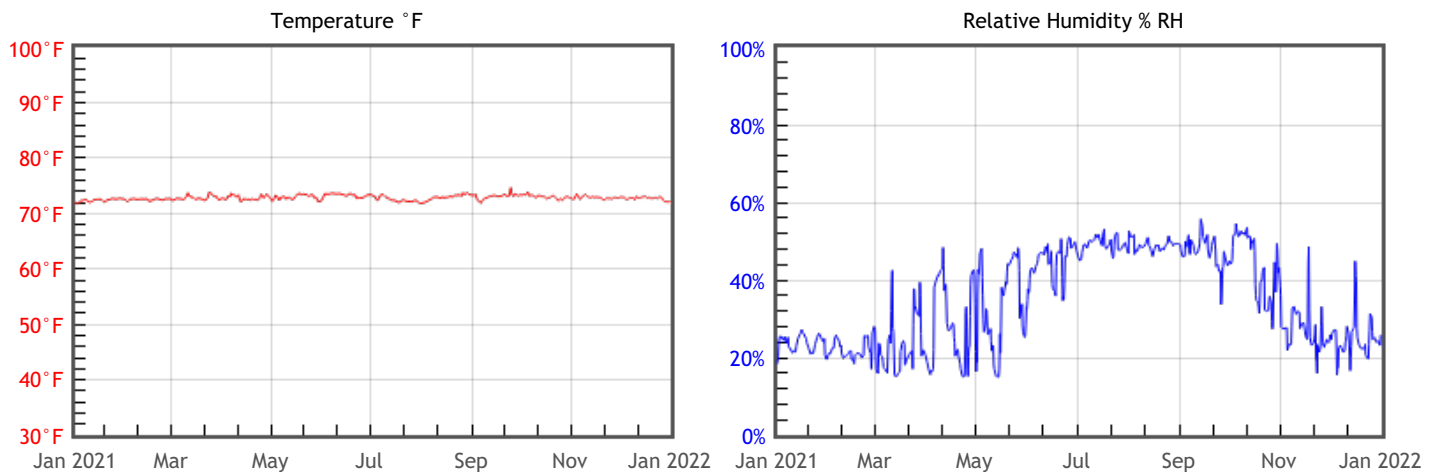


## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;"><b>RISK</b></div> TWPI = 44	Accelerated rate of chemical decay in all organic materials due to the cumulative effects of temperature and humidity, with especially high risk for fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics.
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;"><b>RISK</b></div> % DC = 1.28 % EMC min = 4.6 % EMC max = 9.2	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: #008000; color: white; text-align: center; padding: 2px;"><b>GOOD</b></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; text-align: center; padding: 2px;"><b>OK</b></div> % EMC max = 9.2	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



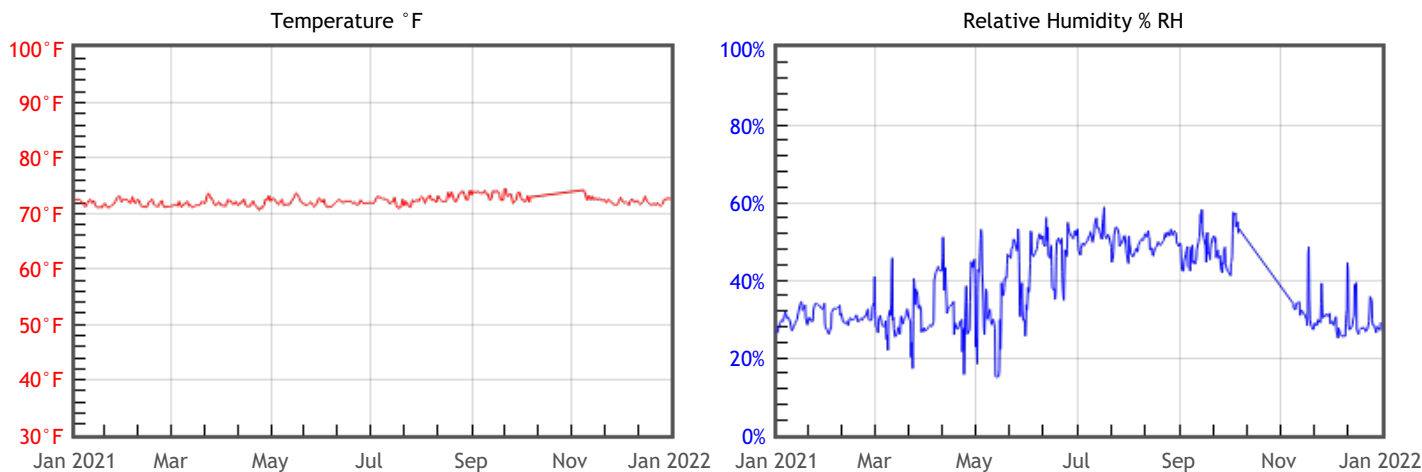
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	72.9	%RH Mean	36	DP °F Mean	42.5
T °F Median	72.9	%RH Median	37	DP °F Median	45
T °F Stdev	0.5	%RH Stdev	12	DP °F Stdev	10.1
T °F Min	70.8	%RH Min	15	DP °F Min	21.5
T °F Max	75.9	%RH Max	67	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	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;"><b>RISK</b></div> TWPI = 43	Accelerated rate of chemical decay in all organic materials due to the cumulative effects of temperature and humidity, with especially high risk for fast decaying organic materials such as acidic paper, color photographs and cellulosic plastics.
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	<div style="background-color: #808080; color: white; text-align: center; padding: 2px;"><b>OK</b></div> % DC = 1 % EMC min = 6 % EMC max = 9.5	Generally OK, but sensitive or fast responding hygroscopic materials such as paintings, rare books, vellum manuscripts or musical instruments will be at elevated risk of physical damage due to fluctuations of humidity.
<b>Mold Risk</b> Mold growth in area or on collection objects	<div style="background-color: #008000; color: white; text-align: center; padding: 2px;"><b>GOOD</b></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; text-align: center; padding: 2px;"><b>OK</b></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	72.2	%RH Mean	39	DP °F Mean	44.9
T °F Median	72.1	%RH Median	38	DP °F Median	45.5
T °F Stdev	0.8	%RH Stdev	11	DP °F Stdev	7.9
T °F Min	70.6	%RH Min	15	DP °F Min	20.7
T °F Max	76.7	%RH Max	71	DP °F Max	63.1