

# FREDERICK MUNICIPAL AIRPORT (FDK) - FREDERICK, MARYLAND

AWOS Station Elevation: 302 feet/92 meters

Period of Record: 2001-Present

## AVERAGE MAXIMUM TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter (Dec-Feb)	Spring (Mar-May)	Summer (Jun-Aug)	Autumn (Sep-Nov)
2001								88.5	78.8	70.7	<b>64.5</b>	52.2					<b>71.3</b>
2002	<b>51.0</b>	53.7	58.2	71.5	77.8	88.6	90.6	<b>91.4</b>	82.6	<b>64.1</b>	53.4	43.2	<b>68.8</b>	<b>52.3</b>	69.2	90.2	66.7
2003	<b>35.6</b>	39.6	56.1	64.9	<b>68.5</b>	<b>77.7</b>	<b>84.2</b>	84.2	76.2	66.7	61.3	45.3	<b>63.4</b>	<b>39.5</b>	63.1	<b>82.0</b>	68.1
2004	36.0	45.5	58.0	67.0	<b>83.1</b>	84.6	88.7	88.5	82.1	68.1	60.2	46.2	<b>67.3</b>	<b>42.3</b>	69.4	<b>87.3</b>	70.1
2005	43.5	50.1	52.4	70.3	72.6	87.5	91.2	88.9	<b>85.2</b>	66.3	58.2	40.7	<b>67.2</b>	<b>46.6</b>	65.1	89.2	69.9
2006	49.7	44.0	55.6	69.1	74.9	84.6	90.1	90.1	<b>74.7</b>	66.1	57.9	52.1	<b>67.4</b>	<b>44.8</b>	66.5	88.2	66.3
2007	47.0	38.5	57.3	62.8	81.0	85.5	88.1	86.8	82.5	<b>73.9</b>	54.9	43.9	<b>66.9</b>	<b>45.9</b>	67.0	86.8	70.4
2008	44.3	44.3	55.5	66.9	71.8	86.2	89.6	86.6	80.5	68.0	54.2	46.9	<b>66.2</b>	<b>44.1</b>	64.8	87.5	67.6
2009	39.1	50.2	57.0	68.4	77.8	82.8	85.5	87.5	77.5	66.3	59.1	43.3	<b>66.2</b>	<b>45.4</b>	67.7	85.3	67.6
2010	41.5	41.4	60.0	72.1	79.0	<b>89.6</b>	<b>95.0</b>	88.8	84.1	69.1	56.5	<b>38.6</b>	<b>68.0</b>	<b>42.0</b>	70.4	91.1	69.9
2011	37.0	47.9	54.1	67.5	79.5	89.0	94.9	89.8	78.6	<b>64.1</b>	57.7	46.3	<b>67.2</b>	<b>41.2</b>	67.0	<b>91.3</b>	66.8
2012	45.0	49.0	<b>65.2</b>	65.8	80.7	85.0	91.7	88.7	80.6	68.1	53.5	49.3	<b>68.6</b>	<b>46.8</b>	<b>70.6</b>	88.5	67.4
2013	44.6	41.3	<b>47.0</b>	65.4	73.9	82.9	86.7	<b>81.0</b>	78.1	68.5	51.3	45.4	63.8	45.0	<b>62.1</b>	83.5	<b>66.0</b>
2014	36.0	40.0	48.5	64.2	75.8	83.7	85.7	82.7	80.8	70.7	55.1	47.3	<b>64.2</b>	<b>40.4</b>	62.8	84.0	68.9
2015	38.9	<b>36.5</b>	50.8	67.9	81.5	82.8	86.6	86.3	81.7	65.8	60.4	<b>55.7</b>	<b>66.2</b>	<b>40.9</b>	66.7	85.2	69.3
2016	39.8	43.1	60.5	63.8	70.7	82.8	88.4	88.9	82.8	70.5	57.9	44.5	<b>66.1</b>	<b>46.2</b>	65.0	86.7	70.4
2017	44.1	54.8	52.4	<b>73.6</b>	73.9	85.0	87.7	83.7	80.4	73.3	55.8	43.2	<b>67.3</b>	<b>47.8</b>	66.6	85.4	69.8
2018	42.2	50.7	48.4	<b>61.4</b>	80.3	83.1	87.2	87.9	80.0	68.2	<b>49.8</b>	46.3	65.4	45.3	63.4	86.0	<b>66.0</b>
2019	40.8	45.6	52.5	69.7	76.8	83.2	89.7	86.8	84.0	70.1	52.4	46.2	<b>66.5</b>	<b>44.2</b>	66.3	86.6	68.8
2020	47.5	50.1	60.7	62.5	71.5	84.9	92.2	86.6	77.4	69.3	62.1	45.9	<b>67.6</b>	<b>47.9</b>	66.9	87.9	69.6
2021	43.2	41.4	59.6	66.9	74.9	85.2	88.7	88.3	79.6	72.2	55.6	53.1	<b>67.4</b>	<b>43.5</b>	67.1	87.4	69.1
2022	38.0	50.3	58.7	64.3	75.5	83.8	85.3	84.7	78.5	65.0	59.2	45.3	<b>65.7</b>	<b>47.1</b>	66.2	84.6	67.6
2023	49.9	<b>55.0</b>	56.2	72.0	75.0	82.7	91.6	87.9	81.0	70.6	56.7	50.9	<b>69.1</b>	<b>50.1</b>	67.7	87.4	69.4
2024	43.9	52.4	60.2	69.1	76.7	88.2	92.3	87.0	77.7	71.0	60.0	45.9	<b>68.7</b>	<b>49.1</b>	68.7	89.2	69.6
2025	36.8	45.8	62.2	67.6	73.8	85.6	91.7	83.3	80.0	67.5	55.3	41.9	<b>66.0</b>	<b>42.8</b>	67.9	86.9	67.6
Average	42.3	46.3	56.1	67.3	76.1	84.8	89.3	87.0	80.2	68.6	56.9	46.4	66.7	45.1	66.5	87.0	68.6
Maximum	51.0	55.0	65.2	73.6	83.1	89.6	95.0	91.4	85.2	73.9	64.5	55.7	69.1	52.3	70.6	91.3	71.3
Minimum	35.6	36.5	47.0	61.4	68.5	77.7	84.2	81.0	74.7	64.1	49.8	38.6	63.4	39.5	62.1	82.0	66.0

## AVERAGE MINIMUM TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter (Dec-Feb)	Spring (Mar-May)	Summer (Jun-Aug)	Autumn (Sep-Nov)
2001								67.2	53.9	43.5	37.2	31.5					44.8
2002	29.7	27.8	32.7	45.1	50.7	60.3	65.4	64.6	56.4	45.4	34.0	22.7	44.6	29.6	42.8	63.4	45.3
2003	19.9	21.6	30.8	40.0	51.3	60.1	64.4	66.2	57.8	<b>41.6</b>	<b>39.8</b>	26.3	43.3	<b>21.4</b>	40.7	63.6	46.4
2004	18.8	22.6	34.7	45.1	57.2	58.4	63.4	64.7	58.1	46.2	37.9	26.3	44.4	22.6	45.7	62.1	47.4
2005	25.8	26.3	30.8	42.7	45.9	62.4	67.2	64.5	55.0	46.3	32.7	<b>22.4</b>	43.5	26.1	<b>39.8</b>	64.7	44.6
2006	28.2	23.3	31.4	41.1	47.9	58.7	65.0	62.8	53.5	41.9	37.1	28.2	43.3	24.6	40.1	62.2	44.2
2007	27.6	19.3	29.2	40.0	51.2	59.2	<b>61.3</b>	64.2	52.0	48.0	33.1	27.7	<b>42.7</b>	<b>25.0</b>	40.1	61.6	44.4
2008	24.2	24.4	31.7	43.3	<b>45.5</b>	61.2	64.3	<b>58.9</b>	56.4	42.0	36.7	29.4	43.2	25.4	40.2	61.5	45.1
2009	20.7	25.3	32.6	42.3	53.3	59.8	63.2	66.5	55.4	44.3	37.6	26.2	43.9	25.1	42.7	63.2	45.8
2010	23.5	24.4	37.9	41.8	54.6	<b>66.0</b>	67.7	63.9	55.8	45.4	33.4	<b>22.4</b>	44.7	24.7	44.8	65.9	44.9
2011	21.1	25.4	32.1	44.8	52.5	63.0	68.6	61.4	59.9	43.1	35.2	29.0	44.7	23.0	43.2	64.3	46.1
2012	26.0	29.4	<b>40.0</b>	39.8	58.3	63.1	<b>71.1</b>	63.8	54.9	45.4	<b>28.9</b>	31.9	46.1	28.2	46.0	66.0	<b>43.1</b>
2013	26.9	25.6	30.5	40.7	49.7	61.8	67.0	61.0	<b>51.9</b>	47.2	31.8	28.5	43.5	28.1	40.3	63.2	43.6
2014	<b>17.2</b>	23.3	<b>27.4</b>	39.7	52.3	62.1	63.7	63.7	58.8	49.3	35.9	32.8	43.8	23.0	<b>39.8</b>	63.2	48.0
2015	23.4	<b>15.6</b>	29.2	42.1	55.9	62.7	65.7	62.0	57.6	41.9	38.9	<b>38.3</b>	44.4	23.9	42.4	63.5	46.1
2016	20.6	26.5	35.9	<b>38.7</b>	51.6	60.1	66.9	67.3	63.0	49.2	35.0	28.5	45.3	28.5	42.1	64.8	49.1
2017	30.3	31.9	32.3	<b>50.1</b>	53.9	64.0	66.4	63.5	57.3	49.4	34.3	27.1	46.7	30.2	45.4	64.6	47.0
2018	22.5	31.7	30.7	39.3	57.9	63.3	65.0	<b>70.1</b>	<b>65.6</b>	50.4	36.6	31.5	47.1	27.1	42.6	66.1	<b>50.9</b>
2019	26.0	28.7	33.2	47.7	<b>61.7</b>	63.8	68.5	66.1	61.2	50.0	33.3	30.1	47.5	28.7	47.5	66.1	48.2
2020	30.8	<b>33.5</b>	<b>40.0</b>	40.8	53.1	62.7	69.1	67.9	55.8	47.0	38.0	29.2	47.3	<b>31.5</b>	44.6	66.6	46.9
2021	28.0	28.4	35.4	43.7	50.5	63.0	65.9	67.4	58.6	<b>53.5</b>	32.9	34.2	46.8	28.5	43.2	65.4	48.3
2022	23.7	27.7	35.0	41.1	53.8	60.9	65.5	64.6	57.8	42.7	36.5	26.8	44.7	28.5	43.3	63.7	45.7
2023	<b>33.1</b>	32.4	34.9	45.1	48.4	<b>57.6</b>	67.7	64.8	57.9	47.5	33.5	33.5	46.4	30.8	42.8	63.4	46.3
2024	28.3	31.7	38.7	47.4	57.9	65.5	70.7	65.9	58.3	44.1	38.3	29.9	<b>48.1</b>	31.2	<b>48.0</b>	<b>67.4</b>	46.9
2025	21.8	27.6	37.1	45.3	54.9	63.7	70.7	61.4	58.0	43.6	35.5	24.4	45.3	26.4	45.8	65.3	45.7
Average	24.9	26.4	33.5	42.8	52.9	61.8	66.4	64.6	57.2	45.9	35.4	28.8	45.1	26.8	43.1	64.2	46.2
Maximum	33.1	33.5	40.0	50.1	61.7	66.0	71.1	70.1	65.6	53.5	39.8	38.3	48.1	31.5	48.0	67.4	50.9
Minimum	17.2	15.6	27.4	38.7	45.5	57.6	61.3	58.9	51.9	41.6	28.9	22.4	42.7	21.4	39.8	61.5	43.1

## AVERAGE MEAN TEMPERATURE (°F)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Winter (Dec-Feb)	Spring (Mar-May)	Summer (Jun-Aug)	Autumn (Sep-Nov)
2001								77.9	66.3	57.1	<b>50.9</b>	41.8					58.1
2002	40.3	40.7	45.5	58.3	64.3	74.5	78.0	78.0	69.5	54.7	43.7	33.0	56.7	41.0	56.0	76.8	56.0
2003	27.8	30.6	43.4	52.4	59.9	<b>68.9</b>	<b>74.3</b>	75.2	67.0	54.1	50.6	35.8	<b>53.3</b>	<b>30.4</b>	51.9	<b>72.8</b>	57.2
2004	27.4	34.0	46.4	56.1	<b>70.2</b>	71.5	76.0	76.6	70.1	57.1	49.0	36.2	55.9	32.4	57.5	74.7	58.8
2005	34.7	38.2	41.6	56.5	59.3	74.9	79.2	76.7	70.1	56.3	45.5	31.6	55.4	36.4	52.5	76.9	57.3
2006	38.9	33.6	43.5	55.1	61.4	71.6	77.6	76.5	<b>64.1</b>	54.0	47.5	40.1	55.3	34.7	53.3	75.2	55.2
2007	37.3	28.9	43.3	51.4	66.1	72.4	74.7	75.5	67.3	60.9	44.0	35.8	54.8	35.4	53.6	74.2	57.4
2008	34.2	34.4	43.6	55.1	<b>58.7</b>	73.7	76.9	72.8	68.5	55.0	45.5	38.2	54.7	34.8	52.5	74.5	56.3
2009	30.0	37.8	44.8	55.4	65.5	71.3	74.4	77.0	66.7	55.3	48.4	34.8	55.1	35.3	55.2	74.2	56.8
2010	32.5	32.9	49.0	57.3	66.8	<b>77.8</b>	81.4	76.3	70.0	57.2	45.0	<b>30.6</b>	56.4	33.4	57.7	<b>78.5</b>	57.4
2011	29.1	36.7	43.1	56.2	66.0	76.0	<b>81.8</b>	75.6	69.3	<b>53.6</b>							



Image from Google Earth