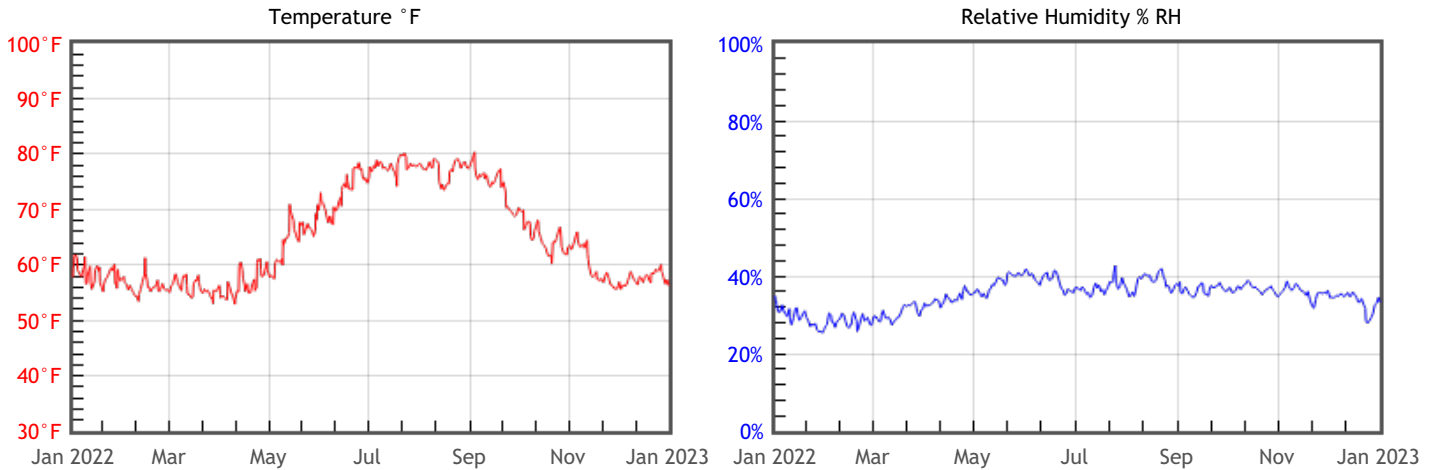


## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 67	Generally OK, but fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics will be at elevated risk due to the cumulative effects of temperature and humidity
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.49 % EMC min = 5.9 % EMC max = 7.7	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.7	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



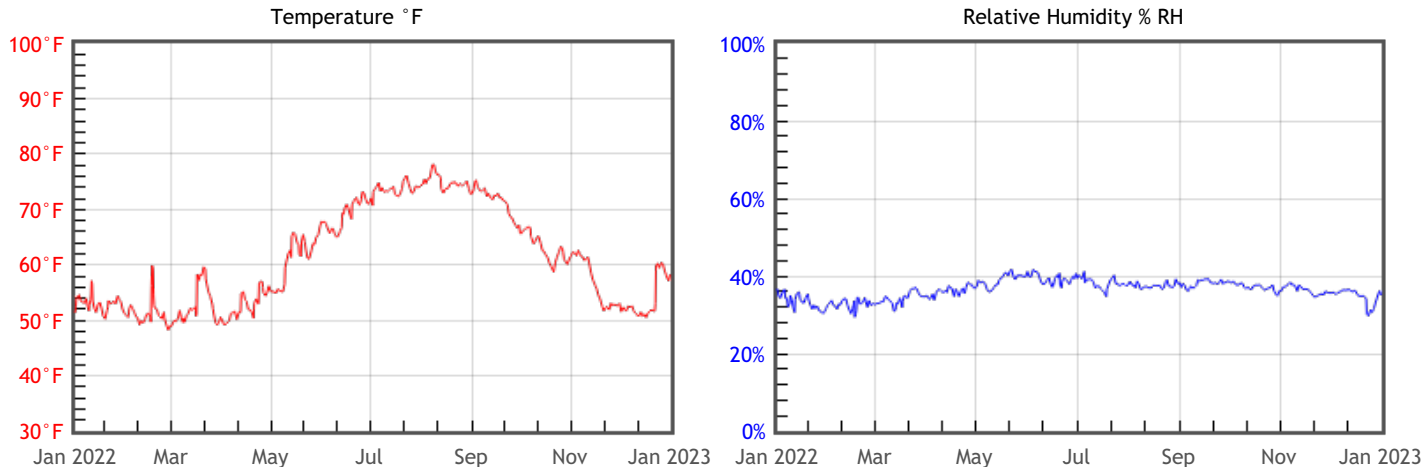
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	64.8	%RH Mean	35	DP °F Mean	36.1
T °F Median	62.6	%RH Median	36	DP °F Median	34.9
T °F Stdev	8.6	%RH Stdev	4	DP °F Stdev	9.6
T °F Min	51.8	%RH Min	21	DP °F Min	20.1
T °F Max	81.6	%RH Max	43	DP °F Max	54.1

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	<div style="background-color: #4CAF50; color: white; padding: 2px; text-align: center;">GOOD</div> TWPI = 82	Slow rate of chemical decay in organic materials such as paper, leather, textiles, plastics and dyes
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	<div style="background-color: #4CAF50; color: white; padding: 2px; text-align: center;">GOOD</div> % DC = 0.33 % EMC min = 6.6 % EMC max = 7.7	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	<div style="background-color: #4CAF50; color: white; padding: 2px; text-align: center;">GOOD</div> MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	<div style="background-color: #808080; color: white; padding: 2px; text-align: center;">OK</div> % EMC max = 7.7	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



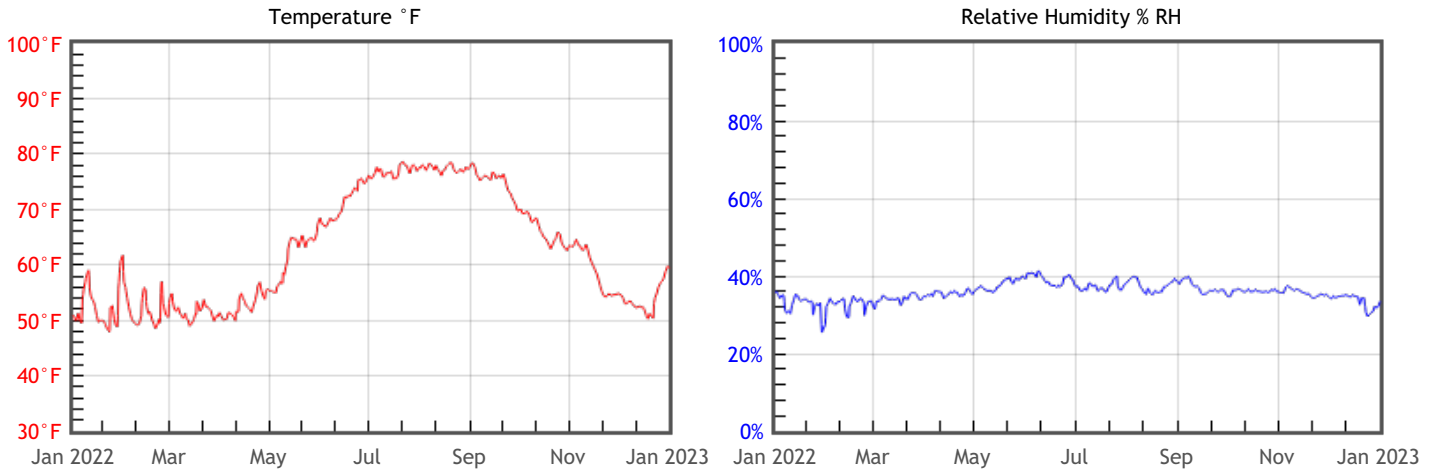
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	61.2	%RH Mean	36	DP °F Mean	34.2
T °F Median	60.4	%RH Median	37	DP °F Median	33.5
T °F Stdev	9.1	%RH Stdev	3	DP °F Stdev	9.2
T °F Min	47.7	%RH Min	27	DP °F Min	20.4
T °F Max	79	%RH Max	44	DP °F Max	51.2

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 71	Generally OK, but fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics will be at elevated risk due to the cumulative effects of temperature and humidity
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.29 % EMC min = 6.5 % EMC max = 7.6	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.6	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



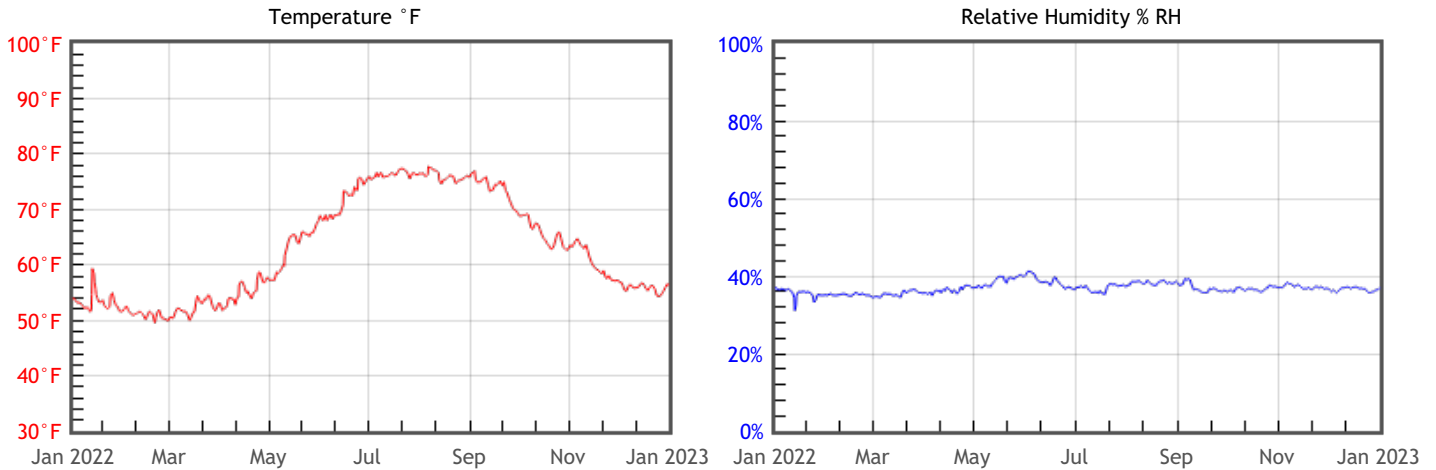
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	62.6	%RH Mean	36	DP °F Mean	35.1
T °F Median	62.5	%RH Median	36	DP °F Median	35.3
T °F Stdev	10.3	%RH Stdev	2	DP °F Stdev	10.3
T °F Min	47.9	%RH Min	24	DP °F Min	20.1
T °F Max	80	%RH Max	41	DP °F Max	52.5

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 72	Generally OK, but fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics will be at elevated risk due to the cumulative effects of temperature and humidity
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.18 % EMC min = 7.1 % EMC max = 7.7	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.7	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



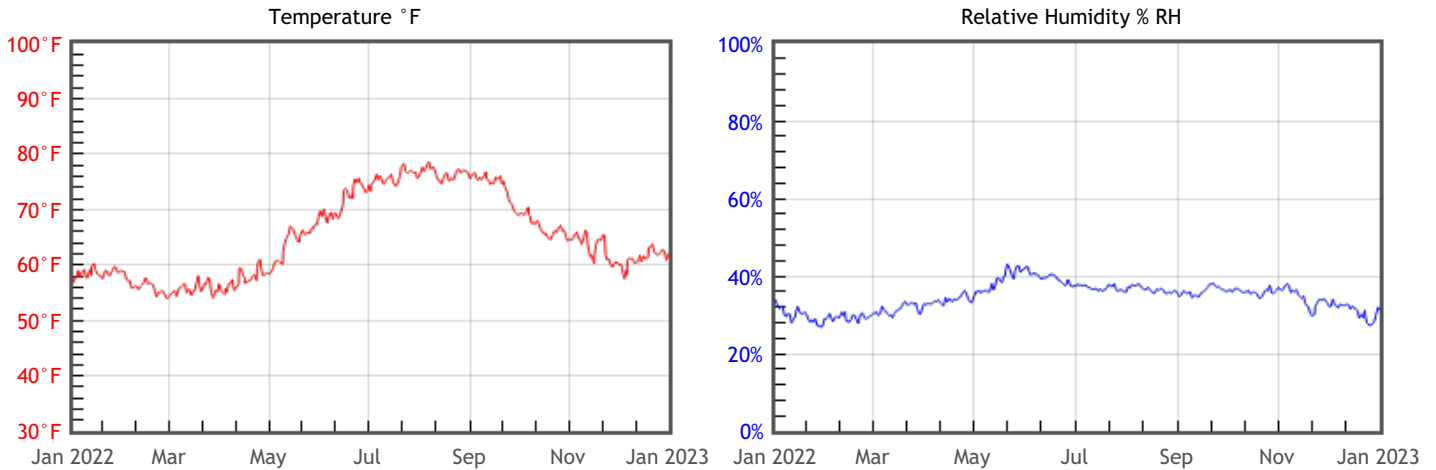
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	62.9	%RH Mean	37	DP °F Mean	36.2
T °F Median	62.5	%RH Median	37	DP °F Median	36
T °F Stdev	9.3	%RH Stdev	1	DP °F Stdev	8.8
T °F Min	49.4	%RH Min	30	DP °F Min	23.1
T °F Max	78.6	%RH Max	41	DP °F Max	50.6

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 68	Generally OK, but fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics will be at elevated risk due to the cumulative effects of temperature and humidity
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.5 % EMC min = 6.1 % EMC max = 7.9	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.9	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	65.2	%RH Mean	34	DP °F Mean	36.3
T °F Median	64.3	%RH Median	35	DP °F Median	36.1
T °F Stdev	7.6	%RH Stdev	4	DP °F Stdev	8.7
T °F Min	53.5	%RH Min	25	DP °F Min	22
T °F Max	79.2	%RH Max	44	DP °F Max	51

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 68	Generally OK, but fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics will be at elevated risk due to the cumulative effects of temperature and humidity
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.5 % EMC min = 5.9 % EMC max = 7.7	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.7	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	65.4	%RH Mean	34	DP °F Mean	36.4
T °F Median	64.7	%RH Median	35	DP °F Median	36.9
T °F Stdev	7.5	%RH Stdev	4	DP °F Stdev	8.5
T °F Min	53.7	%RH Min	26	DP °F Min	22.4
T °F Max	79	%RH Max	43	DP °F Max	50.1