# UNITED STATES SIGNAL SERVICE.



## INDEX OF METEOROLOGICAL OBSERVATIONS *made in the state of* ILLINOIS *from the earliest records to January 1, 1890.*

| Number and class. | County and station. | Latitude. | | Longitude. | | Elevation above sea-level. | Record. Length. | | From— | To—inclusive. | T. or R. missing. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | STEPHESON. | | | | | | | | | | | |
| W S | Cedarville | 42 | 24 | 89 | 36 | | 3 | 9x | Jan'86 | Sep'89 | | Temp.(max.min.)Wind & Rain. |
| | WINNEBAGO. | | | | | | | | | | | |
| W S | Durand | 42 | 26 | 89 | 19 | | 2 | 5x | Oct'78 | Mar'81 | | Temp, Wind & Rain. |
| V O | Rockford | 42 | 15 | 89 | 05 | 732 | 1 | 2 | Nov'72 | Dec'73 | | Smithsonian Collection. |
| V O | " | | | | | | 16 | 0 | Jan'74 | | | Bar. Temp. Wind, Clds., & Rain. |
| V O | Winnebago | 42 | 17 | 89 | 12 | 900 | 13 | 7x | Mar'57 | Dec'70 | | Smithsonian Collection. |
| W S | " | | | | | | 1 | 9 | Apl'88 | | | Temp., Wind & Rain. |
| | BOONE. | | | | | | | | | | | |
| V O | Belvidere | 42 | 16 | 88 | 44 | 810 | 3 | 9x | Jan'68 | Mar'72 | | Smithsonian Collection. |
| V O | " | | | | | | 4 | 2x | Jan'75 | Mar'81 | | Temp., Wind, Clds., & Rain. |
| W S | " | | | | | | 4 | 3x | Apl'79 | | | Temp.(max.min.) & Rain. (Table of temp.& Rain Jan'68 to Dec. '78--11 yrs. in Data Book). |
| | MC HENRY. | | | | | | | | | | | |
| V O | Marengo | 42 | 15 | 88 | 37 | | 16 | 10x | Apl'56 | Dec'74 | | Sm. Col. |
| V O | " | | | | | | 16 | 0 | Jan'74 | | | Temp.Wind, Clds., Rain (Obseva-tions at Marengo combined with those made at Riley making a table of Rain 1850 to 1887 and Temp.1856 to 1887 incl.). |
| | SAME LAT LON AS RILEY | | | | | | | | | | | |
| V O | Woodstock | 42 | 16 | 88 | 26 | | 1 | 0x | Sep'59 | Apl'61 | R | Smithsonian Collection. |
| W S | " | | | | | | 1 | 7x | Dec'86 | | | Temp.(max.min.) Wind & Rain. |
| V O | " | | | | | | | 1 | Dec'89 | | | " " " |
| | LAKE. | | | | | | | | | | | |
| V O | Fremont Centre | 42 | 18 | 88 | 06 | 736 | I | 3 | Jan'57 | Mar'58 | R | Smithsonian Collection. |
| W S | Lake Forest | 42 | 21 | 87 | 50 | 593 | 3 | 8 | May'86 | | | Temp.(max.min.) wind & Rain. |
| M D | Fort Sheridan | | | | | | 1 | 1 | Dec'88 | | | Temp.(max.min.) Rain. |
| V O | Waukegan | 42 | 21 | 87 | 55 | 646 | | 3 | Mar'49 | May'49 | R | Smithsonian Collection. |
| W S | " | | | | | | 1 | 4x | Jan'86 | May'87 | | Bar.Temp.Wind, & Rain. |
| | CARROLL. | | | | | | | | | | | |
| W S | Lanark | 42 | 07 | 89 | 51 | | 2 | 7x | May'87 | | | Temp.(max.min.) Wind & Rain. |

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|---|---|---|---|---|---|---|---|---|---|---|
| | OGLE. | ° ′ | ° ′ | | | | | | | |
| W S | Mt. Morris | 42 03 | 89 27 | | | 9x | May'87 | Mar'88 | | |
| V O | " * " | | | | 1 | 7 | Apl'38 | Oct'89 | | |
| W S | Polo | 42 00 | 89 37 | | | 10x | Jul'82 | Sep'83 | | Temp. Wind, & Rain. |
| V O | " | | | | 1 | 8x | Oct'82 | Jun'84 | | Temp., Wind, Clds., & Rain. |
| | DE KALB. | | | | | | | | | |
| V O | Sandwich | 41 31 | 88 32 | 690 | 14 | 0x | Dec'58 | Aug'74 | | Smithsonian Collection. |
| V O | " | | | | 9 | 9x | Jan'74 | | | Bar. Temp. (max.min.) Hyg. Wind, Clouds and Rain. |
| V O | Somonauk | 41 31 | 88 40 | 680 | 1 | 3x | Feb'75 | Oct'76 | | Bar. Temp. Wind, Clds. & Rain. |
| V O | Sycamore | 42 00 | 88 42 | 800 | 5 | 5x | Apl'84 | | | Temp. (max.min.) Wind & Rain. |
| V O | " | | | | 5 | 8 | May'81 | Dec'86 | | Summary of Temp. & Rain. |
| | KANE. | | | | | | | | | |
| V O | Aurora | 41 47 | 88 08 | 676 | 10 | 1x | Oct'57 | Dec'73 | | Smithsonian Collection. |
| W S | " | | | | 9 | 0x | Jul'79 | Aug'88 | | Bar. Temp. (max.min.) Wind, Rain. |
| V O | " | | | | | 5x | Sep'88 | | R | Temp. (max.min.). |
| V O | Batavia | 41 52 | 88 16 | 636 | 3 | 9x | Jan'54 | Feb'61 | | Smithsonian Collection. |
| V O | Elgin | 42 03 | 88 16 | 777 | 4 | 1x | Jan'58 | Jul'62 | | Smithsonian Collection. |
| W S | " | | | | 3 | 1x | May'78 | Jan'82 | | Bar. Temp. (max.min.) Wind, Rain. |
| | DU PAGE. | | | | | | | | | |
| V O | Wheaton | 41 53 | 88 05 | 682 | 2 | 8x | Dec'57 | Aug'61 | | Smithsonian Collection. |
| W S | " | | | | 1 | 5x | Jan'86 | | | |
| | COOK. | | | | | | | | | |
| V O | Chicago | 41 52 | 87 38 | 715 | 21 | 4x | Jul'32 | Dec'74 | | Sm. Col. Obs. made at Fort Dearborn, Jul'32 to Dec'36). |
| V O | " | | | | 1 | 9x | Jan'74 | Nov'75 | | Temp. Wind, Clds. Rain. |
| S S | " | | | | 19 | 2 | Nov'70 | | | 2d Order station. |
| V O | Evanston | 42 03 | 87 41 | 644 | 6 | 11x | Feb'58 | Oct'73 | | (NW. University) Sm. Col. |
| S S | " | | | | | 11 | Sep'75 | Jul'76 | | 2d Order station. |
| V O | Monroe city | 42 08 | 87 55 | 600 | 1 | 5 | '49 | '50 | R | Mean monthly Temp. Sm. Col. |
| V O | S. Evanston | 42 02 | 87 41 | 599 | 4 | 9x | Feb'85 | | | Temp. (max.min.) Rain |
| | WHITESIDE. | | | | | | | | | |
| V O | Lyndon | 41 43 | 89 55 | 540 | 4 | 11x | Jul'74 | Apl'80 | | (Como) Temp. Wind, Clds. Rain. |
| V O | Morrison, | 41 46 | 89 58 | 670 | 3 | 3x | Jun'80 | May'84 | | Temp. Wind, Clds. Rain. |
| V O | Sterling | 41 44 | 89 53 | 550 | 3 | 8x | Mar'77 | Mar'81 | | " " " " |
| W S | " | | | | 1 | 5x | Dec'86 | Apl'89 | | Temp. Wind, Rain. |

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|---|---|---|---|---|---|---|---|---|---|
| | LEE. | ° ′ | ° ′ | | | | | | |
| V O | Alto(Rochelle) | 41 45 | 89 00 | | 5 0x | Jul'66 | Jul'71 | | Temp and 2 mos. of rain. Sm. Col. |
| W S | Prairieville | 41 50 | 89 38 | 725 | 6 6x | Jan'81 | Dec'87 | | Bar. Temp. (max. min.) Wind, Rain. |
| | KENDALL. | | | | | | | | |
| W S | Oswego | 41 40 | 88 22 | 670 | 6 | Jul'87 | Dec'87 | | |
| V O | " | | | | 7 11 | Jan'80 | Nov'87 | T | Table of Rainfall. |
| V O | " | | | | 2 0 | Jan'88 | | | Temp. Wind & Rain. |
| | W I L L . | | | | | | | | |
| V O | Joliet | 41 32 | 88 04 | | 8x | Oct'43 | Jul'45 | | Smithsonian Collection. |
| W S | " | | | | 1 11 | Dec'86 | Oct'88 | | Temp. (max. min.) Wind & Rain. |
| V O | Wilton Centre | 41 20 | 87 59 | 600 | 1 3 | Jul'84 | Sep'85 | | Bar. T. (max. min.) Wind, Cld. Rain. |
| | ROCK ISLAND. | | | | | | | | |
| V O | Andalusia | 41 25 | 90 45 | 686 | 11 10x | Mar'57 | Dec'73 | | (Edington). Sm. Col. |
| V O | " | | | | 2 2 | Mar'83 | Apl'85 | | Direction of Wind & Weather. |
| V O | Ft. Armstrong | 41 30 | 90 40 | 528 | 11 6x | Jan'24 | Dec'35 | R | Smithsonian Collection. |
| M D | Rock Id. Arsenal | 41 32 | 90 38 | 528 | 11 8x | Feb'66 | | | Bar. Temp. (max. min.) Wind, Clds. & Rain. Also, stage of water in river. |
| W S | Rock Island | | | | 8x | Jan'84 | Dec'84 | | |
| | HENRY. | | | | | | | | |
| V O | Geneseo | 41 27 | 90 06 | | 10 2x | Dec'73 | Sep'87 | | Temp. (max. min.) Wind, Clds and Rain. Table of T & R composed of VO & WS reports to Jan'88, 11 years 6 months. |
| | BUREAU. | | | | | | | | |
| W S | Neponset | 41 20 | 89 50 | | 1 7x | Jan'86 | Sep'87 | | Temp. (max. min.) Rain. |
| V O | Pleasant Ridge Nursery.... | 41 15 | 89 36 | 550 | 10 4x | Aug'63 | Dec'74 | | Post-office Tiskilwa. Temp. & Rain for 2 yr. 4 mos. Sm. Col. |
| V O | " " " | | | | 11x | Jan'74 | Dec'74 | | Temp. Wind, Clds. Rain. |
| V O | Wyanet (near) | 41 30 | 89 45 | 750 | 10 0x | Aug'64 | Dec'74 | | Smithsonian Collection. |
| V O | " | | | | 2 0 | Jan'74 | Dec'75 | | Temp. Wind, Clds. Rain. |
| | LA SALLE. | | | | | | | | |
| V O | Farm Ridge | 41 13 | 88 53 | 600 | 1 0 | Jan'60 | Dec'60 | R | Smithsonian Collection. |
| V O | Ottawa | 41 22 | 88 48 | 500 | 16 8x | Jan'54 | Dec'70 | | " " |
| W S | " | | | | 3 4x | Sep'85 | | | Temp. Wind, Rain. |
| S C | " | | | | 2 6 | Jun'87 | | T | Rainfall station. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | MERCER. | | | | | | | | | | | |
| W S | Aledo | 41 | 12 | 90 | 45 | | 10 | 5x | Jun'74 | May'89 | | Temp. Wind & Rain. |
| | PUTNAM. | | | | | | | | | | | |
| V O | Hennepin | 41 | 22 | 89 | 21 | | 3 | 11 | Jan'70 | Nov'73 | | Smithsonian Collection. |
| V O | " | | | | | | 5 | 3x | Dec'73 | Nov'89 | | Temp, Wind, Clds. Rain. |
| W S | " | | | | | | 2 | 11x | Dec'86 | | | Temp. (max. min.) Wind & Rain. |
| V O | Magnolia | 41 | 15 | 89 | 15 | 500 | 1 | 4x | Nov'66 | Aug'68 | | Smithsonian Collection. |
| | KANKAKEE. | | | | | | | | | | | |
| W S | Kankakee | 41 | 07 | 87 | 05 | | 2 | 5x | Jan'86 | Jul'89 | | Temp. (max. min.) Wind, Rain. |
| | HENDERSON. | | | | | | | | | | | |
| V O | Oquawka | 40 | 57 | 90 | 58 | | 3 | 0 | Jul'70 | Jun'73 | | Smithsonian Collection. |
| V O | " | | | | | | | 4 | Jan'75 | Apl'75 | | Temp. Wind, Clds. Rain. |
| W S | " | | | | | | 2 | 8x | Jan'75 | Feb'89 | | Temp. Wind, Rain. |
| | WARREN. | | | | | | | | | | | |
| W S | Monmouth | 40 | 54 | 90 | 39 | 784 | 4 | 6x | Jan'81 | Feb'89 | | Temp. (max. min.) Wind & Rain. |
| V O | " | | | | | | | 3x | Jul'85 | Nov'87 | | Bar. T. (max. min.) Hyg. Wind, Cld. R. |
| | KNOX. | | | | | | | | | | | |
| V O | Elmore | 40 | 56 | 90 | 04 | 612 | 4 | 9x | Sep'64 | Dec'71 | T | Defective record. Sm. Col. |
| V O | Galesburg | 40 | 45 | 90 | 10 | 786 | 11 | 3x | Jan'61 | Jun'72 | | Smithsonian Collection. |
| V O | " | | | | | | 1 | 4 | Feb'74 | May'75 | R | Temp. (max. min.). |
| W S | | | | | | | | 2 | May'78 | Jun'78 | T | |
| W S | Oneida | 41 | 02 | 90 | 15 | | 4 | 10 | Mar'85 | | | Temp. Wind, Rain. |
| V O | " | | | | | | | 5x | Jul'89 | | | Temp. Wind, Rain. |
| | STARK. | | | | | | | | | | | |
| V O | Elmira | 41 | 10 | 89 | 49 | 505 | 7 | 9x | May'62 | Dec'73 | | Smithsonian Collection. |
| V O | " | | | | | | 9 | 5x | Jan'74 | Jul'83 | | |
| W S | " | | | | | | | 2x | Dec'83 | Dec'86 | | |
| V O | Osceola | 41 | 12 | 89 | 46 | | 1 | 5 | Jan'60 | May'61 | | Smithsonian Collection. |
| W S | Toulon | 41 | 05 | 89 | 52 | | 1 | 1 | Dec'86 | Dec'87 | | Temp. Wind, Rain. |
| | MARSHALL. | | | | | | | | | | | |
| W S | Lacon | 41 | 01 | 89 | 26 | | 2 | 8 | Apl'87 | — | | Temp. (max. min.), Wind, Rain. |
| | PEORIA. | | | | | | | | | | | |
| V O | Orchard Farm | 40 | 36 | 89 | 45 | | 4 | 3 | Jan'60 | Mar'64 | | Smithsonian Collection. |

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| | PEORIA. | ° | ′ | ° | ′ | | | | | | | |
| V O | Peoria | 40 | 42 | 89 | 36 | 475 | 18 | 9 | Feb'55 | Nov'73 | | Smithsonian Collection. |
| V O | " | | | | | | 15 | 0x | Dec'73 | Sep'89 | | Bar.T.(max.min.)Hyg.Wind,Clds.R |
| Riv | " | | | | | | 6 | 10x | May'82 | | | River observations.Rain for 6 years but broken. |
| | WOODFORD. | | | | | | | | | | | |
| W S | Minouk -Minonk | 40 | 55 | 89 | 04 | 660 | 1 | 8 | Jan'86 | Aug'87 | | Temp. Wind, Rain. |
| | LIVINGSTON. | | | | | | | | | | | |
| W S | Dwight | 41 | 04 | 88 | 26 | | 2 | 2 | Nov'87 | | | Temp.(max.min.)Wind & Rain. |
| V O | Pontiac | 40 | 54 | 88 | 40 | 600 | | 2 | Oct'78 | Nov'78 | | Temp.Wind,Clds.Rain. |
| W S | " | | | | | | 4 | 2x | Oct'85 | | | Temp.Wind,Rain. |
| | FORD. | | | | | | | | | | | |
| W S | Gibson City | 40 | 30 | 88 | 30 | | 3 | 7x | Aug'85 | | | Temp.(max.min.)Wind,Rain. |
| W S | Melvin | 40 | 35 | 88 | 25 | | 2 | 3 | Aug'85 | Oct'87 | | Temp. Wind,Rain. |
| | IROQUOIS. | | | | | | | | | | | |
| V O | Milford | 41 | 33 | 88 | 40 | | 1 | 0 | Jan'54 | Dec'54 | R | Smithsonian Collection. |
| W S | Watseka | 40 | 48 | 87 | 45 | 640 | 4 | 8 | May'85 | | | Temp,Wind,Rain. |
| | HANCOCK. | | | | | | | | | | | |
| V O | Augusta | 40 | 12 | 90 | 57 | 681 | 29 | 11 | Aug'33 | Dec'73 | | Also a table of annual mean Temp. and total Rainfall for 38 years,1840 to 1877 incl.Sm.C. |
| V O | Augusta | | | | | | 6 | 10x | Dec'73 | Oct'80 | | Temp,Wind,Clds.Rain. |
| V O | Carthage | 40 | 23 | 91 | 17 | | 1 | 11x | Jan'57 | | | |
| V O | Warsaw | 40 | 20 | 91 | 25 | | 13 | 5x | May'40 | Mar'74 | | Smithsonian Collection. |
| V O | " | | | | | | | 3 | Jan'74 | Mar'74 | | (2 1-2 miles E of.).Temp.Wind, Clouds & Rain. |
| Riv | " | | | | | | 14 | 0x | Jul'73 | | | River Obs. Rain for 4 yrs. and 4 months. |
| | MC DONOUGH. | | | | | | | | | | | |
| W S | Prairie City | 40 | 37 | 90 | 25 | 681 | 1 | 8 | Jan'81 | Aug'82 | | Temp.Wind & Rain. |
| | FULTON. | | | | | | | | | | | |
| W S | Canton | 40 | 32 | 90 | 02 | 600 | 2 | 2 | Aug'80 | Sep'82 | | Bar.T.(max.min.)Wind & Rain. |
| W S | Fairview | 40 | 38 | 90 | 10 | | 1 | 1x | Dec'86 | Mar'88 | | Rain. Temp.for 3 months. |

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| | | ° ′ | ° ′ | | | | | | |
| | TAZEWELL. | | | | | | | | |
| W S | Brush Hill | 40 36 | 89 35 | | 1 7x | Feb'88 | Sep'89 | | Temp.Wind & Rain. |
| W S | Hilton | 40 40 | 89 34 | | 3 | Oct'89 | | | |
| V O | Pekin | 40 35 | 89 39 | 465 | 5 10x | Jan'55 | Oct'65 | | Smithsonian Collection. |
| V O | " | | | | 3 6x | Feb'86 | | | Bar.T.(max.min.)Hyg.Wind,Cld.R |
| | MC LEAN. | | | | | | | | |
| V O | Bloomington | 40 50 | 89 00 | 853 | 1 3x | Nov'85 | Mar'87 | | Bar.Temp.Wind,Clds.Rain. |
| W S | Normal | 40 30 | 89 00 | | 1 0x | Jun'82 | Sep'83 | | Temp.Wind,Rain. |
| | MASON. | | | | | | | | |
| V O | Havana | 40 18 | 90 005 | 475 | 3 3x | Sep'70 | Dec'73 | | Smithsonian Collection. |
| V O | " | | | | 4 3 | Jan'74 | Mar'78 | | Temp.Wind,Clds.Rain. |
| W S | " | | | | 1 | Dec'87 | | R | |
| | ADAMS. | | | | | | | | |
| W S | Payson | 39 50 | 91 15 | | 2 0x | Jan'86 | Mar'88 | | Temp.Wind & Rain. |
| V O | Quincy | 39 57 | 91 25 | 650 | 1 11 | May'70 | Mar'72 | | Smithsonian Collection. |
| W S | " | | | | 1 6x | Oct'85 | Oct'89 | | Temp. with 8 months of Rain. |
| V O | York Neck | 40 05 | 91 33 | | 2 0 | Jan'64 | Dec'65 | | Smithsonian Collection. |
| | SCHUYLER. | | | | | | | | |
| W S | Rushville | 40 08 | 90 36 | | 5x | Jan'89 | | | |
| | BROWN. | | | | | | | | |
| V O | Mt. Sterling | 39 58 | 90 47 | 525 | 7 8x | Jan'66 | Nov'73 | | Smithsonian Collection. |
| V O | " " | | | | 6 5x | Mar'74 | Oct'80 | | Temp.Wind,Clds.Rain. |
| | CASS. | | | | | | | | |
| W S | Beardstown | 40 01 | 90 29 | | 5 | Mar'86 | Jul'86 | R | |
| Riv | " | | | | 4 2x | May'85 | | | River and Rainfall observations. |
| V O | " | | | | 1 | Mar'86 | | | Temp.Wind,Clds.Rain. |
| | MENARD. | | | | | | | | |
| V O | Athens | 39 57 | 89 45 | 800 | 15 11x | Jan'43 | Dec'58 | | Smithsonian Collection. |
| W S | Petersburg | 40 02 | 89 52 | | 2 4x | Jul'82 | Apl'89 | | Bar.T.(max.min.)Wind,Rain. |
| | LOGAN. | | | | | | | | |
| W S | Atlanta | 40 17 | 89 16 | | 2 5x | Jun'82 | Dec'84 | | Temp.Wind,Rain. |
| W S | Beason | 40 10 | 89 14 | | 2 9x | Dec'86 | | | Temp.(max.min.)Wind,Rain. |
| | DE WITT. | | | | | | | | |
| V O | Waynesville | 40 16 | 89 07 | | 1 3 | Jan'58 | Mar'59 | | Smithsonian Collection. |

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| | | ° | ′ | ° | ′ | | | | | | | |
| | MACON. | | | | | | | | | | | |
| V O | Decatur | 39 | 51 | 88 | 57 | 685 | 3 | 4x | Aug'68 | Dec'72 | | Smithsonian Collection. |
| V O | " | | | | | | 2 | 11x | Apl'75 | Nov'80 | | Bar.Temp.Hyg.Wind,Clds.Rain. |
| W S | " | | | | | | 1 | 1x | Jan'86 | Aug'87 | | Bar.T.(max.min.) & Rain. |
| V O | Warrensburg | 39 | 55 | 89 | 05 | 680 | 2 | 0 | Jan'72 | Dec'73 | T | Smithsonian Collection. |
| | PIATT. | | | | | | | | | | | |
| W S | Atwood | 40 | 00 | 89 | 00 | | 2 | 9x | May'85 | Aug'89 | | Temp.(max.min.)Wind,Rain. |
| | CHAMPAIGN. | | | | | | | | | | | |
| V O | Champaign | 40 | 08 | 88 | 14 | 767 | 1 | 9x | Dec'72 | Nov'74 | | Smithsonian Collection. |
| W S | " | | | | | | 2 | 2 | Nov'80 | Dec'82 | | Bar.Temp.(max.min.)Hyg.Wind, Clds.Rain. (Ill.Industrial University). |
| V O | " | | | | | | 1 | 2x | Dec'73 | Dec'75 | | Bar.Temp.Wind,Clds.Rain. |
| S S | " | | | | | | 2 | 6 | Oct'80 | Mar'83 | | 2d Order station. |
| W S | Mahomet | 40 | 12 | 88 | 26 | | 1 | 1x | Aug'87 | Feb'89 | | Temp.Wind,Rain. |
| V O | " | | | | | | | 1 | Jan'88 | | | Temp.Wind,Rain. |
| W S | Philo | 39 | 59 | 88 | 08 | 771 | 4 | 9x | Apl'85 | | | |
| V O | " | | | | | | 1 | 9x | Dec'85 | | | Temp.(max.min.)Wind,Clds.Rain. |
| V O | W. Urbana | 40 | 09 | 88 | 17 | 550 | 3 | 0 | Jan'57 | Dec'59 | | Temp. Rain record broken.Sm.Col |
| | VERMILLION, | | | | | | | | | | | |
| W S | Hoopeston | 40 | 29 | 87 | 42 | | 1 | 4 | Jan'78 | May'79 | | |
| | PIKE. | | | | | | | | | | | |
| W S | Griggsville | 39 | 41 | 90 | 40 | 650 | 8 | 0 | Jan'82 | | | Temp.broken. |
| | MORGAN. | | | | | | | | | | | |
| V O | Jacksonville | 39 | 45 | 90 | 18 | 664 | 2 | 3x | Feb'58 | Mar'62 | | Smithsonian Collection. |
| W S | " | | | | | | 2 | 3x | Jul'82 | Dec'88 | | Temp.(max.min.)Wind,Rain. |
| V O | " | | | | | | 1 | 8x | Jan'87 | Dec'88 | | Bar.T.(max.min.)Hyg.Wind,Clds & Rain(Deaf & Dumb Inst.). |
| V O | Waverly | 39 | 36 | 89 | 58 | 680 | 4 | 0 | Jan'62 | Dec'65 | | Temp. Rain record broken.Sm.Col |
| | SCOTT. | | | | | | | | | | | |
| V O | Manchester | 39 | 31 | 90 | 34 | 683 | 17 | 8x | Jul'54 | Nov'73 | | Smithsonian Collection. |
| V O | " | | | | | | | 11 | Jan'74 | Nov'74 | | Bar.Temp.Wind,Clds.Rain. |
| V O | " (near) | | | | | | I | 3x | Feb'72 | Jun'73 | T | Smithsonian Collection. |
| W S | Winchester | 39 | 39 | 90 | 28 | | 1 | 4 | Nov'87 | Feb'89 | | |

X Record broken.

INDEX OF METEOROLOGICAL OBSERVATIONS *made in the state of* ILLINOIS
*from the earliest records to January 1, 1890.*

| Number and class. | County and station. | Latitude. | | Longitude. | | Elevation above sea-level. | Record. Length. | | Record. From— | Record. To—inclusive. | T. or R. missing. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | SANGAMON. | | | | | | | | | | | |
| V O | Loami | 39 | 40 | 89 | 51 | 675 | 3 | 2x | Jan'66 | Dec'69 | | Smithsonian Collection. |
| V O | Springfield | 39 | 48 | 89 | 39 | 644 | 5 | 7x | Jan'65 | Aug'70 | R | But one month missing, Apl'70. Smithsonian Collection. |
| S S | " | | | | | | 10 | 6 | Jul'79 | | | 2d Order station. |
| | CHRISTIAN. | | | | | | | | | | | |
| V O | Pana | 39 | 25 | 89 | 07 | 760 | 2 | 3 | Jun'69 | Aug'71 | | Smithsonian Collection. |
| V O | " | | | | | | 24 | 0 | '64 | '87 | R | Annual max. & min. Temp. |
| W S | " | | | | | | 7 | 5 | Aug'82 | | | Temp, Wind, Rain. |
| | EDGAR. | | | | | | | | | | | |
| V O | Paris | 39 | 38 | 87 | 42 | | | 1 | Sep'68 | | R | Smithsonian Collection. |
| W S | " | | | | | | 2 | 3 | Dec'86 | Feb'89 | | Temp, Wind, Rain. |
| | GREENE. | | | | | | | | | | | |
| W S | Bluffdale | 39 | 22 | 90 | 31 | 593 | 1 | 1 | Jan'86 | Jan'87 | | Temp. Wind, Rain. |
| W S | White Hall | 39 | 27 | 90 | 25 | 480 | 4 | 6x | Dec'84 | | | |
| | JERSEY. | | | | | | | | | | | |
| V O | Jerseyville | 39 | 06 | 90 | 20 | 650 | 1 | 4 | Jan'72 | Apl'73 | | Smithsonian Collection. |
| W S | " | | | | | | | 1 | Dec'86 | | T | |
| | MACOUPIN. | | | | | | | | | | | |
| V O | Brighton | 39 | 00 | 90 | 13 | | 3 | 11 | Apl'55 | Feb'59 | | (Piasa Farm). Temp. Rain record broken. Sm.Col. |
| V O | Bunker Hill | 39 | 02 | 90 | 06 | 700 | 4 | 0x | Aug'82 | Aug'86 | | Bar. Temp. (max. min.) Hyg. Wind, Clds. Rain. (May'86 only missing) |
| | MONTGOMERY. | | | | | | | | | | | |
| V O | Hillsboro | 39 | 12 | 89 | 26 | | | 2 | Feb'58 | Mar'58 | R | Smithsonian Collection. |
| W S | " | | | | | | | 10x | May'78 | Jun'89 | | |
| | SHELBY. | | | | | | | | | | | |
| V O | Windsor | 39 | 35 | 90 | 15 | | 3 | 9x | Aug'85 | Nov'89 | | Bar. T (max. min.) Hyg. Wind, Cld. R. |
| W S | " | | | | | | 1 | 3 | Oct'87 | Dec'88 | | Temp. (max. min.) Wind, Rain. |
| | COLES. | | | | | | | | | | | |
| V O | Charleston | 39 | 29 | 88 | 22 | 700 | 7 | 0x | Jul'81 | | | Temp. (max. min.) Hyg. Wind, Clds. |
| V O | " | | | | | | 1 | 4 | Jan'70 | Apl'71 | | Smithsonian Collection. |
| V O | Mattoon | 39 | 29 | 88 | 24 | 724 | 3 | 2x | Aug'69 | Dec'73 | | Smithsonian Collection. |
| V O | " | | | | | | 8 | 8x | Jan'74 | | | Temp, Wind, Clouds, Rain. |

X Record broken.

# UNITED STATES SIGNAL SERVICE.



## INDEX OF METEOROLOGICAL OBSERVATIONS *made in the state of* ILLINOIS, *from the earliest records to January 1, 1890.*

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | CLARK. | | | | | | | | | | | |
| V O | Martinsville | 39 | 21 | 87 | 54 | 610 | 1 | 6 | Feb'77 | Jul'78 | | Bar.Temp.Wind,Clds.Rain. |
| W S | " | | | | | | 3 | 1x | Mar'86 | | | Temp.Wind & Rain. |
| | FAYETTE. | | | | | | | | | | | |
| V O | Vandalia | 38 | 58 | 89 | 07 | | | 2 | Jun'65 | Jul'65 | R | Smithsonian Collection. |
| W S | " | | | | | | 3 | 7x | Apl'85 | Mar'89 | | Temp. Wind, Rain. |
| | EFFINGHAM. | | | | | | | | | | | |
| W S | Eberle | 38 | 58 | 88 | 30 | | 2 | 2x | Jul'85 | Nov'88 | | Temp.(max.min.)Wind,Rain. |
| | JASPER. | | | | | | | | | | | |
| W S | St. Marie | 38 | 58 | 87 | 57 | | 3 | 7x | Jul'78 | Aug'82 | | Temp.Wind,Rain. |
| | CRAWFORD. | | | | | | | | | | | |
| V O | Palestine | 39 | 05 | 87 | 45 | 500 | 7 | 7 | Jun'82 | | | Temp.(max.min.)Wind,Clds.Rain. |
| | MADISON. | | | | | | | | | | | |
| V O | Alton | 38 | 53 | 90 | 14 | 650 | 1 | 6x | May'49 | Dec'51 | | Smithsonian Collection. |
| V O | Collinsville | 38 | 37 | 90 | 00 | 600 | 6 | 11x | Jan'83 | | | Temp.(max.min.)Wind,Clds.Rain. |
| V O | Highland | 38 | 45 | 89 | 40 | | 15 | 3x | Jan'41 | Mar'64 | | Smithsonian Collection. |
| V O | " | | | | | | | 4 | Mar'79 | Jun'79 | R | Temp. & Wind. |
| V O | Upper Alton | 38 | 57 | 90 | 04 | | 5 | 8x | Jan'54 | Apl'64 | | Smithsonian Collection. |
| V O | " " | | | | | | 7 | 0x | May'49 | Oct'63 | | Also a table of average Rain and mean Temp.for 4y.4 mos.S.C. |
| W S | " " | | | | | | 4 | 5x | Jul'78 | Dec'82 | | Bar.Temp.(max.min.)Wind,Rain. |
| | BOND. | | | | | | | | | | | |
| W S | Greenville | 38 | 55 | 89 | 25 | | 7 | 2x | Jan'82 | | | Temp.(max.min.)Wind,Rain. |
| | CLAY. | | | | | | | | | | | |
| W S | Flora | 38 | 39 | 88 | 30 | | 3 | 10x | Feb'86 | | | Temp.(max.min.)Wind,Rain. |
| V O | Louisville | 38 | 46 | 88 | 30 | | 4 | 9x | Jan'69 | Nov'73 | | Smithsonian Collection. |
| V O | " | | | | | | 7 | 11x | Dec'73 | | | Temp.Wind,Clouds,Rain. |
| | RICHLAND. | | | | | | | | | | | |
| V O | Olney | 38 | 45 | 88 | 07 | | | 2 | Sep'60 | Oct'60 | | Smithsonian Collection. |
| W S | " | | | | | | 3 | 1x | Sep'78 | | | Temp.Wind,Rain. |
| | LAWRENCE. | | | | | | | | | | | |
| W S | Sumner | 38 | 45 | 88 | 52 | | 3 | 5 | Jan'86 | May'89 | | Temp.Wind,Rain. |

X Record broken.

# UNITED STATES SIGNAL SERVICE.



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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | ST. CLAIR. | | | | | | | | | | | |
| V O | Belleville | 38 | 29 | 89 | 58 | 600 | 2 | 0x | May'60 | Dec'62 | R | Smithsonian Collection. |
| V O | Lebanon | 38 | 37 | 89 | 49 | 500 | 1 | 8x | Nov'59 | Jun'62 | | Smithsonian Collection. |
| V O | " | | | | | | | 4 | Jan'75 | Apl'75 | | Temp., Wind, Clds., Rain. |
| W S | Mascoutah | 38 | 30 | 89 | 50 | | 7 | 9x | Jun'81 | | | Temp. (max.min.), Wind, Rain. |
| W S | New Athens | 38 | 16 | 89 | 55 | | 1 | 2 | Nov'87 | Dec'88 | | Temp., Wind, Rain. |
| | CLINTON. | | | | | | | | | | | |
| W S | Carlyle | 38 | 34 | 89 | 27 | | 1 | 8 | Apl'85 | Nov'86 | | Temp. (max.min.), & Rain. |
| W S | Irishtown | | | | | | 4 | 8x | Apl'85 | | | (Near Carlyle). T. (max.min.) Wind and Rain. |
| | MARION. | | | | | | | | | | | |
| V O | Centralia | 38 | 31 | 89 | 08 | | | 2 | Jan'65 | Feb'65 | R | Smithsonian Collection. |
| W S | " | | | | | | 10 | 11x | Jul'78 | | | Temp. (max.min.), Wind, Rain. |
| | MONROE. | | | | | | | | | | | |
| V O | Waterloo | 38 | 20 | 90 | 10 | | 5 | 6x | Mar'65 | Oct'74 | | Smithsonian Collection. |
| V O | " | | | | | | | 1 | Oct'74 | | | Temp., Wind, Clds., Rain. |
| | WASHINGTON. | | | | | | | | | | | |
| V O | Coloma | 38 | 14 | 89 | 16 | 405 | 10 | 0 | Jan'64 | Dec'73 | | (Near Du Bois). Rain. T. broken. |
| V O | " | | | | | | 1 | 5 | Jan'74 | Jun'75 | | Temp., Wind, Clds., Rain. |
| V O | Hoyleton | 38 | 26 | 89 | 17 | 480 | 1 | 4x | Jan'64 | Jun'66 | | Smithsonian Collection. |
| W S | Richview | 38 | 20 | 89 | 10 | 580 | 4 | 5 | Jun'85 | Oct'89 | | Bar. T. (max.min.), Wind, Rain. |
| V O | " | | | | | | | 1 | Feb'88 | | | Bar. Temp. (max.min.), Hyg., Wind, Clouds, Rain. |
| | JEFFERSON. | | | | | | | | | | | |
| W S | Mt. Vernon | 38 | 20 | 88 | 57 | | 1 | 3x | May'78 | Aug'86 | | Temp., Wind, Rain. |
| | WAYNE. | | | | | | | | | | | |
| W S | Fairfield | 38 | 20 | 88 | 20 | 530 | 4 | 6x | Feb'85 | Sep'89 | | Temp. (max.min.), Wind, Rain. |
| | EDWARDS. | | | | | | | | | | | |
| V O | Albion | 38 | 24 | 88 | 04 | | | 1 | Apl'57 | | R | Smithsonian Collection. |
| W S | " | | | | | | 1 | 7x | Jan'87 | Nov'88 | | Temp. (max.min.) Wind, Rain. |
| V O | West Salem | 38 | 30 | 88 | 00 | | 4 | 6x | Jan'56 | Oct'60 | | Smithsonian Collection. |
| | WABASH. | | | | | | | | | | | |
| Riv | Mt. Carmel | 38 | 27 | 87 | 49 | | 5 | 7 | Jun'84 | | T | River & Rainfall observations. |

X Record broken.

# UNITED STATES SIGNAL SERVICE.



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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | ′ | ° | ′ | | | | | | | |
| | RANDOLPH. | | | | | | | | | | | |
| W S | Jordan's Grove | 38 | 14 | 89 | 48 | | 2 | 11x | Jan'87 | — | | Temp., Wind, Rain. |
| | PERRY. | | | | | | | | | | | |
| W S | Old du Quoin | 37 | 58 | 89 | 15 | | 1 | 2 | Jan'88 | Feb'89 | | Temp., Wind, Rain. |
| V O | Swanwick | 38 | 10 | 89 | 31 | | 4 | 9x | Apl'81 | May'86 | | Temp., Wind, Clds., Rain. |
| | FRANKLIN. | | | | | | | | | | | |
| W S | Benton | 38 | 02 | 88 | 56 | | 1 | 11 | Apl'87 | Feb'89 | | Rain complete; Temp., broken. |
| | HAMILTON. | | | | | | | | | | | |
| W S | Mc Leansboro | 38 | 07 | 88 | 35 | | 7 | 11x | Jan'82 | | | Temp. (max. min.), Wind, Rain. |
| | WHITE. | | | | | | | | | | | |
| W S | Grayville | 38 | 17 | 88 | 01 | | 4 | 0x | Jan'79 | Mar'83 | | Temp. (max. min.), Wind, Rain. |
| | JACKSON. | | | | | | | | | | | |
| V O | Carbondale | 37 | 46 | 89 | 14 | 488 | 1 | 10 | Dec'75 | Sep'77 | | Bar., Temp., Hyg., Wind, Cld., Rain. |
| Riv | Grand Tower | 37 | 39 | 89 | 30 | | 4 | 1x | Mar'85 | | T | River & Rainfall observations. |
| W S | Malanda | 37 | 40 | 89 | 15 | 765 | 1 | 3x | Jan'86 | Feb'89 | | Bar., Temp., (max. min.), Wind, R. |
| | UNION. | | | | | | | | | | | |
| V O | Anna | 37 | 30 | 89 | 18 | 625 | 11 | 8 | May'75 | Dec'86 | | Temp., (max. min.), Wind, Clds., Also a table of Rain for 12 yrs., Jan'75 to Dec'86. |
| V O | South Pass | 37 | 28 | 89 | 14 | 650 | 4 | 9x | Dec'57 | Feb'70 | R | Smithsonian Collection. |
| | POPE. | | | | | | | | | | | |
| V O | Golconda | 37 | 23 | 88 | 30 | | 5 | 0 | Jan'66 | Dec'70 | | Smithsonian Collection. |
| W S | " | | | | | | 11 | 6 | Jul'78 | | | Temp., (max. min.), Wind, Rain. |
| | ALEXANDER. | | | | | | | | | | | |
| S S | Cairo | 37 | 00 | 89 | 10 | 359 | 18 | 6 | Jul'71 | | | 2d Order station. River obs. |

X Record broken.

Fragmentary Records of less than a year in length are on file from the Following Stations:

ILLINOIS.

| Station | County | Station | County | Station | County |
|---|---|---|---|---|---|
| Abingdon | Knox | Houston | Randolph | N.Caledonia | Pulaski |
| Ashland | Cass | Hugo | Douglas | Nunda | McHenry |
| Bruce Tw'p. | La Salle | Kampville | Calhoun | Paxton | Ford |
| Camargo | Douglas | Keithsville | Mercer | Piatt | Piatt |
| Camden | Schuyler | King's Mills | Kane | Pulley's Mill | Williamson |
| Carlinville | Macoupin | Lake View | Cook | Ridge Farm | Vermillion |
| Channahon | Will | Larchland | Warren | Ridott | Stephenson |
| Clinton | De Witt | Lawn | Marshall | Riggston | Scott |
| Danville | Vermillion | Lee Centre | Lee | Roberts | Ford |
| SW. corner of | Edgar | Lincoln | Logan | Seneca | La Salle |
| Effingham | Effingham | Litchfield | Montgomery | Shawneetown | Gallatin |
| Elizabethtown | Hardin | Manlius | La Salle | Sweetwater | Menard |
| Ewing | Franklin | Mason City | Mason | Three Mile | Perry |
| Frankford | Pike | Meeker's Store | Union | Urbana | Champaign |
| Friendsville | Wabash | Merritt | Scott | Vermont | Fulton |
| Fulton | Whiteside | Mound City | Pulaski | Vienna | Johnson |
| Galena | Jo Daviess | Mt.Carroll | Carroll | Virden | Macoupin |
| Granville | Putman | Murrayville | Morgan | Wapella | De Witt |
| Harrisburg | Saline | Nachusa Nursery | Lee | Warren | Jo Daviess |
| Henry | Marshall | Naperville | Du Page | Wataga | Knox |
| Hinsdale | Du Page | New Windsor | Mercer | Wheeling | Cook |
| | | | | Willow Creek | Lee |
| | | | | Willow Hill | Jasper. |
| | | | | West Jersey | Stark |