CATOCTIN MOUNTAIN (NATIONAL PARK)

THURMONT, FREDERICK COUNTY, MARYLAND

RAWS Station Elevation: 1485 feet (453 meters); Coordinates: 39° 39' 05"N 77° 29' 36"W; NWS ID: FOXM2

POR: 2010-Present

AVERAGE MAXIMUM TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2010				66.5	71.4	80.3	**86.8**	80.8	77.0	63.0	51.0	**33.1**				82.6	63.7
2011	32.3	43.0	48.5	62.5	72.2	78.6	86.6	80.3	**71.6**	**59.7**	55.9	45.7	61.4	**36.1**	61.1	81.8	62.4
2012	41.6	44.6	**60.0**	60.8	74.4	77.6	84.1	81.0	72.6	60.4	47.2	44.1	62.4	43.9	**65.1**	80.9	60.1
2013	40.1	**35.9**	**43.0**	61.1	69.9	78.2	81.7	77.4	72.9	63.2	46.6	42.2	**59.4**	40.1	**58.0**	**79.1**	60.9
2014	**32.1**	36.9	44.6	59.9	70.5	78.1								37.1	58.3		
2015				63.0	**75.8**	77.5	**81.1**	80.7	75.8	60.7	56.3	**52.4**				79.8	64.3
2016	36.3	41.5	56.4	60.8	66.6	78.6	84.0	**84.4**	76.7	64.6	55.1	39.8	62.1	43.4	61.3	82.3	**65.4**
2017	39.8	**50.2**	47.4	**67.0**	67.1	79.2	81.7	77.7	73.3	**66.5**	50.1	37.2	61.4	43.3	60.5	79.5	63.3
2018	36.4	46.5	**43.0**	**56.1**	75.5	77.0	81.9	81.7	73.9	61.7	**43.8**	41.9	59.9	40.0	58.2	80.2	**59.8**
2019	35.0	41.0	47.3	64.1	72.3	78.3	84.6	81.4	**77.2**	63.7	46.7	41.6	61.1	39.3	61.2	81.4	62.5
2020	41.6	44.7	54.8	56.6	**66.2**	79.0	86.4	81.7	72.4	63.4	**57.4**	41.0	62.1	42.6	59.2	82.4	64.4
2021	36.6	37.3	54.2	61.7	69.2	80.0	83.2	83.0	74.5	65.6	49.3	47.9	61.9	38.3	61.7	82.1	63.1
2022	34.0	44.4	53.0	58.7	71.2	78.4	83.1	82.7	73.2	59.9	53.1	40.5	61.0	42.1	61.0	81.4	62.1
2023	**46.3**	49.6	50.6	66.2	69.8	**76.1**	84.6	80.5	74.1	63.9	51.3	45.8	**63.2**	**45.5**	62.2	80.4	63.1
2024	38.9	46.8	53.8	63.1	71.7	**82.3**	85.3	80.4	72.1	66.0	53.8	40.1	62.9	43.8	62.9	**82.7**	64.0
2025	32.2	40.3	56.7	62.1	68.7	81.0	85.7	**77.2**		62.1	50.8	37.7		37.5	62.5	81.3	
2026	33.7																
Year	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Annual**	**Winter**	**Spring**	**Summer**	**Autumn**
Average	**37.1**	**43.0**	**50.9**	**61.9**	**70.8**	**78.8**	**84.0**	**80.7**	**74.1**	**63.0**	**51.2**	**42.1**	**61.5**	**40.9**	**60.9**	**81.2**	**62.8**
Maximum	**46.3**	**50.2**	**60.0**	**67.0**	**75.8**	**82.3**	**86.8**	**84.4**	**77.2**	**66.5**	**57.4**	**52.4**	**63.2**	**45.5**	**65.1**	**82.7**	**65.4**
Minimum	**32.1**	**35.9**	**43.0**	**56.1**	**66.2**	**76.1**	**81.1**	**77.2**	**71.6**	**59.7**	**43.8**	**33.1**	**59.4**	**36.1**	**58.0**	**79.1**	**59.8**

AVERAGE MINIMUM TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2010				45.2	54.1	**62.2**	65.0	61.8	55.1	45.3	36.1	**21.9**				63.0	45.5
2011	19.3	25.0	31.0	44.1	54.0	60.1	65.3	61.6	57.9	44.1	39.4	31.5	44.4	22.1	43.1	62.3	47.1
2012	25.4	29.4	**40.8**	40.2	55.6	57.3	**65.7**	62.1	54.0	45.2	32.4	31.7	45.0	28.8	**45.6**	61.7	43.9
2013	26.5	23.2	28.7	42.2	49.7	60.3	65.2	60.3	**51.4**	46.6	31.2	28.2	**42.8**	27.2	40.2	61.9	**43.1**
2014	**14.8**	**20.3**	**25.4**	39.8	50.6	59.4								**21.1**	**38.6**		
2015				43.4	55.7	60.8	**62.4**	60.4	57.2	42.9	40.5	**39.5**				61.2	46.9
2016	20.8	25.0	37.7	39.6	50.0	59.1	65.5	**64.7**	58.4	46.2	37.7	27.1	44.3	28.4	42.5	**63.1**	**47.4**
2017	27.8	**32.0**	29.4	**48.1**	50.0	59.4	64.2	59.4	54.6	48.9	34.3	25.3	44.4	29.0	42.5	61.0	46.0
2018	20.7	30.1	27.3	**37.6**	**57.8**	58.7	62.5	64.4	**61.0**	47.7	32.8	28.8	44.1	25.4	40.9	61.9	47.2
2019	21.7	26.9	29.3	44.7	54.9	58.9	63.8	61.7	57.3	46.8	**31.1**	29.1	43.8	25.8	42.9	61.5	45.1
2020	28.0	29.6	37.1	38.0	47.7	59.3	65.7	63.8	53.3	45.3	**40.6**	27.5	44.7	28.9	40.9	62.9	46.4
2021	25.9	23.5	34.4	41.8	48.2	60.4	63.0	64.6	55.9	**51.4**	32.8	33.6	44.6	25.6	41.5	62.7	46.7
2022	18.0	25.1	33.8	39.5	51.6	58.6	63.9	62.8	55.4	**42.2**	37.9	26.4	42.9	25.6	41.6	61.8	45.2
2023	**29.9**	30.1	32.1	44.3	**45.9**	**54.8**	64.5	60.8	55.4	46.5	34.0	33.5	44.3	28.8	40.8	**60.0**	45.3
2024	26.8	29.5	36.2	44.8	53.9	60.0	64.7	61.4	55.5	45.6	38.2	27.7	**45.4**	**29.9**	45.0	62.0	46.4
2025	18.8	24.5	35.5	43.8	51.1	60.8	**66.4**	**58.1**		44.5	35.6	23.2		23.7	43.5	61.8	
2026	19.0																
Year	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Annual**	**Winter**	**Spring**	**Summer**	**Autumn**
Average	**22.9**	**26.7**	**32.8**	**42.3**	**51.9**	**59.4**	**64.5**	**61.9**	**55.9**	**45.9**	**35.6**	**29.0**	**44.1**	**26.4**	**42.1**	**61.9**	**45.9**
Maximum	**29.9**	**32.0**	**40.8**	**48.1**	**57.8**	**62.2**	**66.4**	**64.7**	**61.0**	**51.4**	**40.6**	**39.5**	**45.4**	**29.9**	**45.6**	**63.1**	**47.4**
Minimum	**14.8**	**20.3**	**25.4**	**37.6**	**45.9**	**54.8**	**62.4**	**58.1**	**51.4**	**42.2**	**31.1**	**21.9**	**42.8**	**21.1**	**38.6**	**60.0**	**43.1**

AVERAGE MEAN TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter	Spring	Summer	Autumn
2010				55.9	62.8	**71.3**	75.9	71.3	66.0	54.1	43.6	**27.5**				**72.8**	54.6
2011	25.8	34.0	39.8	53.3	63.1	69.3	75.9	71.0	64.7	51.9	47.7	38.6	**52.9**	**29.1**	52.1	72.1	54.8
2012	33.5	37.0	**50.4**	50.5	65.0	67.4	74.9	71.5	63.3	52.8	39.8	37.9	53.7	36.3	**55.3**	71.3	**52.0**
2013	33.3	29.6	35.9	51.7	59.8	69.2	73.4	68.8	**62.2**	54.9	38.9	35.2	**51.1**	33.6	49.1	70.5	**52.0**
2014	**23.5**	**28.6**	**35.0**	49.9	60.5	68.8								**29.1**	**48.5**		
2015				53.2	65.8	69.2	**71.7**	70.5	66.5	51.8	48.4	**45.9**				70.5	55.6
2016	28.5	33.2	47.1	50.2	58.3	68.9	74.7	**74.6**	**67.6**	55.4	46.4	33.5	53.2	35.9	51.9	72.7	**56.4**
2017	33.8	**41.1**	38.4	**57.6**	58.5	69.3	73.0	68.5	64.0	57.7	42.2	31.3	52.9	36.1	51.5	70.3	54.6
2018	28.5	38.3	35.2	**46.9**	**66.6**	67.9	72.2	73.1	67.5	54.7	**38.3**	35.4	52.0	32.7	49.6	71.0	53.5
2019	28.4	33.9	38.3	54.4	63.6	68.6	74.2	71.6	67.3	55.3	38.9	35.4	52.5	32.5	52.1	71.4	53.8
2020	34.8	37.2	46.0	47.3	**57.0**	69.2	**76.1**	72.8	62.9	54.4	**49.0**	34.3	53.4	35.8	50.1	72.7	55.4
2021	31.3	30.4	44.3	51.8	58.7	70.2	73.1	73.8	65.2	**58.5**	41.1	40.8	53.3	32.0	51.6	72.4	54.9
2022	26.0	34.8	43.4	49.1	61.4	68.5	73.5	72.8	64.3	**51.1**	45.5	33.5	52.0	33.8	51.3	71.6	53.6
2023	**38.1**	39.9	41.4	55.3	57.9	**65.5**	74.6	70.7	64.8	55.2	42.7	39.7	53.8	**37.1**	51.5	**70.2**	54.2
2024	32.9	38.2	45.0	54.0	62.8	71.2	75.0	70.9	63.8	55.8	46.0	33.9	**54.1**	36.9	53.9	72.4	55.2
2025	25.5	32.4	46.1	53.0	59.9	70.9	**76.1**	**67.7**		53.3	43.2	30.5		30.6	53.0	71.5	
2026	26.4																
Year	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Annual**	**Winter**	**Spring**	**Summer**	**Autumn**
Average	**30.0**	**34.9**	**41.9**	**52.1**	**61.4**	**69.1**	**74.3**	**71.3**	**65.0**	**54.4**	**43.4**	**35.5**	**52.8**	**33.7**	**45.9**	**65.2**	**49.3**
Maximum	**38.1**	**41.1**	**50.4**	**57.6**	**66.6**	**71.3**	**76.1**	**74.6**	**67.6**	**58.5**	**49.0**	**45.9**	**54.1**	**37.1**	**55.3**	**72.8**	**56.4**
Minimum	**23.5**	**28.6**	**35.0**	**46.9**	**57.0**	**65.5**	**71.7**	**67.7**	**62.2**	**51.1**	**38.3**	**27.5**	**51.1**	**29.1**	**48.5**	**70.2**	**52.0**

Updated 2/16/2026

DATA SOURCE: Remote Automated Weather Stations (RAWS) USA Climate Archive: https://raws.dri.edu/index.html

NOTES: **1) Remote Automatic Weather Stations (RAWS):** There are nearly 2,200 interagency Remote Automatic Weather Stations (RAWS) strategically located throughout the United States. RAWS are self-contained, portable, and permanent, solar powered weather stations that provide timely local weather data used primarily in fire management. These stations monitor the weather and provide weather data that assists land management agencies with a variety of projects such as monitoring air quality, rating fire danger, and providing information for research applications.

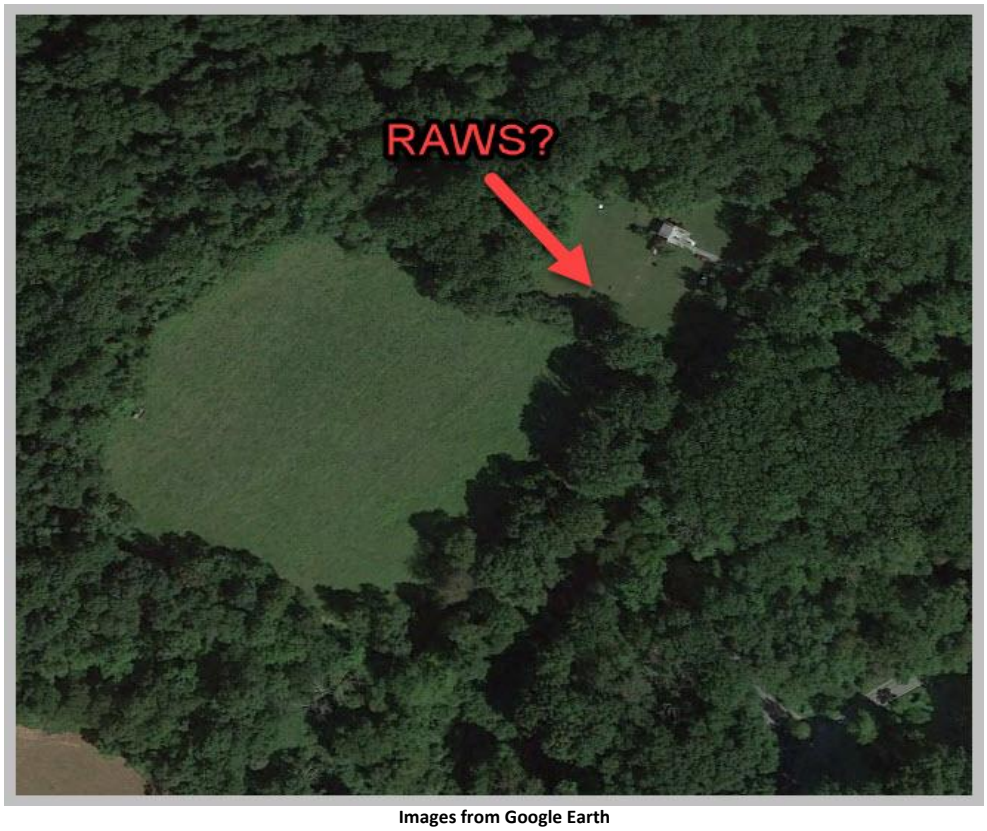
2) **Bold red** values indicate extreme maxima, **bold blue** values indicate extreme minima.

3) Cells with this gray background indicate Missing, Incomplete, or Future data.

4) The "Average Daily Temperature" values are Mean Temperatures between the Average Daily High and Low tables except for Annual and Seasonal Averages which average each year's individual months. These values may not agree with the RAWS averages in the WRCC website.

5) Seasons are meteorological and are thus: Winter = Dec., Jan., Feb.; Spring = Mar. Apr., May; Summer = June, July, Aug.; Autumn = Sep., Oct., Nov.

Catoctin Mountain RAWS Station



Images from Google Earth