NOAA Atlas 14, Volume 2, Version 3
Location name: Beallsville, Ohio, US*
Latitude: 39.9017°, Longitude: -81.0183°
Elevation: 1071ft*
* source: Google Maps

POINT PRECIPITATION FREQUENCY ESTIMATES

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NOAA, National Weather Service, Silver Spring, Maryland

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PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.333 (0.297-0.374)	0.398 (0.356-0.448)	0.480 (0.429-0.538)	0.544 (0.484-0.609)	0.625 (0.555-0.698)	0.687 (0.608-0.766)	0.746 (0.658-0.831)	0.807 (0.708-0.898)	0.888 (0.774-0.989)	0.948 (0.822-1.06)
10-min	0.517 (0.462-0.581)	0.622 (0.556-0.699)	0.747 (0.666-0.837)	0.840 (0.748-0.940)	0.955 (0.848-1.07)	1.04 (0.921-1.16)	1.12 (0.990-1.25)	1.20 (1.06-1.34)	1.31 (1.14-1.45)	1.38 (1.20-1.54)
15-min	0.634 (0.566-0.712)	0.760 (0.680-0.854)	0.917 (0.818-1.03)	1.03 (0.920-1.16)	1.18 (1.05-1.32)	1.29 (1.14-1.44)	1.40 (1.23-1.55)	1.50 (1.32-1.67)	1.63 (1.42-1.82)	1.73 (1.50-1.92)
30-min	0.839 (0.749-0.943)	1.02 (0.910-1.14)	1.26 (1.12-1.41)	1.43 (1.28-1.61)	1.67 (1.48-1.86)	1.84 (1.63-2.05)	2.02 (1.78-2.24)	2.19 (1.92-2.43)	2.41 (2.10-2.69)	2.59 (2.24-2.88)
60-min	1.02 (0.915-1.15)	1.25 (1.12-1.40)	1.58 (1.41-1.77)	1.83 (1.63-2.04)	2.16 (1.92-2.41)	2.43 (2.15-2.71)	2.69 (2.37-3.00)	2.97 (2.60-3.30)	3.34 (2.91-3.72)	3.63 (3.15-4.05)
2-hr	1.19 (1.07-1.35)	1.45 (1.30-1.64)	1.84 (1.64-2.07)	2.14 (1.90-2.40)	2.56 (2.26-2.86)	2.89 (2.55-3.23)	3.23 (2.84-3.60)	3.59 (3.13-3.99)	4.08 (3.54-4.53)	4.47 (3.85-4.96)
3-hr	1.27 (1.14-1.43)	1.55 (1.38-1.74)	1.95 (1.75-2.20)	2.27 (2.02-2.55)	2.72 (2.41-3.05)	3.08 (2.72-3.44)	3.46 (3.03-3.86)	3.85 (3.36-4.29)	4.40 (3.81-4.89)	4.84 (4.16-5.38)
6-hr	1.52 (1.37-1.71)	1.83 (1.65-2.06)	2.30 (2.06-2.58)	2.67 (2.39-3.00)	3.20 (2.85-3.58)	3.63 (3.22-4.05)	4.10 (3.61-4.55)	4.58 (4.01-5.07)	5.26 (4.56-5.82)	5.83 (5.00-6.42)
12-hr	1.79 (1.62-2.00)	2.15 (1.94-2.40)	2.66 (2.40-2.97)	3.08 (2.77-3.44)	3.69 (3.30-4.10)	4.20 (3.73-4.65)	4.73 (4.18-5.22)	5.30 (4.66-5.83)	6.11 (5.32-6.71)	6.79 (5.86-7.43)
24-hr	2.10 (1.94-2.28)	2.51 (2.32-2.73)	3.07 (2.84-3.34)	3.53 (3.26-3.83)	4.16 (3.83-4.52)	4.68 (4.29-5.07)	5.21 (4.76-5.65)	5.77 (5.24-6.25)	6.55 (5.90-7.09)	7.16 (6.41-7.76)
2-day	2.46 (2.29-2.66)	2.94 (2.73-3.17)	3.56 (3.30-3.84)	4.06 (3.76-4.37)	4.74 (4.38-5.11)	5.29 (4.86-5.69)	5.85 (5.36-6.30)	6.43 (5.86-6.93)	7.21 (6.53-7.78)	7.83 (7.04-8.45)
3-day	2.64 (2.46-2.84)	3.14 (2.93-3.38)	3.79 (3.53-4.07)	4.30 (4.00-4.62)	5.01 (4.64-5.37)	5.57 (5.14-5.97)	6.14 (5.65-6.58)	6.72 (6.15-7.21)	7.51 (6.83-8.07)	8.12 (7.34-8.74)
4-day	2.82 (2.63-3.02)	3.35 (3.13-3.59)	4.02 (3.75-4.30)	4.55 (4.25-4.87)	5.28 (4.90-5.64)	5.85 (5.42-6.25)	6.43 (5.93-6.87)	7.01 (6.45-7.50)	7.81 (7.13-8.36)	8.41 (7.65-9.02)
7-day	3.41 (3.20-3.64)	4.05 (3.79-4.32)	4.83 (4.52-5.15)	5.44 (5.09-5.80)	6.26 (5.84-6.67)	6.91 (6.43-7.37)	7.57 (7.01-8.06)	8.23 (7.59-8.78)	9.11 (8.36-9.73)	9.79 (8.94-10.5)
10-day	3.94 (3.70-4.20)	4.66 (4.37-4.96)	5.50 (5.16-5.85)	6.16 (5.77-6.55)	7.04 (6.58-7.48)	7.72 (7.20-8.20)	8.39 (7.81-8.92)	9.07 (8.40-9.64)	9.96 (9.18-10.6)	10.6 (9.76-11.3)
20-day	5.54 (5.23-5.88)	6.53 (6.16-6.93)	7.60 (7.17-8.06)	8.42 (7.93-8.94)	9.50 (8.93-10.1)	10.3 (9.67-10.9)	11.1 (10.4-11.8)	11.9 (11.1-12.6)	12.9 (11.9-13.7)	13.6 (12.6-14.5)
30-day	6.96 (6.57-7.38)	8.17 (7.72-8.66)	9.42 (8.89-9.99)	10.4 (9.80-11.0)	11.6 (11.0-12.3)	12.6 (11.8-13.3)	13.5 (12.7-14.3)	14.4 (13.5-15.3)	15.5 (14.5-16.5)	16.4 (15.2-17.4)
45-day	8.94 (8.48-9.43)	10.5 (9.91-11.0)	11.9 (11.3-12.5)	13.0 (12.3-13.7)	14.4 (13.6-15.2)	15.5 (14.6-16.3)	16.5 (15.5-17.4)	17.4 (16.4-18.4)	18.6 (17.4-19.6)	19.4 (18.1-20.6)
60-day	10.8 (10.2-11.3)	12.6 (11.9-13.2)	14.2 (13.5-14.9)	15.4 (14.6-16.2)	16.9 (16.0-17.8)	18.0 (17.0-18.9)	19.0 (18.0-20.0)	19.9 (18.8-21.0)	21.1 (19.9-22.2)	21.9 (20.6-23.1)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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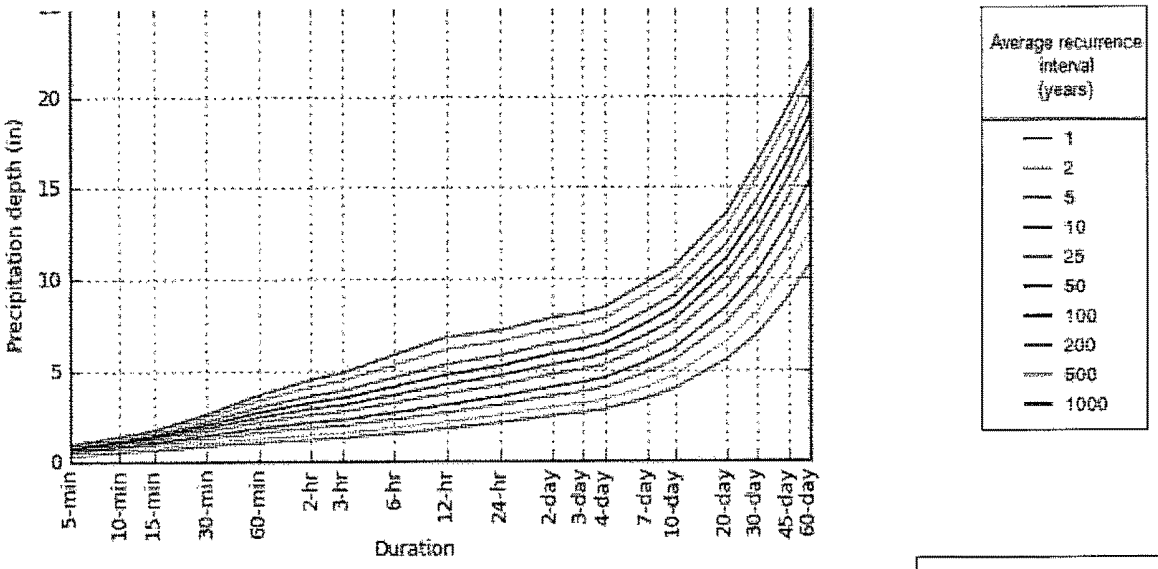
PF graphical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10
15
20
5-min
10-min
15-min
30-min
60-min
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3-hr
6-hr
12-hr
24-hr
2-day
3-day
4-day
7-day
10-day
20-day
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60-day
Duration
Average recurrence interval (years)
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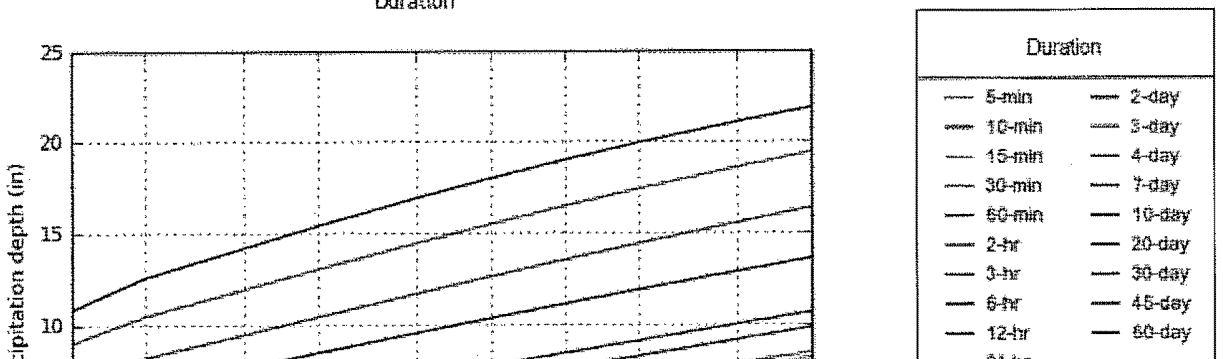
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15
20
25
Duration
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60-min
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20-day
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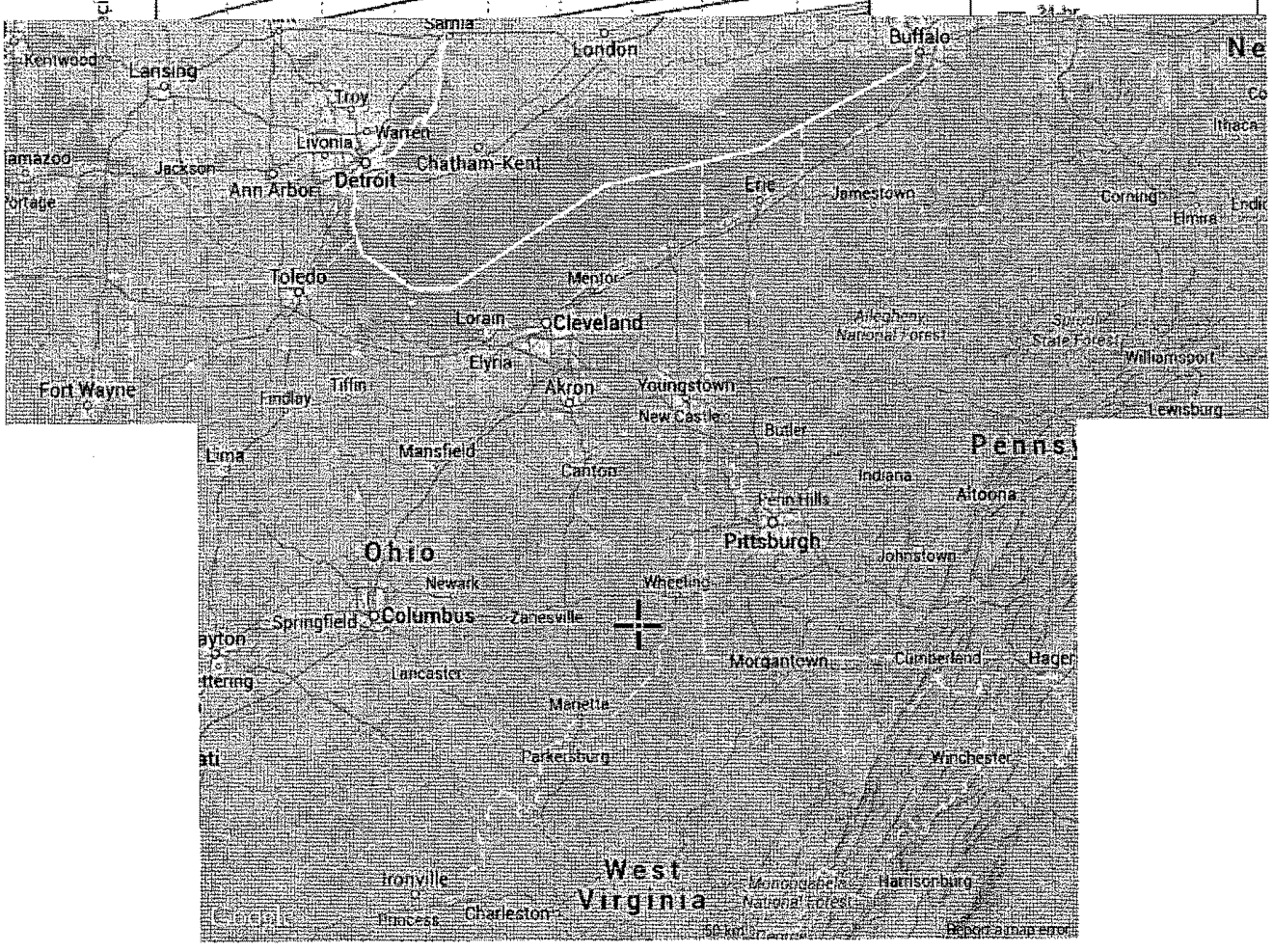
45-day
60-day


Sarnia
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Lansing
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Ithaca
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Mentor
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Akron
Youngstown
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Butler
Allegheny National Forest
Sproul State Forest
Williamsport
Lewisburg
Fort Wayne
Findlay
Tiffin
Lima
Mansfield
Canton
Indiana
Altoona
Perrin Hills
Pittsburgh
Johnstown
Ohio
Newark
Wheeling
Springfield
Columbus
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WHEELING OHIO CO AIRPORT, WV US
WHEELING, WV US

WHEELING, WV US

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	Precipitation Inches	Min Temp °F	Avg Temp °F	Max Temp °F
Annual	40.40	42.6	53.0	63.3
Winter (DJF)	8.74	23.8	32.2	40.6
Spring (MAM)	11.22	39.6	51.2	62.9
Summer (JJA)	11.35	62.1	72.9	83.6
Fall (SON)	9.09	44.8	55.3	65.8

Other ways to access the 1981-2010 Climate Normals

Advanced access to the 1981-2010 Climate Normals through Climate Data Online contains precipitation and temperature Normals as well as supplemental Normals, which include snowfall, heating and cooling degree days, frost/freeze dates, and growing degree days. Locations can be selected on the interactive map by station, zip code, city, county, or state.