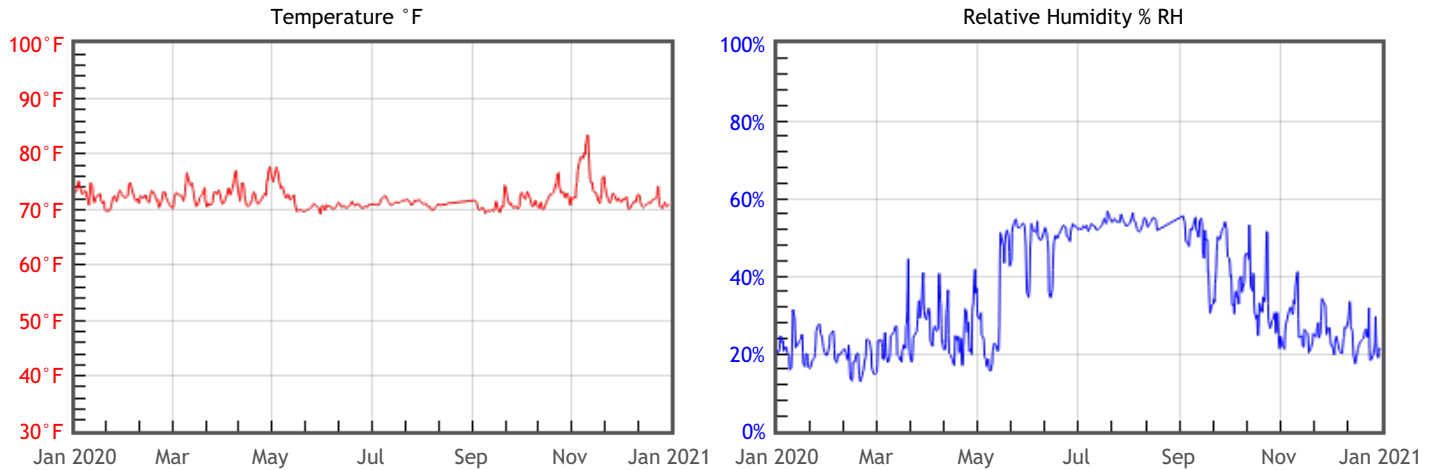


## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 48	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	RISK % DC = 1.58 % EMC min = 4.3 % EMC max = 9.9	Heightened risk of physical damage to any hygroscopic material, such as paintings, rare books, furniture, paper, leather, film, or color photos, due to extremely low or high levels of humidity, and / or excessive humidity fluctuation.
<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 = 9.9	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



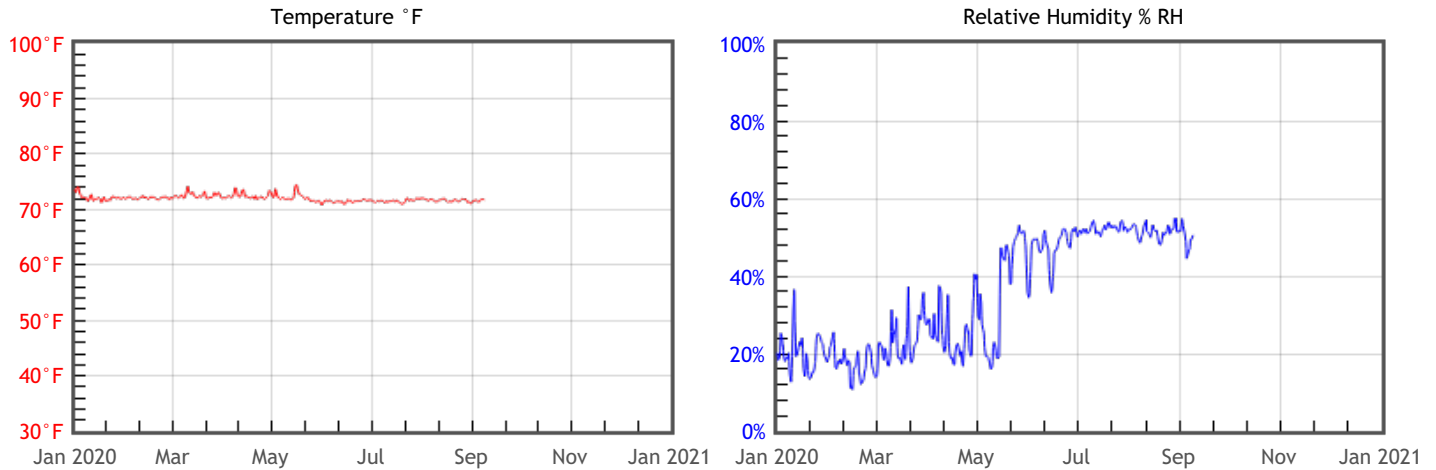
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	72	%RH Mean	34	DP °F Mean	40.2
T °F Median	71.5	%RH Median	30	DP °F Median	39.3
T °F Stdev	2	%RH Stdev	14	DP °F Stdev	10.5
T °F Min	68.9	%RH Min	13	DP °F Min	17.6
T °F Max	83.7	%RH Max	60	DP °F Max	61.3

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	<div style="background-color: #cccccc; text-align: center; padding: 2px;">OK</div> TWPI = 50	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	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;">RISK</div> % DC = <b>1.57</b> % EMC min = <b>3.9</b> % EMC max = <b>9.5</b>	Heightened risk of physical damage to any hygroscopic material, such as paintings, rare books, furniture, paper, leather, film, or color photos, due to extremely low or high levels of humidity, and / or excessive humidity fluctuation.
<b>Mold Risk</b> Mold growth in area or on collection objects	<div style="background-color: #4CAF50; color: white; text-align: center; padding: 2px;">GOOD</div> MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	<div style="background-color: #cccccc; text-align: center; padding: 2px;">OK</div> % EMC max = 9.5	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



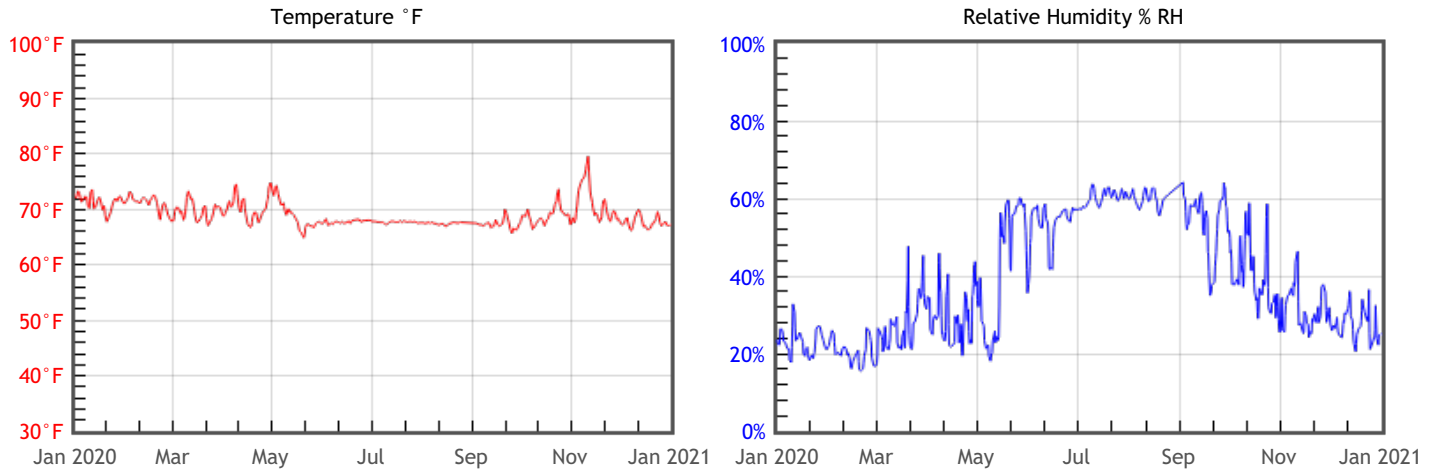
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	72	%RH Mean	35	DP °F Mean	40.2
T °F Median	71.9	%RH Median	32	DP °F Median	41.2
T °F Stdev	0.6	%RH Stdev	15	DP °F Stdev	11.9
T °F Min	70.8	%RH Min	10	DP °F Min	11.3
T °F Max	75	%RH Max	58	DP °F Max	56.3

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	<div style="background-color: #cccccc; padding: 2px; text-align: center;">OK</div> TWPI = 52	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	<div style="background-color: #800000; color: white; padding: 2px; text-align: center;">RISK</div> % DC = 1.84 % EMC min = 4.6 % EMC max = 11.2	Heightened risk of physical damage to any hygroscopic material, such as paintings, rare books, furniture, paper, leather, film, or color photos, due to extremely low or high levels of humidity, and / or excessive humidity fluctuation.
<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: #800000; color: white; padding: 2px; text-align: center;">RISK</div> % EMC max = 11.2	Heightened risk of metal corrosion due to extended periods of high levels of humidity.

## Graphs



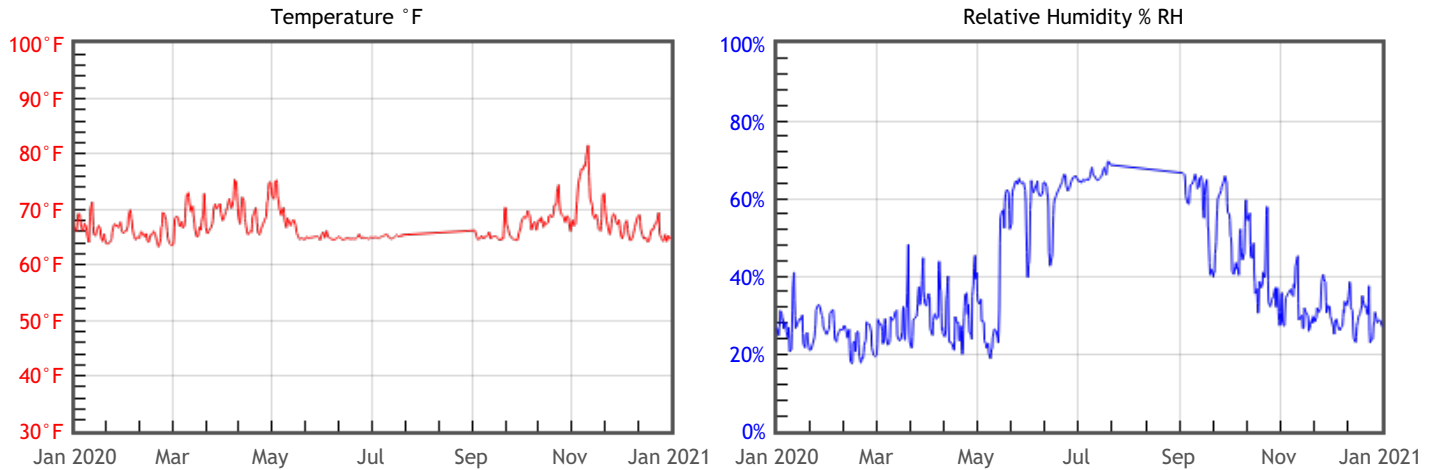
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	69.1	%RH Mean	39	DP °F Mean	40.9
T °F Median	68.2	%RH Median	34	DP °F Median	40.3
T °F Stdev	2.2	%RH Stdev	15	DP °F Stdev	10
T °F Min	64.7	%RH Min	14	DP °F Min	19.5
T °F Max	79.8	%RH Max	68	DP °F Max	61.7

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 59	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	RISK % DC = 2.11 % EMC min = 5.2 % EMC max = 12.7	Heightened risk of physical damage to any hygroscopic material, such as paintings, rare books, furniture, paper, leather, film, or color photos, due to extremely low or high levels of humidity, and / or excessive humidity fluctuation.
<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	RISK % EMC max = 12.7	Heightened risk of metal corrosion due to extended periods of high levels of humidity.

## Graphs



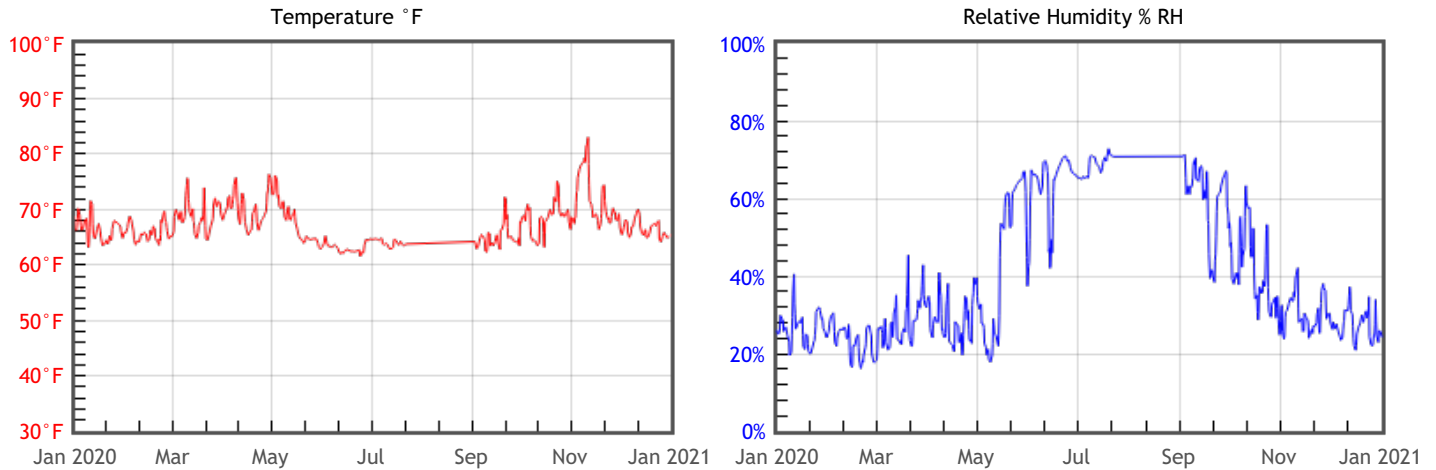
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	67.2	%RH Mean	39	DP °F Mean	39.8
T °F Median	66.3	%RH Median	33	DP °F Median	38.6
T °F Stdev	2.9	%RH Stdev	16	DP °F Stdev	9.9
T °F Min	63.3	%RH Min	17	DP °F Min	18.4
T °F Max	81.9	%RH Max	71	DP °F Max	62.1

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 58	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	RISK % DC = 2.44 % EMC min = 5 % EMC max = 13.7	Heightened risk of physical damage to any hygroscopic material, such as paintings, rare books, furniture, paper, leather, film, or color photos, due to extremely low or high levels of humidity, and / or excessive humidity fluctuation.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0.32	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	RISK % EMC max = 13.7	Heightened risk of metal corrosion due to extended periods of high levels of humidity.

## Graphs



## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	67.1	%RH Mean	39	DP °F Mean	39.3
T °F Median	66.4	%RH Median	32	DP °F Median	38.1
T °F Stdev	3.6	%RH Stdev	17	DP °F Stdev	10.3
T °F Min	61.3	%RH Min	16	DP °F Min	16.8
T °F Max	83.5	%RH Max	77	DP °F Max	61.8