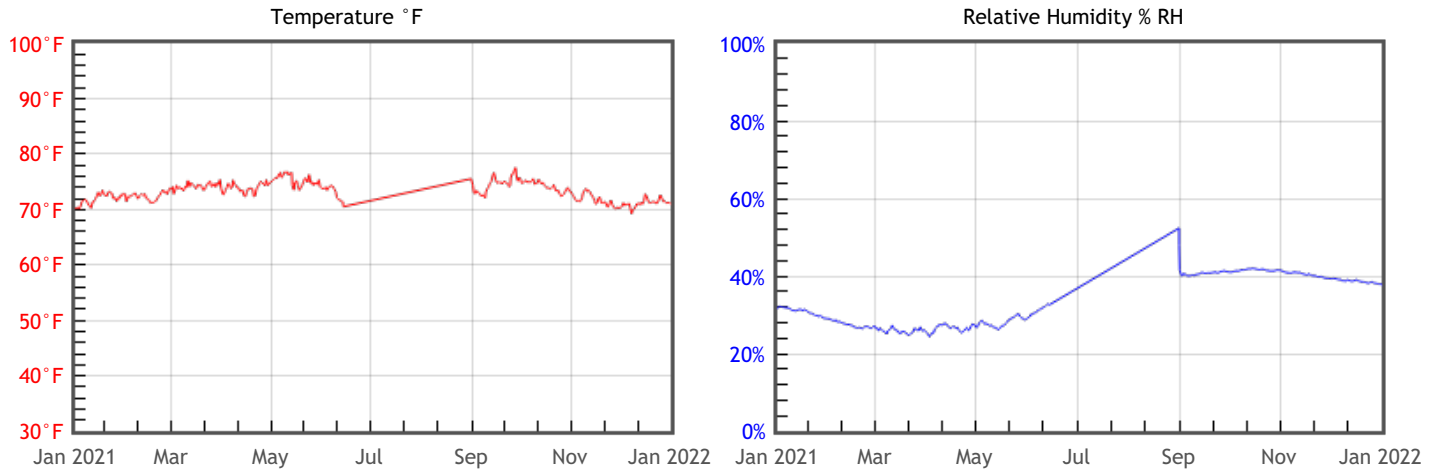


Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 46	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
Mechanical Damage Physical damage to hygroscopic materials	OK % DC = 1.12 % EMC min = 5.5 % 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.
Mold Risk Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	OK % 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



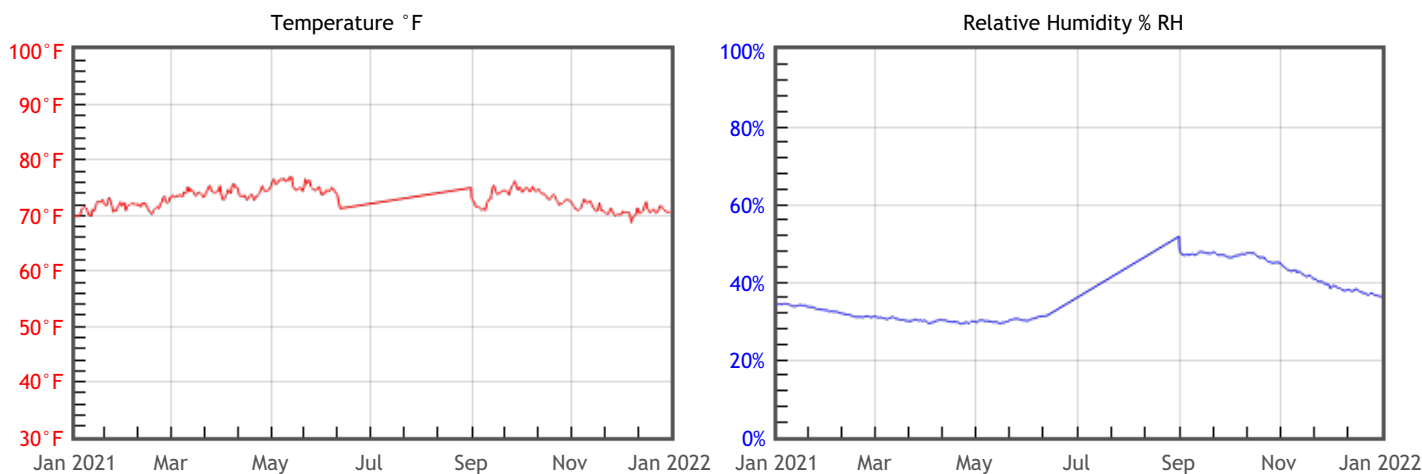
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	73.3	%RH Mean	33	DP °F Mean	42.2
T °F Median	73.4	%RH Median	31	DP °F Median	40.6
T °F Stdev	1.7	%RH Stdev	6	DP °F Stdev	4.9
T °F Min	68.5	%RH Min	24	DP °F Min	34.2
T °F Max	77.8	%RH Max	52	DP °F Max	57.1

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;">RISK</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.
Mechanical Damage Physical damage to hygroscopic materials	<div style="background-color: #808080; color: white; text-align: center; padding: 2px;">OK</div> % DC = 0.94 % EMC min = 6.1 % 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.
Mold Risk Mold growth in area or on collection objects	<div style="background-color: #008000; color: white; text-align: center; padding: 2px;">GOOD</div> MRF = 0	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	<div style="background-color: #808080; color: white; 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



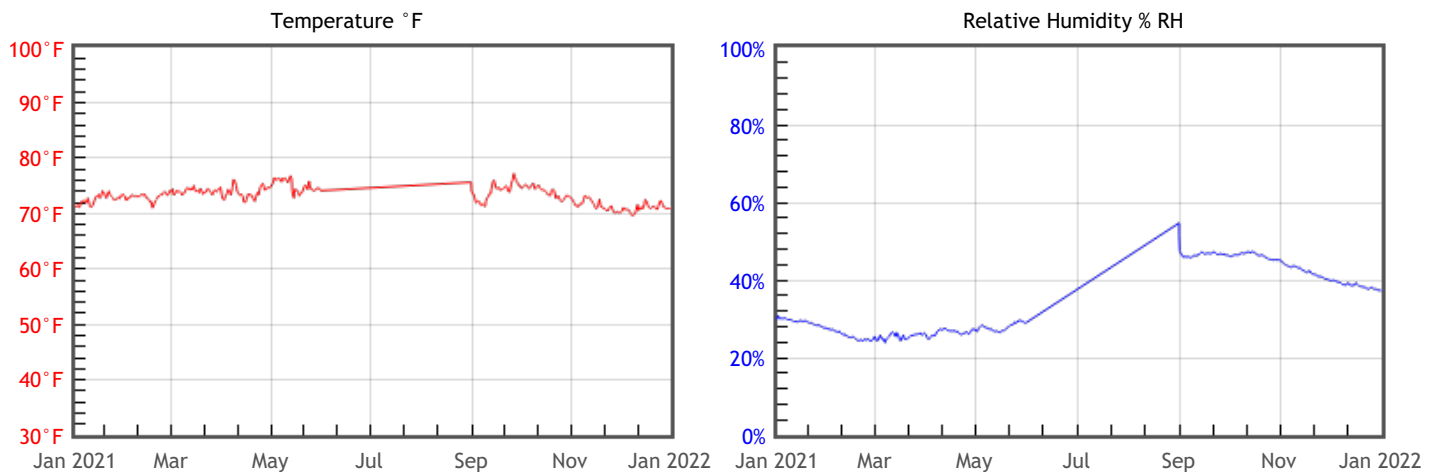
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	72.9	%RH Mean	36	DP °F Mean	44.2
T °F Median	73	%RH Median	34	DP °F Median	42.2
T °F Stdev	1.8	%RH Stdev	7	DP °F Stdev	4.6
T °F Min	68.7	%RH Min	29	DP °F Min	37.9
T °F Max	77.5	%RH Max	52	DP °F Max	56.8

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	<div style="background-color: #800000; color: white; text-align: center; padding: 2px;">RISK</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.
Mechanical Damage Physical damage to hygroscopic materials	<div style="background-color: #808080; color: white; text-align: center; padding: 2px;">OK</div> % DC = 1.29 % EMC min = 5.3 % EMC max = 9.9	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.
Mold Risk 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.
Metal Corrosion Corrosion of metal components or objects	<div style="background-color: #808080; color: white; text-align: center; padding: 2px;">OK</div> % 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	73.2	%RH Mean	34	DP °F Mean	42.7
T °F Median	73.3	%RH Median	29	DP °F Median	40.1
T °F Stdev	1.6	%RH Stdev	9	DP °F Stdev	6.3
T °F Min	68.7	%RH Min	24	DP °F Min	33.1
T °F Max	77.2	%RH Max	55	DP °F Max	59.1