



NOAA Atlas 14, Volume 10, Version 3
 Location name: Millbury, Massachusetts, USA*
 Latitude: 42.2134°, Longitude: -71.7553°
 Elevation: 409.28 ft**



* source: ESRI Maps
 ** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

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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	0.342 (0.271-0.426)	0.404 (0.320-0.505)	0.506 (0.399-0.635)	0.590 (0.463-0.745)	0.707 (0.535-0.935)	0.796 (0.588-1.08)	0.887 (0.633-1.25)	0.986 (0.668-1.43)	1.13 (0.731-1.70)	1.24 (0.782-1.91)
10-min	0.484 (0.384-0.604)	0.572 (0.453-0.715)	0.717 (0.565-0.898)	0.837 (0.656-1.06)	1.00 (0.757-1.32)	1.13 (0.833-1.52)	1.26 (0.897-1.77)	1.40 (0.945-2.03)	1.59 (1.03-2.40)	1.75 (1.11-2.70)
15-min	0.569 (0.451-0.710)	0.673 (0.533-0.841)	0.843 (0.665-1.06)	0.984 (0.772-1.24)	1.18 (0.891-1.56)	1.33 (0.979-1.79)	1.48 (1.06-2.08)	1.64 (1.11-2.38)	1.87 (1.22-2.83)	2.06 (1.30-3.18)
30-min	0.773 (0.613-0.965)	0.915 (0.724-1.14)	1.15 (0.905-1.44)	1.34 (1.05-1.69)	1.60 (1.21-2.12)	1.80 (1.33-2.44)	2.01 (1.44-2.83)	2.24 (1.52-3.25)	2.55 (1.66-3.85)	2.80 (1.78-4.33)
60-min	0.977 (0.775-1.22)	1.16 (0.916-1.45)	1.45 (1.14-1.82)	1.69 (1.33-2.14)	2.03 (1.53-2.68)	2.28 (1.69-3.09)	2.55 (1.82-3.58)	2.83 (1.92-4.11)	3.23 (2.10-4.87)	3.55 (2.25-5.48)
2-hr	1.24 (0.988-1.54)	1.47 (1.17-1.83)	1.86 (1.48-2.32)	2.18 (1.72-2.73)	2.61 (1.99-3.45)	2.94 (2.19-3.98)	3.29 (2.38-4.63)	3.69 (2.51-5.32)	4.27 (2.78-6.41)	4.76 (3.02-7.29)
3-hr	1.42 (1.14-1.76)	1.70 (1.36-2.10)	2.15 (1.71-2.67)	2.52 (1.99-3.15)	3.03 (2.32-3.99)	3.42 (2.56-4.61)	3.82 (2.78-5.39)	4.31 (2.93-6.19)	5.02 (3.28-7.51)	5.63 (3.58-8.60)
6-hr	1.79 (1.44-2.19)	2.15 (1.73-2.64)	2.74 (2.20-3.38)	3.23 (2.57-4.02)	3.91 (3.01-5.12)	4.41 (3.32-5.93)	4.95 (3.62-6.96)	5.60 (3.83-8.01)	6.59 (4.31-9.78)	7.43 (4.74-11.3)
12-hr	2.22 (1.80-2.71)	2.69 (2.18-3.29)	3.46 (2.79-4.25)	4.10 (3.29-5.07)	4.99 (3.86-6.49)	5.64 (4.27-7.54)	6.35 (4.67-8.87)	7.20 (4.93-10.2)	8.49 (5.57-12.5)	9.59 (6.14-14.5)
24-hr	2.63 (2.15-3.20)	3.22 (2.63-3.92)	4.19 (3.40-5.11)	4.99 (4.02-6.12)	6.09 (4.74-7.89)	6.90 (5.26-9.18)	7.79 (5.76-10.8)	8.86 (6.10-12.5)	10.5 (6.92-15.4)	11.9 (7.64-17.8)
2-day	3.00 (2.46-3.61)	3.69 (3.03-4.46)	4.83 (3.94-5.85)	5.77 (4.68-7.04)	7.07 (5.54-9.12)	8.03 (6.16-10.6)	9.07 (6.76-12.6)	10.4 (7.16-14.5)	12.4 (8.18-18.0)	14.1 (9.09-21.0)
3-day	3.26 (2.68-3.92)	4.01 (3.30-4.82)	5.23 (4.29-6.32)	6.25 (5.09-7.60)	7.65 (6.02-9.83)	8.68 (6.68-11.5)	9.81 (7.33-13.6)	11.2 (7.76-15.7)	13.4 (8.86-19.4)	15.3 (9.85-22.6)