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ANNUAL AND SEASONAL PRECIPITATION PROBABILITIES

Robert S. Kerr Environmental Research Laboratory
Office of Research and Development
U.S. Environmental Protection Agency
Ada, Oklahoma 74820

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ANNUAL AND SEASONAL PRECIPITATION PROBABILITIES

by

R. E. Thomas
Wastewater Management Branch
Robert S. Kerr Environmental Research Laboratory
Ada, Oklahoma 74820

and

D. M. Whiting
National Climatic Center
Environmental Data Service
National Oceanic and Atmospheric Administration
Asheville, NC 28801

ROBERT S. KERR ENVIRONMENTAL RESEARCH LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
ADA, OKLAHOMA 74820

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FOREWORD

The Environmental Protection Agency was established to coordinate administration of the major Federal programs designed to protect the quality of our environment.

An important part of the agency's effort involves the search for information about environmental problems, management techniques and new technologies through which optimum use of the nation's land and water resources can be assured and the threat pollution poses to the welfare of the American people can be minimized.

EPA's Office of Research and Development conducts this search through a nationwide network of research facilities.

As one of these facilities, the Robert S. Kerr Environmental Research Laboratory is responsible for the management of programs to: (a) investigate the nature, transport, fate and management of pollutants in groundwater; (b) develop and demonstrate methods for treating wastewaters with soil and other natural systems; (c) develop and demonstrate pollution control technologies for irrigation return flows; (d) develop and demonstrate pollution control technologies for animal production wastes; (e) develop and demonstrate technologies to prevent, control or abate pollution from the petroleum refining and petrochemical industries; and (f) develop and demonstrate technologies to manage pollution resulting from combinations of industrial wastewaters or industrial/municipal wastewaters.

This report contributes to the knowledge essential if the EPA is to meet the requirements of environmental laws that it establish and enforce pollution control standards which are reasonable, cost effective and provide adequate protection for the American public.

William C. Galegar
Director
Robert S. Kerr Environmental Research Laboratory

ABSTRACT

The planning, design, and operation of land-based wastewater management systems can be dependent on knowledge of the amount of precipitation which falls during the operating season. This is particularly true for those cases where soils with low permeability limit the hydraulic load. Precipitation probabilities for selected periods at 93 weather stations have been compiled to assist planners, designers, and others having a need for this type of information. The 93 stations selected represent a cross section of the differing precipitation patterns across the United States.

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SECTION 1

INTRODUCTION

People involved in the planning, design, and operation of land-based systems for management of wastewaters need methodology to assess the influence of climatic factors on off-season storage and operating season hydraulic loading. Whiting (1,2) has developed computer programs to project off-season storage needs from weather station data for temperature, precipitation, soil moisture, and snow-cover. These programs do not provide the methodology for assessing the influence of precipitation on the determination of hydraulic loading for the operating season. While the operating season precipitation has little consequence for rapid-infiltration or overland-flow systems, it can be an important factor in the determination of hydraulic loading for slow-rate (irrigation type) systems. The relative importance of operating season precipitation is, of course, greatest for those situations where the ratio of operating season precipitation to operating season evaportranspiration is comparatively high and site soils limit the hydraulic load to comparatively low values.

The purpose of this report is to supplement the previously developed computer programs for estimating off-season storage with a method for assessing the influence of operating season precipitation on the long term performance of a project. The information in this report will have its greatest utility for those considering the design of slow-rate (irrigation type) systems on low permeability soils in regions with moderate to high operating season precipitation.

The data source is monthly and annual precipitation totals from either the Local Climatological Data (LCD) tables, or from similar data from cooperative stations in the 1941-70 normals tape file. As a rule, 30 to 40 years of record are processed and the period for each station is shown in the table headings.

The gamma distribution function (3) may be used as a model for many sets of data. This report uses the computer program for this function to provide an analytical solution to several sets of precipitation data. Precipitation probabilities are provided for stations in different climatic regimes for up to three time periods: April-September, October-March, and annual (January-December). The table gives probabilities of exceeding or not exceeding arbitrary amounts, as well as the amounts exceeded or not exceeded for arbitrary probabilities. The tables in this report contain only the columns identified below:

SELECTED PROB VALUES	Fifty-two or less arbitrarily selected cumulative theoretical probability values. A program option permits change in these, but allows for no more than 52.

SELECTED QUANTILE B=BETA	Cumulative values of the distribution corresponding respectively to the selected probability values. Beta is the scale parameter and is used to transform the standardized distribution to the actual distribution.
SELECTED QUANTITY LEVELS	Arbitrarily selected cumulative amounts. The maximum number of amounts is 52. A program option permits change in amounts and also provides for the amounts to be scaled in terms of the mean of the non-zero amounts.
EXC PRB FOR PCP LVL	Probabilities of exceeding the arbitrarily selected cumulative amounts shown. This is the mixed distribution.

Two maps (Eastern and Western U. S.) (Appendix A) are included that show the normal monthly precipitation in inches. Although the maps are based on 1931-60 data and the monthly amounts may differ slightly from the 1941-70 period, the month-to-month distribution is about the same regardless of the normal period. The purpose of these maps is simply to illustrate the different rainfall regimes in various regions.

SECTION 2

CONCLUSION

It is a rather simple matter to determine the probability of exceeding arbitrarily selected cumulative precipitation amounts for varying seasonal periods from existing data tapes at NCC-EDS-NOAA, Asheville, NC 28801. Such determinations provide a convenient and consistent methodology for assessing the probable influence of operating season precipitation on the long-term performance of some land-based systems for wastewater management.

SECTION 3

USE OF TABLES

The station list and tables are presented in Appendix B. The stations are listed alphabetically by state with the page number for the station tables. For example, Little Rock, AR tables are on page 14, showing three tables for the Little Rock station covering April thru September and October thru March periods as well as the annual record.

The 1941-70 normals for each period are given in the heading of the tables which cover the 1937 thru 1975 or 1976 period of record for the probability determinations. The April-September table will serve to explain the use of the tables. The fifth line in the table shows a selected probability of 0.90 in column 1. Combined with the 32.718 inches for precipitation in column 2, this indicates that the return period of 32.7 inches of precipitation from April thru September is once in 10 years. Columns 3 and 4 are similar but in these columns the quantity of precipitation is selected and the probability is determined. Continuing across line 5, the selected precipitation amount in column 3 is 21.591 inches and the calculated probability is 0.617 which indicates that this amount of rainfall will be exceeded, on the average, in 6 out of every 10 years. Using columns 3 and 4 on line 6 shows that the distribution is slightly askew. The normal precipitation of 23.99 inches computes to a probability of 0.468 rather than the 0.50 probability for a precisely Gaussian distribution.

As indicated in the description of column headings similar runs can be made for a variety of arbitrarily selected probabilities or cumulative rainfall amounts. For information contact the National Climatic Center, Environmental Data Service, National Oceanic and Atmospheric Administration, Asheville, NC 28801.

REFERENCES

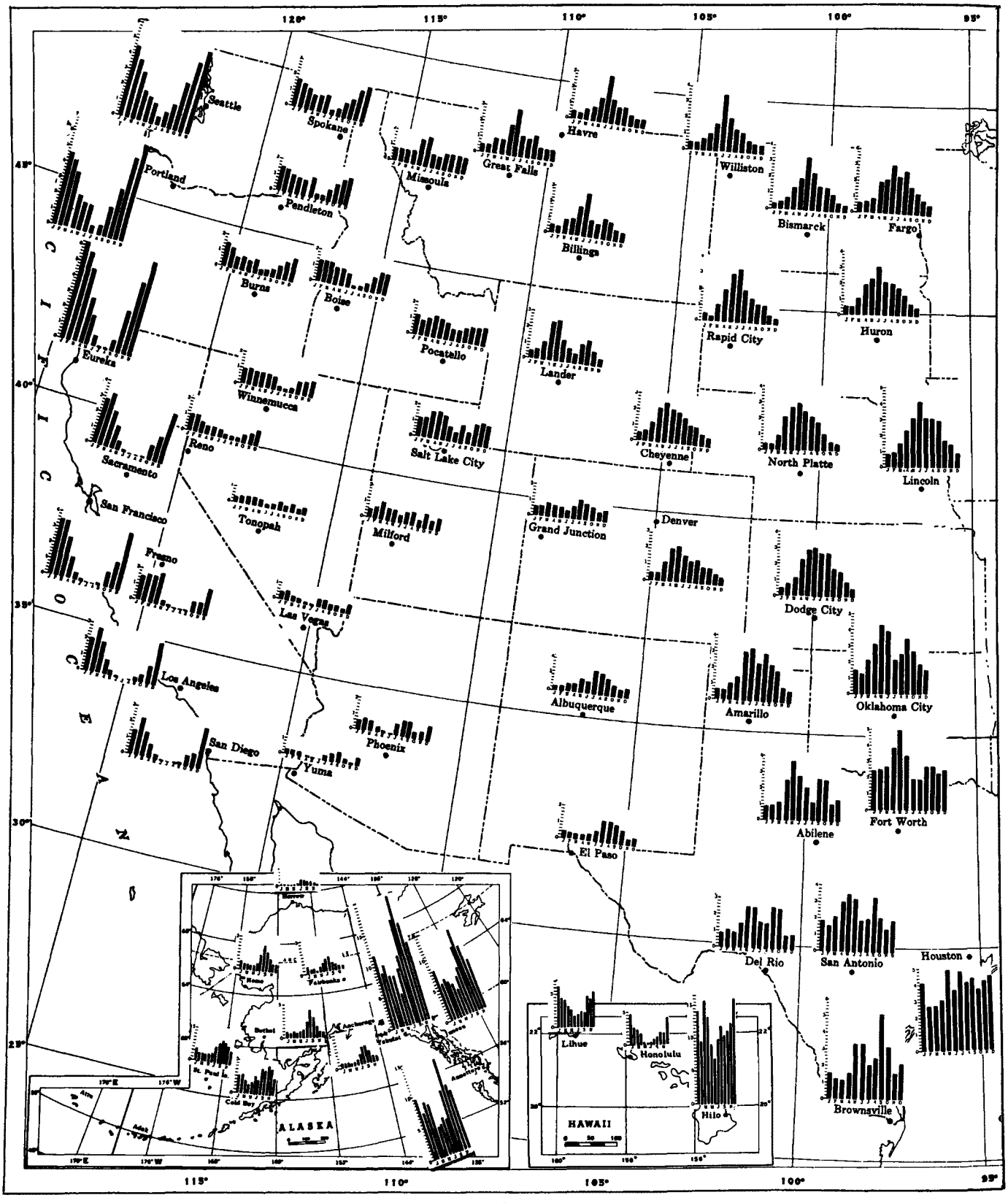
1. Whiting, Dick M. 1975. Use of Climatic Data in Estimating Storage Days for Soils Treatment Systems. U. S. Environmental Protection Agency, Environmental Protection Technology Series EPA-660/2-75-018. 98 pp.

2. Whiting, Dick M. 1976. Use of Climatic Data in Estimating Storage Days for Soils Treatment Systems. U. S. Environmental Protection Agency, Environmental Protection Technology Series EPA-600/2-76-250. 90 pp.

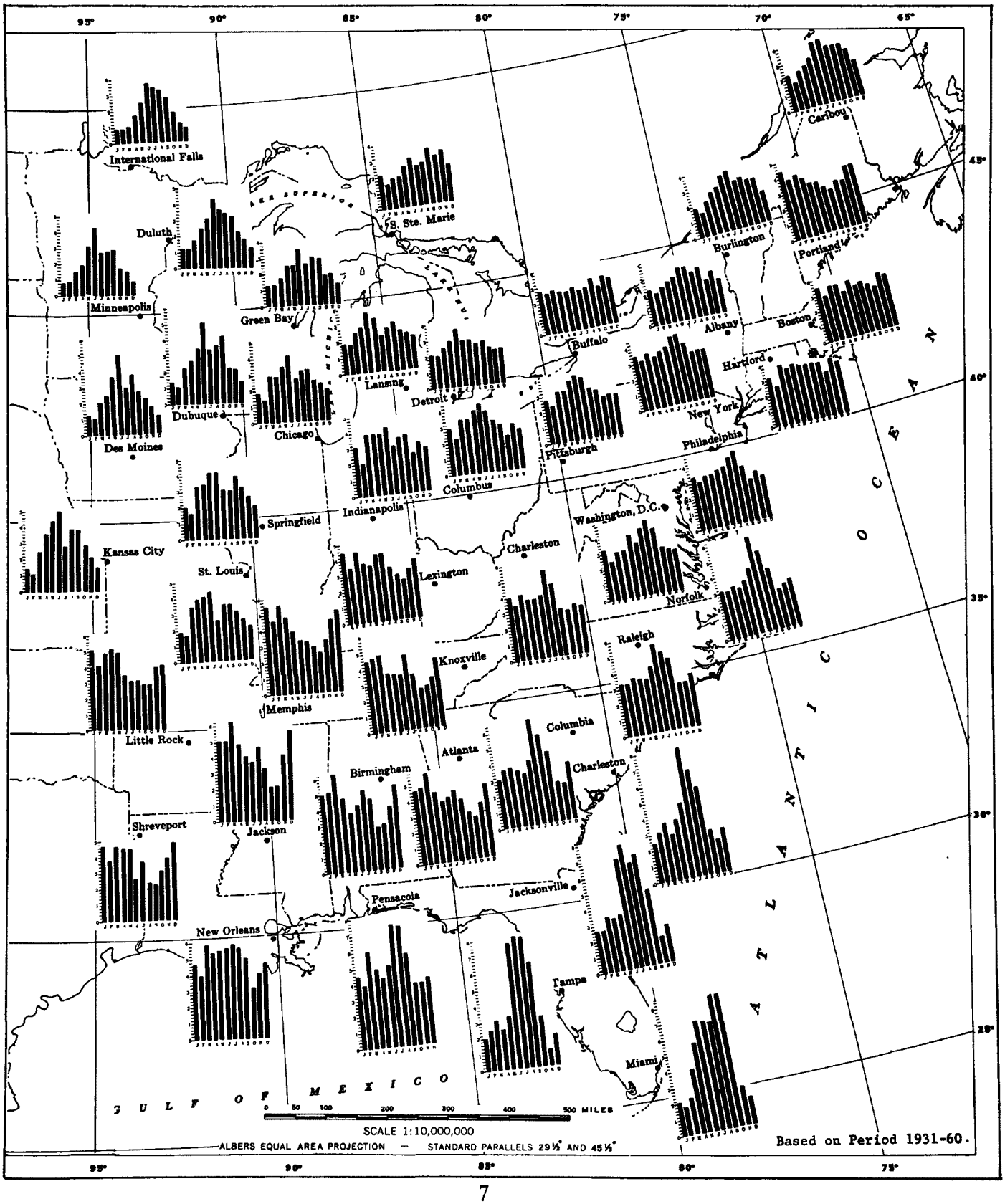
3. Crutcher, Harold L., G. L. Barger, and G. F. McKay. 1973. A Note on a Gamma Distribution Computer Program and Graph Paper. U. S. Department of Commerce, NOAA Technical Report EDS-11, Washington, DC. 92 pp.

APPENDIX A

NORMAL MONTHLY TOTAL PRECIPITATION (INCHES)



NORMAL MONTHLY TOTAL PRECIPITATION (INCHES)



APPENDIX B

STATION LIST

Station	Location	Page Number
01-0831	Birmingham, AL	12
01-5478	Mobile, AL	12
02-6481	Phoenix, AZ	13
02-9660	Yuma, AZ	13
03-4248	Little Rock, AR	14
04-2910	Eureka, CA	14
04-3257	Fresno, CA	15
04-5114	Los Angeles, CA	15
04-7630	Sacramento, CA	16
04-7740	San Diego, CA	16
04-7769	San Francisco, CA	17
05-2220	Denver, CO	17
05-3488	Grand Junction, CO	17
06-3456	Hartford, CT	18
08-4358	Jacksonville, FL	18
08-5663	Miami, FL	19
08-6997	Pensacola, FL	19
08-8788	Tampa, FL	20
09-0451	Atlanta, GA	20
10-1022	Boise, ID	21
10-7211	Pocatello, ID	21
11-1577	Chicago, IL	22
12-4259	Indianapolis, IN	22
13-2203	Des Moines, IA	22
13-2367	Dubuque, IA	22
14-2164	Dodge City, KS	23

STATION LIST (continued)

Station	Location	Page Number
15-4746	Lexington, KY	23
16-6660	New Orleans, LA	24
16-8440	Shreveport, LA	24
17-1175	Caribou, ME	25
17-6905	Portland, ME	25
19-0770	Boston, MA	25
20-2103	Detroit, MI	26
20-4641	Lansing, MI	26
20-5712	Muskegon, MI	26
20-7366	Sault Ste. Marie, MI	27
21-2248	Duluth, MN	27
21-4026	Intl. Falls, MN	27
21-5435	Minneapolis, MN	28
22-4472	Jackson, MS	28
23-4358	Kansas City, MO	28
23-7455	St. Louis, MO	29
24-0807	Billings, MT	29
24-3751	Great Falls, MT	29
24-3996	Havre, MT	30
24-5745	Missoula, MT	30
25-4795	Lincoln, NE	30
25-6065	North Platte, NE	31
26-2631	Ely, NV	31
26-4436	Las Vegas, NV	32
26-6779	Reno, NV	32
26-9171	Winnemucca, NV	33
29-0234	Albuquerque, NM	33
30-0042	Albany, NY	34
30-1012	Buffalo, NY	34
30-5801	New York, NY	34
31-7069	Raleigh, NC	35

STATION LIST (continued)

Station	Location	Page Number
32-0819	Bismarck, ND	35
32-2859	Fargo, ND	35
32-9425	Williston, ND	36
33-1786	Columbus, OH	36
34-6661	Oklahoma City, OK	36
35-1176	Burns, OR	37
35-6546	Pendleton, OR	37
35-6751	Portland, OR	38
36-6889	Philadelphia, PA	38
36-6993	Pittsburg, PA	39
38-1544	Charleston, SC	39
38-1939	Columbia, SC	39
39-4127	Huron, SD	40
39-6937	Rapid City, SD	40
40-4950	Knoxville, TN	41
40-5954	Memphis, TN	41
41-0016	Abilene, TX	42
41-0211	Amarillo, TX	42
41-1136	Brownsville, TX	43
41-2242	Dallas-Ft. Worth, TX	43
41-2360	Del Rio, TX	44
41-2797	El Paso, TX	44
41-4300	Houston, TX	45
41-7174	Port Arthur, TX	45
41-7945	San Antonio, TX	46
42-5654	Milford, UT	46
42-7598	Salt Lake City, UT	47
43-1081	Burlington, VT	47
44-6139	Norfolk, VA	47
44-8906	Washington, DC	48
45-7458	Seattle, WA	48
45-7938	Spokane, WA	49
46-1570	Charleston, WV	49

STATION LIST (continued)

Station	Location	Page Number
47-3269	Green Bay, WI	50
48-1675	Cheyenne, WY	50
48-5390	Lander, WY	50

PRECIPITATION PROBABILITIES

STATION 10831 BIRMINGHAM,AL
APRIL-SEPTEMBER 1937-1976 NORMAL = 25.41

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.324	2.541	1.000
0.400	24.179	6.353	1.000
0.600	26.835	12.705	0.999
0.800	30.153	19.058	0.911
0.900	32.804	22.869	0.697
0.950	35.104	25.410	0.506
0.960	35.794	31.763	0.133
0.970	36.653	38.115	0.018
0.980	37.816	44.468	0.001
0.990	39.696	48.279	0.000

STATION 10831 BIRMINGHAM,AL
OCTOBER-MARCH 1937-1975 NORMAL = 27.82

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	22.608	2.782	0.975
0.400	25.778	6.955	0.975
0.600	28.639	13.910	0.974
0.800	32.171	20.865	0.878
0.900	34.975	25.038	0.651
0.950	37.402	27.820	0.456
0.960	38.128	34.775	0.105
0.970	39.033	41.730	0.012
0.980	40.257	48.685	0.001
0.990	42.235	52.858	0.000

STATION 10831 BIRMINGHAM,AL
ANNUAL 1937-1976 NORMAL = 53.23

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	46.755	5.323	1.000
0.400	51.213	13.308	1.000
0.600	55.274	26.615	1.000
0.800	60.250	39.923	0.966
0.900	64.159	47.907	0.754
0.950	67.510	53.230	0.499
0.960	68.507	66.538	0.062
0.970	69.746	79.845	0.002
0.980	71.416	93.153	0.000
0.990	74.100	101.137	0.000

STATION 15478 MOBILE,AL
APRIL-SEPTEMBER 1937-1976 NORMAL = 38.58

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.911	3.858	1.000
0.400	34.712	9.645	1.000
0.600	39.240	19.290	0.992
0.800	44.970	28.935	0.834
0.900	49.597	34.722	0.600
0.950	53.643	38.580	0.428
0.960	54.861	48.225	0.124
0.970	56.382	57.870	0.022
0.980	58.446	67.515	0.003
0.990	61.797	73.302	0.001

STATION 15478 MOBILE,AL
OCTOBER-MARCH 1937-1975 NORMAL 28.40

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	22.406	2.840	0.975
0.400	25.643	7.100	0.975
0.600	28.570	14.200	0.973
0.800	32.191	21.300	0.852
0.900	35.071	25.560	0.606
0.950	37.566	28.400	0.411
0.960	38.313	35.500	0.089
0.970	39.244	42.600	0.010
0.980	40.504	49.700	0.001
0.990	42.541	53.960	0.000

STATION 15478 MOBILE,AL
ANNUAL 1937-1976 NORMAL 66.98

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	54.732	6.698	1.000
0.400	61.482	16.745	1.000
0.600	67.725	33.490	0.999
0.800	75.486	50.235	0.896
0.900	81.657	60.282	0.639
0.950	85.995	66.980	0.423
0.960	88.592	83.725	0.077
0.970	90.581	100.470	0.006
0.980	93.270	117.215	0.000
0.990	97.611	127.262	0.000

PRECIPITATION PROBABILITIES

STATION 26481 PHOENIX,AZ
APRIL-SEPTEMBER 1937-1976 NORMAL = 3.24

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.712	0.324	0.998
0.400	2.468	0.810	0.969
0.600	3.281	1.620	0.822
0.800	4.426	2.430	0.610
0.900	5.433	2.916	0.485
0.950	6.367	3.240	0.409
0.960	6.657	4.050	0.254
0.970	7.024	4.860	0.150
0.980	7.531	5.670	0.084
0.990	8.376	6.156	0.059

STATION 26481 PHOENIX,AZ
OCTOBER-MARCH 1937-1975 NORMAL = 3.81

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.806	0.381	0.971
0.400	2.786	0.953	0.933
0.600	3.841	1.905	0.782
0.800	5.343	2.858	0.587
0.900	6.677	3.429	0.474
0.950	7.922	3.810	0.406
0.960	8.394	4.763	0.266
0.970	8.803	5.715	0.167
0.980	9.484	6.668	0.101
0.990	10.622	7.239	0.074

STATION 26481 PHOENIX,AZ
ANNUAL 1937-1976 NORMAL = 7.05

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	4.544	0.705	1.000
0.400	5.918	1.763	0.995
0.600	7.306	3.525	0.814
0.800	9.170	5.288	0.695
0.900	10.750	6.345	0.536
0.950	12.179	7.050	0.434
0.960	12.617	8.813	0.231
0.970	13.169	10.575	0.108
0.980	13.925	12.338	0.046
0.990	15.172	13.395	0.027

STATION 29660 YUMA,AZ
APRIL-SEPTEMBER 1937-1976 NORMAL = 0.98

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.301	0.098	0.929
0.400	0.629	0.245	0.837
0.600	1.049	0.490	0.681
0.800	1.727	0.735	0.543
0.900	2.380	0.882	0.472
0.950	3.020	0.980	0.429
0.960	3.241	1.225	0.336
0.970	3.486	1.470	0.262
0.980	3.854	1.715	0.203
0.990	4.478	1.862	0.174

STATION 29660 YUMA,AZ
OCTOBER-MARCH 1937-1975 NORMAL = 1.69

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.473	0.169	0.928
0.400	0.952	0.423	0.822
0.600	1.553	0.845	0.642
0.800	2.506	1.268	0.487
0.900	3.417	1.521	0.409
0.950	4.305	1.690	0.363
0.960	4.614	2.113	0.268
0.970	4.949	2.535	0.196
0.980	5.457	2.958	0.143
0.990	6.317	3.211	0.117

STATION 29660 YUMA,AZ
ANNUAL 1937-1976 NORMAL = 2.67

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.325	0.267	0.994
0.400	2.040	0.668	0.949
0.600	2.837	1.335	0.797
0.800	3.995	2.003	0.610
0.900	5.036	2.403	0.503
0.950	6.013	2.670	0.438
0.960	6.378	3.338	0.300
0.970	6.707	4.005	0.199
0.980	7.246	4.673	0.128
0.990	8.147	5.073	0.097

PRECIPITATION PROBABILITIES

STATION 34248 LITTLE ROCK,AR
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.99

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.448	2.399	1.000
0.400	21.866	5.998	1.000
0.600	25.132	11.995	0.986
0.800	29.311	17.993	0.823
0.900	32.718	21.591	0.617
0.950	35.718	23.990	0.468
0.960	36.624	29.988	0.176
0.970	37.758	35.985	0.047
0.980	39.300	41.983	0.010
0.990	41.811	45.581	0.003

STATION 34248 LITTLE ROCK,AR
OCTOBER-MARCH 1937-1975 NORMAL = 24.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.241	2.453	0.975
0.400	22.055	6.133	0.975
0.600	25.620	12.265	0.958
0.800	30.156	18.398	0.793
0.900	33.850	22.077	0.599
0.950	37.105	24.530	0.459
0.960	38.088	30.663	0.183
0.970	39.320	36.795	0.054
0.980	40.995	42.928	0.012
0.990	43.726	46.607	0.005

STATION 34248 LITTLE ROCK,AR
ANNUAL 1937-1976 NORMAL = 48.52

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	41.163	4.852	1.000
0.400	46.120	12.130	1.000
0.600	50.698	24.260	1.000
0.800	56.380	36.390	0.927
0.900	60.893	43.668	0.705
0.950	64.793	48.520	0.494
0.960	65.959	60.650	0.104
0.970	67.411	72.780	0.009
0.980	69.373	84.910	0.000
0.990	72.540	92.188	0.000

STATION 42910 EUREKA,CA
APRIL-SEPTEMBER 1937-1976 NORMAL = 6.78

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	4.204	0.678	1.000
0.400	5.471	1.695	0.995
0.600	6.751	3.390	0.901
0.800	8.469	5.085	0.663
0.900	9.925	6.102	0.498
0.950	11.242	6.780	0.396
0.960	11.645	8.475	0.199
0.970	12.153	10.170	0.088
0.980	12.850	11.865	0.035
0.990	13.999	12.882	0.020

STATION 42910 EUREKA,CA
OCTOBER-MARCH 1937-1975 NORMAL = 32.98

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	26.906	3.298	0.975
0.400	31.053	8.245	0.975
0.600	34.823	16.490	0.973
0.800	39.506	24.735	0.876
0.900	43.245	29.682	0.672
0.950	46.493	32.980	0.496
0.960	47.467	41.225	0.148
0.970	48.682	49.470	0.025
0.980	50.327	57.715	0.003
0.990	52.991	62.662	0.001

STATION 42910 EUREKA,CA
ANNUAL 1937-1976 NORMAL = 39.76

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	32.747	3.976	1.000
0.400	37.190	9.940	1.000
0.600	41.326	19.880	0.998
0.800	46.499	29.820	0.896
0.900	50.635	35.784	0.668
0.950	54.225	39.760	0.474
0.960	55.302	49.700	0.118
0.970	56.643	59.640	0.015
0.980	58.460	69.580	0.001
0.990	61.398	75.544	0.000

PRECIPITATION PROBABILITIES

STATION 43257 FRESNO,CA
APRIL-SEPTEMBER 1937-1976 NORMAL - 1.71

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.583	0.171	0.967
0.400	1.035	0.428	0.869
0.600	1.584	0.855	0.677
0.800	2.432	1.283	0.503
0.900	3.227	1.539	0.414
0.950	3.994	1.710	0.362
0.960	4.265	2.138	0.256
0.970	4.547	2.565	0.179
0.980	4.980	2.993	0.123
0.990	5.713	3.249	0.098

STATION 43257 FRESNO,CA
OCTOBER-MARCH 1937-1975 NORMAL = 8.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.759	0.853	0.975
0.400	7.386	2.133	0.974
0.600	8.961	4.265	0.923
0.800	11.023	6.398	0.727
0.900	12.742	7.677	0.562
0.950	14.282	8.530	0.452
0.960	14.751	10.663	0.228
0.970	15.342	12.795	0.098
0.980	16.148	14.928	0.037
0.990	17.473	16.207	0.019

STATION 43257 FRESNO,CA
ANNUAL 1937-1976 NORMAL = 10.24

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.240	1.024	1.000
0.400	9.007	2.560	0.999
0.600	10.745	5.120	0.955
0.800	13.027	7.680	0.754
0.900	14.925	9.216	0.575
0.950	16.621	10.240	0.455
0.960	17.138	12.800	0.216
0.970	17.786	15.360	0.084
0.980	18.672	17.920	0.028
0.990	20.125	19.456	0.014

STATION 45114 LOS ANGELES,CA
APRIL-SEPTEMBER 1937-1976 NORMAL = 1.31

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.235	0.131	0.875
0.400	0.592	0.328	0.741
0.600	1.125	0.655	0.571
0.800	2.071	0.983	0.445
0.900	3.038	1.179	0.384
0.950	4.016	1.310	0.349
0.960	4.345	1.638	0.274
0.970	4.742	1.965	0.216
0.980	5.320	2.293	0.170
0.990	6.314	2.489	0.148

STATION 45114 LOS ANGELES,CA
OCTOBER-MARCH 1937-1975 NORMAL - 10.28

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.119	1.028	0.975
0.400	8.389	2.570	0.966
0.600	10.671	5.140	0.870
0.800	13.757	7.710	0.663
0.900	16.394	9.252	0.521
0.950	18.793	10.280	0.432
0.960	19.531	12.850	0.249
0.970	20.463	15.420	0.130
0.980	21.743	17.990	0.063
0.990	23.859	19.532	0.040

STATION 45114 LOS ANGELES,CA
ANNUAL 1937-1976 NORMAL = 11.59

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.559	1.159	1.000
0.400	9.912	2.898	0.995
0.600	12.301	5.795	0.915
0.800	15.519	8.693	0.707
0.900	18.254	10.431	0.554
0.950	20.732	11.590	0.456
0.960	21.492	14.488	0.254
0.970	22.451	17.385	0.126
0.980	23.766	20.283	0.057
0.990	25.934	22.021	0.034

PRECIPITATION PROBABILITIES

STATION 47630 SACRAMENTO,CA
APRIL-SEPTEMBER 1940-1976 NORMAL = 2.40

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.856	0.240	0.971
0.400	1.496	0.600	0.879
0.600	2.266	1.200	0.690
0.800	3.448	1.800	0.514
0.900	4.551	2.160	0.424
0.950	5.611	2.400	0.371
0.960	5.988	3.000	0.262
0.970	6.375	3.600	0.182
0.980	6.973	4.200	0.125
0.990	7.983	4.560	0.099

STATION 47630 SACRAMENTO,CA
OCTOBER-MARCH 1940-1975 NORMAL = 14.82

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.954	1.482	0.973
0.400	12.634	3.705	0.972
0.600	15.204	7.410	0.924
0.800	18.547	11.115	0.719
0.900	21.322	13.338	0.543
0.950	23.798	14.820	0.428
0.960	24.552	18.525	0.201
0.970	25.498	22.230	0.078
0.980	26.792	25.935	0.026
0.990	28.912	28.158	0.013

STATION 47630 SACRAMENTO,CA
ANNUAL 1940-1976 NORMAL = 17.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	12.128	1.722	1.000
0.400	15.010	4.305	0.998
0.600	17.835	8.610	0.956
0.800	21.534	12.915	0.749
0.900	24.605	15.498	0.564
0.950	27.344	17.220	0.441
0.960	28.177	21.525	0.200
0.970	29.224	25.830	0.074
0.980	30.652	30.135	0.023
0.990	32.993	32.718	0.011

STATION 47740 SAN DIEGO,CA
APRIL-SEPTEMBER 1937-1976 NORMAL = 1.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.279	0.122	0.908
0.400	0.633	0.305	0.783
0.600	1.130	0.610	0.611
0.800	1.975	0.915	0.477
0.900	2.818	1.098	0.410
0.950	3.661	1.220	0.371
0.960	3.947	1.525	0.289
0.970	4.281	1.830	0.225
0.980	4.773	2.135	0.175
0.990	5.614	2.318	0.151

STATION 47740 SAN DIEGO,CA
OCTOBER-MARCH 1937-1975 NORMAL = 8.23

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.011	0.823	0.975
0.400	6.781	2.058	0.968
0.600	8.548	4.115	0.880
0.800	10.923	6.173	0.672
0.900	12.942	7.407	0.526
0.950	14.775	8.230	0.434
0.960	15.337	10.288	0.244
0.970	16.047	12.345	0.124
0.980	17.022	14.403	0.058
0.990	18.630	15.637	0.035

STATION 47740 SAN DIEGO,CA
ANNUAL 1937-1976 NORMAL = 9.45

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.108	0.945	1.000
0.400	8.036	2.363	0.995
0.600	9.997	4.725	0.911
0.800	12.645	7.088	0.702
0.900	14.897	8.505	0.550
0.950	16.940	9.450	0.453
0.960	17.567	11.813	0.253
0.970	18.357	14.175	0.126
0.980	19.442	16.538	0.058
0.990	21.232	17.955	0.035

PRECIPITATION PROBABILITIES

STATION 47769 SAN FRANCISCO,CA
APRIL-SEPTEMBER 1937-1976 NORMAL = 2.33

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.835	0.233	0.974
0.400	1.429	0.583	0.883
0.600	2.134	1.165	0.687
0.800	3.206	1.748	0.503
0.900	4.202	2.097	0.409
0.950	5.154	2.330	0.354
0.960	5.495	2.913	0.244
0.970	5.839	3.495	0.164
0.980	6.375	4.078	0.109
0.990	7.278	4.427	0.085

STATION 47769 SAN FRANCISCO,CA
OCTOBER-MARCH 1937-1975 NORMAL = 17.20

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.285	1.720	0.975
0.400	14.577	4.300	0.973
0.600	17.775	8.600	0.913
0.800	21.979	12.900	0.707
0.900	25.493	15.480	0.541
0.950	28.646	17.200	0.434
0.960	29.608	21.500	0.218
0.970	30.818	25.800	0.094
0.980	32.474	30.100	0.036
0.990	35.195	32.680	0.018

STATION 47769 SAN FRANCISCO,CA
ANNUAL 1937-1976 NORMAL = 19.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.614	1.953	1.000
0.400	16.959	4.883	0.999
0.600	20.252	9.765	0.951
0.800	24.576	14.648	0.742
0.900	28.177	17.577	0.561
0.950	31.394	19.530	0.441
0.960	32.374	24.413	0.206
0.970	33.604	29.295	0.078
0.980	35.286	34.178	0.026
0.990	38.043	37.107	0.013

STATION 52220 DENVER,CO
APRIL-SEPTEMBER 1937-1976 NORMAL = 10.70

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.530	1.070	1.000
0.400	9.318	2.675	0.999
0.600	11.071	5.350	0.956
0.800	13.366	8.025	0.749
0.900	15.272	9.630	0.563
0.950	16.971	10.700	0.440
0.960	17.488	13.375	0.199
0.970	18.137	16.050	0.073
0.980	19.023	18.725	0.023
0.990	20.475	20.330	0.011

STATION 52220 DENVER,CO
ANNUAL 1937-1976 NORMAL = 15.51

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.664	1.551	1.000
0.400	13.894	3.878	1.000
0.600	16.031	7.755	0.982
0.800	18.773	11.633	0.802
0.900	21.013	13.959	0.594
0.950	22.988	15.510	0.447
0.960	23.585	19.388	0.167
0.970	24.333	23.265	0.045
0.980	25.350	27.143	0.009
0.990	27.007	29.469	0.003

STATION 53488 GRAND JUNCTION,CO
APRIL-SEPTEMBER 1937-1976 NORMAL = 4.32

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.020	0.432	1.000
0.400	3.731	1.080	0.999
0.600	4.429	2.160	0.955
0.800	5.341	3.240	0.742
0.900	6.098	3.888	0.553
0.950	6.772	4.320	0.429
0.960	6.978	5.400	0.190
0.970	7.235	6.480	0.068
0.980	7.587	7.560	0.021
0.990	8.163	8.208	0.009

PRECIPITATION PROBABILITIES

STATION 53488 GRAND JUNCTION,CO
OCTOBER-MARCH 1937-1975 NORMAL - 4.09

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.943	0.409	0.975
0.400	3.603	1.023	0.975
0.600	4.225	2.045	0.950
0.800	5.022	3.068	0.766
0.900	5.674	3.681	0.574
0.950	6.250	4.090	0.442
0.960	6.425	5.113	0.183
0.970	6.644	6.135	0.058
0.980	6.942	7.158	0.015
0.990	7.428	7.771	0.006

STATION 53488 GRAND JUNCTION,CO
ANNUAL 1937-1976 NORMAL = 8.41

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.376	0.841	1.000
0.400	7.525	2.103	1.000
0.600	8.620	4.205	0.986
0.800	10.019	6.308	0.810
0.900	11.157	7.569	0.592
0.950	12.157	8.410	0.437
0.960	12.459	10.513	0.150
0.970	12.837	12.615	0.036
0.980	13.351	14.718	0.006
0.990	14.186	15.979	0.002

STATION 63456 HARTFORD,CT
APRIL-SEPTEMBER 1937-1976 NORMAL 21.68

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.593	2.168	1.000
0.400	20.670	5.420	1.000
0.600	23.594	10.840	0.993
0.800	27.319	16.260	0.868
0.900	30.344	19.512	0.680
0.950	32.999	21.680	0.529
0.960	33.800	27.100	0.209
0.970	34.802	32.520	0.057
0.980	36.163	37.940	0.011
0.990	38.376	41.192	0.004

STATION 63456 HARTFORD,CT
ANNUAL 1937-1976 NORMAL = 43.37

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	38.026	4.337	1.000
0.400	42.253	10.843	1.000
0.600	46.137	21.685	1.000
0.800	50.936	32.528	0.953
0.900	54.732	39.033	0.757
0.950	58.003	43.370	0.542
0.960	58.980	54.213	0.111
0.970	60.195	65.055	0.009
0.980	61.835	75.898	0.000
0.990	64.478	82.403	0.000

STATION 84358 JACKSONVILLE,FL
APRIL-SEPTEMBER 1937-1976 NORMAL = 35.63

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.883	3.563	1.000
0.400	33.378	8.908	1.000
0.600	36.601	17.815	1.000
0.800	40.593	26.723	0.921
0.900	43.760	32.067	0.680
0.950	46.494	35.630	0.459
0.960	47.310	44.538	0.083
0.970	48.327	53.445	0.006
0.980	49.701	62.353	0.000
0.990	51.916	67.697	0.000

STATION 84358 JACKSONVILLE,FL
OCTOBER-MARCH 1937-1975 NORMAL = 18.84

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	12.251	1.884	0.975
0.400	15.940	4.710	0.973
0.600	19.540	9.420	0.909
0.800	24.287	14.130	0.703
0.900	28.267	16.956	0.541
0.950	31.844	18.840	0.437
0.960	32.937	23.550	0.225
0.970	34.312	28.260	0.100
0.980	36.194	32.970	0.040
0.990	39.289	35.796	0.022

PRECIPITATION PROBABILITIES

STATION 84358 JACKSONVILLE,FL
ANNUAL 1937-1976 NORMAL = 54.47

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	46.058	5.447	1.000
0.400	51.273	13.618	1.000
0.600	56.071	27.235	1.000
0.800	62.004	40.853	0.930
0.900	66.702	49.023	0.692
0.950	70.753	54.470	0.465
0.960	71.963	68.088	0.080
0.970	73.468	81.705	0.005
0.980	75.500	95.323	0.000
0.990	78.777	103.493	0.000

STATION 85663 MIAMI,FL
APRIL-SEPTEMBER 1937-1976 NORMAL = 41.09

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	31.400	4.109	1.000
0.400	37.100	10.273	1.000
0.600	42.535	20.545	0.986
0.800	49.479	30.818	0.817
0.900	55.132	36.981	0.604
0.950	60.104	41.090	0.451
0.960	61.605	51.363	0.161
0.970	63.483	61.635	0.040
0.980	66.036	71.908	0.007
0.990	70.191	78.071	0.002

STATION 85663 MIAMI,FL
OCTOBER-MARCH 1937-1975 NORMAL = 18.71

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.683	1.871	0.973
0.400	15.195	4.678	0.970
0.600	18.610	9.355	0.897
0.800	23.107	14.033	0.670
0.900	26.873	16.839	0.501
0.950	30.256	18.710	0.395
0.960	31.289	23.388	0.191
0.970	32.588	28.065	0.079
0.980	34.367	32.743	0.029
0.990	37.291	35.549	0.015

STATION 85663 MIAMI,FL
ANNUAL 1937-1976 NORMAL = 59.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	46.559	5.980	1.000
0.400	54.088	14.950	1.000
0.600	61.194	29.900	0.992
0.800	70.191	44.850	0.837
0.900	77.460	53.820	0.608
0.950	83.818	59.800	0.438
0.960	85.732	74.750	0.131
0.970	88.123	89.700	0.025
0.980	91.368	104.650	0.003
0.990	96.636	113.620	0.001

STATION 86997 PENSACOLA,FL
APRIL-SEPTEMBER 1937-1976 NORMAL = 37.69

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	27.847	3.769	1.000
0.400	33.342	9.423	1.000
0.600	38.624	18.845	0.978
0.800	45.420	28.268	0.786
0.900	50.985	33.921	0.577
0.950	55.900	37.690	0.434
0.960	57.387	47.113	0.164
0.970	59.249	56.535	0.045
0.980	61.784	65.958	0.010
0.990	65.919	71.611	0.004

STATION 86997 PENSACOLA,FL
OCTOBER-MARCH 1937-1975 NORMAL = 26.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.030	2.653	0.975
0.400	23.733	6.633	0.975
0.600	27.153	13.265	0.965
0.800	31.459	19.898	0.806
0.900	34.937	23.877	0.591
0.950	37.983	26.530	0.435
0.960	38.901	33.163	0.144
0.970	40.048	39.795	0.032
0.980	41.605	46.428	0.005
0.990	44.136	50.407	0.002

PRECIPITATION PROBABILITIES

STATION 86997 PENSACOLA,FL
ANNUAL 1937-1976 NORMAL = 64.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	49.211	6.422	1.000
0.400	57.792	16.055	1.000
0.600	65.945	32.110	0.988
0.800	76.329	48.165	0.821
0.900	84.758	57.798	0.600
0.950	92.158	64.220	0.440
0.960	94.389	80.275	0.147
0.970	97.180	96.330	0.033
0.980	100.971	112.385	0.005
0.990	107.137	122.018	0.002

STATION 88788 TAMPA,FL
APRIL-SEPTEMBER 1937-1976 NORMAL = 33.78

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	26.206	3.378	1.000
0.400	30.634	8.445	1.000
0.600	34.830	16.890	0.991
0.800	40.160	25.335	0.833
0.900	44.478	30.402	0.611
0.950	48.263	33.780	0.448
0.960	49.404	42.225	0.146
0.970	50.830	50.670	0.031
0.980	52.765	59.115	0.005
0.990	55.912	64.182	0.001

STATION 88788 TAMPA,FL
OCTOBER-MARCH 1937-1975 NORMAL = 15.60

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.373	1.560	0.975
0.400	12.360	3.900	0.970
0.600	15.298	7.800	0.881
0.800	19.198	11.700	0.647
0.900	22.484	14.040	0.482
0.950	25.447	15.600	0.381
0.960	26.354	19.500	0.188
0.970	27.496	23.400	0.081
0.980	29.061	27.300	0.032
0.990	31.638	29.640	0.017

STATION 88788 TAMPA,FL
ANNUAL 1937-1976 NORMAL = 49.38

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	39.322	4.938	1.000
0.400	44.938	12.345	1.000
0.600	50.188	24.690	0.997
0.800	56.775	37.035	0.864
0.900	62.056	44.442	0.619
0.950	66.651	49.380	0.428
0.960	68.030	61.725	0.105
0.970	69.750	74.070	0.014
0.980	72.081	86.415	0.001
0.990	75.854	93.822	0.000

STATION 90451 ATLANTA,GA
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.58

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.091	2.358	1.000
0.400	22.392	5.895	1.000
0.600	24.509	11.790	1.000
0.800	27.130	17.685	0.934
0.900	29.206	21.222	0.708
0.950	30.997	23.580	0.486
0.960	31.532	29.475	0.091
0.970	32.197	35.370	0.007
0.980	33.096	41.265	0.000
0.990	34.546	44.802	0.000

STATION 90451 ATLANTA,GA
OCTOBER-MARCH 1937-1975 NORMAL = 24.76

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	19.783	2.476	0.975
0.400	23.064	6.190	0.975
0.600	26.065	12.380	0.971
0.800	29.813	18.570	0.856
0.900	32.818	22.284	0.652
0.950	35.437	24.760	0.485
0.960	36.224	30.950	0.156
0.970	37.207	37.140	0.031
0.980	38.538	43.330	0.004
0.990	40.697	47.044	0.001

PRECIPITATION PROBABILITIES

STATION 90451 ATLANTA,GA
ANNUAL 1937-1976 NORMAL = 48.34

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	42.330	4.834	1.000
0.400	46.598	12.085	1.000
0.600	50.497	24.170	1.000
0.800	55.289	36.255	0.960
0.900	59.062	43.506	0.750
0.950	62.302	48.340	0.509
0.960	63.268	60.425	0.076
0.970	64.468	72.510	0.003
0.980	66.086	84.595	0.000
0.990	68.689	91.846	0.000

STATION 101022 BOISE,ID
APRIL-SEPTEMBER 1937-1976 NORMAL = 4.38

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.786	0.438	1.000
0.400	3.636	1.095	0.995
0.600	4.497	2.190	0.909
0.800	5.653	3.285	0.686
0.900	6.635	3.942	0.526
0.950	7.523	4.380	0.425
0.960	7.795	5.475	0.225
0.970	8.138	6.570	0.105
0.980	8.609	7.665	0.045
0.990	9.385	8.322	0.026

STATION 101022 BOISE,ID
ANNUAL 1937-1976 NORMAL = 11.50

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.600	1.150	1.000
0.400	10.894	2.875	1.000
0.600	12.099	5.750	0.999
0.800	13.604	8.625	0.907
0.900	14.807	10.350	0.690
0.950	15.851	11.500	0.498
0.960	16.164	14.375	0.130
0.970	16.555	17.250	0.018
0.980	17.083	20.125	0.001
0.990	17.937	21.850	0.000

STATION 107211 POCATELLO,ID
APRIL-SEPTEMBER 1937-1976 NORMAL = 5.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.678	0.522	1.000
0.400	4.598	1.305	0.999
0.600	5.505	2.610	0.952
0.800	6.699	3.915	0.752
0.900	7.694	4.698	0.577
0.950	8.585	5.220	0.460
0.960	8.856	6.525	0.223
0.970	9.197	7.830	0.090
0.980	9.663	9.135	0.032
0.990	10.427	9.918	0.016

STATION 107211 POCATELLO,ID
ANNUAL 1937-1976 NORMAL = 10.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	8.912	1.080	1.000
0.400	10.418	2.700	1.000
0.600	11.844	5.400	0.995
0.800	13.656	8.100	0.882
0.900	15.124	9.720	0.698
0.950	16.411	10.800	0.545
0.960	16.799	13.500	0.214
0.970	17.284	16.200	0.056
0.980	17.942	18.900	0.011
0.990	19.012	20.520	0.004

STATION 111577 CHICAGO,IL
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.34

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.021	2.134	1.000
0.400	19.576	5.335	1.000
0.600	21.972	10.670	0.996
0.800	24.990	16.005	0.863
0.900	27.417	19.206	0.631
0.950	29.533	21.340	0.451
0.960	30.169	26.675	0.125
0.970	30.962	32.010	0.020
0.980	32.038	37.345	0.002
0.990	33.781	40.546	0.000

PRECIPITATION PROBABILITIES

STATION 111577 CHICAGO,IL
ANNUAL 1937-1976 NORMAL = 34.44

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	28.646	3.444	1.000
0.400	32.231	8.610	1.000
0.600	35.551	17.220	0.999
0.800	39.681	25.830	0.910
0.900	42.968	30.996	0.674
0.950	45.813	34.440	0.465
0.960	46.664	43.050	0.098
0.970	47.724	51.660	0.009
0.980	49.158	60.270	0.000
0.990	51.474	65.436	0.000

STATION 124259 INDIANAPOLIS,IN
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.45

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.654	2.145	1.000
0.400	20.228	5.363	1.000
0.600	22.638	10.725	0.997
0.800	25.666	16.088	0.890
0.900	28.097	19.305	0.677
0.950	30.214	21.450	0.497
0.960	30.850	26.813	0.146
0.970	31.643	32.175	0.025
0.980	32.718	37.538	0.003
0.990	34.459	40.755	0.001

STATION 124259 INDIANAPOLIS,IN
ANNUAL 1937-1976 NORMAL = 38.74

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	33.609	3.874	1.000
0.400	37.205	9.685	1.000
0.600	40.503	19.370	1.000
0.800	44.568	29.055	0.951
0.900	47.778	34.866	0.736
0.950	50.541	38.740	0.506
0.960	51.364	48.425	0.086
0.970	52.389	58.110	0.005
0.980	53.772	67.795	0.000
0.990	55.999	73.606	0.000

STATION 132203 DES MOINES,IA
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.70

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.924	2.170	1.000
0.400	20.425	5.425	1.000
0.600	22.758	10.850	0.998
0.800	25.681	16.275	0.896
0.900	28.022	19.530	0.676
0.950	30.057	21.700	0.489
0.960	30.667	27.125	0.132
0.970	31.428	32.550	0.019
0.980	32.459	37.975	0.002
0.990	34.127	41.230	0.000

STATION 132203 DES MOINES,IA
ANNUAL 1937-1976 NORMAL = 30.85

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	25.658	3.085	1.000
0.400	29.121	7.713	1.000
0.600	32.343	15.425	0.999
0.800	36.372	23.138	0.904
0.900	39.592	27.765	0.684
0.950	42.387	30.850	0.491
0.960	43.224	38.563	0.126
0.970	44.269	46.275	0.017
0.980	45.682	53.988	0.001
0.990	47.968	58.615	0.000

STATION 132367 DUBUQUE,IA
APRIL-SEPTEMBER 1937-1976 NORMAL = 27.08

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.053	2.708	1.000
0.400	23.367	6.770	1.000
0.600	26.502	13.540	0.987
0.800	30.477	20.310	0.786
0.900	33.693	24.372	0.534
0.950	36.509	27.080	0.366
0.960	37.357	33.850	0.096
0.970	38.417	40.620	0.016
0.980	39.855	47.390	0.002
0.990	42.192	51.452	0.000

PRECIPITATION PROBABILITIES

STATION 132367 DUBUQUE,IA
ANNUAL 1937-1976 NORMAL = 40.27

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	30.566	4.027	1.000
0.400	35.056	10.068	1.000
0.600	39.262	20.135	0.994
0.800	44.550	30.203	0.814
0.900	48.797	36.243	0.542
0.950	52.497	40.270	0.356
0.960	53.607	50.338	0.076
0.970	54.994	60.405	0.009
0.980	56.873	70.473	0.001
0.990	59.916	76.513	0.000

STATION 142164 DODGE CITY,KS
APRIL-SEPTEMBER 1937-1976 NORMAL = 15.57

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.057	1.557	1.000
0.400	13.751	3.893	0.999
0.600	16.400	7.785	0.956
0.800	19.877	11.678	0.757
0.900	22.769	14.013	0.579
0.950	25.353	15.570	0.460
0.960	26.139	19.463	0.219
0.970	27.127	23.355	0.086
0.980	28.476	27.248	0.029
0.990	30.688	29.583	0.014

STATION 142164 DODGE CITY,KS
ANNUAL 1937-1976 NORMAL = 20.58

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.231	2.058	1.000
0.400	18.557	5.145	1.000
0.600	21.788	10.290	0.972
0.800	25.983	15.435	0.789
0.900	29.444	18.522	0.602
0.950	32.516	20.580	0.472
0.960	33.449	25.725	0.210
0.970	34.618	30.870	0.073
0.980	36.212	36.015	0.021
0.990	38.819	39.102	0.008

STATION 154746 LEXINGTON,KY
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.142	2.322	1.000
0.400	22.587	5.805	1.000
0.600	24.846	11.610	1.000
0.800	27.651	17.415	0.940
0.900	29.880	20.898	0.744
0.950	31.807	23.220	0.543
0.960	32.383	29.025	0.132
0.970	33.101	34.830	0.014
0.980	34.070	40.635	0.001
0.990	35.636	44.118	0.000

STATION 154746 LEXINGTON,KY
OCTOBER-MARCH 1937-1975 NORMAL = 21.27

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.920	2.127	0.975
0.400	19.781	5.318	0.975
0.600	22.402	10.635	0.970
0.800	25.681	15.953	0.852
0.900	28.313	19.143	0.649
0.950	30.609	21.270	0.485
0.960	31.299	26.588	0.160
0.970	32.161	31.905	0.033
0.980	33.329	37.223	0.005
0.990	35.225	40.413	0.001

STATION 154746 LEXINGTON,KY
ANNUAL 1937-1976 NORMAL = 44.49

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	39.595	4.449	1.000
0.400	43.545	11.123	1.000
0.600	47.152	22.245	1.000
0.800	51.582	33.368	0.968
0.900	55.068	40.041	0.780
0.950	58.061	44.490	0.547
0.960	58.953	55.613	0.089
0.970	60.061	66.735	0.004
0.980	61.555	77.858	0.000
0.990	63.958	84.531	0.000

PRECIPITATION PROBABILITIES

STATION 166660 NEW ORLEANS,LA
APRIL-SEPTEMBER 1937-1976 NORMAL = 30.66

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	25.364	3.066	1.000
0.400	29.304	7.665	1.000
0.600	33.011	15.330	0.996
0.800	37.690	22.995	0.890
0.900	41.460	27.594	0.692
0.950	44.753	30.660	0.525
0.960	45.743	38.325	0.179
0.970	46.979	45.990	0.038
0.980	48.656	53.655	0.005
0.990	51.376	58.254	0.001

STATION 166660 NEW ORLEANS,LA
OCTOBER-MARCH 1937-1975 NORMAL = 26.11

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.248	2.611	0.975
0.400	24.066	6.528	0.975
0.600	27.598	13.055	0.966
0.800	32.053	19.583	0.828
0.900	35.656	23.499	0.632
0.950	38.814	26.110	0.482
0.960	39.766	32.638	0.180
0.970	40.956	39.165	0.046
0.980	42.573	45.693	0.009
0.990	45.201	49.609	0.003

STATION 166660 NEW ORLEANS,LA
ANNUAL 1937-1976 NORMAL = 56.77

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	48.316	5.677	1.000
0.400	54.711	14.193	1.000
0.600	60.654	28.385	0.999
0.800	68.075	42.578	0.922
0.900	73.999	51.093	0.719
0.950	79.137	56.770	0.529
0.960	80.676	70.963	0.145
0.970	82.595	85.155	0.020
0.980	85.191	99.348	0.002
0.930	89.389	107.863	0.000

STATION 168440 SHREVEPORT,LA
APRIL-SEPTEMBER 1937-1976 NORMAL = 22.21

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.451	2.221	1.000
0.400	19.939	5.553	1.000
0.600	23.316	11.105	0.974
0.800	27.689	16.658	0.789
0.900	31.289	19.989	0.597
0.950	34.480	22.210	0.463
0.960	35.447	27.763	0.197
0.970	36.660	33.315	0.065
0.980	38.313	38.868	0.017
0.990	41.013	42.199	0.007

STATION 168440 SHREVEPORT,LA
OCTOBER-MARCH 1937-1975 NORMAL = 22.51

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.471	2.251	0.975
0.400	20.958	5.628	0.975
0.600	24.202	11.255	0.964
0.800	28.313	16.883	0.827
0.900	31.650	20.259	0.644
0.950	34.583	22.510	0.502
0.960	35.468	28.138	0.207
0.970	36.576	33.765	0.061
0.980	38.082	39.393	0.014
0.990	40.534	42.769	0.005

STATION 168440 SHREVEPORT,LA
ANNUAL 1937-1976 NORMAL = 44.72

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	37.444	4.472	1.000
0.400	42.582	11.180	1.000
0.600	47.370	22.360	0.999
0.800	53.362	33.540	0.908
0.900	58.156	40.248	0.696
0.950	62.319	44.720	0.509
0.960	63.568	55.900	0.141
0.970	65.124	67.080	0.021
0.980	67.232	78.260	0.002
0.990	70.641	84.968	0.000

PRECIPITATION PROBABILITIES

STATION 171175 CARIBOU,ME
APRIL-SEPTEMBER 1940-1976 NORMAL = 20.04

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.430	2.004	1.000
0.400	18.843	5.010	1.000
0.600	21.102	10.020	0.997
0.800	23.943	15.030	0.887
0.900	26.224	18.036	0.671
0.950	28.211	20.040	0.492
0.960	28.808	25.050	0.145
0.970	29.553	30.060	0.025
0.980	30.562	35.070	0.003
0.990	32.197	38.076	0.001

STATION 171175 CARIBOU,ME
ANNUAL 1940-1976 NORMAL = 35.82

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	32.153	3.582	1.000
0.400	34.989	8.955	1.000
0.600	37.561	17.910	1.000
0.800	40.702	26.865	0.979
0.900	43.161	32.238	0.795
0.950	45.264	35.820	0.535
0.960	45.889	44.775	0.059
0.970	46.665	53.730	0.001
0.980	47.710	62.685	0.000
0.990	49.387	68.058	0.000

STATION 176905 PORTLAND,ME
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.30

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.825	1.830	1.000
0.400	17.385	4.575	1.000
0.600	19.815	9.150	0.993
0.800	22.908	13.725	0.868
0.900	25.416	16.470	0.676
0.950	27.618	18.300	0.523
0.960	28.282	22.875	0.202
0.970	29.112	27.450	0.053
0.980	30.239	32.025	0.010
0.990	32.072	34.770	0.003

STATION 176905 PORTLAND,ME
ANNUAL 1937-1976 NORMAL = 40.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	35.785	4.080	1.000
0.400	39.858	10.200	1.000
0.600	43.605	20.400	1.000
0.800	48.242	30.600	0.952
0.900	51.914	36.720	0.759
0.950	55.081	40.800	0.549
0.960	56.026	51.000	0.120
0.970	57.203	61.200	0.010
0.980	58.792	71.400	0.000
0.990	61.355	77.520	0.000

STATION 190770 BOSTON,MA
APRIL-SEPTEMBER 1937-1976 NORMAL - 19.51

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.529	1.951	1.000
0.400	17.637	4.878	1.000
0.600	20.650	9.755	0.974
0.800	24.554	14.633	0.794
0.900	27.769	17.559	0.605
0.950	30.621	19.510	0.473
0.960	31.486	24.388	0.207
0.970	32.570	29.265	0.070
0.980	34.048	34.143	0.019
0.990	36.463	37.069	0.008

STATION 190770 BOSTON,MA
ANNUAL 1937-1976 NORMAL = 42.52

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	35.004	4.252	1.000
0.400	39.623	10.630	1.000
0.600	43.915	21.260	0.999
0.800	49.273	31.890	0.898
0.900	53.550	38.268	0.663
0.950	57.259	42.520	0.463
0.960	58.370	53.150	0.107
0.970	59.755	63.780	0.012
0.980	61.629	74.410	0.001
0.990	64.659	80.788	0.000

PRECIPITATION PROBABILITIES

STATION 202103 DETROIT,MI
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.49

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.960	1.849	1.000
0.400	17.019	4.623	1.000
0.600	18.937	9.245	0.998
0.800	21.339	13.868	0.880
0.900	23.260	16.641	0.640
0.950	24.929	18.490	0.445
0.960	25.430	23.113	0.106
0.970	26.054	27.735	0.013
0.980	26.899	32.358	0.001
0.990	28.266	35.131	0.000

STATION 202103 DETROIT,MI
ANNUAL 1937-1976 NORMAL = 31.69

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	26.916	3.169	1.000
0.400	29.833	7.923	1.000
0.600	32.509	15.845	1.000
0.800	35.810	23.768	0.937
0.900	38.418	28.521	0.696
0.950	40.664	31.690	0.460
0.960	41.334	39.613	0.070
0.970	42.167	47.535	0.004
0.980	43.291	55.458	0.000
0.990	45.103	60.211	0.000

STATION 204641 LANSING,MI
APRIL-SEPTEMBER 1937-1976 NORMAL = 17.93

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.924	1.793	1.000
0.400	17.079	4.483	1.000
0.600	19.094	8.965	0.998
0.800	21.625	13.448	0.900
0.900	23.655	16.137	0.693
0.950	25.423	17.930	0.514
0.960	25.953	22.413	0.155
0.970	26.615	26.895	0.026
0.980	27.512	31.378	0.003
0.990	28.965	34.067	0.001

STATION 204641 LANSING,MI
ANNUAL 1937-1976 NORMAL = 30.39

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	26.760	3.039	1.000
0.400	29.631	7.598	1.000
0.600	32.263	15.195	1.000
0.800	35.508	22.793	0.958
0.900	38.071	27.351	0.763
0.950	40.277	30.390	0.541
0.960	40.935	37.988	0.102
0.970	41.753	45.585	0.007
0.980	42.858	53.183	0.000
0.990	44.636	57.741	0.000

STATION 205712 MUSKEGON,MI
APRIL-SEPTEMBER 1937-1976 NORMAL = 16.95

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.947	1.695	1.000
0.400	15.804	4.238	1.000
0.600	17.531	8.475	0.999
0.800	19.687	12.713	0.897
0.900	21.409	15.255	0.664
0.950	22.903	16.950	0.465
0.960	23.351	21.188	0.110
0.970	23.909	25.425	0.013
0.980	24.664	29.663	0.001
0.990	25.885	32.205	0.000

STATION 205712 MUSKEGON,MI
ANNUAL 1937-1976 NORMAL = 31.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	27.725	3.153	1.000
0.400	30.038	7.883	1.000
0.600	32.131	15.765	1.000
0.800	34.680	23.648	0.975
0.900	36.671	28.377	0.749
0.950	38.371	31.530	0.456
0.960	38.875	39.413	0.031
0.970	39.502	47.295	0.000
0.980	40.345	55.178	0.000
0.990	41.697	59.907	0.000

PRECIPITATION PROBABILITIES

STATION 207366 SAULT STE. MARIE,MI
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.09

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.949	1.809	1.000
0.400	16.931	4.523	1.000
0.600	18.774	9.045	0.999
0.800	21.076	13.568	0.900
0.900	22.913	16.281	0.670
0.950	24.507	18.090	0.472
0.960	24.984	22.613	0.113
0.970	25.579	27.135	0.013
0.980	26.385	31.658	0.001
0.990	27.687	34.371	0.000

STATION 207366 SAULT STE. MARIE,MI
ANNUAL 1937-1976 NORMAL = 31.70

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	28.522	3.170	1.000
0.400	30.888	7.925	1.000
0.600	33.029	15.850	1.000
0.800	35.636	23.775	0.983
0.900	37.672	28.530	0.799
0.950	39.409	31.700	0.523
0.960	39.925	39.625	0.046
0.970	40.566	47.550	0.001
0.980	41.427	55.475	0.000
0.990	42.809	60.230	0.000

STATION 212248 DULUTH,MN
APRIL-SEPTEMBER 1937-1976 NORMAL = 20.98

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.086	2.098	1.000
0.400	19.311	5.245	1.000
0.600	21.377	10.490	0.999
0.800	23.954	15.735	0.890
0.900	26.008	18.882	0.642
0.950	27.790	20.980	0.437
0.960	28.323	26.225	0.092
0.970	28.988	31.470	0.009
0.980	29.887	36.715	0.001
0.990	31.341	39.862	0.000

STATION 212248 DULUTH,MN
ANNUAL 1937-1976 NORMAL 30.18

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	25.485	3.018	1.000
0.400	28.318	7.545	1.000
0.600	30.920	15.090	1.000
0.800	34.136	22.635	0.931
0.900	36.680	27.162	0.687
0.950	38.872	30.180	0.455
0.960	39.526	37.725	0.073
0.970	40.341	45.270	0.004
0.980	41.439	52.815	0.000
0.990	43.211	57.342	0.000

STATION 214026 INTL. FALLS,MN
APRIL-SEPTEMBER 1940-1976 NORMAL 19.02

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.022	1.902	1.000
0.400	17.227	4.755	1.000
0.600	19.293	9.510	0.996
0.800	21.890	14.265	0.855
0.900	23.976	17.118	0.611
0.950	25.793	19.020	0.425
0.960	26.339	23.775	0.107
0.970	27.020	28.530	0.015
0.980	27.942	33.285	0.001
0.990	29.437	36.138	0.000

STATION 214026 INTL. FALLS,MN
ANNUAL 1940-1976 NORMAL = 25.65

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.505	2.565	1.000
0.400	23.856	6.413	1.000
0.600	26.014	12.825	1.000
0.800	28.678	19.238	0.927
0.900	30.783	23.085	0.671
0.950	32.597	25.650	0.433
0.960	33.138	32.063	0.062
0.970	33.811	38.475	0.003
0.980	34.719	44.888	0.000
0.990	36.183	48.735	0.000

PRECIPITATION PROBABILITIES

STATION 215435 MINNEAPOLIS,MN
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.82

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.643	1.882	1.000
0.400	17.006	4.705	1.000
0.600	19.235	9.410	0.992
0.800	22.057	14.115	0.837
0.900	24.336	16.938	0.606
0.950	26.330	18.820	0.436
0.960	26.931	23.525	0.130
0.970	27.680	28.230	0.024
0.980	28.698	32.935	0.003
0.990	30.349	35.756	0.001

STATION 215435 MINNEAPOLIS,MN
ANNUAL 1937-1976 NORMAL = 25.94

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.144	2.594	1.000
0.400	24.027	6.485	1.000
0.600	26.712	12.970	0.998
0.800	30.070	19.455	0.887
0.900	32.756	23.346	0.651
0.950	35.089	25.940	0.456
0.960	35.788	32.425	0.110
0.970	36.660	38.910	0.014
0.980	37.840	45.395	0.001
0.990	39.749	49.286	0.000

STATION 224472 JACKSON,MS
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.28

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	19.594	2.328	1.000
0.400	22.355	5.820	1.000
0.600	24.933	11.640	0.998
0.800	28.166	17.460	0.909
0.900	30.756	20.952	0.707
0.950	33.008	23.280	0.527
0.960	33.683	29.100	0.158
0.970	34.526	34.920	0.026
0.980	35.667	40.740	0.003
0.990	37.515	44.232	0.001

STATION 224472 JACKSON,MS
OCTOBER-MARCH 1937-1975 NORMAL = 25.91

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.698	2.591	0.975
0.400	24.325	6.478	0.975
0.600	27.658	12.955	0.970
0.800	31.838	19.433	0.854
0.900	35.202	23.319	0.660
0.950	38.140	25.910	0.503
0.960	39.025	32.388	0.180
0.970	40.129	38.865	0.042
0.980	41.627	45.343	0.007
0.990	44.059	49.229	0.002

STATION 224472 JACKSON,MS
ANNUAL 1937-1976 NORMAL 49.19

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	42.891	4.919	1.000
0.400	47.911	12.298	1.000
0.600	52.538	24.595	1.000
0.800	58.272	36.893	0.946
0.900	62.820	44.271	0.750
0.950	66.746	49.190	0.544
0.960	67.919	61.488	0.124
0.970	69.379	73.785	0.012
0.980	71.351	86.083	0.001
0.990	74.534	93.461	0.000

STATION 234358 KANSAS CITY, MO
APRIL-SEPTEMBER 1937-1976 NORMAL 25.72

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.892	2.572	1.000
0.400	22.470	6.430	1.000
0.600	25.895	12.860	0.979
0.800	30.286	19.290	0.780
0.900	33.871	23.148	0.559
0.950	37.031	25.720	0.410
0.960	37.986	32.150	0.141
0.970	39.181	38.580	0.035
0.980	40.807	45.010	0.007
0.990	43.457	48.868	0.002

PRECIPITATION PROBABILITIES

STATION 234358 KANSAS CITY, MO
ANNUAL 1937-1976 NORMAL = 37.00

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	28.560	3.700	1.000
0.400	33.334	9.250	1,000
0.600	37.852	18.500	0.891
0.800	43.587	27.750	0.828
0.900	48.230	33.300	0.602
0.950	52.298	37.000	0.436
0.960	53.524	46.250	0.136
0.970	55.055	55.500	0.028
0.980	57.135	64.750	0.004
0.990	60.513	70.300	0.001

STATION 237455 ST. LOUIS,MO
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.65

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.377	2.165	1.000
0.400	19.166	5.413	1.000
0.600	21.810	10.825	0.988
0.800	25.172	16.238	0.809
0.900	27.897	19.485	0.575
0.950	30.286	21.650	0.411
0.960	31.006	27.063	0.125
0.970	31.907	32.475	0.025
0.980	33.129	37.888	0.004
0.990	35.116	41.135	0.001

STATION 237455 ST. LOUIS,MO
ANNUAL 1937-1976 NORMAL = 35.89

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.689	3.589	1.000
0.400	33.380	8.973	1.000
0.600	36.796	17.945	0.999
0.800	41.043	26.918	0.906
0.900	44.422	32.301	0.663
0.950	47.346	35.890	0.451
0.960	48.221	44.863	0.091
0.970	49.311	53.835	0.008
0.980	50.784	62.808	0.000
0.990	53.163	68.191	0.000

STATION 240807 BILLINGS,MT
APRIL-SEPTEMBER 1937-1976 NORMAL = 9.51

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.448	0.951	1.000
0.400	8.728	2.378	1.000
0.600	9.942	4.755	0.991
0.800	11.486	7.133	0.841
0.900	12.739	8.559	0.628
0.950	13.838	9.510	0.469
0.960	14.169	11.888	0.162
0.970	14.583	14.265	0.037
0.980	15.146	16.643	0.006
0.990	16.060	18.069	0.002

STATION 240807 BILLINGS,MT
ANNUAL 1937-1976 NORMAL = 14.15

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.910	1.415	1.000
0.400	13.582	3.538	1.000
0.600	15.144	7.075	0.998
0.800	17.101	10.613	0.910
0.900	18.668	12.735	0.707
0.950	20.031	14.150	0.526
0.960	20.440	17.688	0.156
0.970	20.950	21.225	0.026
0.980	21.641	24.763	0.003
0.990	22.759	26.885	0.001

STATION 243751 GREAT FALLS,MT
APRIL-SEPTEMBER 1937-1976 NORMAL = 10.19

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.569	1.019	1.000
0.400	9.051	2.548	1.000
0.600	10.475	5.095	0.979
0.800	12.306	7.643	0.791
0.900	13.804	9.171	0.583
0.950	15.126	10.190	0.438
0.960	15.526	12.738	0.166
0.970	16.027	15.285	0.046
0.980	16.709	17.833	0.010
0.990	17.821	19.361	0.004

PRECIPITATION PROBABILITIES

STATION 243751 GREAT FALLS,MT
ANNUAL 1937-1976 NORMAL = 14.99

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.803	1.499	1.000
0.400	13.614	3.748	1.000
0.600	15.317	7.495	0.995
0.800	17.464	11.243	0.850
0.900	19.193	13.491	0.615
0.950	20.702	14.990	0.437
0.960	21.155	18.738	0.121
0.970	21.722	22.485	0.020
0.980	22.489	26.233	0.002
0.990	23.735	28.481	0.001

STATION 243996 HAVRE,MT
APRIL-SEPTEMBER 1937-1976 NORMAL = 8.59

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.290	0.859	1.000
0.400	7.678	2.148	1.000
0.600	9.027	4.295	0.969
0.800	10.780	6.443	0.780
0.900	12.227	7.731	0.592
0.950	13.513	8.590	0.462
0.960	13.903	10.738	0.204
0.970	14.393	12.885	0.071
0.980	15.061	15.033	0.020
0.990	16.152	16.321	0.009

STATION 243996 HAVRE,MT
ANNUAL 1937-1976 NORMAL = 11.55

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.253	1.155	1.000
0.400	10.768	2.888	1.000
0.600	12.200	5.775	0.994
0.800	14.015	8.663	0.862
0.900	15.482	10.395	0.653
0.950	16.766	11.550	0.489
0.960	17.153	14.438	0.166
0.970	17.636	17.325	0.036
0.980	18.292	20.213	0.006
0.990	19.357	21.945	0.002

STATION 245745 MISSOULA,MT
APRIL-SEPTEMBER 1937-1976 NORMAL = 7.71

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.776	0.771	1.000
0.400	6.754	1.928	1.000
0.600	7.681	3.855	0.987
0.800	8.858	5.783	0.799
0.900	9.812	6.939	0.559
0.950	10.648	7.710	0.394
0.960	10.900	9.638	0.114
0.970	11.215	11.565	0.022
0.980	11.642	13.493	0.003
0.990	12.337	14.649	0.001

STATION 245745 MISSOULA,MT
ANNUAL 1937-1976 NORMAL = 13.34

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.088	1.334	1.000
0.400	12.416	3.335	1.000
0.600	13.642	6.670	0.999
0.800	15.163	10.005	0.913
0.900	16.371	12.006	0.667
0.950	17.415	13.340	0.448
0.960	17.727	16.675	0.082
0.970	18.115	20.010	0.006
0.980	18.640	23.345	0.000
0.990	19.487	25.346	0.000

STATION 254795 LINCOLN,NE
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.74

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.777	2.174	1.000
0.400	18.656	5.435	1.000
0.600	21.402	10.870	0.979
0.800	24.913	16.305	0.767
0.900	27.772	19.566	0.532
0.950	30.287	21.740	0.377
0.960	31.047	27.175	0.117
0.970	31.997	32.610	0.025
0.980	33.289	38.045	0.004
0.990	35.392	41.306	0.001

PRECIPITATION PROBABILITIES

STATION 254795 LINCOLN,NE
ANNUAL 1937-1976 NORMAL = 28.61

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	22.691	2.861	1.000
0.400	26.052	7.153	1.000
0.600	29.202	14.305	0.996
0.800	33.165	21.458	0.858
0.900	36.349	25.749	0.620
0.950	39.124	28.610	0.436
0.960	39.958	35.763	0.115
0.970	40.998	42.915	0.017
0.980	42.407	50.068	0.002
0.990	44.692	54.359	0.000

STATION 256065 NORTH PLATTE,NE
APRIL-SEPTEMBER 1937-1976 NORMAL = 16.02

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	10.958	1.602	1.000
0.400	13.526	4.005	0.999
0.600	16.040	8.010	0.950
0.800	19.326	12.015	0.722
0.900	22.051	14.418	0.527
0.950	24.481	16.020	0.401
0.960	25.219	20.025	0.169
0.970	26.146	24.030	0.057
0.980	27.412	28.035	0.016
0.990	29.485	30.438	0.007

STATION 256065 NORTH PLATTE,NE
ANNUAL 1937-1976 NORMAL 19.90

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.645	1.990	1.000
0.400	17.366	4.975	1.000
0.600	19.967	9.950	0.981
0.800	23.296	14.925	0.782
0.900	26.010	17.910	0.557
0.950	28.400	19.900	0.405
0.960	29.122	24.875	0.135
0.970	30.026	29.850	0.032
0.980	31.254	34.825	0.006
0.990	33.256	37.810	0.002

STATION 262631 ELY,NV
APRIL-SEPTEMBER 1939-1976 NORMAL - 4.64

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.825	0.464	1.000
0.400	3.797	1.160	0.990
0.600	4.798	2.320	0.886
0.800	6.163	3.480	0.667
0.900	7.333	4.176	0.521
0.950	8.401	4.640	0.429
0.960	8.729	5.800	0.244
0.970	9.144	6.960	0.126
0.980	9.714	8.120	0.060
0.990	10.657	8.816	0.038

STATION 262631 ELY,NV
OCTOBER-MARCH 1939-1975 NORMAL = 4.06

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.025	0.406	0.974
0.400	3.664	1.015	0.974
0.600	4.259	2.030	0.957
0.800	5.017	3.045	0.795
0.900	5.634	3.654	0.603
0.950	6.178	4.060	0.465
0.960	6.343	5.075	0.188
0.970	6.548	6.090	0.056
0.980	6.828	7.105	0.013
0.990	7.285	7.714	0.005

STATION 262631 ELY,NV
ANNUAL 1939-1976 NORMAL = 8.70

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.490	0.870	1.000
0.400	7.810	2.175	1.000
0.600	9.084	4.350	0.977
0.800	10.727	6.525	0.795
0.900	12.075	7.830	0.597
0.950	13.267	8.700	0.458
0.960	13.628	10.875	0.186
0.970	14.081	13.050	0.057
0.980	14.697	15.225	0.014
0.990	15.703	16.530	0.006

PRECIPITATION PROBABILITIES

STATION 264436 LAS VEGAS,NV
APRIL-SEPTEMBER 1937-1976 NORMAL = 1.66

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.600	0.166	0.966
0.400	1.094	0.415	0.876
0.600	1.704	0.830	0.704
0.800	2.657	1.245	0.545
0.900	3.556	1.494	0.462
0.950	4.428	1.660	0.412
0.960	4.734	2.075	0.307
0.970	5.058	2.490	0.227
0.980	5.553	2.905	0.166
0.990	6.389	3.154	0.137

STATION 264436 LAS VEGAS,NV
OCTOBER-MARCH 1937-1975 NORMAL = 2.10

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.928	0.210	0.965
0.400	1.552	0.525	0.912
0.600	2.256	1.050	0.762
0.800	3.294	1.575	0.594
0.900	4.238	1.890	0.499
0.950	5.133	2.100	0.441
0.960	5.460	2.625	0.317
0.970	5.771	3.150	0.222
0.980	6.269	3.675	0.153
0.990	7.103	3.990	0.121

STATION 264436 LAS VEGAS,NV
ANNUAL 1937-1976 NORMAL = 3.76

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.123	0.376	0.998
0.400	3.092	0.940	0.972
0.600	4.139	1.880	0.846
0.800	5.621	2.820	0.657
0.900	6.930	3.384	0.541
0.950	8.145	3.760	0.468
0.960	8.522	4.700	0.312
0.970	9.001	5.640	0.198
0.980	9.663	6.580	0.121
0.990	10.766	7.144	0.089

STATION 266779 RENO,NV
APRIL-SEPTEMBER 1937-1976 NORMAL = 2.24

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.153	0.224	0.997
0.400	1.708	0.560	0.961
0.600	2.313	1.120	0.811
0.800	3.178	1.680	0.610
0.900	3.945	2.016	0.493
0.950	4.661	2.240	0.422
0.960	4.883	2.800	0.274
0.970	5.166	3.360	0.171
0.980	5.557	3.920	0.102
0.990	6.210	4.256	0.074

STATION 266779 RENO,NV
OCTOBER-MARCH 1937-1975 NORMAL = 4.96

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.138	0.496	0.975
0.400	4.240	1.240	0.969
0.600	5.339	2.480	0.891
0.800	6.815	3.720	0.698
0.900	8.069	4.464	0.557
0.950	9.207	4.960	0.466
0.960	9.556	6.200	0.272
0.970	9.997	7.440	0.143
0.980	10.602	8.680	0.069
0.990	11.600	9.424	0.044

STATION 266779 RENO,NV
ANNUAL 1937-1976 NORMAL - 7.20

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.193	0.720	1.000
0.400	6.464	1.800	0.999
0.600	7.714	3.600	0.959
0.800	9.354	5.400	0.770
0.900	10.720	6.480	0.597
0.950	11.940	7.200	0.479
0.960	12.312	9.000	0.236
0.970	12.778	10.800	0.096
0.980	13.416	12.600	0.034
0.990	14.461	13.680	0.017

PRECIPITATION PROBABILITIES

STATION 269171 WINNEMUCCA,NV
APRIL-SEPTEMBER 1937-1976 NORMAL = 3.42

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.018	0.342	1.000
0.400	2.771	0.855	0.986
0.600	3.556	1.710	0.870
0.800	4.638	2.565	0.656
0.900	5.574	3.078	0.518
0.950	6.431	3.420	0.432
0.960	6.695	4.275	0.256
0.970	7.030	5.130	0.140
0.980	7.490	5.985	0.072
0.990	8.253	6.498	0.047

STATION 269171 WINNEMUCCA,NV
OCTOBER-MARCH 1937-1975 NORMAL = 5.05

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.591	0.505	0.975
0.400	4.484	1.263	0.975
0.600	5.336	2.525	0.942
0.800	6.436	3.788	0.760
0.900	7.345	4.545	0.585
0.950	8.152	5.050	0.465
0.960	8.398	6.313	0.218
0.970	8.705	7.575	0.083
0.980	9.126	8.838	0.026
0.990	9.813	9.595	0.013

STATION 269171 WINNEMUCCA,NV
ANNUAL 1937-1976 NORMAL = 8.47

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.422	0.847	1.000
0.400	7.691	2.118	1.000
0.600	8.911	4.235	0.981
0.800	10.481	6.353	0.809
0.900	11.767	7.623	0.611
0.950	12.903	8.470	0.470
0.960	13.246	10.588	0.190
0.970	13.677	12.705	0.057
0.980	14.263	14.823	0.013
0.990	15.218	16.093	0.005

STATION 290234 ALBUQUERQUE,NM
APRIL-SEPTEMBER 1937-1976 NORMAL = 5.01

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.834	0.501	1.000
0.400	4.669	1.253	1.000
0.600	5.480	2.505	0.977
0.800	6.532	3.758	0.816
0.900	7.400	4.509	0.641
0.950	8.170	5.010	0.513
0.960	8.404	6.263	0.243
0.970	8.697	7.515	0.091
0.980	9.097	8.768	0.028
0.990	9.750	9.519	0.013

STATION 290234 ALBUQUERQUE,NM
OCTOBER-MARCH 1937-1975 NORMAL = 2.76

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.630	0.276	0.975
0.400	2.311	0.690	0.962
0.600	3.009	1.380	0.861
0.800	3.966	2.070	0.673
0.900	4.794	2.484	0.548
0.950	5.553	2.760	0.467
0.960	5.788	3.450	0.296
0.970	6.084	4.140	0.174
0.980	6.492	4.830	0.097
0.990	7.169	5.244	0.067

STATION 290234 ALBUQUERQUE,NM
ANNUAL 1937-1976 NORMAL = 7.77

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.036	0.777	1.000
0.400	7.285	1.943	1.000
0.600	8.490	3.885	0.982
0.800	10.047	5.828	0.828
0.900	11.327	6.993	0.650
0.950	12.459	7.770	0.517
0.960	12.803	9.713	0.236
0.970	13.233	11.655	0.082
0.980	13.819	13.598	0.023
0.990	14.775	14.763	0.010

PRECIPITATION PROBABILITIES

STATION 300042 ALBANY,NY
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.07

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.375	1.807	1.000
0.400	17.816	4.518	1.000
0.600	20.116	9.035	0.997
0.800	23.024	13.553	0.907
0.900	25.370	16.263	0.733
0.950	27.422	18.070	0.577
0.960	28.039	22.588	0.225
0.970	28.810	27.105	0.056
0.980	29.855	31.623	0.010
0.990	31.552	34.333	0.003

STATION 300042 ALBANY,NY
ANNUAL 1937-1976 NORMAL = 33.36

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.880	3.336	1.000
0.400	33.171	8.340	1.000
0.600	36.193	16.680	1.000
0.800	39.924	25.020	0.964
0.900	42.875	30.024	0.792
0.950	45.417	33.360	0.587
0.960	46.175	41.700	0.134
0.970	47.119	50.040	0.012
0.980	48.393	58.380	0.000
0.990	50.446	63.384	0.000

STATION 301012 BUFFALO,NY
APRIL-SEPTEMBER 1937-1976 NORMAL 18.06

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.369	1.806	1.000
0.400	17.082	4.515	1.000
0.600	18.656	9.030	1.000
0.800	20.601	13.545	0.936
0.900	22.139	16.254	0.703
0.950	23.465	18.060	0.474
0.960	23.861	22.575	0.080
0.970	24.353	27.090	0.005
0.980	25.018	31.605	0.000
0.990	26.090	34.314	0.000

STATION 301012 BUFFALO,NY
ANNUAL 1937-1976 NORMAL 36.11

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	31.751	3.611	1.000
0.400	34.489	9.028	1.000
0.600	36.969	18.055	1.000
0.800	39.995	27.083	0.973
0.900	42.361	32.499	0.751
0.950	44.383	36.110	0.468
0.960	44.984	45.138	0.038
0.970	45.730	54.165	0.001
0.980	46.734	63.193	0.000
0.990	48.345	68.609	0.000

STATION 305801 NEW YORK,NY
APRIL-SEPTEMBER 1937-1976 NORMAL 20.69

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.637	2.069	1.000
0.400	20.691	5.173	1.000
0.600	23.590	10.345	0.995
0.800	27.281	15.518	0.902
0.900	30.275	18.621	0.741
0.950	32.903	20.690	0.600
0.960	33.696	25.863	0.267
0.970	34.686	31.035	0.082
0.980	36.032	36.208	0.019
0.990	38.221	39.311	0.007

STATION 305801 NEW YORK,NY
ANNUAL 1937-1976 NORMAL = 40.19

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	36.417	4.019	1.000
0.400	40.650	10.048	1.000
0.600	44.551	20.095	1.000
0.800	49.383	30.143	0.965
0.900	53.214	36.171	0.810
0.950	56.520	40.190	0.624
0.960	57.508	50.238	0.173
0.970	58.738	60.285	0.021
0.980	60.399	70.333	0.001
0.990	63.077	76.361	0.000

PRECIPITATION PROBABILITIES

STATION 317069 RALEIGH,NC
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.85

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.280	2.385	1.000
0.400	22.798	5.963	1.000
0.600	25.128	11.925	0.999
0.800	28.025	17.888	0.926
0.900	30.330	21.465	0.712
0.950	32.324	23.850	0.508
0.960	32.921	29.813	0.118
0.970	33.664	35.775	0.013
0.980	34.669	41.738	0.001
0.990	36.291	45.315	0.000

STATION 317069 RALEIGH,NC
OCTOBER-MARCH 1937-1975 NORMAL 18.69

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.343	1.869	0.975
0.400	17.517	4.673	0.975
0.600	19.480	9.345	0.974
0.800	21.905	14.018	0.885
0.900	23.832	16.821	0.670
0.950	25.500	18.690	0.479
0.960	25.999	23.363	0.120
0.970	26.621	28.035	0.015
0.980	27.463	32.708	0.001
0.990	28.823	35.511	0.000

STATION 317069 RALEIGH,NC
ANNUAL 1937-1976 NORMAL = 42.54

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	38.202	4.254	1.000
0.400	41.465	10.635	1.000
0.600	44.420	21.270	1.000
0.800	48.024	31.905	0.981
0.900	50.842	38.286	0.796
0.950	53.249	42.540	0.526
0.960	53.964	53.175	0.051
0.970	54.851	63.810	0.001
0.980	56.046	74.445	0.000
0.990	57.963	80.826	0.000

STATION 320819 BISMARCK,ND
APRIL-SEPTEMBER 1937-1976 NORMAL = 12.67

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.629	1.267	1.000
0.400	11.214	3.168	1.000
0.600	12.712	6.335	0.990
0.800	14.611	9.503	0.814
0.900	16.147	11.403	0.574
0.950	17.492	12.670	0.405
0.960	17.897	15.838	0.116
0.970	18.403	19.005	0.021
0.980	19.090	22.173	0.003
0.990	20.205	24.073	0.001

STATION 320819 BISMARCK,ND
ANNUAL 1937-1976 NORMAL = 16.16

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.095	1.616	1.000
0.400	14.754	4.040	1.000
0.600	16.292	8.080	0.999
0.800	18.207	12.120	0.887
0.900	19.732	14.544	0.628
0.950	21.052	16.160	0.416
0.960	21.447	20.200	0.079
0.970	21.940	24.240	0.007
0.980	22.605	28.280	0.000
0.990	23.681	30.704	0.000

STATION 322859 FARGO,ND
APRIL-SEPTEMBER 1937-1976 NORMAL = 15.42

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.551	1.542	1.000
0.400	13.677	3.855	1.000
0.600	15.705	7.710	0.983
0.800	18.301	11.565	0.799
0.900	20.415	13.878	0.580
0.950	22.276	15.420	0.427
0.960	22.838	19.275	0.147
0.970	23.541	23.130	0.036
0.980	24.497	26.985	0.006
0.990	26.054	29.298	0.002

PRECIPITATION PROBABILITIES

STATION 322859 FARGO,ND
ANNUAL 1937-1976 NORMAL = 19.62

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.679	1.962	1.000
0.400	17.993	4.905	1.000
0.600	20.162	9.810	0.996
0.800	22.889	14.715	0.865
0.900	25.080	17.658	0.631
0.950	26.989	19.620	0.448
0.960	27.562	24.525	0.120
0.970	28.277	29.430	0.018
0.980	29.247	34.335	0.002
0.990	30.818	37.278	0.000

STATION 329425 WILLISTON,ND
APRIL-SEPTEMBER 1937-1976 NORMAL = 10.92

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	8.109	1.092	1.000
0.400	9.712	2.730	1.000
0.600	11.254	5.460	0.978
0.800	13.238	8.190	0.791
0.900	14.862	9.828	0.585
0.950	16.297	10.920	0.441
0.960	16.732	13.650	0.169
0.970	17.275	16.380	0.048
0.980	18.018	19.110	0.011
0.990	19.223	20.748	0.004

STATION 329425 WILLISTON,ND
ANNUAL 1937-1976 NORMAL = 14.33

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.573	1.433	1.000
0.400	13.279	3.583	1.000
0.600	14.877	7.165	0.997
0.800	16.887	10.748	0.874
0.900	18.501	12.897	0.648
0.950	19.907	14.330	0.466
0.960	20.330	17.913	0.130
0.970	20.857	21.495	0.021
0.980	21.571	25.078	0.002
0.990	22.728	27.227	0.000

STATION 331786 COLUMBUS,OH
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.42

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.702	2.142	1.000
0.400	20.108	5.355	1.000
0.600	22.348	10.710	0.998
0.800	25.149	16.065	0.899
0.900	27.389	19.278	0.674
0.950	29.333	21.420	0.481
0.960	29.916	26.775	0.122
0.970	30.643	32.130	0.016
0.980	31.627	37.485	0.001
0.990	33.218	40.698	0.000

STATION 331786 COLUMBUS,OH
ANNUAL 1937-1976 NORMAL = 37.01

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	32.557	3.701	1.000
0.400	35.542	9.253	1.000
0.600	38.255	18.505	1.000
0.800	41.574	27.758	0.969
0.900	44.177	33.309	0.755
0.950	46.405	37.010	0.490
0.960	47.068	46.263	0.052
0.970	47.891	55.515	0.001
0.980	48.999	64.768	0.000
0.990	50.780	70.319	0.000

STATION 346661 OKLAHOMA CITY,OK
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.66

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.879	2.166	1.000
0.400	19.782	5.415	1.000
0.600	22.538	10.830	0.990
0.800	26.043	16.245	0.836
0.900	28.885	19.494	0.621
0.950	31.380	21.660	0.461
0.960	32.131	27.075	0.157
0.970	33.072	32.490	0.036
0.980	34.348	37.905	0.006
0.990	36.424	41.154	0.002

PRECIPITATION PROBABILITIES

STATION 346661 OKLAHOMA CITY,OK
OCTOBER-MARCH 1937-1975 NORMAL = 9.71

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	7.243	0.971	0.975
0.400	9.042	2.428	0.975
0.600	10.755	4.855	0.949
0.800	12.970	7.283	0.796
0.900	14.798	8.739	0.636
0.950	16.423	9.710	0.520
0.960	16.916	12.138	0.265
0.970	17.535	14.565	0.110
0.980	18.380	16.993	0.039
0.990	19.763	18.449	0.019

STATION 346661 OKLAHOMA CITY,OK
ANNUAL 1937-1976 NORMAL = 31.37

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	25.843	3.137	1.000
0.400	29.580	7.843	1.000
0.600	33.076	15.685	0.998
0.800	37.467	23.528	0.892
0.900	40.990	28.233	0.677
0.950	44.057	31.370	0.496
0.960	44.977	39.213	0.144
0.970	46.126	47.055	0.024
0.980	47.682	54.898	0.002
0.990	50.203	59.603	0.001

STATION 351176 BURNS,OR
APRIL-SEPTEMBER 1937-1976 NORMAL = 3.92

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.273	0.392	1.000
0.400	3.025	0.980	0.990
0.600	3.795	1.960	0.870
0.800	4.841	2.940	0.623
0.900	5.735	3.528	0.466
0.950	6.547	3.920	0.371
0.960	6.797	4.900	0.192
0.970	7.112	5.880	0.089
0.980	7.545	6.860	0.038
0.990	8.261	7.448	0.022

STATION 351176 BURNS,OR
OCTOBER-MARCH 1937-1975 NORMAL = 7.91

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.993	0.791	0.975
0.400	7.177	1.978	0.975
0.600	8.277	3.955	0.962
0.800	9.671	5.933	0.808
0.900	10.801	7.119	0.611
0.950	11.794	7.910	0.465
0.960	12.094	9.888	0.177
0.970	12.469	11.865	0.047
0.980	12.978	13.843	0.010
0.990	13.808	15.029	0.003

STATION 351176 BURNS,OR
ANNUAL 1937-1976 NORMAL = 11.83

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.130	1.183	1.000
0.400	10.597	2.958	1.000
0.600	11.982	5.915	0.992
0.800	13.734	8.873	0.829
0.900	15.149	10.647	0.593
0.950	16.387	11.830	0.421
0.960	16.759	14.788	0.121
0.970	17.224	17.745	0.021
0.980	17.856	20.703	0.003
0.990	18.880	22.477	0.001

STATION 356546 PENDLETON,OR
APRIL-SEPTEMBER 1937-1976 NORMAL = 4.50

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.023	0.450	1.000
0.400	3.783	1.125	0.999
0.600	4.533	2.250	0.940
0.800	5.521	3.375	0.712
0.900	6.345	4.050	0.526
0.950	7.081	4.500	0.408
0.960	7.306	5.625	0.184
0.970	7.588	6.750	0.069
0.980	7.974	7.875	0.022
0.990	8.607	8.550	0.011

PRECIPITATION PROBABILITIES

STATION 356546 PENDLETON,OR
ANNUAL 1937-1976 NORMAL = 12.31

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	10.255	1.231	1.000
0.400	11.546	3.078	1.000
0.600	12.742	6.155	0.999
0.800	14.230	9.233	0.911
0.900	15.415	11.079	0.677
0.950	16.441	12.310	0.470
0.960	16.748	15.388	0.102
0.970	17.131	18.465	0.010
0.980	17.648	21.543	0.001
0.990	18.483	23.389	0.000

STATION 356751 PORTLAND,OR
APRIL-SEPTEMBER 1941-1976 NORMAL = 8.79

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.488	0.879	0.972
0.400	7.773	2.198	0.972
0.600	8.962	4.395	0.957
0.800	10.465	6.593	0.786
0.900	11.683	7.911	0.576
0.950	12.753	8.790	0.428
0.960	13.076	10.988	0.151
0.970	13.480	13.185	0.037
0.980	14.028	15.383	0.007
0.990	14.921	16.701	0.002

STATION 356751 PORTLAND,OR
OCTOBER-MARCH 1941-1975 NORMAL = 28.82

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	24.093	2.882	0.972
0.400	27.353	7.205	0.972
0.600	30.276	14.410	0.972
0.800	33.869	21.615	0.900
0.900	36.714	25.938	0.694
0.950	39.171	28.820	0.498
0.960	39.905	36.025	0.120
0.970	40.820	43.230	0.013
0.980	42.057	50.435	0.001
0.990	44.053	54.758	0.000

STATION 356751 PORTLAND,OR
ANNUAL 1941-1976 NORMAL = 37.61

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	31.513	3.761	0.972
0.400	35.215	9.403	0.972
0.600	38.504	18.805	0.972
0.800	42.512	28.208	0.911
0.900	45.663	33.849	0.681
0.950	48.371	37.810	0.453
0.960	49.178	47.013	0.072
0.970	50.181	56.415	0.004
0.980	51.535	65.818	0.000
0.990	53.715	71.459	0.000

STATION 366889 PHILADELPHIA,PA
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.57

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.436	2.157	1.000
0.400	20.936	5.393	1.000
0.600	23.263	10.785	0.999
0.800	26.173	16.178	0.922
0.900	28.499	19.413	0.728
0.950	30.519	21.570	0.544
0.960	31.124	26.963	0.160
0.970	31.878	32.355	0.025
0.980	32.900	37.748	0.002
0.990	34.553	40.983	0.000

STATION 366889 PHILADELPHIA,PA
ANNUAL 1937-1976 NORMAL = 39.93

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	36.161	3.993	1.000
0.400	39.385	9.983	1.000
0.600	42.312	19.965	1.000
0.800	45.888	29.948	0.981
0.900	48.689	35.937	0.812
0.950	51.084	39.930	0.562
0.960	51.797	49.913	0.071
0.970	52.681	59.895	0.002
0.980	53.872	69.878	0.000
0.990	55.784	75.867	0.000

PRECIPITATION PROBABILITIES

STATION 366993 PITTSBURGH,PA
APRIL-SEPTEMBER 1937-1976 NORMAL = 20.02

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.375	2.002	1.000
0.400	19.243	5.005	1.000
0.600	20.957	10.010	1.000
0.800	23.070	15.015	0.950
0.900	24.739	18.018	0.737
0.950	26.175	20.020	0.508
0.960	26.604	25.025	0.088
0.970	27.137	30.030	0.005
0.980	27.856	35.035	0.000
0.990	29.015	38.038	0.000

STATION 366993 PITTSBURGH,PA
ANNUAL 1937-1976 NORMAL = 36.23

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	32.203	3.623	1.000
0.400	35.107	9.058	1.000
0.600	37.744	18.115	1.000
0.800	40.967	27.173	0.975
0.900	43.493	32.607	0.776
0.950	45.654	36.230	0.514
0.960	46.297	45.288	0.057
0.970	47.095	54.345	0.001
0.980	48.170	63.403	0.000
0.990	49.896	68.837	0.000

STATION 381544 CHARLESTON,SC
APRIL-SEPTEMBER 1937-1976 NORMAL = 19.24

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	26.279	1.924	1.000
0.400	30.451	4.810	1.000
0.600	34.382	9.620	1.000
0.800	39.353	14.430	0.999
0.900	43.363	17.316	0.991
0.950	46.869	19.240	0.977
0.960	47.924	24.050	0.881
0.970	49.242	28.860	0.681
0.980	51.029	33.670	0.435
0.990	53.929	36.556	0.303

STATION 381544 CHARLESTON,SC
OCTOBER-MARCH 1937-1975 NORMAL = 32.88

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.473	3.288	0.975
0.400	16.607	8.220	0.963
0.600	19.570	16.440	0.612
0.800	23.377	24.660	0.152
0.900	26.502	29.592	0.046
0.950	29.271	32.880	0.018
0.960	30.110	41.100	0.001
0.970	31.162	49.320	0.000
0.980	32.596	57.540	0.000
0.990	34.939	62.472	0.000

STATION 381544 CHARLESTON,SC
ANNUAL 1937-1976 NORMAL = 52.12

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	42.968	5.212	1.000
0.400	48.646	13.030	1.000
0.600	53.923	26.060	0.999
0.800	60.511	39.090	0.899
0.900	65.769	46.908	0.656
0.950	70.330	52.120	0.466
0.960	71.696	65.150	0.109
0.970	73.400	78.180	0.013
0.980	75.704	91.210	0.001
0.990	79.430	99.028	0.000

STATION 381939 COLUMBIA,SC
APRIL-SEPTEMBER 1937-1976 NORMAL = 26.28

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.422	2.628	1.000
0.400	24.879	6.570	1.000
0.600	28.142	13.140	0.995
0.800	32.272	19.710	0.876
0.900	35.608	23.652	0.676
0.950	38.527	26.280	0.512
0.960	39.405	32.850	0.179
0.970	40.503	39.420	0.040
0.980	41.992	45.990	0.006
0.990	44.410	49.932	0.002

PRECIPITATION PROBABILITIES

STATION 381939 COLUMBIA,SC
OCTOBER-MARCH 1937-1975 NORMAL = 20.08

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.168	2.008	0.975
0.400	17.583	5.020	0.975
0.600	20.823	10.040	0.942
0.800	25.001	15.060	0.753
0.900	28.439	18.072	0.569
0.950	31.491	20.080	0.444
0.960	32.417	25.100	0.196
0.970	33.579	30.120	0.069
0.980	35.163	35.140	0.020
0.990	37.753	38.152	0.009

STATION 381939 COLUMBIA,SC
ANNUAL 1937-1976 NORMAL = 46.36

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	38.370	4.636	1.000
0.400	43.942	11.590	1.000
0.600	49.157	23.180	0.998
0.800	55.708	34.770	0.895
0.900	60.966	41.724	0.685
0.950	65.544	46.360	0.505
0.960	66.918	57.950	0.151
0.970	68.633	69.540	0.026
0.980	70.956	81.130	0.003
0.990	74.720	88.084	0.001

STATION 394127 HURON,SD
APRIL-SEPTEMBER 1937-1976 NORMAL = 14.46

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	10.373	1.446	1.000
0.400	12.423	3.615	1.000
0.600	14.394	7.230	0.973
0.800	16.929	10.845	0.758
0.900	19.006	13.014	0.538
0.950	20.840	14.460	0.394
0.960	21.395	18.075	0.138
0.970	22.090	21.690	0.035
0.980	23.036	25.305	0.007
0.990	24.580	27.474	0.002

STATION 394127 HURON,SD
ANNUAL 1937-1976 NORMAL = 19.44

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.673	1.944	1.000
0.400	17.196	4.860	1.000
0.600	19.590	9.720	0.987
0.800	22.636	14.580	0.806
0.900	25.107	17.496	0.574
0.950	27.274	19.440	0.412
0.960	27.928	24.300	0.127
0.970	28.745	29.160	0.026
0.980	29.854	34.020	0.004
0.990	31.658	36.936	0.001

STATION 396937 RAPID CITY,SD
APRIL-SEPTEMBER 1937-1976 NORMAL = 13.36

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	9.813	1.336	1.000
0.400	11.580	3.340	1.000
0.600	13.264	6.680	0.982
0.800	15.414	10.020	0.779
0.900	17.163	12.024	0.546
0.950	18.701	13.360	0.389
0.960	19.165	16.700	0.121
0.970	19.746	20.040	0.026
0.980	20.535	23.380	0.004
0.990	21.819	25.384	0.001

STATION 396937 RAPID CITY,SD
ANNUAL 1937-1976 NORMAL = 17.12

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.202	1.712	1.000
0.400	15.237	4.280	1.000
0.600	17.151	8.560	0.993
0.800	19.565	12.840	0.830
0.900	21.509	15.408	0.582
0.950	23.207	17.120	0.403
0.960	23.717	21.400	0.104
0.970	24.355	25.680	0.016
0.980	25.219	29.960	0.002
0.990	26.620	32.528	0.000

PRECIPITATION PROBABILITIES

STATION 404950 KNOXVILLE,TN
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.24

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.397	2.124	1.000
0.400	20.635	5.310	1.000
0.600	22.702	10.620	1.000
0.800	25.270	15.930	0.939
0.900	27.310	19.116	0.741
0.950	29.074	21.240	0.540
0.960	29.601	26.550	0.131
0.970	30.258	31.860	0.014
0.980	31.146	37.170	0.001
0.990	32.579	40.356	0.000

STATION 404950 KNOXVILLE,TN
OCTOBER-MARCH 1937-1975 NORMAL 24.94

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.444	2.494	0.975
0.400	23.348	6.235	0.975
0.600	25.971	12.470	0.974
0.800	29.211	18.705	0.884
0.900	31.786	22.446	0.668
0.950	34.016	24.940	0.477
0.960	34.683	31.175	0.119
0.970	35.515	37.410	0.015
0.980	36.640	43.645	0.001
0.990	38.458	47.386	0.000

STATION 404950 KNOXVILLE,TN
ANNUAL 1937-1976 NORMAL 46.18

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	41.449	4.618	1.000
0.400	45.198	11.545	1.000
0.600	48.604	23.090	1.000
0.800	52.768	34.635	0.978
0.900	56.030	41.562	0.795
0.950	58.823	46.180	0.542
0.960	59.653	57.725	0.066
0.970	60.684	69.270	0.002
0.980	62.073	80.815	0.000
0.990	64.303	87.742	0.000

STATION 405954 MEMPHIS,TN
APRIL-SEPTEMBER 1937-1976 NORMAL = 23.14

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.384	2.314	1.000
0.400	21.484	5.785	1.000
0.600	24.420	11.570	0.992
0.800	28.149	17.355	0.854
0.900	31.169	20.826	0.645
0.950	33.817	23.140	0.485
0.960	34.614	28.925	0.169
0.970	35.611	34.710	0.039
0.980	36.965	40.495	0.006
0.990	39.166	43.966	0.002

STATION 405954 MEMPHIS,TN
OCTOBER-MARCH 1937-1975 NORMAL = 25.96

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	19.823	2.596	0.975
0.400	23.648	6.490	0.975
0.600	27.193	12.980	0.964
0.800	31.673	19.470	0.815
0.900	35.301	23.364	0.616
0.950	38.486	25.960	0.468
0.960	39.446	32.450	0.174
0.970	40.647	38.940	0.045
0.980	42.278	45.430	0.009
0.990	44.933	49.324	0.003

STATION 405954 MEMPHIS,TN
ANNUAL 1937-1976 NORMAL 49.10

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	41.529	4.910	1.000
0.400	46.746	12.275	1.000
0.600	51.578	24.550	0.999
0.800	57.590	36.825	0.922
0.900	62.376	44.190	0.704
0.950	66.519	49.100	0.501
0.960	67.758	61.375	0.117
0.970	69.303	73.650	0.013
0.980	71.391	85.925	0.001
0.990	74.764	93.290	0.000

PRECIPITATION PROBABILITIES

STATION 410016 ABILENE,TX
APRIL-SEPTEMBER 1937-1976 NORMAL - 15.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	10.782	1.580	1.000
0.400	13.719	3.950	0.998
0.600	16.646	7.900	0.938
0.800	20.532	11.850	0.731
0.900	23.795	14.220	0.564
0.950	26.728	15.800	0.455
0.960	27.624	19.750	0.233
0.970	28.751	23.700	0.102
0.980	30.294	27.650	0.040
0.990	32.830	30.020	0.022

STATION 410016 ABILENE,TX
OCTOBER-MARCH 1937-1975 NORMAL - 7.79

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	4.626	0.779	0.975
0.400	6.374	1.948	0.966
0.600	8.136	3.895	0.868
0.800	10.525	5.843	0.663
0.900	12.569	7.011	0.524
0.950	14.432	7.790	0.437
0.960	15.005	9.738	0.255
0.970	15.728	11.685	0.136
0.980	16.723	13.633	0.068
0.990	18.368	14.801	0.043

STATION 410016 ABILENE,TX
ANNUAL 1937-1976 NORMAL 23.59

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.717	2.359	1.000
0.400	21.361	5.898	1.000
0.600	24.877	11.795	0.978
0.800	29.419	17.693	0.801
0.900	33.149	21.231	0.608
0.950	36.450	23.590	0.471
0.960	37.450	29.488	0.198
0.970	38.703	35.385	0.063
0.980	40.410	41.283	0.016
0.990	43.197	44.821	0.007

STATION 410211 AMARILLO,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 15.32

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	10.681	1.532	1.000
0.400	13.201	3.830	0.999
0.600	15.669	7.660	0.955
0.800	18.898	11.490	0.740
0.900	21.577	13.788	0.551
0.950	23.966	15.320	0.427
0.960	24.692	19.150	0.188
0.970	25.604	22.980	0.067
0.980	26.850	26.810	0.020
0.990	28.889	29.108	0.009

STATION 410211 AMARILLO,TX
OCTOBER-MARCH 1937-1975 NORMAL - 4.96

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.614	0.496	0.974
0.400	3.844	1.240	0.950
0.600	5.133	2.480	0.820
0.800	6.930	3.720	0.621
0.900	8.503	4.464	0.499
0.950	9.957	4.960	0.424
0.960	10.407	6.200	0.269
0.970	10.978	7.440	0.161
0.980	11.766	8.680	0.092
0.990	13.077	9.424	0.065

STATION 410211 AMARILLO,TX
ANNUAL 1937-1976 NORMAL = 20.28

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.961	2.028	1.000
0.400	17.948	5.070	1.000
0.600	20.821	10.140	0.977
0.800	24.522	15.210	0.785
0.900	27.555	18.252	0.578
0.950	30.236	20.280	0.436
0.960	31.047	25.350	0.167
0.970	32.063	30.420	0.048
0.980	33.447	35.490	0.011
0.990	35.703	38.532	0.004

PRECIPITATION PROBABILITIES

STATION 411136 BROWNSVILLE,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 15.67

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.533	1.567	1.000
0.400	14.376	3.918	0.999
0.600	17.176	7.835	0.963
0.800	20.854	11.753	0.786
0.900	23.917	14.103	0.620
0.950	26.655	15.670	0.505
0.960	27.488	19.588	0.259
0.970	28.536	23.505	0.110
0.980	29.967	27.423	0.041
0.990	32.313	29.773	0.021

STATION 411136 BROWNSVILLE,TX
OCTOBER-MARCH 1937-1975 NORMAL = 9.42

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.249	0.942	0.974
0.400	7.500	2.355	0.958
0.600	9.820	4.710	0.841
0.800	13.015	7.065	0.640
0.900	15.785	8.478	0.512
0.950	18.330	9.420	0.432
0.960	19.116	11.775	0.266
0.970	20.110	14.130	0.153
0.980	21.481	16.485	0.083
0.990	23.756	17.898	0.056

STATION 411136 BROWNSVILLE,TX
ANNUAL 1937-1976 NORMAL = 25.09

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	19.824	2.509	1.000
0.400	23.626	6.273	1.000
0.600	27.270	12.545	0.987
0.800	31.948	18.818	0.844
0.900	35.770	22.581	0.658
0.950	39.141	25.090	0.518
0.960	40.160	31.363	0.220
0.970	41.436	37.635	0.069
0.980	43.172	43.908	0.017
0.990	46.001	47.671	0.007

STATION 412242 DALLAS-FT. WORTH,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 19.07

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.413	1.907	1.000
0.400	16.723	4.768	0.999
0.600	19.984	9.535	0.953
0.800	24.268	14.303	0.750
0.900	27.836	17.163	0.572
0.950	31.025	19.070	0.453
0.960	31.996	23.838	0.216
0.970	33.217	28.605	0.085
0.980	34.884	33.373	0.029
0.990	37.618	36.233	0.014

STATION 412242 DALLAS-FT. WORTH,TX
OCTOBER-MARCH 1937-1975 NORMAL = 13.23

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	8.365	1.323	0.975
0.400	11.161	3.308	0.970
0.600	13.929	6.615	0.894
0.800	17.624	9.923	0.693
0.900	20.750	11.907	0.544
0.950	23.577	13.230	0.448
0.960	24.444	16.538	0.249
0.970	25.536	19.845	0.123
0.980	27.033	23.153	0.056
0.990	29.503	25.137	0.033

STATION 412242 DALLAS-FT. WORTH,TX
ANNUAL 1937-1976 NORMAL = 32.30

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	25.201	3.230	1.000
0.400	29.648	8.075	1.000
0.600	33.877	16.150	0.989
0.800	39.269	24.225	0.836
0.900	43.650	29.070	0.628
0.950	47.497	32.300	0.472
0.960	48.658	40.375	0.170
0.970	50.110	48.450	0.042
0.980	52.082	56.525	0.008
0.990	55.291	61.370	0.002

PRECIPITATION PROBABILITIES

STATION 412360 DEL RIO,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 11.30

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.881	1.130	0.999
0.400	9.559	2.825	0.985
0.600	12.370	5.650	0.878
0.800	16.264	8.475	0.683
0.900	19.645	10.170	0.554
0.950	22.752	11.300	0.472
0.960	23.712	14.125	0.297
0.970	24.927	16.950	0.175
0.980	26.601	19.775	0.097
0.990	29.377	21.470	0.067

STATION 412360 DEL RIO,TX
OCTOBER-MARCH 1937-1975 NORMAL = 5.58

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.926	0.558	0.972
0.400	4.478	1.395	0.943
0.600	6.141	2.790	0.816
0.800	8.502	4.185	0.638
0.900	10.594	5.022	0.530
0.950	12.544	5.580	0.463
0.960	13.150	6.975	0.317
0.970	13.920	8.370	0.209
0.980	14.986	9.765	0.133
0.990	16.764	10.602	0.100

STATION 412360 DEL RIO,TX
ANNUAL 1937-1976 NORMAL = 16.88

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	11.892	1.688	1.000
0.400	15.320	4.220	0.998
0.600	18.761	8.440	0.942
0.800	23.358	12.660	0.758
0.900	27.238	15.192	0.608
0.950	30.737	16.880	0.506
0.960	31.807	21.100	0.287
0.970	33.155	25.320	0.142
0.980	35.003	29.540	0.064
0.990	38.043	32.072	0.038

STATION 412797 EL PASO,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 4.97

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.244	0.497	1.000
0.400	4.239	1.243	0.995
0.600	5.246	2.485	0.916
0.800	6.602	3.728	0.706
0.900	7.752	4.473	0.551
0.950	8.794	4.970	0.452
0.960	9.113	6.213	0.248
0.970	9.515	7.455	0.121
0.980	10.067	8.698	0.053
0.990	10.977	9.443	0.032

STATION 412797 EL PASO,TX
OCTOBER-MARCH 1937-1975 NORMAL = 2.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	1.412	0.280	0.972
0.400	2.129	0.700	0.942
0.600	2.892	1.400	0.803
0.800	3.968	2.100	0.608
0.900	4.917	2.520	0.493
0.950	5.799	2.800	0.422
0.960	6.073	3.500	0.274
0.970	6.421	4.200	0.170
0.980	6.902	4.900	0.101
0.990	7.703	5.320	0.073

STATION 412797 EL PASO,TX
ANNUAL 1937-1976 NORMAL = 7.77

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	5.645	0.777	1.000
0.400	6.952	1.943	1.000
0.600	8.229	3.885	0.965
0.800	9.897	5.828	0.775
0.900	11.279	6.993	0.593
0.950	12.510	7.770	0.469
0.960	12.884	9.713	0.218
0.970	13.354	11.655	0.081
0.980	13.994	13.598	0.026
0.990	15.044	14.763	0.012

PRECIPITATION PROBABILITIES

STATION 414300 HOUSTON,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 26.28

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	18.895	2.628	1.000
0.400	23.237	6.570	1.000
0.600	27.478	13.140	0.963
0.800	33.012	19.710	0.766
0.900	37.595	23.652	0.580
0.950	41.675	26.280	0.454
0.960	42.915	32.850	0.205
0.970	44.471	39.420	0.074
0.980	46.595	45.990	0.022
0.990	50.071	49.932	0.010

STATION 414300 HOUSTON,TX
OCTOBER-MARCH 1937-1975 NORMAL = 21.91

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	15.680	2.191	0.975
0.400	19.112	5.478	0.975
0.600	22.334	10.955	0.950
0.800	26.451	16.433	0.761
0.900	29.815	19.719	0.561
0.950	32.786	21.910	0.425
0.960	33.685	27.388	0.167
0.970	34.811	32.865	0.049
0.980	36.345	38.343	0.012
0.990	38.846	41.629	0.004

STATION 414300 HOUSTON,TX
ANNUAL 1937-1976 NORMAL = 48.18

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	37.398	4.819	1.000
0.400	43.801	12.048	1.000
0.600	49.876	24.095	0.990
0.800	57.603	36.143	0.833
0.900	63.868	43.371	0.614
0.950	69.363	48.190	0.453
0.960	71.020	60.238	0.151
0.970	73.091	72.285	0.034
0.980	75.904	84.333	0.005
0.990	80.476	91.561	0.002

STATION 417174 PORT ARTHUR,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 30.86

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	22.158	3.086	1.000
0.400	27.310	7.715	1.000
0.600	32.349	15.430	0.962
0.800	38.931	23.145	0.765
0.900	44.387	27.774	0.581
0.950	49.248	30.860	0.456
0.960	50.725	38.575	0.209
0.970	52.580	46.290	0.077
0.980	55.112	54.005	0.024
0.990	59.257	58.634	0.011

STATION 417174 PORT ARTHUR,TX
OCTOBER-MARCH 1937-1975 NORMAL = 24.21

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	19.035	2.421	0.975
0.400	21.855	6.053	0.975
0.600	24.410	12.105	0.972
0.800	27.575	18.158	0.848
0.900	30.096	21.789	0.605
0.950	32.283	24.210	0.415
0.960	32.938	30.263	0.095
0.970	33.755	36.315	0.011
0.980	34.860	42.368	0.001
0.990	36.649	45.999	0.000

STATION 417174 PORT ARTHUR,TX
ANNUAL 1937-1976 NORMAL = 55.07

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	43.185	5.507	1.000
0.400	50.275	13.768	1.000
0.600	56.975	27.535	0.992
0.800	65.468	41.303	0.843
0.900	72.336	49.563	0.622
0.950	78.348	55.070	0.455
0.960	80.159	68.838	0.144
0.970	82.421	82.605	0.029
0.980	85.491	96.373	0.004
0.990	90.478	104.633	0.001

PRECIPITATION PROBABILITIES

STATION 417945 SAN ANTONIO,TX
APRIL-SEPTEMBER 1937-1976 NORMAL = 16.21

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	12.072	1.621	1.000
0.400	15.147	4.053	0.999
0.600	18.186	8.105	0.962
0.800	22.194	12.158	0.795
0.900	25.540	14.589	0.638
0.950	28.536	16.210	0.527
0.960	29.450	20.263	0.285
0.970	30.597	24.315	0.130
0.980	32.167	28.368	0.052
0.990	34.742	30.798	0.028

STATION 417945 SAN ANTONIO,TX
OCTOBER-MARCH 1937-1975 NORMAL = 11.33

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.635	1.133	0.975
0.400	9.054	2.833	0.966
0.600	11.480	5.665	0.865
0.800	14.753	8.498	0.648
0.900	17.545	10.197	0.502
0.950	20.084	11.330	0.411
0.960	20.864	14.163	0.229
0.970	21.848	16.995	0.115
0.980	23.201	19.828	0.054
0.990	25.436	21.527	0.033

STATION 417945 SAN ANTONIO,TX
ANNUAL 1937-1976 NORMAL = 27.54

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	20.891	2.754	1.000
0.400	25.464	6.885	1.000
0.600	29.907	13.770	0.975
0.800	35.677	20.655	0.809
0.900	40.438	24.786	0.631
0.950	44.666	27.540	0.504
0.960	45.948	34.425	0.236
0.970	47.558	41.310	0.087
0.980	49.752	48.195	0.027
0.990	53.339	52.326	0.012

STATION 425654 MILFORD,UT
APRIL-SEPTEMBER 1937-1976 NORMAL = 3.87

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	2.726	0.387	1.000
0.400	3.413	0.968	0.999
0.600	4.092	1.935	0.952
0.800	4.986	2.903	0.752
0.900	5.731	3.483	0.579
0.950	6.398	3.870	0.462
0.960	6.601	4.838	0.227
0.970	6.857	5.805	0.093
0.980	7.206	6.773	0.033
0.990	7.779	7.353	0.017

STATION 425654 MILFORD,UT
OCTOBER-MARCH 1937-1975 NORMAL = 4.53

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.096	0.453	0.975
0.400	3.900	1.133	0.974
0.600	4.670	2.265	0.931
0.800	5.671	3.398	0.730
0.900	6.499	4.077	0.553
0.950	7.237	4.530	0.435
0.960	7.461	5.663	0.201
0.970	7.743	6.795	0.076
0.980	8.128	7.928	0.025
0.990	8.758	8.607	0.012

STATION 425654 MILFORD,UT
ANNUAL 1937-1976 NORMAL = 8.40

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.602	0.840	1.000
0.400	7.715	2.100	1.000
0.600	8.768	4.200	0.992
0.800	10.106	6.300	0.845
0.900	11.189	7.560	0.630
0.950	12.139	8.400	0.468
0.960	12.425	10.500	0.157
0.970	12.783	12.600	0.035
0.980	13.269	14.700	0.006
0.990	14.058	15.960	0.002

PRECIPITATION PROBABILITIES

STATION 427598 SALT LAKE CITY,UT
APRIL-SEPTEMBER 1937-1976 NORMAL = 7.22

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	4.936	0.722	1.000
0.400	6.117	1.805	0.999
0.600	7.276	3.610	0.949
0.800	8.794	5.415	0.723
0.900	10.055	6.498	0.532
0.950	11.181	7.220	0.409
0.960	11.523	9.025	0.177
0.970	11.953	10.830	0.062
0.980	12.540	12.635	0.019
0.990	13.502	13.718	0.009

STATION 427598 SALT LAKE CITY,UT
OCTOBER-MARCH 1937-1975 NORMAL 7.95

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.469	0.795	0.975
0.400	7.559	1.988	0.975
0.600	8.558	3.975	0.971
0.800	9.807	5.963	0.869
0.900	10.810	7.155	0.680
0.950	11.684	7.950	0.520
0.960	11.947	9.938	0.184
0.970	12.275	11.925	0.041
0.980	12.720	13.913	0.006
0.990	13.442	15.105	0.002

STATION 427598 SALT LAKE CITY,UT
ANNUAL 1937-1976 NORMAL = 15.17

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	12.497	1.517	1.000
0.400	14.154	3.793	1.000
0.600	15.695	7.585	0.999
0.800	17.619	11.378	0.898
0.900	19.154	13.653	0.665
0.950	20.487	15.170	0.466
0.960	20.886	18.963	0.110
0.970	21.383	22.755	0.013
0.980	22.056	26.548	0.001
0.990	23.145	28.823	0.000

STATION 431081 BURLINGTON,VT
APRIL-SEPTEMBER 1937-1976 NORMAL 19.40

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.066	1.940	1.000
0.400	18.921	4.850	1.000
0.600	20.622	9.700	1.000
0.800	22.722	14.550	0.957
0.900	24.381	17.460	0.762
0.950	25.810	19.400	0.543
0.960	26.236	24.250	0.106
0.970	26.766	29.100	0.007
0.980	27.482	33.950	0.000
0.990	28.634	36.860	0.000

STATION 431081 BURLINGTON,VT
ANNUAL 1937-1976 NORMAL - 32.54

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.698	3.254	1.000
0.400	32.095	8.135	1.000
0.600	34.261	16.270	1.000
0.800	36.896	24.405	0.988
0.900	38.951	29.286	0.828
0.950	40.704	32.540	0.559
0.960	41.224	40.675	0.051
0.970	41.869	48.810	0.001
0.980	42.737	56.945	0.000
0.990	44.130	61.826	0.000

STATION 446139 NORFOLK,VA
APRIL-SEPTEMBER 1937-1976 NORMAL = 25.49

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.614	2.549	1.000
0.400	24.487	6.373	1.000
0.600	27.157	12.745	0.999
0.800	30.493	19.118	0.919
0.900	33.156	22.941	0.714
0.950	35.467	25.490	0.523
0.960	36.159	31.863	0.142
0.970	37.022	38.235	0.020
0.980	38.190	44.608	0.002
0.990	40.078	48.431	0.000

PRECIPITATION PROBABILITIES

STATION 446139 NORFOLK,VA
OCTOBER-MARCH 1937-1975 NORMAL = 19.19

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	16.016	1.919	0.975
0.400	18.049	4.798	0.975
0.600	19.872	9.595	0.975
0.800	22.107	14.393	0.904
0.900	23.872	17.271	0.683
0.950	25.394	19.190	0.473
0.960	25.848	23.988	0.095
0.970	26.414	28.785	0.008
0.980	27.178	33.583	0.000
0.990	28.410	36.461	0.000

STATION 446139 NORFOLK,VA
ANNUAL 1937-1976 NORMAL = 44.68

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	39.325	4.468	1.000
0.400	43.328	11.170	1.000
0.600	46.988	22.340	1.000
0.800	51.489	33.510	0.962
0.900	55.034	40.212	0.760
0.950	58.079	44.680	0.525
0.960	58.987	55.850	0.084
0.970	60.115	67.020	0.004
0.980	61.637	78.190	0.000
0.990	64.085	84.892	0.000

STATION 448906 WASHINGTON,DC
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.89

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.811	2.189	1.000
0.400	20.630	5.473	1.000
0.600	23.285	10.945	0.995
0.800	26.642	16.418	0.876
0.900	29.350	19.701	0.670
0.950	31.717	21.890	0.503
0.960	32.429	27.363	0.168
0.970	33.318	32.835	0.035
0.980	34.525	38.308	0.005
0.990	36.482	41.591	0.001

STATION 448906 WASHINGTON,DC
ANNUAL 1937-1976 NORMAL = 38.89

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	33.650	3.889	1.000
0.400	37.626	9.723	1.000
0.600	41.293	19.445	1.000
0.800	45.841	29.168	0.941
0.900	49.449	35.001	0.738
0.950	52.565	38.890	0.530
0.960	53.496	48.613	0.119
0.970	54.655	58.335	0.011
0.980	56.222	68.058	0.001
0.990	58.749	73.891	0.000

STATION 457458 SEATTLE,WA
APRIL-SEPTEMBER 1937-1976 NORMAL = 9.19

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	6.178	0.919	1.000
0.400	7.432	2.298	1.000
0.600	8.641	4.595	0.957
0.800	10.200	6.893	0.691
0.900	11.479	8.271	0.459
0.950	12.610	9.190	0.320
0.960	12.952	11.488	0.099
0.970	13.382	13.785	0.023
0.980	13.966	16.083	0.004
0.990	14.920	17.461	0.001

STATION 457458 SEATTLE,WA
OCTOBER-MARCH 1937-1975 NORMAL = 26.46

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	21.989	2.646	0.975
0.400	25.119	6.615	0.975
0.600	27.947	13.230	0.974
0.800	31.441	19.845	0.893
0.900	34.218	23.814	0.690
0.950	36.622	26.460	0.504
0.960	37.342	33.075	0.135
0.970	38.239	39.690	0.018
0.980	39.452	46.305	0.001
0.990	41.414	50.274	0.000

PRECIPITATION PROBABILITIES

STATION 457458 SEATTLE,WA
ANNUAL 1937-1976 NORMAL = 35.65

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	29.433	3.565	1.000
0.400	33.009	8.913	1.000
0.600	36.313	17.825	0.999
0.800	40.417	26.738	0.906
0.900	43.677	32.085	0.656
0.950	46.496	35.650	0.439
0.960	47.339	44.563	0.081
0.970	48.389	53.475	0.006
0.980	49.807	62.388	0.000
0.990	52.097	67.735	0.000

STATION 457938 SPOKANE,WA
APRIL-SEPTEMBER 1937-1976 NORMAL = 5.75

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	3.906	0.575	1.000
0.400	4.922	1.438	0.998
0.600	5.929	2.875	0.941
0.800	7.258	4.313	0.724
0.900	8.371	5.175	0.548
0.950	9.368	5.750	0.433
0.960	9.672	7.188	0.208
0.970	10.054	8.625	0.084
0.980	10.577	10.063	0.030
0.990	11.436	10.925	0.015

STATION 457938 SPOKANE,WA
OCTOBER-MARCH 1937-1975 NORMAL = 11.67

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	8.664	1.167	0.975
0.400	10.226	2.918	0.975
0.600	11.664	5.835	0.964
0.800	13.471	8.753	0.790
0.900	14.928	10.503	0.561
0.950	16.203	11.670	0.399
0.960	16.587	14.588	0.119
0.970	17.066	17.505	0.023
0.980	17.717	20.423	0.003
0.990	18.774	22.173	0.001

STATION 457938 SPOKANE,WA
ANNUAL 1937-1976 NORMAL = 17.42

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	13.745	1.742	1.000
0.400	15.653	4.355	1.000
0.600	17.432	8.710	0.997
0.800	19.660	13.065	0.857
0.900	21.443	15.678	0.597
0.950	22.993	17.420	0.401
0.960	23.457	21.775	0.087
0.970	24.037	26.130	0.010
0.980	24.822	30.485	0.001
0.990	26.092	33.098	0.000

STATION 461570 CHARLESTON,WV
APRIL-SEPTEMBER 1937-1976 NORMAL = 21.78

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	17.897	2.178	0.925
0.400	21.049	5.445	0.925
0.600	23.701	10.890	0.924
0.800	26.908	16.335	0.862
0.900	29.437	19.602	0.702
0.950	31.622	21.780	0.545
0.960	32.275	27.225	0.185
0.970	33.090	32.670	0.035
0.980	34.191	38.115	0.004
0.990	35.971	41.382	0.001

STATION 461570 CHARLESTON,WV
ANNUAL 1937-1976 NORMAL = 40.75

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	34.879	4.075	0.925
0.400	39.510	10.188	0.925
0.600	43.322	20.375	0.925
0.800	47.850	30.563	0.894
0.900	51.367	36.675	0.733
0.950	54.373	40.750	0.535
0.960	55.267	50.938	0.110
0.970	56.377	61.125	0.008
0.980	57.874	71.313	0.000
0.990	60.280	77.425	0.000

PRECIPITATION PROBABILITIES

STATION 473269 GREEN BAY,WI
APRIL-SEPTEMBER 1937-1976 NORMAL = 18.15

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	14.823	1.815	1.000
0.400	16.909	4.538	1.000
0.600	18.857	9.075	0.998
0.800	21.299	13.613	0.887
0.900	23.255	16.335	0.659
0.950	24.955	18.150	0.471
0.960	25.466	22.688	0.124
0.970	26.102	27.225	0.018
0.980	26.964	31.763	0.002
0.990	28.359	34.485	0.000

STATION 473269 GREEN BAY,WI
ANNUAL 1937-1976 NORMAL = 27.01

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	23.806	2.701	1.000
0.400	26.189	6.753	1.000
0.600	28.366	13.505	1.000
0.800	31.040	20.258	0.964
0.900	33.145	24.309	0.762
0.950	34.952	27.010	0.524
0.960	35.491	33.763	0.080
0.970	36.160	40.515	0.004
0.980	37.062	47.268	0.000
0.990	38.514	51.319	0.000

STATION 481675 CHEYENNE,WY
APRIL-SEPTEMBER 1937-1976 NORMAL = 10.80

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.000	1.080	0.000
0.400	0.000	2.700	0.000
0.600	0.000	5.400	0.000
0.800	0.000	8.100	0.000
0.900	0.000	9.720	0.000
0.950	0.000	10.800	0.000
0.960	0.000	13.500	0.000
0.970	0.000	16.200	0.000
0.980	0.000	18.900	0.000
0.990	0.000	20.520	0.000

STATION 481675 CHEYENNE,WY
ANNUAL 1937-1976 NORMAL = 14.65

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.000	1.465	0.000
0.400	0.000	3.663	0.000
0.600	0.000	7.325	0.000
0.800	0.000	10.988	0.000
0.900	0.000	13.185	0.000
0.950	0.000	14.650	0.000
0.960	0.000	18.313	0.000
0.970	0.000	21.975	0.000
0.980	0.000	25.638	0.000
0.990	0.000	27.835	0.000

STATION 485390 LANDER,WY
APRIL-SEPTEMBER 1937-1976 NORMAL = 8.96

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.000	0.896	0.000
0.400	0.000	2.240	0.000
0.600	0.000	4.480	0.000
0.800	0.000	6.720	0.000
0.900	0.000	8.064	0.000
0.950	0.000	8.960	0.000
0.960	0.000	11.200	0.000
0.970	0.000	13.440	0.000
0.980	0.000	15.680	0.000
0.990	0.000	17.024	0.000

STATION 485390 LANDER,WY
ANNUAL 1937-1976 NORMAL = 13.84

SELECTED PROB VALUES	SELECTED QUANTILE B=BETA	SELECTED QUANTITY LEVELS	EXC PRB FOR PCP LVL
0.200	0.000	1.384	0.000
0.400	0.000	3.460	0.000
0.600	0.000	6.920	0.000
0.800	0.000	10.380	0.000
0.900	0.000	12.456	0.000
0.950	0.000	13.840	0.000
0.960	0.000	17.300	0.000
0.970	0.000	20.760	0.000
0.980	0.000	24.220	0.000
0.990	0.000	26.296	0.000

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

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15. SUPPLEMENTARY NOTES

16. ABSTRACT

The planning, design, and operation of land-based wastewater management systems can be dependent on knowledge of the amount of precipitation which falls during the operating season. This is particularly true for those cases where soils with low permeability limit the hydraulic load. Precipitation probabilities for selected periods at 93 weather stations have been compiled to assist planners, designers, and others having a need for this type of information. The 93 stations selected represent a cross section of the differing precipitation patterns across the United States.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
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