-13B UMV 3-9B | 3722 3653 3729 3723 | 8829 8935 8818 8940 |
| 29(9) | 6.2 6.2 5.9 5.7 5.1 | 9/08/88-09/12/888 A 10/26/18-10/31/918 A 9/21/98-09/23/898 A 10/13/14-10/16/914 A 10/24/18-10/27/918 A | SA 3-2 SA 3-14 SA 2-3 SA 8 SA 2-10 | 3411 3502 3600 3546 3513 | 8202 8312 8134 8216 8214 | 30(13) | 9.5 8.4 7.3 6.7 6.3 | 9/13/24-09/17/924 A 9/16/28-09/19/928 A 10/11/42-10/17/947 A 9/28/70-10/01/870 H 9/02/35-09/06/935 A | SA 3-16 SA 2-15 SA 1-28B H SA 1-26 | 3444 3417 3515 7741 3846 | 7639 7952 7540 7925 7601 |
| 31(1) | 2.8 | 10/03/25-10/06/925 R | - | 3317 | 11652 | 32(2) | 4.8 1.9 | 9/03/70-09/07/970 H 9/03/70-09/07/970 H | - - | 3349 3226 | 11056 11042 |
| 33(2) | 3.4 3.4 | 9/15/19-09/17/919 A 9/27/41-09/29/941 A | GM 5-15B SW 3-1 | 3341 3304 | 10511 10602 | 34(2) | 9.5 5.5 | 9/14/36-09/18/936 A 9/20/41-09/23/941 A | GM 5-7 GM 5-19 | 3147 3210 | 10050 10444 |
| 35(10) | 18.8 10.1 8.6 7.0 6.3 | 9/08/21-09/10/921 A 9/26/46-09/27/946 A 11/22/40-11/25/940 A 9/25/36-09/28/936 A 9/28/03-10/01/903 A | GM 4-12 GM 5-24 GM 5-12 GM 5-8 SW 1-4 | 3035 2920 3008 3201 3337 | 9718 9829 9608 9708 9708 | 36(12) | 11.5 8.8 8.0 7.9 7.8 | 9/28/15-09/30/915 A 9/06/93-09/10/893 A 9/19/09-09/22/909 A 9/16/08-09/20/908 A 9/30/37-10/04/937 A | LHV 2-13 LHV 3-2 LHV 3-16 LHV 3-15 LHV 4-22A | 3051 2947 3046 2945 2957 | 9010 9130 9122 9320 9004 |
| 37(6) | 9.5 8.1 8.0 7.6 7.3 | 9/17/26-09/21/926 A 11/19/34-11/21/934 A 11/06/74-11/08/943 A 9/28/98-10/03/898 A 9/29/29-10/03/929 A | SA 4-23 LHV 1-18 GM 5-22 LHV 1-3 SA 3-23 | 3053 3158 3126 3025 3038 | 8747 8819 8724 8713 8513 | 38(6) | 22.6 12.9 11.7 10.9 7.7 | 9/03/50-09/07/950 A 10/17/41-10/22/941 A 10/04/24-10/11/924 A 9/23/29-09/28/929 A 9/16/01-09/19/901 A | SA 5-8 SA 5-6 SA 4-20 SA 3-20 SA 7-5 | 2401 2948 2907 3156 3204 | 8242 8257 8055 8156 8413 |
| 39(3) | 7.9 7.3 6.6 | 9/19/67-09/24/967 A 9/14/19-09/15/919 A 9/10/61-09/13/961 H | SW 3-24 GM 5-15A - | 2618 2821 2858 | 9955 9809 9557 | 40(0) | | | | | |

FIVE GREATEST OBSERVED 1000 SQUARE MILE- 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 1000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

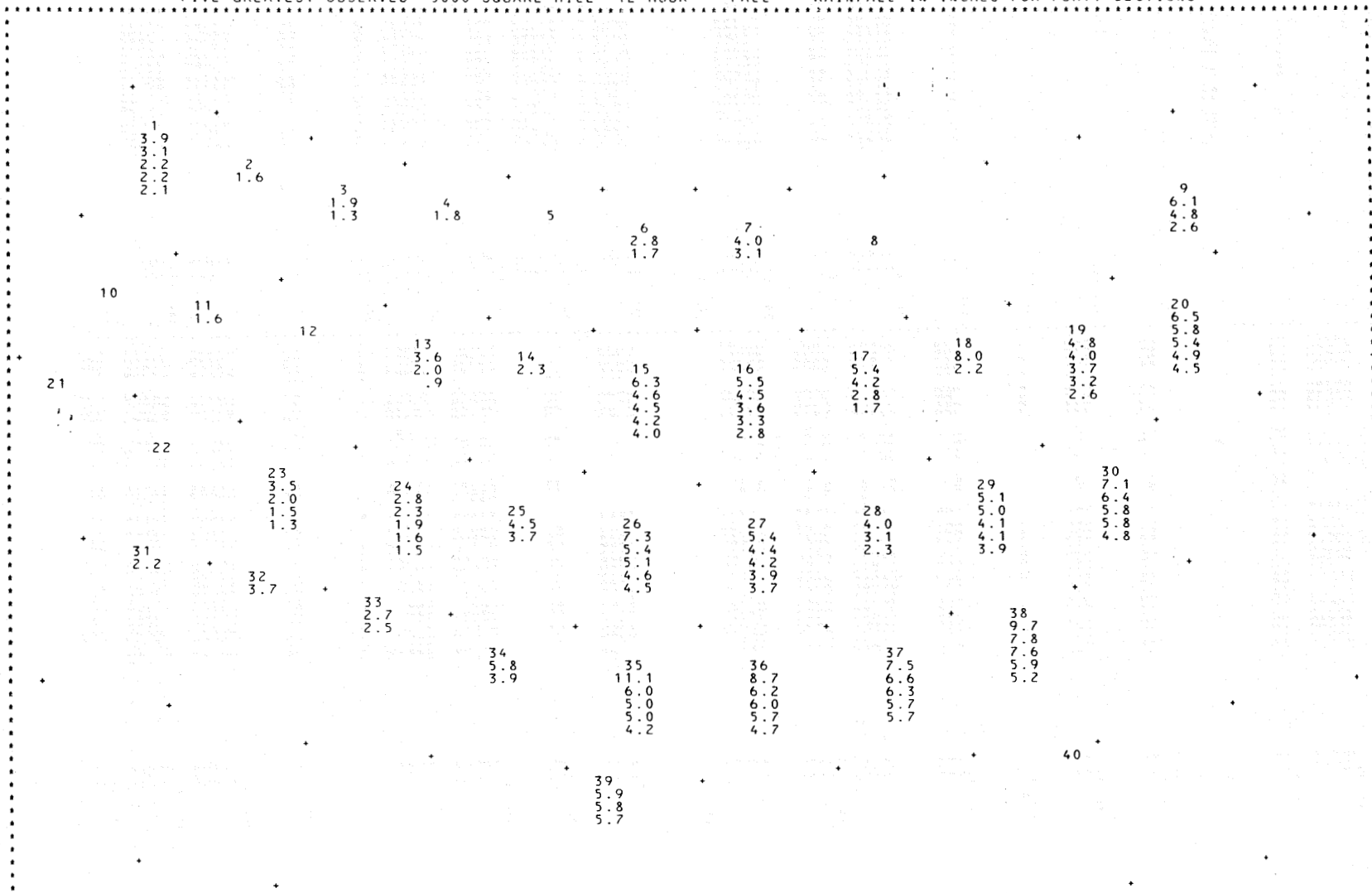
STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 1000 SQUARE MILE - 48 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|-------|------------------|----------------------|-------------------------|-------------------|-------|------------------|----------------------|-------------------------|-------------------|
| 10.2 | | 11/22/21-11/22/921 H | - | 4548 12156 | 3.6 | | 11/17/09-11/20/909 H | - | 4812 11541 |
| 9.5 | | 11/22/21-11/22/937 H | - | 4840 12135 | 4.1 | | 11/17/46-11/20/946 R | - | 4410 11510 |
| 9.1 | | 11/22/21-11/22/911 H | - | 4730 12330 | 4.0 | | 11/18/21-11/21/921 R | - | 4425 11555 |
| 7.4 | | 10/21/34-10/26/934 H | - | 4609 12202 | | | | | |
| 7.2 | | 10/21/34-10/26/937 H | - | 4730 12330 | | | | | |
| 2.3 | | 9/27/19-9/28/911 A | MR 5-18 | 4855 11133 | 3.5 | 1000- 42 | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 2.8 | 1000- 36 | 9/27/19-9/28/919 A | MR 5-24 | 4834 11301 | | | | | |
| 5.0 | | | | | 3.6 | 1000- 30 | 10/09/49-10/10/949 H | | 4817 9806 |
| | | | | | 3.4 | 1000- 36 | 11/13/44-11/14/944 H | | 4814 9740 |
| 6.5 | | 9/15/42-09/19/942 A | UMV 1-25 | 4457 9217 | | | | | |
| 5.4 | | 9/11/03-09/15/903 A | UMV 2- 3 | 4425 9203 | | | | | |
| 8.9 | | 11/02/27-11/04/927 A | MA 1-17 | 4403 7145 | 10.8 | | 11/15/42-11/19/942 R | | 3900 12030 |
| 7.9 | 1000- 30 | 9/16/32-09/17/932 H | - | 4533 6909 | 8.9 | 1921- 48 | 11/15/50-11/21/950 H | | 3910 12030 |
| 7.0 | 2000- 48 | 11/06/63-11/10/963 H | - | 4416 7118 | | | | | |
| 3.9 | | 10/18/30-10/20/930 A | GL 1-26 | 4410 7540 | | | | | |
| 6.2 | | 11/18/05-11/23/909 A | NP 4- 6 | 4335 11540 | 1.6 | | 9/16/47-09/18/947 R | | 4225 11208 |
| 3.0 | | 11/12/17-11/17/930 R | - | 4140 11525 | | | | | |
| 2.3 | 5000- 30 | 10/07/44-10/02/946 R | - | 4349 11512 | | | | | |
| 11.6 | | 9/27/23-10/01/923 A | MR 4-23 | 4352 10547 | 4.4 | 1000- 30 | 9/11/33-09/12/933 R | | 4009 10113 |
| 3.7 | | 9/09/33-09/11/933 R | - | 3930 10506 | | | | | |
| 2.7 | | 10/10/99-10/15/899 R | - | 3923 10806 | | | | | |
| 2.3 | 1000- 42 | 10/06/71-10/06/911 R | - | 3901 10731 | | | | | |
| 13.2 | | 9/10/72-09/12/972 H | - | 4143 9515 | 8.0 | | 9/11/61-09/13/961 H | | 3941 9203 |
| 10.6 | | 9/17/26-09/19/926 A | MR 4-24 | 4312 9600 | 7.9 | | 9/30/41-10/07/941 A | UMV 3-208 | 4058 9023 |
| 7.8 | | 9/16/16-09/19/919 A | MR 2-23 | 4020 9734 | 6.8 | | 10/27/00-10/30/900 A | UMV 1- 7A | 4348 9115 |
| 7.6 | | 9/06/09-09/09/909 A | MR 1- 8 | 3904 9539 | 6.6 | | 9/10/28-09/14/928 A | MR 3-19 | 4043 9253 |
| 7.3 | | 9/20/02-09/24/902 A | MR 1- 8 | 3901 9953 | 6.3 | | 9/11/15-09/16/915 A | UMV 1-15 | 4258 9007 |
| 9.5 | 1000- 24 | 10/09/54-10/10/954 H | - | 4145 8820 | 12.9 | | 9/10/78-09/13/878 A | DR 9-19 | 4145 8046 |
| 6.7 | 1000- 30 | 9/08/26-09/09/926 A | DR 4-22 | 3930 8811 | 4.3 | | 9/01/22-09/04/922 A | DR 1-27A | 3931 8445 |
| 3.3 | | 9/30/71-10/07/941 A | UMV 3-20C | 4135 8645 | 4.2 | | 9/01/22-09/04/922 A | DR 1-27B | 3955 8045 |
| 4.2 | | 9/26/26-10/05/926 H | - | 4008 8555 | | | | | |
| 10.5 | 1000- 12 | 9/01/40-09/01/940 H | SA 1- 5 | 3942 7512 | 12.1 | | 9/20/82-09/24/882 A | NA 1- 3 | 4055 7410 |
| 7.1 | | 9/21/13-09/27/902 A | SA 1-19 | 3940 7606 | 11.2 | | 10/07/03-10/11/903 A | GL 4- 9 | 4053 7410 |
| 6.9 | 1000- 30 | 9/21/13-09/27/896 A | SA 1-19 | 3923 7822 | 11.0 | | 9/13/33-09/18/933 H | - | 4203 7017 |
| 6.8 | | 9/22/11-09/25/904 A | SA 1- 9 | 3935 7525 | 10.2 | | 9/17/38-09/22/938 A | NA 2- 2 | 4140 7240 |
| 6.5 | | 9/22/11-09/25/912 A | SA 1-22A | 3941 7721 | | | 9/16/32-09/17/932 H | - | 4122 7150 |
| | | | | | 13.2 | | 11/13/50-11/21/950 R | | 3630 11830 |
| 7.2 | | 10/27/46-10/29/946 H | - | 3725 11402 | 6.4 | | 9/26/04-09/30/904 A | SW 1- 6 | 3552 10520 |
| 6.2 | | 9/04/39-09/07/939 H | - | 3444 11337 | 5.4 | | 10/04/11-10/06/911 A | SW 2-30 | 3753 10739 |
| 4.4 | | 11/25/05-11/28/905 H | - | 3413 11245 | 4.8 | | 9/03/70-09/07/970 H | - | 3738 10904 |
| 4.0 | | 10/10/47-10/15/947 H | - | 3418 11015 | 3.8 | 1000- 30 | 10/04/11-10/06/911 H | - | 3750 10920 |
| | | | | | 3.6 | | 9/20/29-09/23/929 A | SW 2-28 | 3509 10539 |
| 7.4 | | 10/09/30-10/12/930 A | SW 2- 6 | 3512 10317 | 14.1 | | 9/02/40-09/06/940 A | SW 2-18 | 3615 9636 |
| 5.9 | | 10/18/03-10/19/908 A | SW 2-23 | 3803 10236 | 12.7 | | 10/19/08-10/24/908 A | SW 1-11 | 3530 9654 |
| | | | | | 9.9 | | 11/15/28-11/17/928 A | MR 3-20 | 3755 9526 |
| | | | | | 8.8 | | 9/11/26-09/16/926 A | SW 2- 1 | 3800 9533 |
| | | | | | 8.5 | | 9/25/26-09/30/926 A | SW 2- 2 | 3517 9535 |
| 10.1 | | 11/16/11-11/19/921 A | SW 1-24 | 3515 9144 | 11.9 | | 10/03/10-10/06/910 A | DR 4- 8 | 3722 8829 |
| 9.9 | | 10/25/19-10/28/919 A | LHV 1-13A | 3759 9122 | 8.8 | | 10/30/19-10/01/898 A | LHV 1- 3A | 3653 8935 |
| 9.1 | | 9/28/01-09/29/927 A | MR 3-14 | 3548 9342 | 5.1 | | 9/01/22-09/01/922 A | UMV 3- 9B | 3723 8940 |
| 8.8 | | 11/17/01-11/27/906 A | LHV 1- 4 | 3439 9028 | 2.3 | 1000- 9 | | | |
| 8.3 | | 9/12/01-09/19/905 A | UMV 2-18 | 3858 9245 | | | | | |
| 10.0 | | 10/02/81-10/04/898 A | SA 3- 7 | 3501 8312 | 14.1 | | 9/02/35-09/06/935 A | SA 1-26 | 3846 7601 |
| 9.8 | | 9/08/81-09/12/888 A | SA 3- 2 | 3411 8202 | 13.8 | | 10/11/42-10/17/942 A | SA 3-16 | 3444 7639 |
| 9.0 | | 10/24/81-10/29/914 A | SA 2- 8 | 3546 8216 | 12.4 | | 9/13/24-09/17/924 A | SA 2-15 | 3417 7932 |
| 9.0 | | 10/24/81-10/29/918 A | SA 2-10 | 3513 8214 | 12.0 | | 9/16/28-09/19/928 A | SA 2-15 | 3417 7932 |
| 7.6 | | 9/21/91-09/23/898 A | SA 2- 3 | 3600 8134 | 11.1 | | 9/28/70-10/01/870 H | - | 3741 7925 |
| | | | | | 7.2 | | 9/03/70-09/07/970 H | - | 3349 11056 |
| 4.9 | | 10/03/25-10/06/925 R | - | 3317 11652 | 3.8 | | 9/03/70-09/07/970 H | - | 3226 11042 |
| | | | | | | | | | |
| 6.9 | | 9/15/19-09/17/919 A | GM 5-15B | 3341 10511 | | | | | |
| 6.2 | | 9/27/19-09/29/941 A | SW 3- 1 | 3304 10602 | | | | | |
| | | | | | 12.4 | | 9/14/36-09/18/936 A | GM 5- 7 | 3147 10050 |
| | | | | | 8.3 | | 9/20/41-09/23/941 A | GM 5-19 | 3210 10474 |
| 25.1 | | 9/08/21-09/10/921 A | GM 4-12 | 3035 9718 | 13.5 | | 9/30/37-10/04/937 A | LHV 4-22A | 2957 9004 |
| 16.7 | | 11/22/45-11/25/940 A | GM 5-13 | 3008 9608 | 12.4 | | 9/28/15-09/30/915 A | LHV 2-13 | 3051 9010 |
| 12.0 | | 10/13/35-10/28/936 A | GM 5- 8 | 3201 9708 | 12.0 | | 9/16/08-09/20/908 A | LHV 3-13 | 2947 9130 |
| 10.2 | 1000- 24 | 9/26/46-09/27/946 A | GM 5- 8 | 3201 9708 | 11.3 | | 9/06/93-09/10/893 A | LHV 3- 2 | 2947 9130 |
| 7.9 | | 9/28/03-10/01/903 A | SW 1- 4 | 3337 9708 | 10.4 | | 9/19/09-09/22/909 A | LHV 3-16 | 3046 9122 |
| | | | | | | | | | |
| 15.4 | | 9/17/26-09/19/926 A | SA 4-23 | 3053 8747 | 33.7 | | 9/03/50-09/07/950 A | SA 5- 8 | 2903 8242 |
| 12.7 | | 9/29/19-09/30/929 A | SA 3-23 | 3038 8543 | 22.0 | | 10/17/41-10/22/941 A | SA 5- 8 | 2948 8257 |
| 10.7 | | 11/19/34-11/19/934 A | LHV 1-18 | 3138 8819 | 16.8 | | 10/04/24-10/11/924 A | SA 4- 0 | 2907 8055 |
| 9.5 | | 11/06/31-11/08/943 A | LHV 1- 3 | 3025 8713 | 10.2 | | 9/23/29-09/28/929 A | SA 3- 0 | 3156 8156 |
| 9.2 | | 9/28/01-09/29/898 A | LHV 1- 3 | 3025 8713 | | | 9/16/01-09/19/901 A | SA 2- 5 | 3204 8413 |
| | | | | | | | | | |
| 20.3 | | 9/19/81-09/24/967 A | SW 3-24 | 2618 9955 | 12.3 | | 9/04/33-09/07/933 H | - | 2837 8146 |
| 14.9 | | 9/19/81-09/24/961 H | - | 2858 9557 | 11.7 | | 9/24/94-09/26/894 H | - | 2827 8146 |
| 10.7 | 1000- 42 | 9/19/81-09/24/919 A | GM 5-15A | 2821 9807 | | | | | |

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

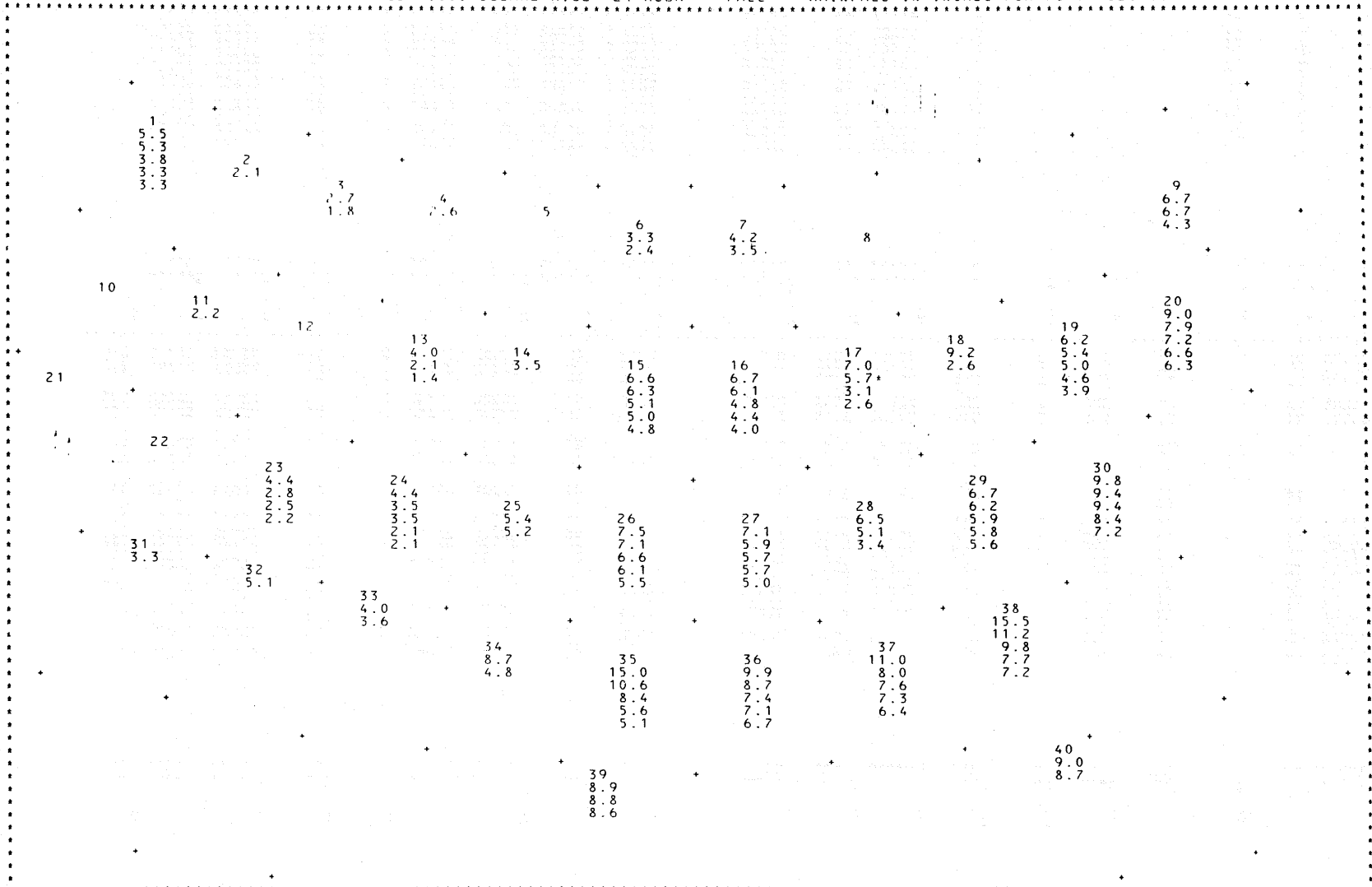
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
|---------|---------------------------------|---|---|--------------------------------------|--------------------------------------|---------|---------------------------------|---|---|--------------------------------------|---|
| 1(7) | 2.2 1.7 1.4 1.2 | 11/16/11-11/20/911 H 11/18/21-11/22/921 H 10/26/37-10/28/937 H 11/02/34-11/07/934 H | - - - - | 4730 4548 4730 4840 | 12330 12156 12330 12221 | 2(1) | 1.1 | 11/17/09-11/20/909 - | - | 4812 | 11541 |
| 3(2) | 1.1 0.7 | 9/03/11-09/06/911 A 9/27/19-09/28/919 A | MR 5-18 MR 5-24 | 4855 4834 | 11133 11301 | 4(1) | 1.1 | 9/06/41-09/08/941 A | MR 6-20 | 4525 | 10755 |
| 5(0) | | | | | | 6(2) | 2.1 1.0 | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - | 4817 4814 | 9806 9740 |
| 7(2) | 2.8 2.4 | 9/11/03-09/15/903 A 9/15/42-09/19/942 A | UMV 2-3 UMV 1-25 | 4425 4457 | 9203 9217 | 8(0) | | | | | |
| 9(3) | 3.6 2.7 1.5 | 9/16/32-09/17/932 H 11/02/37-11/04/927 A 11/06/63-11/10/963 H | - NA - | 4553 4403 4416 | 6909 7145 7118 | 10(0) | | | | | |
| 11(1) | B 1.1 | 10/01/46-10/02/946 R | - | 4349 | 11512 | 12(0) | | | | | |
| 13(3) | 2.2 1.8 0.8 | 9/27/23-10/01/923 A 9/09/33-09/11/933 R 10/10/99-10/15/899 R | MR 4-23 - - | 4352 3930 3923 | 10547 10506 10806 | 14(1) | 1.4 | 9/11/33-09/12/933 R | - | 4009 | 10113 |
| 15(7) | 4.1 3.4 2.9 2.1 | 9/17/26-09/19/926 A 9/16/19-09/19/919 H 10/03/46-10/05/946 H 9/07/00-09/11/900 A 9/09/11-09/11/911 R | MR 4-24 MR 4-23 - UMV 1-6 R | 4312 4020 4157 4241 3944 | 9600 9754 9952 9640 9506 | 16(6) | 3.4 3.1 2.6 2.5 1.5 | 9/10/28-09/14/928 A 9/11/61-09/13/961 H 9/30/41-10/07/941 A 10/27/00-10/30/900 A 9/11/15-09/16/915 A | MR 3-19 - UMV 3-20B UMV 1-7A UMV 1-15 | 4043 3941 4058 4348 4258 | 9253 9203 9023 9115 9007 |
| 17(4) | 3.9 2.8 2.1 1.3 | 9/08/26-09/09/926 A 10/09/54-10/10/954 H 9/30/41-10/07/941 A 9/26/26-10/05/926 H | DR 4-22 - UMV 3-20C - | 3930 4145 4135 4008 | 8811 8820 8645 8855 | 18(2) | 4.1 1.4 | 9/10/78-09/13/878 A 9/01/22-09/04/922 A | DR 9-19 OR 1-27B | 4145 3955 | 8046 8045 |
| 19(8) | 3.3 2.4 1.9 1.8 | 9/27/96-09/30/896 A 9/27/67-09/29/967 H 9/12/04-09/15/904 A 9/08/90-09/13/890 H 11/24/50-11/27/950 H | SA 1-19 - NA 1-9 - - | 3923 4215 3935 4212 4012 | 7822 7825 7525 7733 7814 | 20(12) | 4.0 3.8 3.6 3.2 2.7 | 9/16/32-09/17/932 H 10/03/69-10/04/869 H 9/12/44-09/15/944 A 9/13/33-09/18/933 H 9/17/38-09/22/938 A | - - NA 2-16 - NA 2-2 | 4122 4150 4029 4203 4140 | 7150 7234 7427 7017 7240 |
| 21(0) | | | | | | 22(0) | | | | | |
| 23(4) | 2.2 1.5 1.0 0.9 | 9/04/39-09/07/939 H 11/25/05-11/28/905 H 10/10/47-10/15/947 H 10/27/46-10/29/946 H | - - - - | 3444 3413 3418 3725 | 11337 11245 11015 11402 | 24(7) | 1.8 1.2 1.2 1.1 | 9/26/04-09/30/904 A 9/03/70-09/07/970 H 9/06/27-09/10/927 R 9/03/09-09/07/909 R 10/04/11-10/06/911 A | SW 1-6 - - - SW 2-30 | 3552 3738 3733 3739 3753 | 10520 10904 10749 10748 10739 |
| 25(2) | 2.9 2.7 | 10/09/30-10/12/930 A 10/18/08-10/19/908 A | SW 2-6 SW 2-23 | 3512 3803 | 10317 10238 | 26(17) | 4.4 4.3 4.3 3.6 | 10/19/08-10/24/908 A 9/11/26-09/16/926 A 9/02/40-09/06/940 A 9/06/11-09/07/911 A 9/25/26-09/30/926 A | SW 1-11 SW 2-1 SW 2-18 MR 2-3 SW 2-2 | 3530 3800 3615 3738 3517 | 9654 9533 9636 9716 9535 |
| 27(17) | 3.9 3.2 3.0 2.8 2.6 | 10/16/05-10/19/905 A 9/12/05-09/19/905 A 11/17/05-11/21/906 A 9/13/23-09/20/923 A 9/06/20-09/09/920 A | UMV 2-6 UMV 2-18 LMV 1-4 SW 1-26 UMV 3-7A | 3838 3858 3439 3428 3509 | 9113 9245 9028 9438 9003 | 28(3) | 2.6 2.2 1.4 | 10/03/10-10/06/910 A 9/28/98-10/01/898 A 10/30/19-11/01/919 A | OR 4-8 LMV 1-3A LMV 1-13B | 3722 3653 3729 | 8829 8955 8618 |
| 29(9) | 3.8 3.1 3.0 2.8 2.5 | 10/26/18-10/31/918 A 9/21/98-09/23/898 A 9/08/88-09/12/888 A 9/22/12-09/25/912 A 10/13/14-10/16/914 A | SA 3-14 SA 2-3 SA 5-2 SA 1-22B SA 2-8 | 3502 3600 3411 3415 3546 | 8312 8134 8202 8037 8216 | 30(13) | 3.7 3.7 3.2 3.1 | 9/13/24-09/17/924 A 9/16/28-09/19/928 A 9/02/35-09/06/935 A 9/28/70-10/01/870 H 9/14/17-09/16/917 A | SA 3-16 SA 2-15 SA 1-26 SA 5-24 SA 5-24 | 3444 3417 3846 3741 3515 | 7639 7952 7601 7925 7540 |
| 31(1) | 1.2 | 10/03/25-10/06/925 R | - | 3317 | 11652 | 32(1) | 2.5 | 9/03/70-09/07/970 H | - | 3349 | 11056 |
| 33(2) | 1.9 1.5 | 9/15/19-09/17/919 A 9/27/41-09/29/941 A | GM 5-15B SW 3-1 | 3341 3304 | 10511 10602 | 34(2) | 3.7 2.6 | 9/14/36-09/18/936 A 9/20/41-09/23/941 A | GM 5-7 GM 5-19 | 3147 3210 | 10050 10474 |
| 35(9) | 8.1 3.9 3.8 2.8 | 9/08/21-09/10/921 A 9/26/46-09/27/946 A 11/22/40-11/25/940 A 9/28/03-10/01/903 A 9/25/36-09/28/936 A | GM 4-12 GM 5-24 GM 5-13 SW 1-4 GM 5-8 | 3035 3008 3008 3337 3201 | 9718 9829 9608 9708 9708 | 36(12) | 5.6 4.4 3.8 3.1 3.0 | 9/28/15-09/30/915 A 9/06/93-09/10/893 A 9/30/37-10/04/937 A 9/05/29-09/09/929 A 9/19/09-09/22/909 A | LMV 2-13 LMV 3-1 LMV 4-2A LMV 4-15 LMV 5-16 | 5041 3947 3957 3956 5046 | 9010 9130 9004 9003 9122 |
| 37(6) | 4.6 3.9 3.0 3.5 | 9/17/26-09/21/926 A 9/29/29-10/03/929 A 11/19/34-11/21/934 A 9/28/98-10/01/898 A 11/06/43-11/08/943 A | SA 4-23 SA 3-23 LMV 1-18 LMV 1-3 GM 5-22 | 3053 3033 3138 3025 3126 | 8747 8543 8819 8713 8724 | 38(6) | 5.4 5.0 4.0 3.6 3.4 | 9/03/50-09/07/950 A 9/23/29-09/28/929 A 10/17/41-10/22/941 A 10/04/24-10/11/924 A 9/16/01-09/19/901 A | SA 5-8 SA 3-20 SA 5-6 SA 5-6 SA 5-6 | 4001 4001 4048 4002 4002 | 8447 8136 8257 8055 8413 |
| 39(3) | 4.1 3.7 3.5 | 9/14/19-09/15/919 A 9/19/67-09/24/967 A 9/10/61-09/13/961 A | GM 5-15A SW 3-24 - | 2821 2818 2858 | 9807 9955 9557 | 40(0) | | | | | |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

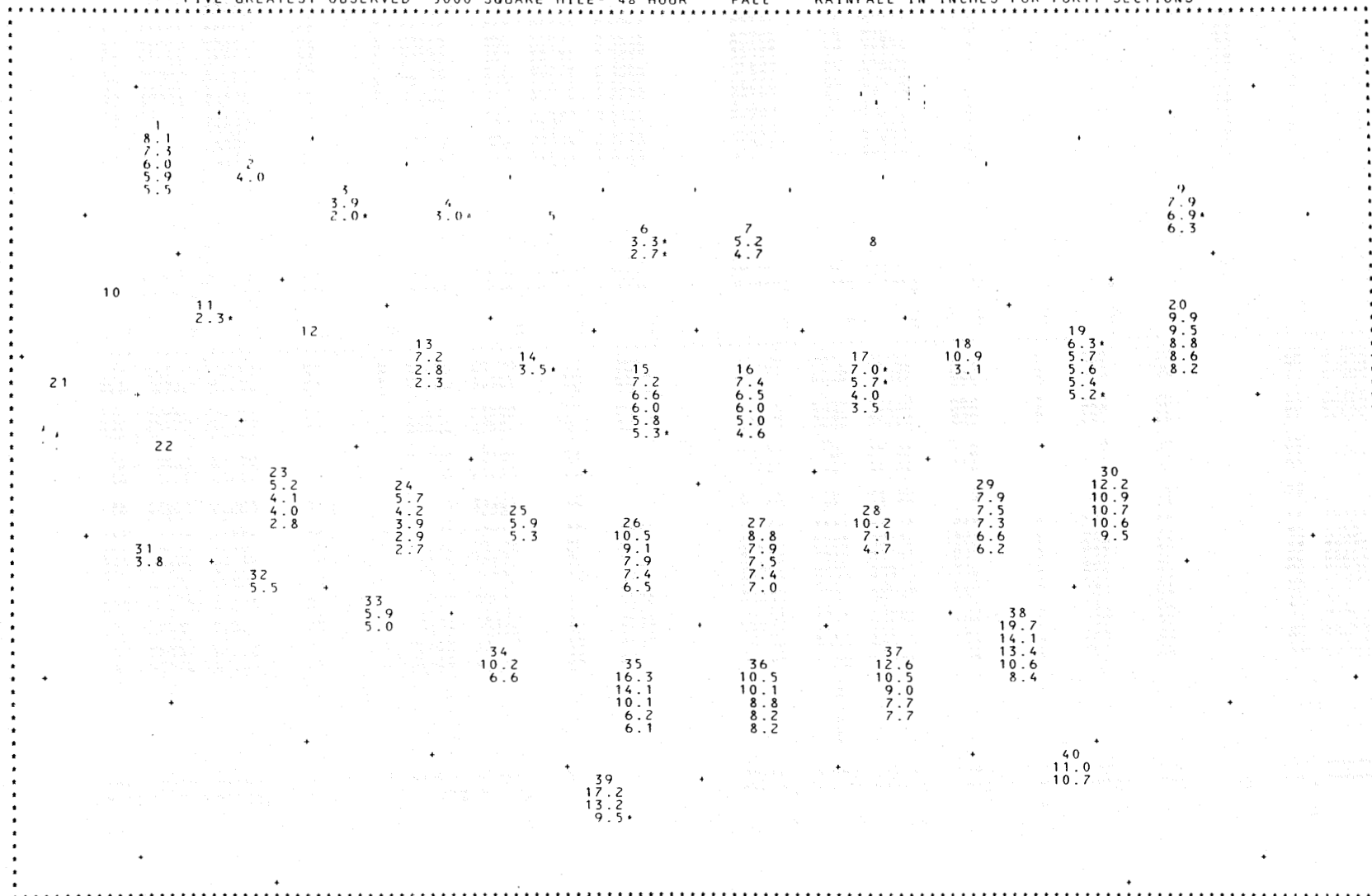


* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 5000 SQUARE MILE - 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS

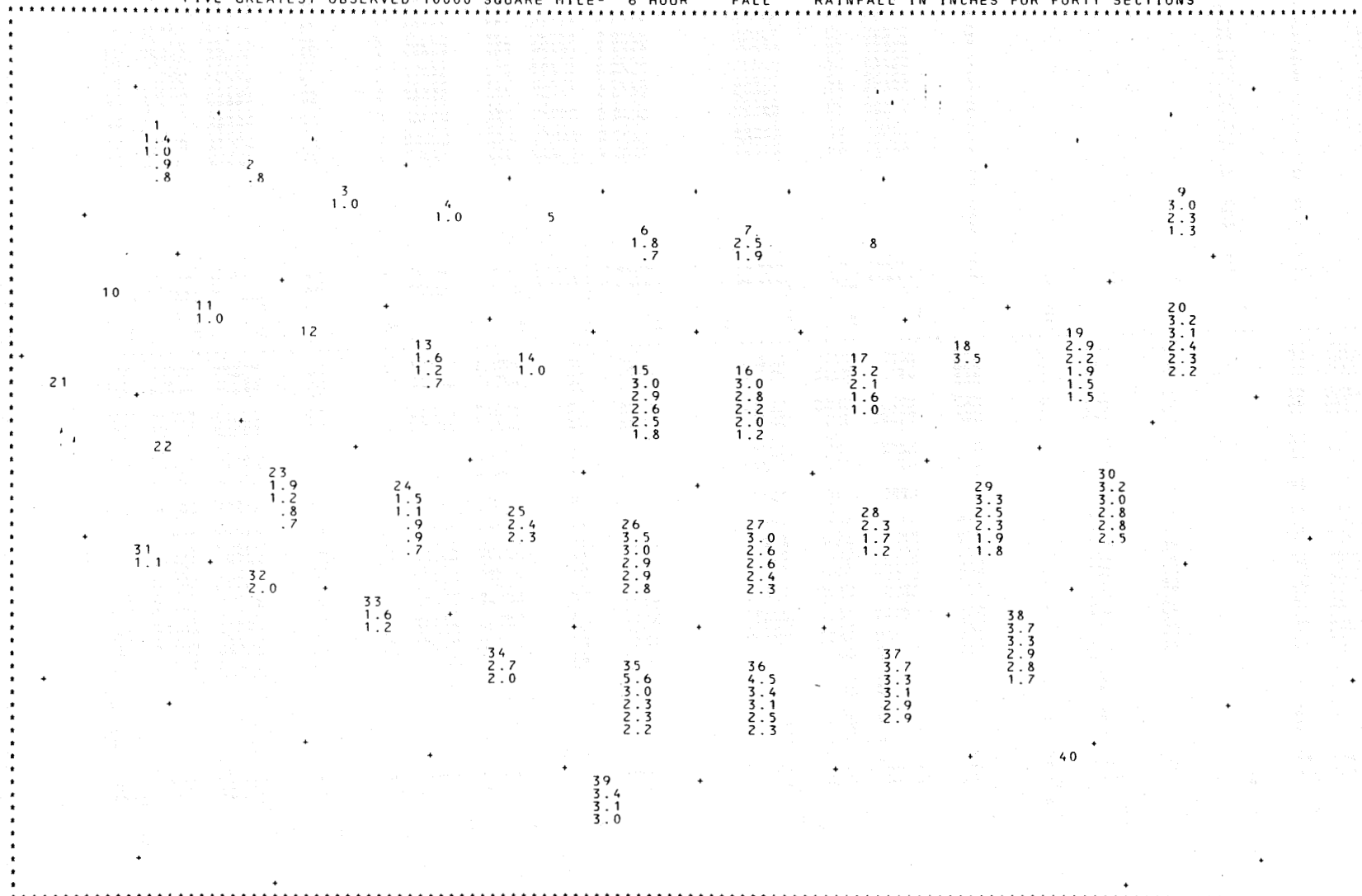
| VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT LONG |
|-------------|-----------------------------------|--|---|--|---------|-----------------------------------|---|--|--|
| 1(7) | 5.5 5.3 5.0 4.8 | 11/16/71-11/20/911 H 11/18/72-11/22/921 H 10/21/74-10/26/934 H 11/26/77-11/28/937 H | - - - - | 4730 12330 4548 12156 4609 12202 4725 12144 4840 12135 | 2(1) | 2.1 | 11/17/09-11/20/909 H | - | 4812 11547 |
| 3(2) | 2.7 1.8 | 9/27/11-09/06/911 A 9/27/19-09/28/919 A | MR 5-18 MR 5-26 | 4855 11133 4834 11301 | 4(1) | 2.6 | 9/06/41-09/08/941 A | MR 6-20 | 4525 10755 |
| 5(0) | | | | | 6(2) | 3.3 2.4 | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - | 4817 9806 4814 9740 |
| 7(2) | 4.2 3.5 | 9/11/03-09/15/903 A 9/15/42-09/19/942 A | UMV 2-3 UMV 1-25 | 4425 9203 4457 9217 | 8(0) | | | | |
| 9(3) | 6.7 6.7 4.3 | 11/02/27-11/04/927 A 9/16/32-09/17/932 H 11/06/63-11/10/963 H | NA 1-17 - - | 4403 7145 4553 6909 4416 7118 | 10(0) | | | | |
| 11(1) B | 2.2 | 10/01/46-10/02/946 R | - | 4349 11512 | 12(0) | | | | |
| 13(3) | 4.0 2.1 1.4 | 9/27/23-10/01/923 A 9/09/33-09/11/933 R 10/10/49-10/15/899 R | MR 4-23 - - | 4352 10547 3930 10506 3923 10806 | 14(1) | 3.5 | 9/11/33-09/12/933 R | - | 4009 10113 |
| 15(7) | 6.9 6.1 5.0 4.8 | 9/17/25-09/19/926 A 9/18/75-09/19/919 A 10/03/46-11/05/946 H 9/07/00-09/11/900 A 9/06/09-09/09/909 A | MR 4-24 MR 2-23 - UMV 1-6 MR 1-28 | 4312 9600 4020 9734 4157 9952 4241 9640 3904 9537 | 16(6) | 6.7 6.1 4.8 4.0 | 9/11/61-09/13/961 H 9/30/41-10/07/941 A 10/27/00-10/30/900 A 9/11/15-09/16/915 A 9/10/28-09/14/928 A | - UMV 3-20B UMV 1-7A UMV 1-15 HR 3-19 | 3941 9203 4058 9023 4348 9115 4258 9007 4043 9253 |
| 17(4) | 7.0 5.7 3.1 2.6 | 10/09/54-10/10/954 H 9/08/26-09/09/926 A 9/30/46-10/07/941 A 9/26/26-10/05/926 H | OR 4-22 UMV 3-20C - - | 4145 8820 3930 8811 4135 8645 4008 8855 | 18(2) | 9.2 2.6 | 9/10/78-09/13/878 A 9/01/22-09/04/922 A | OR 9-19 OR 1-27B | 4145 8046 3955 8045 |
| 19(8) | 6.2 3.4 5.0 4.6 3.9 | 9/27/96-09/30/896 A 9/12/04-09/15/904 A 9/27/81-09/29/967 H 11/24/80-11/27/950 H 9/24/02-09/27/902 A | SA 1-19 NA 1-9 - - SA 1-5 | 3923 7822 3935 7525 4215 7825 4012 7814 3940 7606 | 20(12) | 9.0 7.9 7.2 6.6 6.3 | 10/07/03-10/11/903 A 9/16/32-09/17/932 H 10/03/69-10/04/869 H 9/13/33-09/18/933 H 9/17/38-09/22/938 A | GL 4-9 - - - NA 2-2 | 4055 7410 4122 7150 4150 7254 4203 7017 4140 7240 |
| 21(0) | | | | | 22(0) | | | | |
| 23(4) | 4.4 2.8 2.5 2.2 | 9/04/39-09/07/939 H 11/25/05-11/28/905 H 10/27/46-10/29/946 H 10/10/47-10/15/947 H | - - - - | 3444 11337 3423 11245 3725 11405 3418 11015 | 24(7) | 4.4 3.5 3.5 2.1 | 9/26/04-09/30/904 A 10/04/11-10/06/911 A 9/03/70-09/07/970 H 9/20/29-09/23/929 A 9/03/09-09/07/909 R | SW 1-6 SW 2-30 UMV 1-7A SW 2-28 - | 3552 10520 3753 10759 3738 10904 3509 10539 3739 10748 |
| 25(2) | 5.4 5.2 | 10/09/30-10/12/930 A 10/18/08-10/19/908 A | SW 2-6 SW 2-23 | 3512 10317 3803 10238 | 26(17) | 7.1 7.1 6.6 6.1 5.3 | 9/02/40-09/06/940 A 11/15/28-11/17/928 A 10/19/08-10/24/908 A 9/30/41-10/07/941 A 9/25/26-09/30/926 A | SW 2-18 MR 3-20 SW 1-11 UMV 3-20 SW 2-2 | 3615 9636 3755 9526 3530 9654 3430 9705 3517 9535 |
| 27(17) | 7.1 5.9 5.7 5.7 5.0 | 11/17/06-11/21/906 A 9/12/05-09/19/905 A 10/16/05-10/19/901 A 10/25/19-10/28/919 A 9/20/25-09/22/925 A | LMV 1-4 UMV 2-18 UMV 2-6 LMV 1-13A MR 3-6 | 3439 9028 3858 9245 3858 9113 3219 9722 3723 9357 | 28(3) | 6.5 5.1 3.4 | 10/03/10-10/06/910 A 9/28/92-10/01/898 A 10/30/19-11/01/919 A | OR 4-8 LMV 1-3A LMV 1-13B | 3722 8829 3653 8935 3729 8618 |
| 29(9) | 6.7 6.2 5.9 5.8 5.6 | 9/02/88-09/12/888 A 10/24/78-10/27/918 A 9/21/94-09/23/898 A 10/26/78-10/31/918 A 10/13/74-10/16/914 A | SA 3-2 SA 3-10 SA 2-3 SA 3-14 SA 2-8 | 3411 8202 3513 8214 3600 8134 3502 8312 3546 8216 | 30(13) | 9.8 9.4 9.4 8.4 7.2 | 9/02/75-09/06/935 A 9/12/28-09/19/928 A 9/27/81-09/17/924 A 9/28/72-10/01/870 H 10/01/82-10/17/942 A | SA 1-26 SA 2-15 SA 3-16 SA 1-28A SA 1-28A | 3846 7601 3417 7952 3444 7639 3741 7925 3831 7826 |
| 31(1) | 3.3 | 10/03/25-10/06/925 R | - | 3217 11652 | 32(1) | 5.1 | 9/02/70-09/07/970 H | - | 3349 11056 |
| 33(2) | 4.0 3.6 | 9/15/19-09/17/919 A 9/27/47-09/29/941 A | GM 5-15B SM 3-1 | 3341 10511 3304 10602 | 34(2) | 3.7 4.8 | 9/14/26-09/18/936 A 9/20/41-09/23/941 A | GM 5-7 GM 5-19 | 3147 10050 3210 10444 |
| 35(9) | 15.0 10.6 8.4 5.6 5.1 | 9/08/21-09/10/921 A 11/22/40-11/25/940 A 9/25/36-09/28/936 A 11/16/07-11/20/907 A 9/26/46-09/27/946 A | GM 4-12 GM 5-13 GM 5-8 LMV 1-6 GM 5-24 | 3035 9718 3008 9608 3201 9708 3119 9528 2920 9829 | 36(12) | 9.9 8.7 7.4 7.1 6.7 | 9/28/15-09/30/915 A 9/30/37-10/04/937 A 9/19/09-09/22/909 A 9/06/93-09/10/893 A 9/25/13-09/30/913 A | LMV 2-13 LMV 4-22A LMV 3-16 LMV 3-2 LMV 3-18 | 3051 9010 2957 9004 3046 9122 2947 9130 3050 9301 |
| 37(7) | 11.0 8.0 7.6 7.3 6.4 | 9/17/26-09/21/926 A 9/29/20-09/03/919 A 11/19/34-11/21/934 A 11/06/47-11/08/943 A 9/28/96-09/31/898 A | SA 4-23 SA 3-23 LMV 1-18 GM 5-22 LMV 1-3 | 3053 8747 3038 8543 3138 8819 3126 8724 3025 8713 | 38(7) | 15.5 11.2 9.8 7.7 7.2 | 9/03/50-09/07/950 A 10/17/41-10/22/941 A 9/23/29-09/28/929 A 10/01/84-10/11/924 A 9/16/01-09/19/901 A | SA 5-8 SA 5-6 SA 3-20 SA 4-20 SA 2-5 | 2903 8247 2968 8257 3156 8156 2907 8055 3204 8413 |
| 39(3) | 8.9 8.8 8.6 | 9/19/67-09/24/967 A 9/14/71-09/15/919 A 9/10/61-09/13/961 H | SH 3-24 GM 5-15A H | 2618 9955 2821 9807 2858 9557 | 40(2) | 9.0 8.7 | 9/04/33-09/07/933 H 9/24/94-09/26/894 H | - | 2837 8146 2827 8146 |

FIVE GREATEST OBSERVED 5000 SQUARE MILE- 48 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 5000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

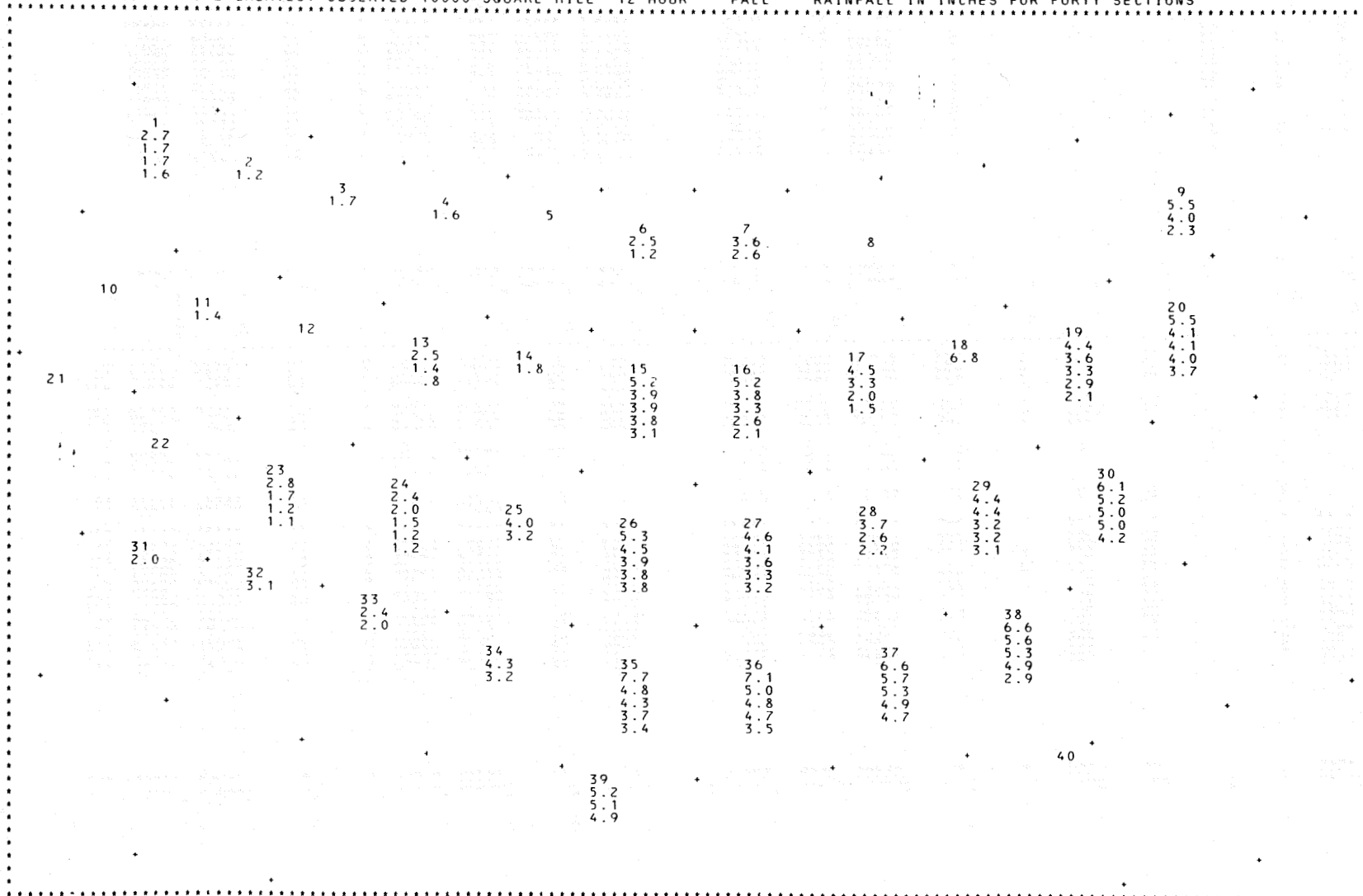
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 6 HOURS. SEE COMMENT COLUMN ON LISTINGS.

| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 6 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|--|--|--|--|--------------------------------------|--------------------------------------|---------|---------------------------------|---|---|--------------------------------------|---|
| VALUE | *COMMENT AREA/DUP | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LOCATION LONG | VALUE | *COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LOCATION LONG |
| 1(4) | 1.4 1.0 0.9 0.8 | 11/18/21-11/22/921 H 11/02/34-11/07/954 H 10/21/34-10/26/934 H 11/16/11-11/20/911 H | - | 4548 4601 4609 4725 | 12156 12221 12202 12144 | 2(1) | 0.8 | 11/17/09-11:20/909 H | - | 4812 | 9854 |
| 3(1) | 1.0 | 9/03/11-09/06/911 A | MR 5-18 | 4855 | 11133 | 4(1) | 1.0 | 9/06/41-09/08/941 A | MR 6-20 | 4525 | 10755 |
| 5(0) | | | | | | 6(2) | 1.8 0.7 | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - | 4817 4814 | 9806 9740 |
| 7(2) | 2.5 1.9 | 9/11/03-09/15/903 A 9/15/42-09/19/942 A | UMV 2-3 UMV 1-25 | 4425 4457 | 9203 9217 | 8(0) | | | | | |
| 9(3) | 3.0 2.3 1.3 | 9/16/32-09/17/932 H 11/02/27-11/04/927 A 11/06/63-11/10/963 H | - NA 1-17 - | 4553 4403 4416 | 6909 7145 7118 | 10(0) | | | | | |
| 11(1) | B 1.0 | 10/01/46-10/02/946 R | - | 4349 | 11512 | 12(0) | | | | | |
| 13(3) | 1.6 1.2 0.7 | 9/27/23-10/01/923 A 9/09/33-09/11/933 R 10/10/99-10/15/899 R | MR 4-23 - - | 4352 3930 3923 | 10547 10506 10806 | 14(1) | 1.0 | 9/11/33-09/12/933 R | - | 4009 | 10113 |
| 15(7) | 3.0 2.9 2.8 2.5 2.0 1.8 | 9/11/26-09/19/926 A 9/16/19-09/19/919 A 10/03/46-10/05/946 H 9/07/00-09/11/900 A 9/09/11-09/11/911 R | MR 4-24 MR 2-23 - UMV 1-6 R | 4312 4026 4157 4241 3944 | 9600 9754 9952 9640 9506 | 16(6) | 3.0 2.8 2.2 2.0 1.2 | 9/10/28-09/14/928 A 9/11/61-09/13/961 H 9/30/41-10/07/941 A 10/27/00-10/30/900 A 9/11/15-09/16/915 A | MR 3-19 - UMV 3-20B UMV 1-7A UMV 1-15 | 4043 3941 4058 4348 4258 | 9253 9203 9023 9115 9007 |
| 17(4) | 3.2 2.1 1.6 1.0 | 9/08/26-09/09/926 A 10/09/54-10/10/954 H 9/30/41-10/07/941 A 9/26/26-10/05/926 H | OR 4-22 - UMV 3-20C - | 3930 4163 4135 4008 | 8811 8825 8645 8855 | 18(1) | 3.5 | 9/10/78-09/13/878 A | OR 9-19 | 4145 | 8046 |
| 19(8) | 2.9 2.6 2.5 1.5 1.5 | 9/27/96-09/30/896 A 9/27/67-09/29/967 H 12/10/04-09/15/904 A 11/24/50-11/27/950 H 9/08/90-09/13/890 H | SA 1-19 - NA 1-9 - - | 3923 4215 3935 4012 4212 | 7822 7825 7525 7814 7733 | 20(11) | 3.2 3.1 2.4 2.3 2.2 | 9/16/32-09/17/932 H 11/24/44-09/15/944 A 9/13/33-09/18/933 H 9/17/38-09/22/938 A 10/04/32-10/06/932 A | NA - - NA NA | 4122 4029 4203 4160 4210 | 7150 7427 7017 7240 7414 |
| 21(0) | | | | | | 22(0) | | | | | |
| 23(4) | 1.9 1.2 0.8 0.7 | 9/04/39-09/07/939 H 11/23/06-11/28/905 H 10/10/47-10/15/947 H 10/27/46-10/29/946 H | - - - - | 3444 3413 3418 3725 | 11337 11245 11015 11402 | 24(6) | 1.5 1.1 0.9 0.9 0.7 | 9/26/04-09/30/904 A 9/03/70-09/07/970 H 9/06/27-09/10/927 R 10/04/11-10/06/911 A 9/20/29-09/23/929 A | SW 1-6 - - SW 2-30 SW 2-28 | 3552 3738 3733 3733 3509 | 10520 10904 10749 10739 10539 |
| 25(2) | 2.4 2.3 | 10/18/08-10/19/908 A 10/09/30-10/12/930 A | SW 2-23 SW 2-6 | 3803 3512 | 10238 10317 | 26(16) | 3.5 3.0 2.9 2.9 2.8 | 10/19/08-10/24/908 A 9/02/40-09/06/940 A 9/25/26-09/30/926 A 9/11/26-09/16/926 A 11/15/28-11/17/928 H | SW 1-11 SW 2-18 SW 2-2 SW 2-1 HR 3-20 | 3530 3615 3517 3800 3755 | 9654 9636 9535 9533 9526 |
| 27(16) | 3.0 2.6 2.3 2.4 2.3 | 10/16/05-10/19/905 A 9/12/05-09/19/906 A 11/17/06-11/21/906 A 11/06/18-11/08/918 A 9/13/23-09/20/923 A | UMV 2-6 UMV 2-18 LHV 1-4 MR 2-18 SW 1-26 | 3838 3858 3439 3652 3428 | 9113 9245 9028 9422 9438 | 28(3) | 2.3 1.7 1.2 | 10/03/10-10/06/910 A 9/23/98-10/01/898 A 10/30/19-11/01/919 A | OR 4-8 LHV 1-3A LHV 1-13B | 3722 3653 3729 | 8829 8935 8618 |
| 29(8) | 3.3 3.3 2.3 1.9 1.8 | 10/26/18-10/31/918 A 9/08/88-09/12/888 A 9/21/98-09/25/898 A 9/22/12-09/25/912 A 10/24/12-10/27/918 A | SA 3-14 SA 3-2 SA 2-3 SA 1-22B SA 2-10 | 3502 3411 3600 3415 3513 | 8312 8202 8136 8037 8214 | 30(13) | 1.2 1.0 2.8 2.8 2.5 | 9/16/28-09/19/928 A 9/02/35-09/06/935 A 9/28/70-10/01/870 H 9/13/24-09/17/924 A 9/14/17-09/16/917 A | SA 2-15 SA 1-26 - SA 3-16 SA 5-24 | 3417 3846 3741 3444 3515 | 7952 7601 7925 7659 7540 |
| 31(1) | 1.1 | 10/03/25-10/06/925 R | - | 3317 | 11652 | 32(1) | 2.0 | 9/03/70-09/07/970 H | - | 3349 | 11056 |
| 33(2) | 1.6 1.2 | 9/15/19-09/17/919 A 9/27/41-09/29/941 A | GM 5-15B SW 3-1 | 3341 3304 | 10511 10602 | 34(2) | 2.7 2.0 | 9/14/36-09/18/936 A 9/20/41-09/23/941 A | GM 5-7 GM 5-19 | 3147 3210 | 10050 10444 |
| 35(8) | 5.6 3.0 2.3 2.2 | 9/08/21-09/10/921 A 11/22/46-11/25/940 A 9/25/36-09/28/936 A 9/28/03-10/01/903 A 11/16/07-11/20/907 A | GM 4-12 GM 5-13 GM 5-8 SW 1-4 LHV 1-6 | 3035 3008 3201 3337 3119 | 9718 9608 9708 9708 9728 | 36(8) | 4.5 3.4 3.1 2.5 2.3 | 9/28/15-09/30/915 A 9/06/93-09/10/893 A 9/30/37-10/04/937 A 11/06/43-11/07/943 H 9/19/09-09/27/909 A | LHV 2-13 LHV 3-2 LHV 4-22A - LHV 3-16 | 3051 2947 2957 2959 3046 | 9010 9130 9804 9247 9122 |
| 37(6) | 3.7 3.7 2.9 2.9 | 9/17/26-09/21/926 A 9/20/29-10/03/929 A 11/19/34-11/21/934 A 9/28/98-10/01/898 A 11/06/43-11/08/943 A | SA 4-23 SA 3-23 LHV 1-18 LHV 1-3 GM 5-22 | 3033 3038 3138 3025 3126 | 8747 8543 8819 8713 8724 | 38(6) | 3.7 3.3 2.9 2.8 1.7 | 9/23/29-09/28/929 A 9/03/50-09/07/950 A 9/16/01-09/19/901 A 10/17/41-10/22/941 A 11/28/34-12/01/934 A | SA 3-20 SA 5-8 SA 2-5 SA 5-6 SA 5-26 | 3156 2903 3204 2948 3355 | 8156 8242 8413 8257 7801 |
| 39(3) | 3.4 3.1 3.0 | 9/14/19-09/15/919 A 9/19/67-09/24/967 A 9/10/61-09/17/961 H | GM 5-15A SW 3-24 - | 2821 2618 2858 | 9807 9955 9557 | 40(0) | | | | | |

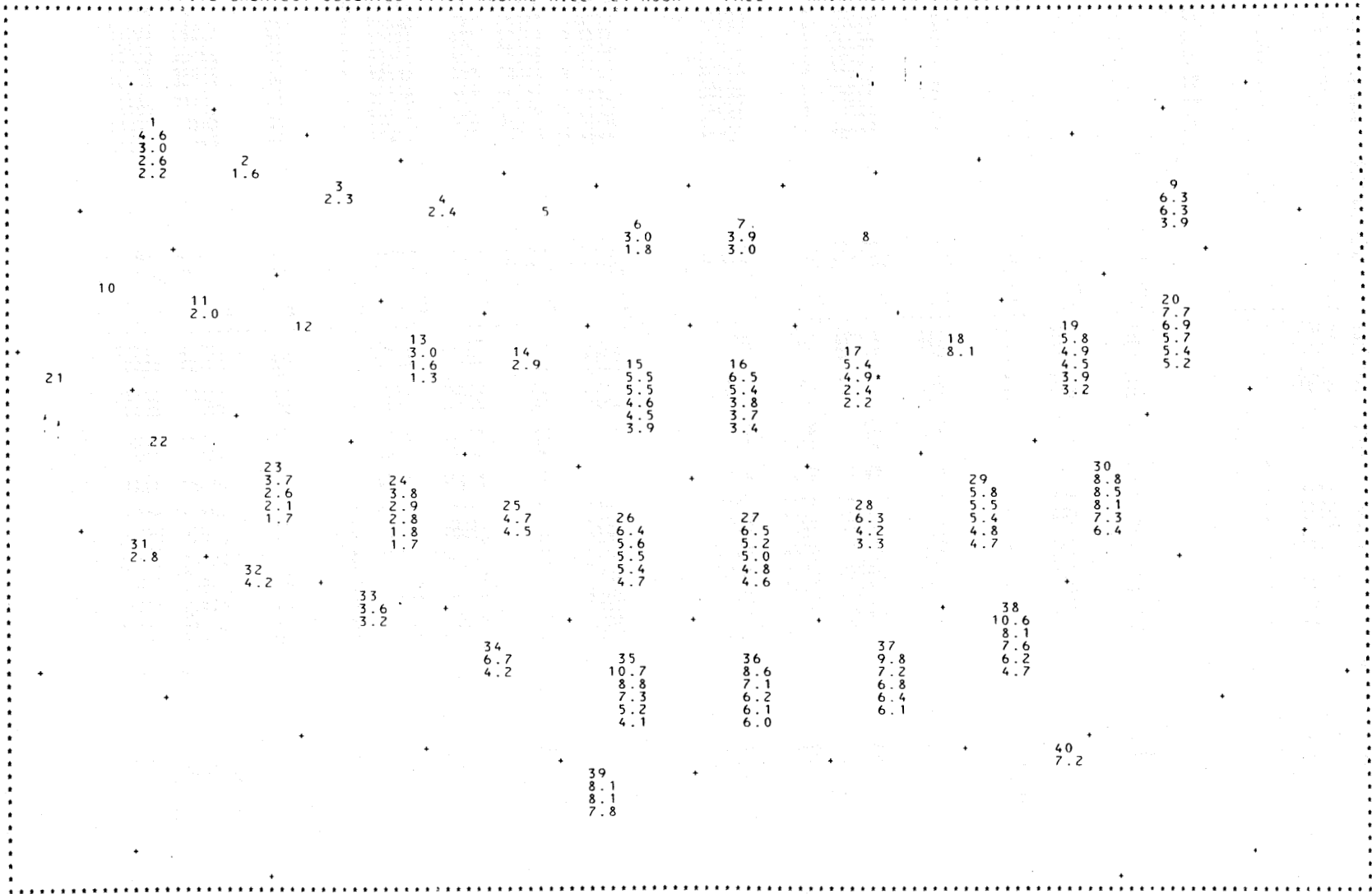
FIVE GREATEST OBSERVED 10000 SQUARE MILE- 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 12 HOURS. SEE COMMENT COLUMN ON LISTINGS.

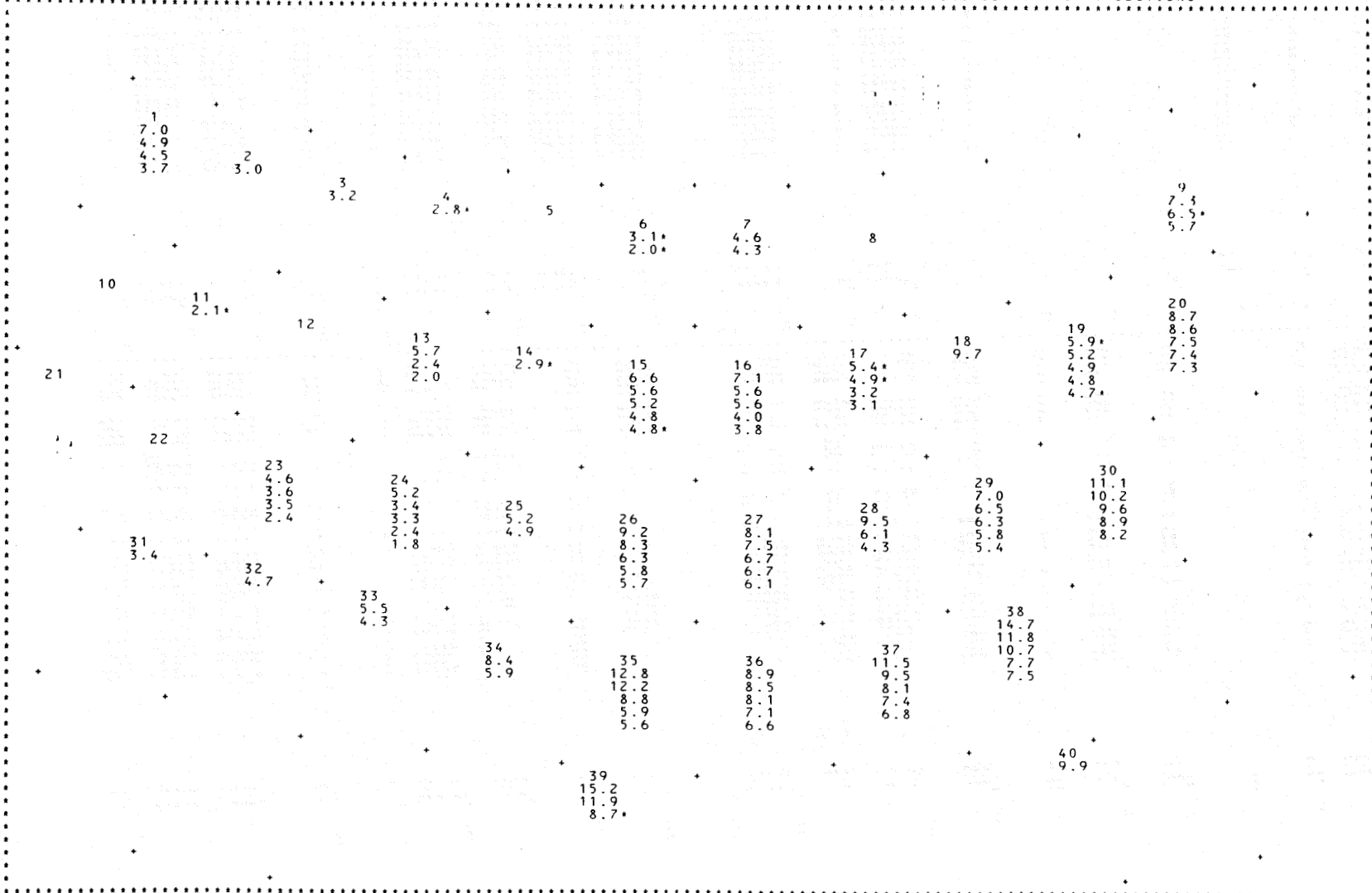
| STORM IDENTIFICATION OF THE FIVE GREATEST OBSERVED 10000 SQUARE MILE - 12 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS | | | | | | | | | | | |
|---|---------------------------------|--|--|--------------------------------------|--------------------------------------|---------|---------------------------------|---|---|--------------------------------------|---|
| VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG | VALUE | COMMENT AREA/DUR | STORM DATE & SOURCE | CORPS ASSIGNMENT NUMBER | LOCATION LAT | LONG |
| 1(4) | 2.7 1.7 1.7 1.6 | 11/18/21-11/22/921 H 11/16/11-11/20/911 H 11/02/24-11/07/934 H 10/21/34-10/26/934 H | - - - - | 4548 4725 4401 4609 | 12156 12144 12221 12202 | 2(1) | 1.2 | 11/17/09-11/20/924 H | - | 4812 | 11541 |
| 3(1) | 1.7 | 9/03/11-09/06/911 A | MR 5-18 | 4855 | 11133 | 4(1) | 1.6 | 9/06/41-09/08/941 A | MR 6-20 | 4525 | 10755 |
| 5(0) | | | | | | 6(2) | 2.5 1.2 | 10/09/49-10/10/949 H 11/13/44-11/14/944 H | - - | 4817 4814 | 9806 9740 |
| 7(2) | 3.6 2.6 | 9/11/03-09/15/903 A 9/15/42-09/19/942 A | UMV 2-3 UMV 1-25 | 4425 4457 | 9203 9217 | 8(0) | | | | | |
| 9(3) | 5.5 4.0 2.3 | 9/16/32-09/17/932 H 11/02/29-11/04/929 A 11/06/63-11/10/963 H | - NA 1-17 - | 4553 4416 | 6909 7118 | 10(0) | | | | | |
| 11(1) | B 1.4 | 10/01/46-10/02/946 R | - | 4349 | 11512 | 12(0) | | | | | |
| 13(3) | 2.5 1.4 0.8 | 9/27/23-10/01/923 A 9/09/33-09/11/933 R 10/10/99-10/15/899 R | HR 4-23 - - | 4352 3930 3923 | 10547 10506 10806 | 14(1) | 1.8 | 9/11/33-09/12/933 R | - | 4009 | 10113 |
| 15(7) | 3.2 3.9 3.9 3.8 3.1 | 9/17/26-09/19/926 A 9/16/19-09/19/919 A 10/03/46-10/05/946 H 9/07/00-09/11/900 A 9/09/11-09/11/911 R | MR 4-24 MR 2-23 - UMV 1-6 R | 4312 4020 4157 4241 3944 | 9600 9750 9952 9640 9506 | 16(6) | 3.2 3.8 3.3 2.6 2.1 | 9/11/61-09/13/961 H 9/30/41-10/07/941 A 9/10/28-09/14/928 A 10/27/00-10/30/900 A 9/11/15-09/16/915 A | UMV 3-20B MR 3-19 UMV 1-7A UMV 1-15 | 3941 4058 4043 4348 4258 | 9203 9023 9253 9115 9007 |
| 17(4) | 3.5 3.3 2.0 1.5 | 9/08/26-09/09/926 A 10/09/54-10/10/954 H 9/30/41-10/07/941 A 9/26/26-10/05/926 H | OR 4-22 - UMV 3-20C - | 3930 4145 4135 4008 | 8811 8820 8645 8855 | 18(1) | 6.8 | 9/10/78-09/13/878 A | OR 9-19 | 4145 | 8046 |
| 19(8) | 4.4 3.6 3.3 2.9 2.1 | 9/27/96-09/30/896 A 9/27/67-09/29/967 H 9/12/64-09/15/904 A 11/24/50-11/27/950 H 9/08/96-09/13/890 H | SA 1-19 - NA 1-9 - - | 3923 4215 3935 4012 4212 | 7822 7825 7525 7814 7733 | 20(1) | 5.5 4.1 4.0 3.7 | 9/16/32-09/17/932 H 10/07/05-10/11/905 A 9/12/44-09/15/944 A 9/13/33-09/18/933 H 9/20/82-09/24/882 A | - GL 4-9 NA 2-16 - NA 1-3 | 4122 4055 4029 4203 4055 | 7150 7410 7427 7017 7410 |
| 21(0) | | | | | | 22(0) | | | | | |
| 23(4) | 2.8 1.7 1.2 1.1 | 9/04/39-09/07/939 H 11/23/05-11/28/905 H 10/10/47-10/15/947 H 10/27/46-10/29/946 H | - - - - | 3444 3413 3418 3725 | 11337 11245 11015 11402 | 24(6) | 2.4 2.0 1.5 1.2 | 9/26/04-09/30/904 A 9/03/70-09/07/970 H 10/04/11-10/06/911 A 9/20/29-09/23/929 A 9/18/41-09/23/941 R | SW 1-6 - SW 2-30 SW 2-28 - | 3552 3738 3753 3509 3741 | 10520 10904 10739 10539 10802 |
| 25(2) | 4.0 3.2 | 10/18/08-10/19/908 A 10/09/30-10/12/930 A | SW 2-23 SW 2-6 | 3803 3512 | 10238 10317 | 26(16) | 5.3 3.9 3.8 3.8 | 9/02/40-09/06/940 A 10/19/08-10/24/908 A 11/15/28-11/17/928 A 9/11/26-09/16/926 A 9/25/26-09/30/926 A | SW 2-18 SW 1-11 MR 3-20 SW 2-1 SW 2-2 | 3615 3530 3755 3800 3517 | 9636 9654 9524 9533 9535 |
| 27(16) | 4.6 4.1 3.6 3.3 3.2 | 10/16/05-10/19/905 A 11/17/06-11/21/906 A 9/12/05-09/19/905 A 9/13/23-09/20/923 A 9/28/29-10/02/927 A | UMV 2-6 UMV 1-4 UMV 2-18 SW 1-26 MR 3-14 | 3838 3839 3858 3428 3548 | 9113 9028 9245 9438 9342 | 28(3) | 3.7 2.6 2.2 | 10/03/10-10/06/910 A 9/28/98-10/01/898 A 10/30/19-11/01/919 A | OR 4-8 LHV 1-3A LHV 1-15B | 3722 3653 3729 | 8829 8935 8618 |
| 29(8) | 4.4 4.4 3.2 3.0 4.1 | 9/08/88-09/12/888 A 10/26/18-10/31/918 A 10/24/18-10/27/918 A 9/21/98-09/23/898 A 10/17/35-10/20/937 A | SA 3-2 SA 3-14 SA 2-16 SA 2-7 SA 5-14 | 3411 3702 3513 3605 3507 | 8202 8212 8214 8134 8238 | 30(13) | 6.1 5.2 5.0 5.0 4.2 | 9/16/28-09/19/928 A 9/02/35-09/06/935 A 9/28/70-10/01/870 H 9/13/24-09/17/924 A 9/13/45-09/18/945 A | SA 2-15 SA 1-26 - SA 3-16 SA 5-27 | 3417 3846 3741 3444 3457 | 7952 7601 7925 7639 7947 |
| 31(1) | 2.0 | 10/03/25-10/06/925 R | - | 3317 | 11652 | 32(1) | 3.1 | 9/03/70-09/07/970 H | - | 3349 | 11056 |
| 33(2) | 2.4 2.0 | 9/15/19-09/17/919 A 9/27/41-09/29/941 A | GH 5-15B SW 3-1 | 3341 3304 | 10511 10602 | 34(2) | 4.3 3.2 | 9/14/36-09/18/936 A 9/20/41-09/23/941 A | GH 5-7 GH 5-19 | 3147 3210 | 10050 10474 |
| 35(8) | 7.7 4.8 4.3 3.7 3.4 | 9/08/21-09/10/921 A 11/22/40-11/25/940 A 9/25/36-09/28/936 A 11/16/07-11/20/907 A 9/28/03-10/01/903 A | GH 4-12 GH 5-13 GH 5-8 LHV 1-6 SW 1-4 | 3035 3008 3201 3119 3337 | 9718 9608 9708 9528 9708 | 36(8) | 7.1 5.0 4.8 4.7 3.5 | 9/28/15-09/30/915 A 9/30/37-10/04/937 A 9/06/93-09/10/893 A 9/19/09-09/22/909 A 9/25/13-09/30/913 A | LHV 2-13 LHV 4-2A LHV 3-2 LHV 3-16 LHV 3-18 | 3051 2957 2947 3046 3050 | 9010 9004 9130 9122 9101 |
| 37(6) | 6.6 5.7 5.3 4.9 4.7 | 9/17/26-09/21/926 A 11/19/34-11/21/934 A 11/06/43-11/08/943 A 9/29/29-10/03/929 A 9/28/98-10/01/898 A | SA 4-23 LHV 1-18 GW 5-22 SA 3-23 LHV 1-3 | 3053 3138 3126 3025 3025 | 8747 8819 8724 8544 8713 | 38(6) | 6.6 5.6 5.3 4.9 2.9 | 9/03/50-09/07/950 A 9/23/29-09/28/929 A 10/17/41-10/22/941 A 9/16/01-09/19/901 A 11/28/34-12/01/934 A | SA 5-8 SA 3-20 SA 5-6 SA 2-5 SA 3-26 | 2903 3156 2948 3204 3355 | 8242 8156 8237 8413 7801 |
| 39(3) | 5.2 5.1 4.9 | 9/10/61-09/13/961 H 9/14/19-09/15/919 A 9/19/67-09/24/967 A | - GH 5-15A SW 3-24 | 2858 2821 2618 | 9557 9807 9555 | 40(0) | | | | | |

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 24 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 24 HOURS. SEE COMMENT COLUMN ON LISTINGS.

FIVE GREATEST OBSERVED 10000 SQUARE MILE- 48 HOUR FALL RAINFALL IN INCHES FOR FORTY SECTIONS



* AREA IS GREATER THAN 10000 SQUARE MILES AND/OR DURATION IS LESS THAN 48 HOURS. SEE COMMENT COLUMN ON LISTINGS.

INDEX TO MAPS
OF FIVE GREATEST OBSERVED AREAL RAINFALL DEPTHS BY SECTIONS

(Tables Identifying Storms Follow the Listed Page for the map)

| Winter (Dec-Feb) | Page |
|--|------|
| 100 mi ² 6 - hr | 12 |
| 100 mi ² 12 - hr | 14 |
| 100 mi ² 24 - hr | 16 |
| 100 mi ² 48 - hr | 18 |
| 200 mi ² 6 - hr | 20 |
| 200 mi ² 12 - hr | 22 |
| 200 mi ² 24 - hr | 24 |
| 200 mi ² 48 - hr | 26 |
| 1000 mi ² 6 - hr | 28 |
| 1000 mi ² 12 - hr | 30 |
| 1000 mi ² 24 - hr | 32 |
| 1000 mi ² 48 - hr | 34 |
| 5000 mi ² 6 - hr | 36 |
| 5000 mi ² 12 - hr | 38 |
| 5000 mi ² 24 - hr | 40 |
| 5000 mi ² 48 - hr | 42 |
| 10,000 mi ² 6 - hr | 44 |
| 10,000 mi ² 12 - hr | 46 |
| 10,000 mi ² 24 - hr | 48 |
| 10,000 mi ² 48 - hr | 50 |
| Spring (Mar-May) | |
| 100 mi ² 6 - hr | 52 |
| 100 mi ² 12 - hr | 54 |
| 100 mi ² 24 - hr | 56 |
| 100 mi ² 48 - hr | 58 |
| 200 mi ² 6 - hr | 60 |
| 200 mi ² 12 - hr | 62 |
| 200 mi ² 24 - hr | 64 |
| 200 mi ² 48 - hr | 66 |
| 1000 mi ² 6 - hr | 68 |
| 1000 mi ² 12 - hr | 70 |
| 1000 mi ² 24 - hr | 72 |
| 1000 mi ² 48 - hr | 74 |

INDEX TO MAPS
OF FIVE GREATEST OBSERVED AREAL RAINFALL DEPTHS BY SECTIONS (Cont.)

(Tables Identifying Storms Follow the Listed Page for the map.)

Spring (Mar-May) - Cont.

| | Page |
|--|------|
| 5000 mi ² 6 - hr | 76 |
| 5000 mi ² 12 - hr | 78 |
| 5000 mi ² 24 - hr | 80 |
| 5000 mi ² 48 - hr | 82 |
| 10,000 mi ² 6 - hr | 84 |
| 10,000 mi ² 12 - hr | 86 |
| 10,000 mi ² 24 - hr | 88 |
| 10,000 mi ² 48 - hr | 90 |

Summer (June-Aug)

| | |
|--|-----|
| 100 mi ² 6 - hr | 92 |
| 100 mi ² 12 - hr | 94 |
| 100 mi ² 24 - hr | 96 |
| 100 mi ² 48 - hr | 98 |
| 200 mi ² 6 - hr | 100 |
| 200 mi ² 12 - hr | 102 |
| 200 mi ² 24 - hr | 104 |
| 200 mi ² 48 - hr | 106 |
| 1000 mi ² 6 - hr | 108 |
| 1000 mi ² 12 - hr | 110 |
| 1000 mi ² 24 - hr | 112 |
| 1000 mi ² 48 - hr | 114 |
| 5000 mi ² 6 - hr | 116 |
| 5000 mi ² 12 - hr | 118 |
| 5000 mi ² 24 - hr | 120 |
| 5000 mi ² 48 - hr | 122 |
| 10,000 mi ² 6 - hr | 124 |
| 10,000 mi ² 12 - hr | 126 |
| 10,000 mi ² 24 - hr | 128 |
| 10,000 mi ² 48 - hr | 130 |

Fall (Sept-Nov)

| | |
|---------------------------------------|-----|
| 100 mi ² 6 - hr | 132 |
| 100 mi ² 12 - hr | 134 |
| 100 mi ² 24 - hr | 136 |
| 100 mi ² 48 - hr | 138 |

INDEX TO MAPS
OF FIVE GREATEST OBSERVED AREAL RAINFALL DEPTHS BY SECTIONS (Cont.)

(Tables Identifying Storms Follow the Listed Page for the map)

| Fall (Sept-Nov) - Cont. | Page |
|--|------|
| 200 mi ² 6 - hr | 140 |
| 200 mi ² 12 - hr | 142 |
| 200 mi ² 24 - hr | 144 |
| 200 mi ² 48 - hr | 146 |
| 1000 mi ² 6 - hr | 148 |
| 1000 mi ² 12 - hr | 150 |
| 1000 mi ² 24 - hr | 152 |
| 1000 mi ² 48 - hr | 154 |
| 5000 mi ² 6 - hr | 156 |
| 5000 mi ² 12 - hr | 158 |
| 5000 mi ² 24 - hr | 160 |
| 5000 mi ² 48 - hr | 162 |
| 10,000 mi ² 6 - hr | 164 |
| 10,000 mi ² 12 - hr | 166 |
| 10,000 mi ² 24 - hr | 168 |
| 10,000 mi ² 48 - hr | 170 |

(Continued from inside front cover)

- NWS HYDRO 15 Time Distribution of Precipitation in 4- to 10-Day Storms--Arkansas-Canadian River Basins. Ralph H. Frederick, June 1973. (COM-73-11169)
- NWS HYDRO 16 A Dynamic Model of Stage-Discharge Relations Affected by Changing Discharge. D. L. Fread, December 1973. Revised, September 1976.
- NWS HYDRO 17 National Weather Service River Forecast System--Snow Accumulation and Ablation Model. Eric A. Anderson, November 1973. (COM-74-10728)
- NWS HYDRO 18 Numerical Properties of Implicit Four-Point Finite Difference Equations of Unsteady Flow. D. L. Fread, March 1974.
- NWS HYDRO 19 Storm Tide Frequency Analysis for the Coast of Georgia. Francis P. Ho, September 1974. (COM-74-11746/AS)
- NWS HYDRO 20 Storm Tide Frequency for the Gulf Coast of Florida From Cape San Blas to St. Petersburg Beach. Francis P. Ho and Robert J. Tracey, April 1975. (COM-75-10901/AS)
- NWS HYDRO 21 Storm Tide Frequency Analysis for the Coast of North Carolina, South of Cape Lookout. Francis P. Ho and Robert J. Tracey, May 1975. (COM-75-11009/AS)
- NWS HYDRO 22 Annotated Bibliography of NOAA Publications of Hydrometeorological Interest. John F. Miller, May 1975.
- NWS HYDRO 23 Storm Tide Frequency Analysis for the Coast of Puerto Rico. Francis P. Ho, May 1975. (COM-11001/AS)
- NWS HYDRO 24 The Flood of April 1974 in Southern Mississippi and Southeastern Louisiana. Edwin H. Chin, August 1975.
- NWS HYDRO 25 The Use of a Multizone Hydrologic Model With Distributed Rainfall and Distributed Parameters in the National Weather Service River Forecast System. David J. Morris, August 1975.
- NWS HYDRO 26 Moisture Source for Three Extreme Local Rainfalls in the Southern Intermountain Region. E. Marshall Hansen, October 1975.
- NWS HYDRO 27 Storm Tide Frequency Analysis for the Coast of North Carolina, North of Cape Lookout. Francis P. Ho and Robert J. Tracey. November 1975.
- NWS HYDRO 28 Flood Damage Reduction Potential of River Forecast Services in the Connecticut River Basin. Harold J. Day and Kwang K. Lee, February 1976.
- NWS HYDRO 29 Water Available for Runoff for 4- to 15-Days Duration in the Snake River Basin in Idaho. Ralph H. Frederick and Robert J. Tracey, June 1976.
- NWS HYDRO 30 Meteor Burst Communication System--Alaska Winter Field Test Program. Henry S. Sante-ford, March 1976.
- NWS HYDRO 31 Catchment Modeling and Initial Parameter Estimation for the National Weather Service River Forecast System. Eugene L. Peck, June 1976.
- NWS HYDRO 32 Storm Tide Frequency Analysis for the Open Coast of Virginia, Maryland, and Delaware. Francis P. Ho, Robert J. Tracey, Vance A. Myers, and Normalee S. Foat, August 1976.