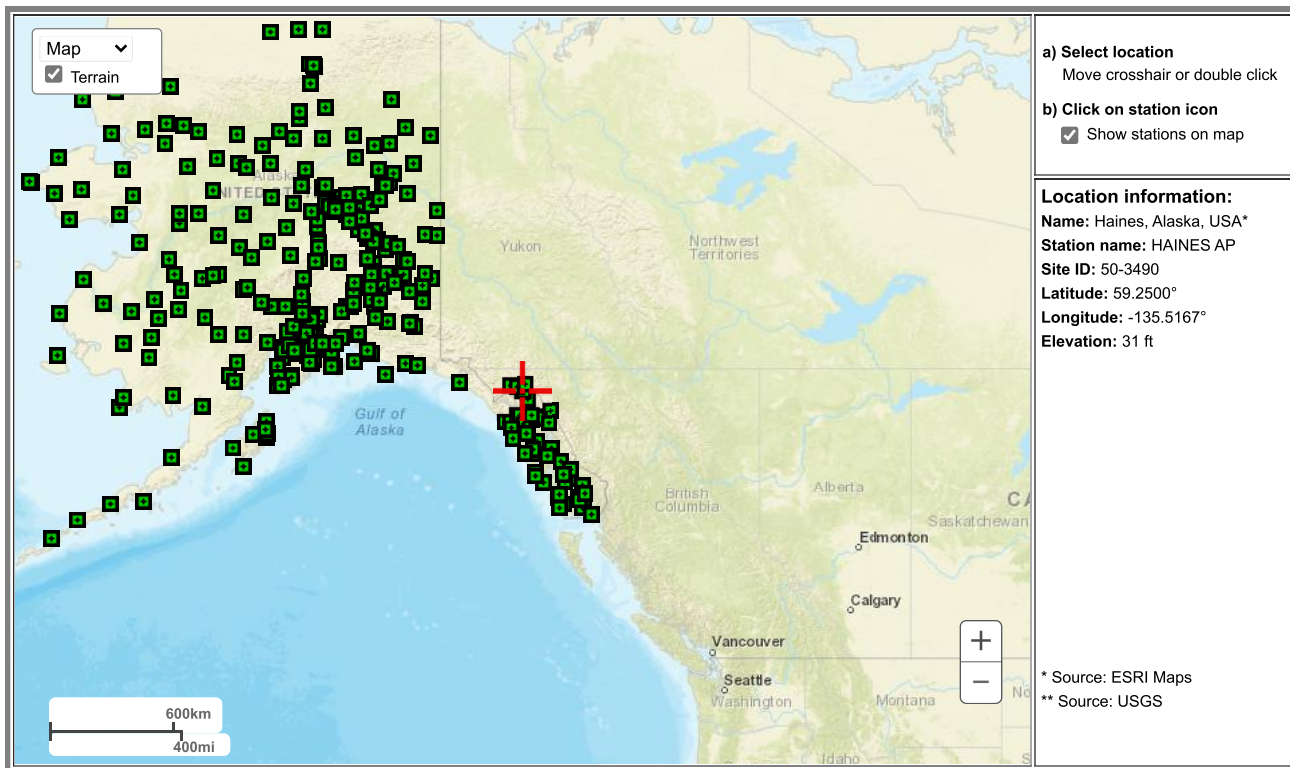


General Information[Homepage](#)[Progress Reports](#)[FAQ](#)[Glossary](#)**Precipitation Frequency**[Data Server](#)[GIS Grids](#)[Maps](#)[Time Series](#)[Temporals](#)[Documents](#)**Probable Maximum**[Precipitation](#)[Documents](#)**Miscellaneous**[Publications](#)[Storm Analysis](#)[Record Precipitation](#)**Contact Us**[Inquiries](#)**NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: AK****Data description**Data type: Precipitation depth Units: English Time series type: Partial duration**Select location****1) Manually:**a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude: b) By station ([list of AK stations](#)): HAINES AP (50-3490)c) By address **2) Use map:****POINT PRECIPITATION FREQUENCY (PF) ESTIMATES**

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION

NOAA Atlas 14, Volume 7, Version 2

[PF tabular](#)[PF graphical](#)[Supplementary information](#) [Print page](#)**PDS-based 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	0.104 (0.087-0.127)	0.130 (0.107-0.161)	0.167 (0.135-0.212)	0.197 (0.156-0.254)	0.239 (0.185-0.316)	0.272 (0.206-0.366)	0.304 (0.226-0.417)	0.343 (0.251-0.479)	0.395 (0.282-0.564)	0.434 (0.305-0.631)
10-min	0.140 (0.117-0.171)	0.175 (0.144-0.217)	0.224 (0.180-0.284)	0.265 (0.210-0.342)	0.321 (0.248-0.424)	0.365 (0.277-0.491)	0.408 (0.304-0.559)	0.461 (0.337-0.643)	0.530 (0.379-0.757)	0.583 (0.409-0.847)
15-min	0.164 (0.137-0.200)	0.205 (0.169-0.254)	0.262 (0.211-0.332)	0.310 (0.245-0.400)	0.376 (0.290-0.497)	0.427 (0.324-0.575)	0.477 (0.355-0.654)	0.539 (0.394-0.752)	0.620 (0.443-0.886)	0.682 (0.479-0.991)
30-min	0.218 (0.182-0.266)	0.272 (0.224-0.337)	0.348 (0.280-0.441)	0.412 (0.326-0.531)	0.499 (0.385-0.660)	0.566 (0.429-0.762)	0.634 (0.472-0.869)	0.715 (0.523-0.998)	0.823 (0.588-1.18)	0.905 (0.635-1.32)
60-min	0.298 (0.249-0.364)	0.372 (0.306-0.461)	0.477 (0.384-0.604)	0.564 (0.446-0.727)	0.683 (0.527-0.903)	0.776 (0.588-1.04)	0.868 (0.646-1.19)	0.980 (0.717-1.37)	1.13 (0.806-1.61)	1.24 (0.871-1.80)
2-hr	0.503 (0.420-0.615)	0.627 (0.516-0.777)	0.804 (0.648-1.02)	0.951 (0.752-1.23)	1.15 (0.890-1.52)	1.31 (0.992-1.76)	1.46 (1.09-2.00)	1.65 (1.21-2.30)	1.90 (1.36-2.72)	2.09 (1.47-3.04)
3-hr	0.705 (0.589-0.861)	0.879 (0.724-1.09)	1.13 (0.909-1.43)	1.34 (1.06-1.72)	1.62 (1.25-2.14)	1.84 (1.39-2.47)	2.05 (1.53-2.81)	2.32 (1.70-3.24)	2.67 (1.91-3.81)	2.93 (2.06-4.26)

6-hr	1.18 (0.986-1.44)	1.47 (1.21-1.82)	1.89 (1.52-2.39)	2.23 (1.77-2.88)	2.71 (2.09-3.58)	3.07 (2.33-4.14)	3.44 (2.56-4.71)	3.88 (2.84-5.42)	4.47 (3.19-6.38)	4.91 (3.45-7.14)
12-hr	1.69 (1.41-2.06)	2.10 (1.73-2.61)	2.70 (2.17-3.42)	3.18 (2.52-4.10)	3.85 (2.98-5.09)	4.38 (3.32-5.90)	4.93 (3.67-6.76)	5.57 (4.08-7.78)	6.42 (4.59-9.17)	7.06 (4.96-10.3)
24-hr	2.30 (2.11-2.53)	2.87 (2.60-3.20)	3.67 (3.25-4.18)	4.31 (3.76-5.00)	5.21 (4.44-6.19)	5.94 (4.97-7.18)	6.70 (5.51-8.24)	7.56 (6.11-9.46)	8.71 (6.88-11.1)	9.57 (7.43-12.4)
2-day	3.12 (2.86-3.43)	3.87 (3.51-4.32)	4.92 (4.36-5.60)	5.74 (5.00-6.66)	6.88 (5.86-8.17)	7.79 (6.52-9.41)	8.73 (7.18-10.7)	9.76 (7.88-12.2)	11.1 (8.78-14.2)	12.2 (9.44-15.8)
3-day	3.71 (3.40-4.08)	4.60 (4.16-5.13)	5.81 (5.15-6.62)	6.76 (5.89-7.84)	8.06 (6.86-9.56)	9.07 (7.59-11.0)	10.1 (8.31-12.4)	11.2 (9.07-14.0)	12.7 (10.0-16.3)	13.8 (10.7-18.0)
4-day	4.20 (3.85-4.62)	5.19 (4.70-5.79)	6.54 (5.80-7.45)	7.58 (6.60-8.79)	9.00 (7.66-10.7)	10.1 (8.44-12.2)	11.2 (9.22-13.8)	12.4 (10.0-15.5)	14.0 (11.0-17.9)	15.1 (11.8-19.7)
7-day	5.40 (4.95-5.94)	6.66 (6.03-7.42)	8.34 (7.39-9.50)	9.62 (8.38-11.2)	11.3 (9.64-13.4)	12.6 (10.6-15.3)	13.9 (11.5-17.1)	15.3 (12.3-19.1)	17.0 (13.5-21.8)	18.4 (14.3-23.9)
10-day	6.33 (5.81-6.96)	7.79 (7.05-8.69)	9.72 (8.62-11.1)	11.2 (9.74-13.0)	13.1 (11.1-15.5)	14.6 (12.2-17.6)	16.0 (13.1-19.7)	17.4 (14.1-21.8)	19.4 (15.3-24.8)	20.8 (16.2-27.1)
20-day	9.17 (8.42-10.1)	11.2 (10.2-12.5)	13.9 (12.3-15.8)	15.9 (13.8-18.4)	18.5 (15.7-21.9)	20.4 (17.0-24.6)	22.2 (18.3-27.3)	24.0 (19.4-30.1)	26.4 (20.9-33.8)	28.3 (21.9-36.8)
30-day	11.8 (10.8-13.0)	14.4 (13.1-16.1)	17.8 (15.8-20.3)	20.3 (17.7-23.5)	23.4 (19.9-27.8)	25.8 (21.5-31.1)	28.0 (23.0-34.4)	30.2 (24.4-37.7)	33.0 (26.1-42.2)	35.2 (27.3-45.8)
45-day	15.2 (13.9-16.7)	18.4 (16.7-20.6)	22.6 (20.1-25.8)	25.7 (22.4-29.8)	29.6 (25.2-35.1)	32.5 (27.1-39.2)	35.2 (28.9-43.3)	37.8 (30.5-47.3)	41.2 (32.6-52.7)	43.8 (34.0-57.0)
60-day	17.4 (15.9-19.1)	21.0 (19.1-23.5)	25.7 (22.8-29.3)	29.1 (25.4-33.8)	33.5 (28.5-39.7)	36.6 (30.6-44.3)	39.7 (32.6-48.8)	42.6 (34.4-53.3)	46.4 (36.7-59.4)	49.3 (38.3-64.1)

¹Precipitation 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.

Estimates from the table in CSV format:

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