

### **ICPSR 9252**

# **Uniform Crime Reports: County Level Detailed Arrest and Offense Data, 1985 and 1987**

United States Department of Justice Federal Bureau of Investigation

First ICPSR Version February 2005

Inter-university Consortium for Political and Social Research P.O. Box 1248 Ann Arbor, Michigan 48106 www.icpsr.umich.edu

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### **Data Collection Description**

Principal Investigator(s): United States Department of Justice. Federal Bureau of Investigation

Title: Uniform Crime Reports: County Level Detailed Arrest and Offense

Data, 1985 and 1987

ICPSR Study Number: 9252

Summary: The files in this collection contain counts of arrests and offenses in the

United States for Part I and Part II offenses: murder, rape, robbery,

assault, burglary, larceny, auto theft, arson, forgery, fraud,

embezzlement, vandalism, weapons violations, sex offenses, drug and alcohol abuse violations, gambling, vagrancy, curfew, and runaways.

County populations are also reported.

Universe: County law enforcement agencies in the United States.

Date of Collection: 1987

Data Collection Notes: (1) Data have been aggregated to the county level. Within each

county, data for agencies reporting six to eleven months of information were weighted to produce twelve-month equivalents. Data from agencies reporting only statewide figures were allocated to counties proportionate to their share of the state population. (2) The codebook is provided by ICPSR as a Portable Document Format (PDF) files. The PDF file format was developed by Adobe Systems Incorporated and can be accessed using PDF reader software, such as the Adobe Acrobat Reader. Information on how to obtain a copy of the Acrobat

Reader is provided on the ICPSR Web site.

Data Source: self-enumerated forms

Extent of Collection: 8 data files + machine-readable documentation (PDF) + SAS data

definition statements + SPSS data definition statements

Data Format: Logical Record Length with SAS and SPSS data definition statements

### File Specifications

Part No.	Part Name	File Structure	Case Count	Variable Count	LRECL	Records Per Case
1	Arrests, All Ages: 1985	rectangular	3,131	53	242	1
2	Arrests, Adults: 1985	rectangular	3,131	53	242	1
3	Arrests, Juveniles: 1985	rectangular	3,131	53	242	1
4	Crimes Reported: 1985	rectangular	3,130	17	73	1
5	Arrests, All Ages: 1987	rectangular	3,132	53	245	1
6	Arrests, Adults: 1987	rectangular	3,132	53	245	1
7	Arrests, Juveniles: 1987	rectangular	3,132	53	245	1

### **File Specifications**

Part No.	Part Name	File Structure	Case Count	Variable Count	LRECL	Records Per Case
8	Crimes Reported: 1987	rectangular	3,130	17	74	1

### **Related Publications**

United States Department of Justice. Federal Bureau of Investigation. UNIFORM CRIME REPORTING HANDBOOK. Washington, DC: United States Government Printing Office, 1980.

United States Department of Justice. Bureau of Justice Statistics. "Felony Sentences In State Courts, 1986." Washington, DC: United States Government Printing Office, 1989.

### UNIFORM CRIME REPORTS: COUNTY LEVEL DETAILED ARREST AND OFFENSE DATA, 1985 AND 1987

(ICPSR 9252)

### Principal Investigator

U.S. Dept. of Justice, Federal Bureau of Investigation

First ICPSR Edition May 1990

Inter-university Consortium for Political and Social Research P.O. Box 1248
Ann Arbor, Michigan 48106

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#### REQUEST FOR INFORMATION ON USE OF ICPSR RESOURCES

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#### DATA DISCLAIMER

The original collector of the data, ICPSR, and the relevant funding agency bear no responsibility for uses of this collection or for interpretations or inferences based upon such uses.

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United States Department of Justice. Federal Bureau of Investigation
UNIFORM CRIME REPORTS: COUNTY LEVEL DETAILED ARREST AND OFFENSE DATA,
1985

AND 1987 (ICPSR 9252)

SUMMARY: The files in this collection contain counts of arrests and offenses

for Part I and Part II offenses: murder, rape, robbery, assault, burglary, larceny, auto theft, arson, forgery, fraud, embezzlement, vandalism, weapons

violations, sex offenses, drug and alcohol abuse violations, gambling, vagrancy,

curfew, and runaways. County populations also are reported. CLASS III

UNIVERSE: County law enforcement agencies in the United States.

NOTE: Data have been aggregated to the county level. Within each county, data

for agencies reporting six to eleven months of information were weighted to produce twelve-month equivalents. Data from agencies reporting only statewide

Cases: 3,131

Variables: 53

Record Length: 242

Records Per Case: 1

figures were allocated to counties proportionate to their share of the state  $% \left( 1\right) =\left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left( 1\right) +\left( 1\right) \left( 1\right) \left($ 

population.

EXTENT OF COLLECTION: 8 data files DATA FORMAT: Logical Record Length

Part 1: Arrests, All Ages: Part 2: Arrests, Adults:

1985 1985
File Structure: rectangular File Structure: rectangular

Cases: 3,131
Variables: 53
Record Length: 242
Records Per Case: 1

Part 3: Arrests, Juveniles: Part 4: Crimes reported:

985 1985

File Structure: rectangular File Structure: rectangular

Cases: 3,131 Cases: 3,130

Variables: 53 Record Length: 242 Records Per Case: 1

File Structure: rectangular

Cases: 3,132 Variables: 53 Record Length: 245 Records Per Case: 1

Part 7: Arrests, Juveniles: Part 8: Crimes Reported:

1987

File Structure: rectangular
Cases: 3,132
File Structure: rectangular
Cases: 3,130

Variables: 53 Record Length: 245 Records Per Case: 1

Variables: 17 Record Length: 73 Records Per Case: 1

Part 5: Arrests, All Ages: Part 6: Arrests, Adults:

1987

File Structure: rectangular

Cases: 3,132 Variables: 53 Record Length: 245 Records Per Case: 1

1987

Variables: 17 Record Length: 74 Records Per Case: 1

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#### RELATED PUBLICATIONS:

United States Department of Justice. Federal Bureau of Investigation.

UNIFORM CRIME REPORTING HANDBOOK. Washington, DC: United States Government

Printing Office, 1980.

United States Department of Justice. Bureau of Justice Statistics. "Felony Sentences In State Courts, 1986." Washington, DC: United States

Government Printing Office, 1989.

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ICPSR Data Collection Description

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Parts 1 through 3: UCR County Arrest File 1985

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i

#### DATA COLLECTION DESCRIPTION

The Uniform Crime Reports: County Level Detailed Arrest and Offense Data,

1985 and 1987 reports counts of arrests and offenses known for UCR Index crimes: rape, robbery, assault, burglary, larceny, auto theft, and arson. County populations are also reported. The data were originally collected by

Federal Bureau of Investigation from reports submitted by agencies participating in the UCR. Detailed discussions of reporting procedures are found in the UNIFORM CRIME REPORTING HANDBOOK (Washington, DC: U.S. Government

Printing Office, 1980), and the codebooks for the ICPSR's agency level UCR data

collections (see ICPSR 9028).

For this data collection, the original FBI agency level data have been aggregated to the county level. Data from agencies reporting between six and

eleven months of information are weighted to produce twelve month equivalents.

For example, data from an agency reporting 11 months of figures are multiplied

by 1.09 (12/11). Agencies reporting less than six months of data were excluded

from the aggregation. Some jurisdictions, such as state parks and some state  $\ensuremath{\mathsf{S}}$ 

police, provide data only on a statewide basis. In these cases, data are allocated to counties proportionate to their share of the state population.

a few instances, statewide are not allocated because of reporting peculiarities  $% \left( 1\right) =\left( 1\right) +\left( 1\right) +\left($ 

or excessive missing data in the state; these agencies have been kept as separate records and are identified by the county code 999. Finally, cities designated by the Census Bureau as independent cities are reported separately,

and have unique "county" codes (see Appendix A).

This collection consists of two OSIRIS dictionaries and four OSIRIS data

files for each year of data, resulting in eight parts to the dataset. There is

one dictionary for the three 1985 Arrest files (Parts 1 through 3 of the dataset), one for the 1985 Offense file (Part 4), one for the three 1987 Arrest.

files (Parts 5 through 7), and one for the 1987 Offense file (Part 8). The 1985

Arrest offense data has 3131 cases for 53 variables, with a record length of

242. The 1985 Offense file has 3,130 cases for 17 variables, with a record length of 73. The 1987 Arrest offense file has 3132 cases for 53 variables, with a record length of 245. The 1987 Offense file has 3,130 cases for 17 variables, with a record length of 74.

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### VARIABLE DESCRIPTION FOR UCR COUNTY ARREST FILE 1985 (ICPSR 9252, Parts 1 through 3)

	(ICFSR 9232, Paics I til.	Lough 3)		Minnin
Var # V1	Variable ICPSR STUDY NUMBER-9252	Column 1	Width 4	Missing Data
V2	ICPSR EDITION NUMBER-1	5	1	
V3	ICPSR PART NUMBER 1-2-3	6	1	
V4	ICPSR SEQ ID NUMBER	7	4	
V5	FIPS STATE CODE see Appendix A	11	2	
V6	FIPS COUNTY CODE see Appendix A	13	3	
V7	POPULATION	16	7	
V8	GRAND TOTAL  Total number of arrests. Includes non-index crimes such as fraud, gambling, forgery, prostitution.	23	7	9999999
V9	PART 1 TOTAL Total number of Part I (index) crimes. This is the sum of variables 13 through 19.	30	6	999999
V10	VIOLENT CRIMES Sum of variables 12 Through 15.	36	5	99999
V11	PROPERTY CRIMES Sum of variables 16 through 19.	41	5	99999
V12	MURDERS	46	4	9999
V13	RAPES	50	4	9999
V14	ROBBERIES	54	5	99999
V15	AGGRAVATED ASSAULTS	59	5	99999
V16	BURGLARIES	64	5	99999
V17	LARCENIES	69	5	99999
V18	AUTO THEFTS	74	5	99999

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	111			
V19	ARSONS	79	4	9999
V20	OTHER ASSAULTS	83	5	99999
V21	FORGERY/COUNTERFEITING	88	4	9999
V22	FRAUD	92	5	99999
V23	EMBEZZLEMENT	97	3	999
V24	HAVE STOLEN PROPERTY Buying, receiving, possessing	100	5	99999
V25	VANDALISM	105	5	99999
V26	WEAPONS VIOLATIONS Carrying, possessing, etc.	110	5	99999
V27	PROSTITUTION/COMM VICE Prostitution and commercialized vice.	115	5	99999
V28	SEX OFFENSES  Not including forcible rape and prostitution.	120	5	99999
V29	DRUG ABUSE VIOL. TOTAL Violations of narcotic drug laws. The sum of variables 30 and 35.	125	6	999999
V30	DRUG ABUSE SALE/MANUFAC The sale and/or manufacture of narcotics. The sum of variables 31 through 34.	131	5	99999
V31	OPIUM/COCAINE SALE/MANUF Sale and/or manufacture of opium or cocaine and their derivatives (morphine, heroin, codeine)	136	5	99999
V32	MARIJUANA SALE/MANUF Sale and/or manufacture of marijuana	141	5	99999

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iv V33 SYNTHETIC DRUG SALE/MANU 3 146 999 Synthetic narcotics: manufactured narcotics which can cause true drug addiction (demerol, methadones) V34 OTHER: DANG NON-NARCOTICS 149 4 9999 Dangerous non-narcotic drugs (barbiturates, benzedrine) V35 DRUG POSSESSION SUBTOTAL 153 5 99999 The sum of variables 36-39. V36 OPIUM/COCAINE POSSESSION 5 99999 158 Possession of opium or cocaine and their derivatives (morphine, heroin, codeine) V37 5 MARIJUANA POSSESSION 163 99999 V38 SYNTH NARCOTICS POSSESSN 168 3 999 Synthetic narcotics possession: manufactured narcotics which can cause true drug addiction (demerol, methadones) V39 DRUG POSSESSION: OTHER 171 5 99999 Other dangerous non-narcotic drugs (barbiturates, benzedrine) V40 GAMBLING: TOTAL 9999 176 4 Gambling offenses, Sum of variables 41 through 43. BOOKMAKING (HORSE-SPORT) V41 180 4 9999 V42 NUMBERS & LOTTERY 184 4 9999 GAMBLING: ALL OTHER V43 188 4 9999 V44 OFFEN AGAINST FAM & CHIL 192 9999

Offenses against the family

and children.

	V45	DRIVING UNDER INFLUENCE	196	6	999999
	V46	LIQUOR LAW VIOLATIONS	202	5	99999
1 9252	Page	8			ICPSR
			V		
	V47	DRUNKENNESS	207	5	99999
	V48	DISORDERLY CONDUCT	212	5	99999
	V49	VAGRANCY	217	5	99999
	V50	ALL OTH OFFS EX TRAFFIC	222	6	999999
	V51	SUSPICION	228	4	9999
	V52	CURFEW, LOITERING LAWS Juveniles only.	232	6	999999
	V53	RUN-AWAYS (JUVENILES)	238	5	99999

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### VARIABLE DESCRIPTION FOR UCR COUNTY OFFENSES FILE 1985 (ICPSR 9252, Part 4)

Var #	Variable	Column	Width	Missing Data
V1	ICPSR STUDY NUMBER-9252	1	4	
V2	ICPSR EDITION NUMBER-1	5	1	
V3	ICPSR PART NUMBER-4	6	1	
V4	ICPSR SEQ ID NUMBER Sequential case ID	7	4	
V5	FIPS STATE CODE see Appendix A	11	2	
V6	FIPS COUNTY CODE see Appendix A	13	3	
V7	POPULATION	16	7	9999999
V8	INDEX Total number of UCR Index crimes, excluding arson. The sum of variables 10 through 16.	23	6	999999
V9	MODIFIED INDEX Total number of UCR Index crimes, including arson. The sum of variables 10 through 17.	29	6	999999
V10	MURDERS	35	4	9999

V11	FORCIBLE RAPES	39	4	9999
V12	ROBBERIES	43	5	99999
V13	AGGRAVATED ASSAULTS	48	5	99999
V14	BURGLARIES	53	6	999999
V15	LARCENIES	59	6	999999
V16	MOTOR VEHICLE THEFTS	65	5	99999
V17	ARSONS	70	4	9999

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## VARIABLE DESCRIPTION FOR UCR COUNTY ARREST FILE 1987 (ICPSR 9252, Parts 5 through 7)

	,	<i>-</i>		Missing
Var #	Variable	Column	Width	Data
V1	ICPSR STUDY NUMBER-9252	1	4	
V2	ICPSR EDITION NUMBER-1	5	1	
V3	ICPSR PART NUMBER 5-6-7	6	1	
V4	ICPSR SEQ ID NUMBER	7	4	
V5	FIPS STATE CODE see Appendix A	11	2	
V6	FIPS COUNTY CODE see Appendix A	13	3	
V7	POPULATION	16	7	
V8	GRAND TOTAL Total number of arrests. Includes non-index crimes such as fraud, gambling, forgery, prostitution.	23	7	9999999
V9	PART 1 TOTAL Total number of Part I (index) crimes. This is the sum of variables 13 through 19.	30	7	9999999

	V10	VIOLENT CRIMES Sum of variables 12 through 15.	37	5	99999
	V11	PROPERTY CRIMES Sum of variables 16 through 19.	42	5	99999
	V12	MURDERS	47	4	9999
	V13	RAPES	51	4	9999
	V14	ROBBERIES	55	5	99999
	V15	AGGRAVATED ASSAULTS	60	5	99999
	V16	BURGLARIES	65	5	99999
	V17	LARCENIES	70	5	99999
1 11	ICPSR	9252			Page
			viii		
	V18	AUTO THEFTS	75	5	99999
	V19	ARSONS	80	4	9999

V18	AUTO THEFTS	75	5	99999
V19	ARSONS	80	4	9999
V20	OTHER ASSAULTS	84	5	99999
V21	FORGERY/COUNTERFEITING	89	4	9999
V22	FRAUD	93	5	99999
V23	EMBEZZLEMENT	98	3	999
V24	HAVE STOLEN PROPERTY Buying, receiving, possessing	101	5	99999
V25	VANDALISM	106	5	99999
V26	WEAPONS VIOLATIONS Carrying, possessing, etc.	111	5	99999
V27	PROSTITUTION/COMM VICE Prostitution and commercialized vice.	116	5	99999
V28	SEX OFFENSES Not including forcible rape and	121	4	9999

prostitution.

V29	DRUG ABUSE VIOL. TOTAL Violations of narcotic drug laws. The sum of variables 30 and 35.	125	6	999999
V30	DRUG ABUSE SALE/MANUFAC The sale and/or manufacture of narcotics. The sum of variables 31 through 34.	131	5	99999
V31	OPIUM/COCAINE SALE/MANUF Sale and/or manufacture of opium or cocaine and their derivatives (morphine, heroin, codeine)	136	5	99999
V32	MARIJUANA SALE/MANUF Sale and/or manufacture of marijuana	141	5	99999

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V33	SYNTHETIC DRUG SALE/MANU Synthetic narcotics: manufactured narcotics which can cause true drug addiction (demerol, methadones)	146	4	9999
V34	OTHER: DANG NON-NARCOTICS Dangerous non-narcotic drugs (barbiturates, benzedrine)	150	5	99999
V35	DRUG POSSESSION SUBTOTAL The sum of variables 36-39.	155	5	99999
V36	OPIUM/COCAINE POSSESSION Possession of opium or cocaine and their derivatives (morphine, heroin, codeine)	160	5	99999
V37	MARIJUANA POSSESSION	165	5	99999
V38	SYNTH NARCOTICS POSSESSN Synthetic narcotics possession:	170	3	999

	<pre>manufactured narcotics which can cause true drug addiction (demerol, methadones)</pre>			
V39	DRUG POSSESSION: OTHER Other dangerous non-narcotic drugs (barbiturates, benzedrine)	173	4	9999
V40	GAMBLING: TOTAL Gambling offenses, Sum of variables 41 through 43.	177	5	99999
V41	BOOKMAKING (HORSE-SPORT)	182	4	9999
V42	NUMBERS & LOTTERY	186	4	9999
V43	GAMBLING: ALL OTHER	190	4	9999
V44	OFFEN AGAINST FAM & CHIL Offenses against the family and children.	194	4	9999
V45	DRIVING UNDER INFLUENCE	198	6	999999
V46	LIQUOR LAW VIOLATIONS	204	5	99999

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V47	DRUNKENNESS	209	5	99999
V48	DISORDERLY CONDUCT	214	6	999999
V49	VAGRANCY	220	5	99999
V50	ALL OTH OFFS EX TRAFFIC	225	6	999999
V51	SUSPICION	231	4	9999
V52	CURFEW, LOITERING LAWS Juveniles only.	235	6	999999
V53	RUN-AWAYS (JUVENILES)	241	5	99999

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# VARIABLE DESCRIPTION FOR UCR COUNTY OFFENSES FILE 1987 (ICPSR 9252, Part 8)

Var #	Variable	Column	Width	Missing Data
V1	ICPSR STUDY NUMBER-9252	1	4	
V2	ICPSR EDITION NUMBER-1	5	1	
V3	ICPSR PART NUMBER-8	6	1	
V4	ICPSR SEQ ID NUMBER Sequential case ID	7	4	

V5	FIPS STATE CODE see Appendix A	11	2	
V6	FIPS COUNTY CODE see Appendix A	13	3	
V7	POPULATION	16	7	9999999
V8	INDEX Total number of UCR Index crimes, excluding arson. The sum of variables 10 through 16.	23	6	999999
V9	MODIFIED INDEX Total number of UCR Index crimes, including arson. The sum of variables 10 through 17.	29	6	999999
V10	MURDERS	35	4	9999
V11	FORCIBLE RAPES	39	4	9999
V12	ROBBERIES	43	5	99999
V13	AGGRAVATED ASSAULTS	48	5	99999
V14	BURGLARIES	53	6	999999
V15	LARCENIES	59	6	999999
V16	MOTOR VEHICLE THEFTS	65	6	999999
V17	ARSONS	71	4	9999

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APPENDIX

State and County Codes

Following is a listing of state and county codes used in this study. State  $\ensuremath{\mathsf{S}}$ 

and county codes are separated by decimals, with the state code appearing first. States are identified by two-digit codes, though the leading zeros

do

not appear in this listing. The county codes are three digits wide.

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FIPS Codes for UCR County-Level Data

1 Alabama 1.001 Autauga 1.107 Pickens 1.109 Pike

1.003	Baldwin	1.111	Randolph
1.005	Barbour	1.113	Russell
1.007	Bibb	1.115	St. Ciair
1.009	Clair	1.117	Shelby
1.011	Bullock	1.119	Sumter
1.013	Butler	1.121	Talladega
1.015	Calhoun	1.123	Tallapoosa
1.017	Chambers	1.125	Tuscaloosa
1.019	Cherokee	1.127	Walker
1.021	Chilton	1.129	Washington
1.023	Choctaw	1.131	Wilcox
1.025	Clarke	1.133	Winston
1.027	Clay	2	Alaska (UCR FIPS)
1.029	Cleburne	2.010	Aleutian Islands
1.031	Coffee	2.020	Anchorage
1.033	Colbert	2.030	Angoon
1.035	Conecuh	2.050	Bethel
1.037	Coosa	2.060	Bristol Bay Borough
1.039	Covington	2.070	Dillingham
1.041	Crenshaw	2.090	Fairbanks North Star
1.043	Cullman	2.100	Haines
1.045	Dale	2.110	Juneau
1.047	Dallas	2.122	Kenai Peninsula
1.049	De Kalb	2.130	Ketchikan
1.051	Elmore	2.140	Kobuk

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1.053Escambia2.150Kodiak Island1.055Etowah2.160Kuskokwim1.057Fayette2.170Matanuska-Susitna

1.059	Franklin	2.180	Nome
1.061	Geneva	2.185	North Slope
1.063	Greene	2.201	Prince of Wales-Outer
1.065	Hale	2.220	Sitka
1.067	Henry	2.231	Skagway-Yakutat-Angoon
1.069	Houston	2.261	Valdez-Cordova
1.071	Jackson	2.280	Wrangell-Petersburg
1.073	Jefferson	3	American Samoa
1.075	Lamar		(No coordinates)
1.077	Lauderdale	4	Arizona
1.079	Lawrence	4.001	Apache
1.081	Lee	4.003	Cochise
1.083	Limestone	4.005	Coconino
1.085	Lowndes	4.007	Gila
1.087	Macon	4.009	Graham
1.089	Madison	4.011	Greenlee
1.091	Marengo	4.013	Maricopa
1.093	Marion	4.015	Mohave
1.095	Marshall	4.017	Navajo
1.097	Mobile	4.019	Pima
1.099	Monroe	4.021	Pinal
1.101	Montgomery	4.023	Santa Cruz
1.103	Morgan	4.025	Yavapai
1.105	Perry	4.027	Yuma
5	Arkansas	5.107	Philling
	Arkansas	5.107	Phillips Pike
		5.111	Poinsett
	Ashley		Polk
	Baxter		
	Benton Boone		Pope Prairie
	Bradley		Pulaski
	Calhoun		Randolph
			St. Francis
	Carroll Chicot	5.123 5.125	Saline
	Clark	5.127	Scott
	Clay	5.129	Searcy
5.021	Cleburne	5.131	Searcy Sebastian
	Cleveland		
			Sevier
5.027 5.029	Columbia	5.135	Sharp
5.029	Conway	5.137	Stone
	Craighead	5.139	Union
5.033	Crawford	5.141	Van Buren
5.035	Crittenden	5.143	Washington
5.037	Cross	5.145	White
5.039	Dallas	5.147	Woodruff
5.041	Desha	5.149	Yell
5.043	Drew	6	California
5.045	Faulkner	6.001	Alameda
5.047	Franklin	6.003	Alpine

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5.049	Fulton	6.005	Amador
5.051	Garland	6.007	Butte
	Grant		Calaveras
5.055	Greene		Colusa
	Hempstead		Contra Costa
5.059	Hot Spring		Del Norte
5.061	Howard		El Dorado
5.063			Fresno
	Independence Izard		
5.065	Jackson	6.021	
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5.069	Jefferson		Imperial
	Johnson	6.027	<del>-</del>
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5.075	Lawrence	6.031	<del>-</del>
5.077	Lee	6.033	
5.079	Lincoln		Lassen
	Little River	6.037	
5.083	Logan	6.039	
5.085	Lonoke	6.041	
	Madison	6.043	<u> -</u>
	Marion		Mendocino
	Miller	6.047	Merced
5.093	Mississippi	6.049	Modoc
5.095	Monroe	6.051	Mono
5.097	Montgomery	6.053	Monterey
5.099	Nevada	6.055	Napa
5.101	Newton	6.057	Nevada
5.103	Ouachita	6.059	Orange
5.105	Perry	6.061	Placer
6.063	Plumas	8.049	Grand
6.065	Riverside		Gunnison
6.067	Sacramento	8.053	Hinsdale
6.069	San Benito	8.055	Huerfano
6.071	San Bernardino	8.057	Jackson
6.073	San Diego	8.059	Jefferson
6.075	San Francisco	8.061	Kiowa
6.077	San Joaquin	8.063	Kit Carson
6.079	San Luis Obispo	8.065	Lake
6.081	San Mateo	8.067	La Plata
6.083	Santa Barbara	8.069	
6.085	Santa Clara	8.071	
6.087	Santa Cruz	8.073	
6.089	Shasta	8.075	Logan
6.091	Sierra	8.077	Mesa
6.093	Siskiyou	8.079	Mineral
6.095	Solano	8.081	
6.097	Sonoma	8.083	Montezuma
6.099	Stanislaus	8.085	Montrose
6.101	Sutter	8.087	
6.103	Tehama	8.089	Otero
6.105	Trinity	8.091	Ouray
6.107	Tulare	8.093	Park
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6.109	Tuolumne	8.095	Phillips
	Ventura	8.097	Pitkin
6.113		8.099	Prowers
6.115	Yuba	8.101	Pueblo
7	Canal Zone	8.103	Rio Blanco
,	(No coordinates)		Rio Grande
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8	Colorado	8.107	Routt
	Adams	8.109	Saguache
	Alamosa	8.111	San Juan
	Arapahoe	8.113	San Miguel
	Archuleta	8.115	Sedgwick
8.009	Baca	8.117	Summit
8.011	Bent	8.119	Teller
8.013	Boulder	8.121	Washington
8.015	Chaffee	8.123	Weld
8.017	Cheyenne	8.125	Yuma
	Clear Creek	9	Connecticut
	Conejos	9.001	
8.023	Costilla	9.003	
8.025	Crowley	9.005	Litchfield
	Custer	9.007	Middlesex
8.029	Delta	9.009	New Haven
			New London
	Denver	9.011	
	Dolores	9.013	Tolland
	Douglas	9.015	Windham
	Eagle	10	Delaware
	Elbert	10.001	Kent
	El Paso	10.003	New Castle
8.043	Fremont	10.005	Sussex
8.045	Garfield	11	District of Columbia
8.047	Gilpin	11.001	District of Columbia
12	Florida	12.107	Putnam
12.001	Alachua	12.109	St. Johns
12.003	Baker	12.111	St. Lucie
12.005	Bay	12.113	Santa Rosa
12.007	Bradford	12.115	Sarasota
12.009	Brevard	12.117	Seminole
12.011	Broward	12.119	Sumter
12.013	Calhoun	12.121	Suwannee
12.015	Charlotte	12.123	Taylor
12.017	Citrus	12.125	Union
12.017	Clay	12.123	Volusia
12.019	Collier	12.127	
			Wakulla
12.023	Columbia	12.131	Walton
12.025	Dade	12.133	Washington
12.027	De Soto	13	Georgia
12.029	Dixie	13.001	Appling
12.031	Duval	13.003	Atkinson
12.033	Escambia	13.005	Bacon
12.035	Flagler	13.007	Baker

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12.037 Franklin
                                              13.009 Baldwin
    12.039 Gadsden
                                               13.011 Banks
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    12.041 Gilchrist
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    12.043 Glades
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                                              13.017 Ben Hill
    12.045 Gulf
    12.047 Hamilton
                                              13.019 Berrien
    12.049 Hardee
                                              13.021 Bibb
    12.051 Hendry
                                              13.023 Bleckley
    12.053 Hernando
                                              13.025 Brantley
                                              13.027 Brooks
13.029 Bryan
    12.055 Highlands
    12.057 Hillsborough
    12.059 Holmes
                                              13.031 Bulloch
    12.061 Indian River
                                              13.033 Burke
    12.063 Jackson
                                              13.035 Butts
    12.065 Jefferson
                                              13.037 Calhoun
    12.067 Lafayette
                                              13.039 Camden
    12.069 Lake
                                              13.043 Candler
    12.071 Lee
                                              13.045 Carroll
    12.073 Leon
                                              13.047 Catoosa
    12.075 Levy
                                              13.049 Charlton
    12.077 Liberty
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    12.079 Madison
                                              13.053 Chattahoochee
                                              13.055 Chattooga
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    12.083 Marion
    12.085 Martin
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    12.087 Monroe
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    12.089 Nassau
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    12.091 Okaloosa
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    12.095 Orange
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                                              13.071 Colquitt
    12.097 Osceola
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    12.099 Palm Beach
    12.101 Pasco
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    12.103 Pinellas
                                              13.077 Coweta
    12.105 Polk
                                              13.079 Crawford
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    13.081 Crisp
    13.083 Dade
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    13.085 Dawson
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    13.087 Decatur
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                                              13.197 Marion
    13.089 De Kalb
    13.091 Dodge
                                              13.199 Meriwether
    13.093 Dooly
                                              13.201 Miller
    13.095 Dougherty
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    13.097 Douglas
                                              13.207 Monroe
    13.099 Early
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    13.101 Echols
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    13.103 Effingham
                                              13.213 Murray
    13.105 Elbert
                                              13.215 Muscogee
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1	13.107 13.109 13.111 13.113 13.115 13.117	Evans Fannin Fayette Floyd Forsyth	13.217 13.219 13.221 13.223 13.225 13.227	Oconee Oglethorpe Paulding Peach
21	13.125 13.127 13.129 13.131 13.133 13.135 13.137 13.139 13.141	Fulton Gilmer Glascock Glynn Gordon Grady Greene Gwinnett Habersham Hall Hancock Haralson Harris Hart Heard Henry Houston Irwin Jackson Jasper Jeff Davis Jefferson Jenkins Johnson	13.231 13.233 13.235 13.239 13.241 13.243 13.245 13.245 13.253 13.255 13.257 13.259 13.261 13.263 13.265 13.267 13.271 13.273 13.277 13.279 13.279 13.281 13.283	Polk Pulaski Putnam Quitman Rabun Randolph Richmond Rockdale Schley Screven Seminole Spalding Stephens Stewart Sumter Talbot Taliaferro Tattnall Taylor Telfair Terrell
	13.175 13.177 13.179 13.181 13.183 13.185 13.187 13.299 13.301 13.303 13.305 13.307 13.309 13.311	Laurens Lee Liberty Lincoln Long Lowndes Lumpkin  Ware Warren Washington Wayne Webster Wheeler White	13.285 13.287 13.289 13.291 13.293 13.295 13.297 16.067 16.069 16.071 16.073 16.075 16.077	Troup Turner Twiggs Union Upson Walker Walton  Minidoka Nez Perce Oneida

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	13.313 13.315 13.317 13.319 13.321 14 15 15.001 15.003	Wilcox Wilkes Wilkinson Worth Guam (No coordinates) Hawaii	16.081 16.083 16.085 16.087 17 17.001 17.003 17.005 17.007	Teton Twin Falls Valley Washington Illinois Adams Alexander Bond Boone Brown
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	15.005	Kalawao	17.011	Bureau
	15.007		17.013	Calhoun
	15.009		17.015	Carroll
	16	Idaho	17.017	Cass
	16.001	Ada	17.019	Champaign
	16.003	Adams	17.021	Christian
	16.005	Bannock	17.023	Clark
	16.007	Bear Lake	17.025	Clay
	16.009		17.027	Clinton
	16.011	-	17.029	Coles
	16.013		17.031	Cook
	16.015		17.033	Crawford
	16.017		17.035	Cumberland
	16.019		17.037	De Kalb
	16.021	<u> -</u>	17.039	De Witt
	16.023	Butte	17.041	Douglas
	16.025		17.043	Du Page
	16.027	<u> -</u>	17.045	Edgar
	16.029		17.047	Edwards
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	16.035	Clearwater	17.051 17.053	Fayette Ford
	16.037	Custer	17.055	Franklin
	16.039	Elmore	17.057	Fulton
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	16.057	Latah	17.075	Iroquois
	16.059	Lemhi	17.077	Jackson
	16.061	Lewis	17.079	Jasper
	16.063	Lincoln	17.081	Jefferson
	16.065	Madison	17.083	Jersey
	17.085	Jo Daviess	17.193	White

17.093 17.095 17.097 17.099 17.101 17.103 17.105 17.107 17.109	Kankakee Kendall Knox Lake La Salle Lawrence Lee Livingston	17.195 17.197 17.199 17.201 17.203 18 18.001 18.003 18.005 18.007 18.009 18.011 18.013 18.015	Whiteside Will Williamson Winnebago Woodford Indiana Adams Allen Bartholomew Benton Blackford Boone Brown Carroll	
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17.119 17.121 17.123 17.125 17.127 17.129 17.131	Macoupin Madison Marion Marshall Mason Massac Menard Mercer Monroe Montgomery Morgan Moultrie Ogle Peoria Perry Piatt Pike Pope Pulaski Putnam Randolph Richland Rock Island St. Clair Saline Sangamon Schuyler Scott Shelby Stark Stephenson Tazewell Union Vermilion	18.017 18.019 18.021 18.023 18.025 18.027 18.029 18.031 18.033 18.035 18.037 18.039 18.041 18.043 18.045 18.047 18.049 18.051 18.053 18.055 18.057 18.059 18.061 18.063 18.065 18.067 18.069 18.071 18.073 18.077 18.079 18.079 18.079 18.079 18.079 18.079 18.081 18.083 18.085	Cass Clark Clay Clinton Crawford Daviess Dearborn Decatur De Kalb Delaware Dubois Elkhart Fayette Floyd Fountain Franklin Fulton Gibson Grant Greene Hamilton Hancock Harrison Hendricks Henry Howard Huntington Jackson Jasper Jay Jefferson Jennings Johnson Knox Kosciusko Lagrange	

	17.187	Warren	18.089	Lake	
	17.189	Washington	18.091	La Porte	
	17.191	Wayne	18.093	Lawrence	
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	18.095	Madison	10 017	Bremer	
		Marion		Buchanan	
		Marshall			
				Buena Vista Butler	
		Martin			
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	18.105	Monroe	19.027		
	18.107	Montgomery	19.029		
	18.109	Morgan	19.031		
	18.111	Newton	19.033		
	18.113	Noble	19.035		
	18.115	Ohio	19.037		
	18.117	Orange		Clarke	
	18.119	Owen	19.041	Clay	
1	Dago	24			ICPSR
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9232					
	18.121	Parke	19.043	Clayton	
	18.123	Perry	19.045	Clinton	
	18.125	Pike	19.047	Crawford	
	18.127	Porter	19.049	Dallas	
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	18.135	Randolph	19.057	Des Moines	
	18.137	Ripley	19.059	Dickinson	
	18.139	Rush	19.061	Dubuque	
	18.141	St. Joseph	19.063	Emmet	
	18.143	Scott	19.065	Fayette	
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	18.147	Spencer	19.069	Franklin	
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	18.151	Steuben	19.073	Greene	
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	18.161	Union	19.083	Hardin	
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	18.165	Vermillion	19.087	Henry	
	18.167	Vigo	19.089		
	18.169	Wabash	19.091	Humboldt	
	18.171	Warren	19.093	Ida	
	18.173	Warrick	19.095	Iowa	
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	18.177	Wayne	19.099	Jasper	
	18.179	Wells	19.101	Jefferson	
	18.181	White	19.103	Johnson	
	18.183	Whitley	19.105	Jones	

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	19.001	Adair		Kossuth	
	19.001		19.109		
		Allamakee	19.113		
		Appanoose		Louisa	
		Audubon	19.117		
	19.011		19.119	_	
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	19.015	Boone	19.123	Mahaska	
	19.125	Marion	20.033	Comanche	
	19.127	Marshall	20.035	Cowley	
	19.129			Crawford	
		Mitchell		Decatur	
		Monona		Dickinson	
	19.135			Doniphan	
		Montgomery		Douglas	
				Edwards	
		Muscatine			
		O'Brien	20.049		
		Osceola	20.051		
	19.145	Page	20.053	Ellsworth	
1					
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25					
		Palo Alto		Finney	
		Plymouth	20.057		
		Pocahontas		Franklin	
	19.153		20.061	Geary	
	19.155	Pottawattamie	20.063	Gove	
	19.157	Poweshiek	20.065	Graham	
	19.159	Ringgold	20.067	Grant	
	19.161	Sac	20.069	Gray	
	19.163	Scott		Greeley	
	19.165	Shelby	20.073	Greenwood	
	19.167	Sioux	20.075	Hamilton	
	19.169	Story	20.077		
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	19.173		20.073	<del>-</del>	
		Taylor			
	19.175	Union	20.083	-	
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	19.179	Wapello	20.087	Jefferson	
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	19.183	Washington	20.091		
	19.185	Wayne	20.093	Kearny	
	19.187	Webster	20.095	Kingman	
	19.189	Winnebago	20.097	Kiowa	
	19.191	Winneshiek	20.099	Labette	
	19.193	Woodbury	20.101	Lane	
	19.195	Worth	20.103	Leavenworth	
	19.197	Wright	20.105	Lincoln	
	20	Kansas	20.103		
	20.001	Allen	20.107	Logan	
	20.001	177.7.011	∠∪•±∪⊅	nogan	

20.005 20.007 20.009 20.011 20.013 20.015 20.017 20.019 20.021	Butler Chase Chautauqua Cherokee Cheyenne Clark Clay Cloud	20.111 20.113 20.115 20.117 20.119 20.121 20.123 20.125 20.127 20.129 20.131 20.133 20.135 20.137 20.139	Lyon McPherson Marion Marshall Meade Miami Mitchell Montgomery Morris Morton Nemaha Neosho Ness Norton Osage	
20.145 20.147 20.149 20.151	Rawlins Reno	21.037 21.039 21.041 21.043 21.045 21.047 21.049 21.051	Campbell Carlisle Carroll Carter Casey Christian Clark Clay Clinton	
1 Page 9252	26			ICPSR
	Riley Rooks Rush Russell Saline Scott Sedgwick Seward Shawnee Sheridan Sherman Smith Stafford Stanton Stevens Sumner Thomas Trego Wabaunsee Wallace Washington Wichita	21.055 21.057 21.059 21.061 21.063 21.065 21.067 21.069 21.071 21.073 21.075 21.077 21.079 21.081 21.083 21.085 21.087 21.089 21.091 21.093 21.095 21.097 21.099 21.101	Crittenden Cumberland Daviess Edmonson Elliott Estill Fayette Fleming Floyd Franklin Fulton Gallatin Garrard Grant Graves Grayson Green Greenup Hancock Hardin Harlan Harrison Hart Henderson	

	21 21.001 21.003 21.005 21.007 21.009 21.011 21.013 21.015 21.017 21.021 21.023 21.025 21.027 21.029 21.031	Anderson Ballard Barren Bath Bell Boone Bourbon Boyd		21.103 21.105 21.107 21.109 21.111 21.113 21.115 21.117 21.121 21.123 21.125 21.127 21.129 21.131 21.133 21.135 21.137 21.139 21.139	Henry Hickman Hopkins Jackson Jefferson Jessamine Johnson Kenton Knott Knox Larue Laurel Lawrence Lee Leslie Letcher Lewis Lincoln Livingston Logan	
		Calloway		21.141	Lyon	
	21.149 21.151 21.153	McCreary McLean Madison Magoffin Marion		22.011 22.013 22.015 22.017 22.019 22.021 22.023	Beauregard Bienville Bossier Caddo Calcasieu Caldwell Cameron	
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	21.161 21.163 21.167 21.169 21.171 21.173 21.175 21.177 21.179 21.181 21.183 21.185 21.187 21.189 21.191 21.193 21.195	Menifee Mercer Metcalfe Monroe Montgomery Morgan Muhlenberg Nelson Nicholas Ohio Oldham Owen Owsley Pendleton Perry Pike		22.027 22.029 22.031 22.033 22.035 22.037 22.039 22.041 22.043 22.045 22.047 22.049 22.051 22.053 22.055 22.057 22.059 22.061	Catahoula Claiborne Concordia De Soto East Baton Rouge East Carroll East Feliciana Evangeline Franklin Grant Iberia Iberville Jackson Jefferson Jefferson Davis Lafayette Lafourche La Salle Lincoln	
	21.191 21.193	Pendleton Perry		22.057 22.059	Lafourche La Salle	2

	21.199	Pulaski	22.003	Madison
	21.201	Robertson	22.067	Morehouse
		Rockcastle	22.069	Natchitoches
	21.205	Rowan	22.071	Orleans
	21.207	Russell	22.073	Ouachita
	21.209	Scott	22.075	Plaquemines
	21.211	Shelby	22.077	Pointe Coupee
	21.213	Simpson	22.079	Rapides
				Red River
	21.215	Spencer	22.081	
	21.217	Taylor	22.083	Richland
	21.219	Todd	22.085	Sabine
	21.221	Trigg	22.087	St. Bernard
	21.223	Trimble	22.089	St. Charles
	21.225	Union		St. Helena
			22.091	
	21.227	Warren	22.093	St. James
	21.229	Washington	22.095	St. John The Baptist
	21.231	Wayne	22.097	St. Landry
	21.233	Webster	22.099	St. Martin
	21.235	Whitley	22.101	St. Mary
	21.237	Wolfe	22.103	St. Tammany
	21.239	Woodford	22.105	Tangipahoa
	22	Louisiana (Parishes)	22.107	Tensas
	22.001	Acadia	22.109	Terrebonne
	22.003	Allen	22.111	Union
	22.005	Ascension	22.113	Vermilion
	22.007	Assumption	22.115	Vernon
	22.009	Avoyelles	22.117	Washington
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		Webster	25.013	Hampden
		West Baton Rouge	25.015	Hampshire
	22.123	West Carroll	25.017	Middlesex
	22.125	West Feliciana	25.019	Nantucket
	22.127	Winn	25.021	Norfolk
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	23	Maine	25.023	Plymouth
	23.001	Androscoggin	25.025	Suffolk
		<del></del>	25.023	Worcester
	23.003	Aroostook		
	23.005	Cumberland	26	Michigan
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	23.009	Hancock	26.003	Alger
	23.011	Kennebec	26.005	Allegan
			26.007	
	23.013	Knox		Alpena
	23.015	Lincoln	26.009	Antrim
	23.017	Oxford	26.011	Arenac
	23.019	Penobscot	26.013	Baraga
	23.021	Piscataquis	26.015	Barry
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	23.023	Sagadahoc	26.017	Bay
	23.025	Somerset	26.019	Benzie
	23.027	Waldo	26.021	Berrien
	23.029	Washington	26.023	Branch
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22.065 Madison

21.199 Pulaski

	23.031	York	26.02		
	24	Maryland	26.02		
		Allegany		29 Charlevoix	
	24.003	Anne Arundel		31 Cheboygan	
	24.005	Baltimore		33 Chippewa	
	24.009	Calvert	26.03		
	24.011	Caroline		37 Clinton	
	24.013	Carroll		39 Crawford	
	24.015	Cecil	26.04		
	24.017	Charles	26.04		
	24.019	Dorchester	26.04		
	24.021	Frederick	26.04		
	24.023	Garrett	26.04	19 Genesee	
	24.025	Harford	26.05	51 Gladwin	
	24.027	Howard	26.05	3 Gogebic	
	24.029	Kent	26.05	55 Grand Traverse	
	24.031	Montgomery	26.05	7 Gratiot	
	24.033	Prince George's	26.05	59 Hillsdale	
	24.035	Queen Anne's	26.06	1 Houghton	
	24.037	St. Mary's	26.06	3 Huron	
	24.039	Somerset	26.06	55 Ingham	
	24.041	Talbot	26.06	57 Ionia	
	24.043	Washington	26.06	59 Iosco	
	24.045	Wicomico	26.07	71 Iron	
	24.047	Worcester	26.07	73 Isabella	
	24.510	Baltimore		75 Jackson	
	25	Massachusetts	26.07		
		Barnstable	26.07		
		Berkshire	26.08		
	25.005	Bristol	26.08		
	25.007	Dukes	26.08		
	25.009	Essex	26.08		
	25.011	Franklin	26.08	-	
	26.091	Lenawee	27.03	31 Cook	
	26.093	Livingston	27.03	33 Cottonwood	
	26.095	Luce	27.03	35 Crow Wing	
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	26.099	Macomb	27.03	_	
	26.101	Manistee	27.04	_	
	26.103	Marquette	27.04		
	26.105	Mason	27.04		
	26.107	Mecosta	27.04		
	26.109	Menominee	27.04		
	26.111	Midland	27.05		
	26.113	Missaukee	27.05	-	
	26.115	Monroe	27.05		
	26.117	Montcalm	27.05		
	26.119	Montmorency	27.05	59 Isanti	

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	26.125	Oakland	27.065	Kanabec
	26.127	Oceana	27.067	Kandiyohi
	26.129	Ogemaw	27.069	Kittson
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	26.149		27.089	Marshall
	26.151	±	27.091	Martin
	26.153		27.093	Meeker
	26.155		27.095	Mille Lacs
	26.157		27.097	Morrison
	26.159		27.099	Mower
	26.161		27.101	Murray
	26.163		27.103	Nicollet
	26.165	2	27.105	Nobles
	27	Minnesota	27.107	Norman
	27.001		27.109	Olmsted
	27.001		27.111	Otter Tail
		Becker	27.111	Pennington
		Beltrami	27.115	Pine
	27.007		27.117	Pipestone
	27.011		27.119	Polk
	27.011	3	27.113	Pope
	27.015		27.121	Ramsey
	27.013		27.125	Red Lake
			27.123	Redwood
	27.019			
	27.021		27.129 27.131	Renville
	27.023			Rice
	27.025		27.133	Rock
	27.027	<u>-</u>	27.135	Roseau
	27.029	Clearwater	27.137	St. Louis
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	27.139			Lafayette
	27.141	Sherburne	28.073	Lamar
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	27.143	Sibley	28.075	Lauderdale
	27.145	<u>-</u>	28.077	Lawrence
	27.147		28.079	Leake
	27.149		28.081	Lee
	27.151		28.083	Leflore
	27.153		28.085	Lincoln
	27.155		28.087	Lowndes
	27.157		28.089	Madison
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27.061 Itasca

26.121 Muskegon

27.159	Wadena	28.091	Marion
27.161	Waseca	28.093	Marshall
27.163	Washington	28.095	Monroe
27.165	Watonwan	28.097	Montgomery
27.167	Wilkin	28.099	Neshoba
27.169	Winona	28.101	Newton
27.171	Wright	28.103	Noxubee
27.173	Yellow Medicine	28.105	Oktibbeha
28	Mississippi	28.107	Panola
28.001	Adams	28.109	Pearl River
28.003	Alcorn	28.111	Perry
28.005	Amite	28.113	Pike
28.007	Attala	28.115	Pontotoc
28.009	Benton	28.117	Prentiss
28.011	Bolivar	28.119	Quitman
28.013	Calhoun	28.121	Rankin
28.015	Carroll	28.123	Scott
28.017	Chickasaw	28.125	Sharkey
28.019	Choctaw	28.127	Simpson
28.021	Claiborne	28.129	Smith
28.023	Clarke	28.131	Stone
28.025	Clay	28.133	Sunflower
28.027	Coahoma	28.135	Tallahatchie
28.029	Copiah	28.137	Tate
28.031	Covington	28.139	Tippah
28.033	De Soto	28.141	Tishomingo
28.035	Forrest	28.143	Tunica
28.037	Franklin	28.145	Union
28.039	George	28.147	Walthall
28.041	Greene	28.149	Warren
28.043	Grenada	28.151	Washington
28.045	Hancock	28.153	Wayne
28.047	Harrison	28.155	Webster
28.049	Hinds	28.157	Wilkinson
28.051	Holmes	28.159	Winston
28.053	Humphreys	28.161	Yalobusha
28.055	Issaquena	28.163	Yazoo
28.057	Itawamba	29	Missouri
28.059	Jackson	29.001	Adair
28.061	Jasper	29.003	Andrew
28.063	Jefferson	29.005	Atchison
28.065	Jefferson Davis	29.007	Audrain
28.067	Jones	29.009	Barry
28.069	Kemper	29.011	Barton

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 29.013
 Bates
 29.121
 Macon

 29.015
 Benton
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 Madison

 29.017
 Bollinger
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 Maries

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 Boone
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 Marion

29.021	Buchanan	29.129	Mercer
	Butler	29.131	
	Caldwell		Mississippi
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	Cape Girardeau	29.139	
	Carroll	29.141	Morgan
	Carter	29.143	New Madrid
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	Dallas	29.167	
	Daviess		Pulaski
	De Kalb	29.171	
29.065	Dent	29.173	
	Douglas	29.175	Randolph
	Dunklin	29.177	Ray
	Franklin	29.179	2
	Gasconade	29.181	
	Gentry	29.183	St. Charles
	Creene	29.185	
	Grundy	29.186	
	Harrison	29.187	
	Henry	29.189	
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29.087	Holt	29.197	Schuyler
29.089	Howard	29.199	Scotland
29.091	Howell	29.201	Scott
	Iron	29.203	
	Jackson	29.205	
29.097	Jasper	29.207	
29.099	Jefferson	29.209	Stone
29.101	Johnson	29.211	Sullivan
29.103	Knox	29.213	Taney
29.105	Laclede	29.215	Texas
29.107	Lafayette	29.217	Vernon
29.109	Lawrence	29.219	Warren
29.111	Lewis	29.221	Washington
29.113	Lincoln	29.223	Wayne
29.115	Linn	29.225	Webster
29.117	Livingston	29.227	Worth
29.119	McDonald	29.229	Wright

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	29.510	St. Louis	30.105	
	30	Montana	30.107	Wheatland
	30.001	Beaverhead	30.109	Wibaux
	30.003	Big Horn	30.111	Yellowstone
	30.005	Blaine	30.113	Yellowstone National
Park				
	30.007	Broadwater	31	Nebraska
	30.009	Carbon	31.001	Adams
	30.011	Carter	31.003	Antelope
	30.013	Cascade	31.005	Arthur
	30.015	Chouteau	31.007	Banner
	30.017	Custer		Blaine
	30.019	Daniels	31.011	
	30.021			Box Butte
	30.023	Deer Lodge	31.015	Boyd
	30.025		31.017	
	30.027	Fergus	31.019	
		Flathead	31.021	
		Gallatin	31.023	
		Garfield	31.025	
		Glacier	31.027	
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	30.043		31.035	Clay
	30.045		31.037	<del>-</del>
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		Liberty	31.043	
		Lincoln	31.045	
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	30.059	Meagher	31.043	
	30.061	Mineral	31.053	
	30.061		31.055	
		Musselshell	31.057	Dundy
		Park	31.057	_
		Petroleum	31.039	
				Frontier
	30.071 30.073	Phillips	31.063 31.065	
		Pondera Powder River	31.063	Furnas
	30.075			Cage
	30.077	Powell	31.069	Garden
	30.079	Prairie	31.071	Garfield
	30.081	Ravalli	31.073	Gosper
	30.083	Richland	31.075	Grant
	30.085	Roosevelt	31.077	Greeley
	30.087	Rosebud	31.079	Hall
	30.089	Sanders	31.081	Hamilton
	30.091	Sheridan	31.083	Harlan
	30.093	Silver Bow	31.085	Hayes
	30.095	Stillwater	31.087	Hitchcock
	30.097	Sweet Crass	31.089	Holt
	30.099	Teton	31.091	Hooker

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30.101 30.103	Toole Treasure	31.093 31.095	
31.097 31.099 31.101 31.103 31.105 31.107 31.111 31.113 31.115 31.117 31.119 31.121 31.123	Johnson Kearney Keith Keya Paha Kimball Knox Lancaster Lincoln Logan Loup McPherson Madison Merrick Morrill	32.017 32.019 32.021 32.023 32.027 32.029 32.031 32.033 32.510 33 33.001 33.003 33.005 33.007	Lincoln Lyon Mineral Nye
31.125 31.127		33.009	Crafton
31.127 31.129 31.131 31.133 31.135 31.137 31.141 31.143 31.145 31.147	Nemaha Nuckolls Otoe Pawnee Perkins Phelps Pierce Platte Polk Red Willow Richardson	33.011 33.013 33.015 33.017 33.019 34 34.001 34.003 34.005 34.007 34.009	
31.149 31.151	Rock Saline	34.011 34.013	Cumberland
31.153 31.155 31.159 31.161 31.163 31.165 31.167 31.171 31.173 31.175 31.177 31.179 31.181 31.183 31.185	Sarpy Saunders Scotts Bluff Seward Sheridan Sherman Sioux Stanton Thayer Thomas Thurston Valley Washington Wayne Webster Wheeler York	34.015 34.017 34.019 34.021 34.023 34.025 34.027 34.029 34.031 34.033 34.035 34.037 34.039 34.041 35 35.001 35.003	Gloucester Hudson Hunterdon Mercer Middlesex Monmouth Morris Ocean Passaic Salem Somerset Sussex Union Warren New Mexico Bernalillo Catron
32 32.001	Nevada Churchill	35.005 35.007	Chaves Colfax
32.001	Clark	35.009	Curry

	32.005 32.007	Douglas Elko	35.011 35.013	De Baca Dona Ana	
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	32.009 32.011 32.013 32.015		35.015 35.017 35.019 35.021	Guadalupe Harding	
	35.023 35.025 35.027 35.029 35.031 35.033 35.035 35.037 35.039 35.041 35.043 35.045 35.047 35.051 35.053 35.055 35.057 35.059 35.057 35.059 36.001 36.003 36.005 36.007 36.009 36.011 36.013	Luna McKinley Mora Otero Quay Rio Arriba Roosevelt Sandoval San Juan San Miguel Santa Fe Sierra Socorro Taos Torrance Union Valencia New York Albany Allegany Bronx Broome Cattaraugus Cayuga Chautauqua Chemung	36.065 36.067 36.069 36.071 36.073 36.075 36.079 36.081 36.085 36.085 36.085 36.097 36.099 36.091 36.099 36.101 36.103 36.105 36.105 36.107 36.111 36.113 36.115 36.117 36.119 36.121	Oneida Onondaga Ontario Orange Orleans Oswego Otsego Putnam Queens Rensselaer Richmond Rockland St. Lawrence Saratoga Schenectady Schoharie Schuyler Seneca Steuben Suffolk Sullivan Tioga Tompkins Ulster Warren Washington Wayne Westchester Wyoming Yates	
	36.017 36.019 36.021 36.023 36.025 36.027 36.029 36.031 36.033 36.035 36.037	Columbia Cortland Delaware Dutchess	37.001 37.003 37.005 37.007 37.009 37.011 37.013 37.015 37.017 37.019 37.021	Alleghany Anson Ashe Avery Beaufort Bertie Bladen Brunswick	

	36.045 36.047 36.049	Kings	37.023 37.025 37.027 37.029 37.031 37.033	Cabarrus Caldwell Camden	
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		Madison		Catawba	
		Monroe		Chatham	
		Montgomery	37.039	Cherokee	
		Nassau New York	37.041		
		Niagara	37.045	<del>-</del>	
	30.003	Niagara	37.043	Cleveland	
	27 047	C. Lumbur	27 155	D - l	
		Columbus	37.155		
		Craven	37.157 37.159		
		Cumberland Currituck	37.139		
		Dare	37.161		
		Davidson	37.165	<u>=</u>	
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		Edgecombe	37.173	<del>_</del>	
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		Graham	37.183		
		Granville	37.185		
		Creene	37.187	Washington	
	37.081	Guilford	37.189	Watauga	
	37.083	Halifax	37.191	Wayne	
	37.085	Harnett	37.193	Wilkes	
	37.087	Haywood	37.195		
	37.089	Henderson	37.197	Yadkin	
	37.091	Hertford	37.199	Yancey	
	37.093	Hoke	38	North Dakota	
	37.095	Hyde	38.001	Adams	
	37.097	Iredell	38.003		
	37.099	Jackson	38.005		
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	37.103	Jones	38.009		
	37.105	Lee	38.011		
	37.107	Lenoir	38.013		
	37.109	Lincoln	38.015	Burleigh	
	37.111	McDowell	38.017		
	37.113	Macon	38.019		
	37.115	Madison	38.021	-	
	37.117	Martin	38.023	Divide	

37.119 37.121 37.123 37.125 37.127 37.129 37.131 37.133 37.135 37.135	Mitchell Montgomery Moore Nash New Hanover Northampton Onslow Orange	38.0 38.0 38.0 38.0 38.0 38.0 38.0 38.0	27 Eddy 29 Emmons 31 Foster 33 Golden Valley 35 Grand Forks 37 Grant 39 Griggs 41 Hettinger
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37.141	Perquimans Person Pitt Polk Randolph	38.0 38.0 38.0 38.0 38.0 38.0	147 Logan 149 McHenry 151 McIntosh 153 McKenzie 155 McLean 157 Mercer
38.061 38.063 38.065 38.067 38.069 38.071 38.073 38.075 38.077 38.079 38.081 38.083 38.085 38.087 38.089 38.091 38.091 38.093 38.095 38.097 38.099 38.101 38.103 38.105 39 39.001 39.003 39.005 39.007 39.009	Nelson Oliver Pembina Pierce Ramsey Ransom Renville Richland Rolette Sargent Sheridan Sioux Slope Stark Steele Stutsman Towner Traill Walsh Ward Wells Williams Ohio Adams Allen Ashland Ashtabula	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	Hancock Hardin Harrison Henry Highland Hocking Huron Jackson Hay Lake Hawrence Highland Harrison Huron Huron Huron Harrison Harrison Huron Harrison

	39.017 39.019 39.021 39.023 39.025 39.027 39.029 39.031 39.033	Carroll Champaign Clark Clermont Clinton Columbiana Coshocton Crawford	39.121 39.123 39.125 39.127 39.129 39.131 39.133 39.135 39.137 39.139	Perry Pickaway Pike Portage Preble Putnam Richland Ross	
	39.037	Cuyahoga Darke Defiance	39.143 39.145 39.147	Sandusky Scioto Seneca	
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	39.043 39.045 39.047 39.049 39.051	Delaware Erie Fairfield Fayette Franklin Fulton Gallia	39.149 39.151 39.153 39.155 39.157 39.159 39.161	Shelby Stark Summit Trumbull Tuscarawas Union Van Wert	
	39.055 39.057 39.059	Geauga Greene Guernsey	39.163 39.165 39.167	Vinton Warren Washington	
	40 40.001 40.003 40.005 40.007 40.009 40.011 40.013 40.015 40.017 40.019 40.021 40.023 40.025 40.027	Williams Wood Wyandot Oklahoma Adair Alfalfa Atoka Beaver Beckham Blaine Bryan Caddo Canadian Carter Cherokee Choctaw Cimarron Cleveland	40.113 40.115 40.117 40.121 40.123 40.125 40.127 40.129 40.131 40.133 40.135	Muskogee Noble Nowata Okfuskee Oklahoma Okmulgee Osage Ottawa Pawnee Payne Pittsburg Pontotoc Pottawatomie Pushmataha Roger Mills Rogers Seminole Sequoyah	
	40.029 40.031 40.033 40.035 40.037	Coal Comanche Cotton Craig Creek	40.137 40.139 40.141 40.143 40.145	Stephens Texas Tillman Tulsa Wagoner	

	40.051 40.053 40.055 40.057 40.059 40.061 40.063 40.065 40.067	Custer Delaware Dewey Ellis Garfield Garvin Grady Grant Greer Harmon Harper Haskell Hughes Jackson Jefferson Johnston Kay Kingfisher	40.147 40.149 40.151 40.153 41 41.001 41.005 41.007 41.009 41.011 41.013 41.015 41.017 41.019 41.021 41.023 41.025	Washita Woods Woodward Oregon Baker Benton Clackamas Glatsop Columbia Coos Crook Curry Deschutes Douglas	
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	40.075 40.077 40.079 40.081 40.083 40.085 40.087 40.089 40.091 40.093 40.095 40.097	Kiowa Latimer Le Flore Lincoln Logan Love McClain McCurtain McIntosh Major Marshall Mayes	41.027 41.029 41.031 41.033 41.035 41.037 41.041 41.043 41.045 41.047	Jackson Jefferson Josephine Klamath Lake Lane Lincoln Linn Malheur	
	41.051 41.053 41.055 41.057 41.069 41.063 41.065 41.067 41.069 41.071 42 42.001 42.003 42.005 42.007 42.009 42.011	Multnomah Polk Sherman Tillamook Umatilla Union Wallowa Wasco Washington Wheeler Yamhill Pennsylvania Adams Allegheny Armstrong Beaver Bedford Berks	42.085 42.087 42.089 42.091 42.095 42.097 42.099 42.101 42.103 42.105 42.107 42.109 42.111 42.113 42.115 42.117	Mercer Mifflin Monroe Montgomery Montour Northampton Northumberland Perry Philadelphia Pike Potter Schuylkill Snyder Somerset Sullivan Susquehanna Tioga Union	

	42.017 42.019 42.021 42.025 42.027 42.029 42.031 42.035 42.037 42.039 42.041 42.043 42.045 42.047 42.049 42.051 42.053	Bradford Bucks Butler Cambria Cameron Carbon Centre Chester Clarion Clearfield Clinton Columbia Crawford Cumberland Dauphin Delaware Elk	42.123 42.125 42.127 42.129 42.131 42.133 43 44 44.001 44.003 44.005 44.007 44.009 45 45.001 45.001 45.003 45.005 45.007	Westmoreland Wyoming York Puerto Rico (No coordinates) Rhode Island Bristol Kent Newport Providence Washington South Carolina Abbeville	
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	42.059 42.061 42.063 42.065 42.067 42.071 42.073 42.075 42.077 42.081 42.083  45.041 45.043 45.045 45.049 45.051 45.053 45.055 45.057	Jefferson Juniata Lackawanna Lancaster Lawrence Lebanon Lehigh Luzerne Lycoming McKean  Florence Georgetown Greenville Greenwood Hampton Horry Jasper Kershaw Lancaster Laurens Lee	45.015 45.017 45.019 45.021 45.023 45.025 45.027 45.029 45.031 45.033 45.035 45.037 45.039	Hamlin Hand Hanson Harding Hughes Hutchinson Hyde Jackson Jerauld Jones	

	45.065	McCormick	46.081	Lawrence	
	45.067	Marion	46.083	Lincoln	
		Marlboro	46.085	Lyman	
	45.071		46.087	McCook	
	45.073	=	46.089	McPherson	
	45.075		46.091	Marshall	
	45.077		46.093	Meade	
	45.079		46.095	Mellette	
	45.081		46.097	Miner	
	45.083		46.099	Minnehaha	
	45.085	Sumter	46.101	Moody	
	45.087		46.103	Pennington	
	45.089	<u> </u>	46.105	Perkins	
	45.091	York	46.107	Potter	
	46	South Dakota	46.109	Roberts	
	46.003	Aurora	46.111	Sanborn	
	46.005	Beadle	46.113	Shannon	
	46.007	Bennett	46.115	Spink	
		Bon Homme	46.117	Stanley	
	46.011		46.119	Sully	
	46.013	<del>_</del>	46.121	Todd	
	46.015		46.123	Tripp	
		Buffalo	46.125	Turner	
	46.019		46.127	Union	
		Campbell Charles Miss	46.129	Walworth	
	46.023	Charles Mix	46.135	Yankton	
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	46.033		47.005	Benton	
	46.035	Davison	47.007	Bledsoe	
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	46.039		47.011	Bradley	
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	46.043	-	47.015		
	46.045		47.017	Carroll	
	46.047		47.019	Carter	
	46.049		47.021	Cheatham	
	46.051		47.023	Chester	
	46.053		47.025	Claiborne	
	46.055	Haakon	47.027	Clay	
	47.029	Cocke	47.137	Pickett	
	47.023		47.139	Polk	
	47.031		47.139	Putnam	
	47.035 47.037		47.143	Rhea	
	41.03/	Davidoui	47.145	Roane	
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	47.039	Decatur	47.147	Robertson	

47.041	De Kalb	47.149	Rutherford	
47.043	Dickson	47.151	Scott	
47.045	Dyer	47.153	Sequatchie	
47.047	Fayette	47.155		
47.049	Fentress	47.157		
	Franklin	47.159	——————————————————————————————————————	
	Gibson	47.161		
47.055		47.163		
47.057	Grainger	47.165	Sumner	
47.059	Greene	47.167	Tipton	
47.061	Grundy	47.169	Trousdale	
47.063	Hamblen	47.171	Unicoi	
47.065	Hamilton	47.173	Union	
	Hancock	47.175	Van Buren	
	Hardeman			
		47.177	Warren	
	Hardin	47.179	-	
	Hawkins	47.181	Wayne	
47.075	Haywood	47.183	Weakley	
47.077	Henderson	47.185	White	
47.079	Henry	47.187	Williamson	
47.081	Hickman	47.189	Wilson	
47.083	Houston	48	Texas	
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47.087	Jackson		Andrews	
47.089	Jefferson		Angelina	
	Johnson		=	
47.091		48.007		
47.093	Knox		Archer	
47.095	Lake	48.011	_	
47.097	Lauderdale	48.013	Atascosa	
47.099	Lawrence	48.015	Austin	
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47 101	Tani	40 017	D - 4 1	
47.101	Lewis	48.017	Bailey	
47.103	Lincoln	48.019	Bandera	
47.105	Loudon	48.021	Bastrop	
47.107	McMinn	48.023	Baylor	
47.109	McNairy	48.025	Bee	
47.111	Macon	48.027	Bell	
47.113	Madison	48.029	Bexar	
47.115	Marion	48.031	Blanco	
47.117	Marshall	48.033	Borden	
47.119	Maury	48.035	Bosque	
47.121	Meigs	48.037	Bowie	
47.123	Monroe	48.039	Brazoria	
47.125	Montgomery	48.041	Brazos	
47.127	Moore	48.043	Brewster	
47.129	Morgan	48.045	Briscoe	
47.131	Obion	48.047	Brooks	
47.133	Overton	48.049	Brown	
47.135	Perry	48.051	Burleson	
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	48.053	Burnet	48.1	161	Freestone	
	48.055		48.1		Frio	
	48.057		48.1		Gaines	
	48.059	Callahan	48.1		Galveston	
	48.061	Cameron	48.1		Garza	
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	48.065	Carson	48.1		Glasscock	
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	48.069	Castro	48.1		Gonzales	
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	48.075	Childress	48.1		Gregg	
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	48.079	Cochran	48.1		Guadalupe	
	48.081	Coke	48.1		Hale	
	48.083	Coleman	48.1		Hall	
	48.085	Collin	48.1	L93	Hamilton	
	48.087	Collingsworth	48.1	L95	Hansford	
	48.089	Colorado	48.1	L97	Hardeman	
	48.091	Comal	48.1	L99	Hardin	
	48.093	Comanche	48.2		Harris	
	48.095	Concho	48.2		Harrison	
	48.097	Cooke	48.2		Hartley	
	48.099	Coryell	48.2		Haskell	
	48.101	Cottle	48.2		Hays	
	48.103	Crane	48.2		Hemphill	
					Henderson	
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	48.107	Crosby	48.2		Hidalgo	
	48.109	Culberson	48.2		Hill	
	48.111	Dallam	48.2		Hockley	
	48.113	Dallas	48.2		Hood	
	48.115	Dawson	48.2		Hopkins	
	48.117	Deaf Smith	48.2		Houston	
	48.119	Delta	48.2	227	Howard	
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	48.121	Denton	48.2	229	Hudspeth	
	48.123	De Witt	48.2		Hunt	
	48.125	Dickens	48.2		Hutchinson	
	48.127	Dimmit	48.2		Irion	
	48.129	Donley	48.2		Jack	
	48.131	Duval	48.2		Jackson	
	48.133	Eastland				
			48.2		Jasper	
	48.135	Ector	48.2		Jeff Davis	
	48.137	Edwards	48.2		Jefferson	
	48.139	Ellis	48.2		Jim Hogg	
	48.141	El Paso	48.2		Jim Wells	
	48.143	Erath	48.2		Johnson	
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	48.147	Fannin	48.2		Karnes	
	48.149	Fayette	48.2		Kaufman	
	48.151	Fisher	48.2	259	Kendall	

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	Fort Bend		65 Kerr	
	Franklin		67 Kimble	
48.269			77 Presidio	
	Kinney		79 Rains	
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48.275	Knox		33 Reagan	
48.277	Lamar		Real	
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48.283	Lampasas La Salle		91 Refugio	
48.285	Lavaca		93 Roberts	
48.287	Lee	48.3		
48.289	Leon	48.3		
48.291	Liberty	48.3		
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48.297	Live Oak	48.4		
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48.323	Maverick	48.4		
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43				
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		Palo Pinto	48.471		
	48.365		48.473		
	48.367	Parker	48.475	Ward	
	48.369	Parmer	48.477	Washington	
	48.371	Pecos	48.479	Webb	
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	48.375	Potter	48.483	Mueerer	
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	48.489	Willacy	50.027	Windsor	
	48.491	Williamson	51	Virginia	
		Wilson	51.001		
		Winkler		Albemarle	
	48.497	Wise	51.005		
	48.499	Wood	51.007	Amelia	
	48.501	Yoakum	51.009	Amherst	
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	49.019	Grand	51.036	Charles City	
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		Juab	51.041		
		Kane	51.043		
	49.027	Millard	51.045	Craig	
	49.029	Morgan	51.047	Culpeper	
	49.031	Piute	51.049	Cumberland	
	49.033	Rich	51.051	Dickenson	
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1	_	4.4			
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	49.035	Salt Lake	51.053	Dinwiddie	
	49.037	San Juan	51.057	Essex	
	49.039	Sanpete	51.059	Fairfax	
	49.041	Sevier	51.061	Fauquier	
	49.043	Summit	51.063	Floyd	
	49.045	Tooele	51.065	Fluvanna	
	49.047	Uintah	51.067	Franklin	
	49.049	Utah	51.069	Frederick	

48.465 Val Verde

48.357 Ochiltree

50.007 50.009 50.011 50.013 50.015 50.017	Wasatch Washington Wayne Weber Vermont Addison Bennington Caledonia Chittenden Essex Franklin Grand Isle Lamoille Orange Orleans Rutland	51.077 51.079 51.081 51.083 51.085 51.087 51.089 51.091 51.093 51.095	Goochland Grayson Greene Greensville Halifax Hanover Henrico Henry Highland Isle Of Wight James City King And Queen King George	
51.103	Lancaster	51.590	Danville	
51.105	Lee		Emporia	
51.103	Loudoun		Fairfax	
51.107	Louisa		Falls Church	
51.111	Lunenburg		Franklin	
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51.139	Page	51.710	-	
51.141	Patrick	51.720		
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51.145	Powhatan		Poquoson	
51.147	Prince Edward	51.740	Portsmouth	
51.149	Prince George	51.750	Radford	
51.153	Prince William	51.760	Richmond	
51.155	Pulaski	51.770	Roanoke	
51.157	Rappahannock	51.775	Salem	
51.159	Richmond	51.780	South Boston	
51.161	Roanoke	51.790	Staunton	
51.163	Rockbridge	51.800	Suffolk	
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51.165	Rockingham	51.810	Virginia Beach	
51.167	Russell	51.820	Waynesboro	
51.169	Scott	51.830	Williamsburg	
51.171	Shenandoah	51.840	Winchester	

51.173	Smyth	52	Virgin Islands
51.175	Southampton	53	(No coordinates) Washington
51.177	Spotsylvania Stafford		-
51.179		53.001	
51.181	Surry	53.003	
51.183	Sussex	53.005	
51.185	Tazewell	53.007	
51.187	Warren	53.009	
51.191	Washington	53.011	
51.193	Westmoreland		Columbia
51.195	Wise	53.015	
51.197	Wythe	53.017	
51.199	York	53.019	
	Alexandria	53.021	
	Bedford	53.023	
	Bristol	53.025	
	Buena Vista	53.027	
	Charlottesville	53.029	
51.550	Chesapeake	53.031	
51.560	Clifton Forge	53.033	
	Colonial Heights	53.035	
51.580	Covington	53.037	Kittitas
	Klickitat	54.067	
53.041		54.069	
	Lincoln	54.071	Pendleton
53.045	Mason		Pleasants
	Okanogan	54.075	Pocahontas
	Pacific	54.077	
53.051	Pend Oreille	54.079	
	Pierce	54.081	
53.055	San Juan	54.083	<del>-</del>
53.057	Skagit	54.085	Ritchie
53.059	Skamania	54.087	Roane
53.061	Snohomish	54.089	Summers
53.063	Spokane	54.091	Taylor
53.065	Stevens	54.093	Tucker
53.067	Thurston	54.095	Tyler
53.069	Wahkiakum	54.097	Upshur
53.071	Walla Walla	54.099	Wayne
53.073	Whatcom	54.101	Webster
53.075	Whitman	54.103	Wetzel
53.077	Yakima	54.105	Wirt
54	West Virgtinia	54.107	Wood
54.001	Barbour	54.109	Wyoming
54.003	Berkeley	55	Wisconsin
54.005	Boone	55.001	Adams
54.007	Braxton	55.003	Ashland
54.009	Brooke	55.005	Barron
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54.011 54.013 54.015 54.017 54.019 54.021 54.023 54.025 54.027 54.029 54.031 54.033 54.035 54.037 54.039 54.041 54.043 54.045 54.047 54.049 54.051 54.053 54.055 54.057 54.061 54.063 54.065	Cabell Calhoun Clay Doddridge Fayette Gilmer Grant Greenbrier Hampshire Hancock Hardy Harrison Jackson Jefferson Kanawha Lewis Lincoln Logan McDowell Marion Marshall Mason Mercer Mineral Mingo Monongalia Monroe Morgan
55.063 55.065 55.067 55.069 55.071 55.073 55.075 55.077 55.078 55.081 55.083 55.085 55.089 55.089 55.091 55.093 55.095 55.097 55.101 55.103 55.105	La Crosse Lafayette Langlade Lincoln Manitowoc Marathon Marinette Marquette Menominee Milwaukee Monroe Oconto Oneida Outagamie Ozaukeee Pepin Pierce Polk Portage Price Racine Richland Rock Rusk

55.035 55.037 55.039 55.041 55.043 55.045 55.047 55.049 55.051 55.053	Brown Buffalo Burnett Calumet Chippewa Clark Columbia Crawford Dane Dodge Door Douglas Dunn Eau Claire Florence Fond Du Lac Forest Grant Creen Creen Lake Iowa Iron Jackson Jefferson Juneau Kenosha
56.027 56.029 56.031 56.033 56.035	Natrona Niobrara Park Platte Sheridan Sublette Sweetwater Teton Uinta Washakie Weston

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55.109 St. Croix
55.111 Sauk
55.113 Sawyer
55.115 Shawano
55.117 Sheboygan
55.119 Taylor
55.121 Trempealeau
55.123 Vernon
55.125 Vilas
55.127 Walworth
55.129 Washburn
55.131 Washington
55.133 Waukesha
55.135 Waupaca
55.137 Waushara
55.139 Winnebago
55.141 Wood
56
       Wyoming
56.001 Albany
56.003 Big Horn
56.005 Campbell
56.007 Carbon
56.009 Converse
56.011 Crook
56.013 Fremont
56.015 Goshen
56.017 Hot Springs
56.019 Johnson
56.021 Laramie
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56.023 Lincoln