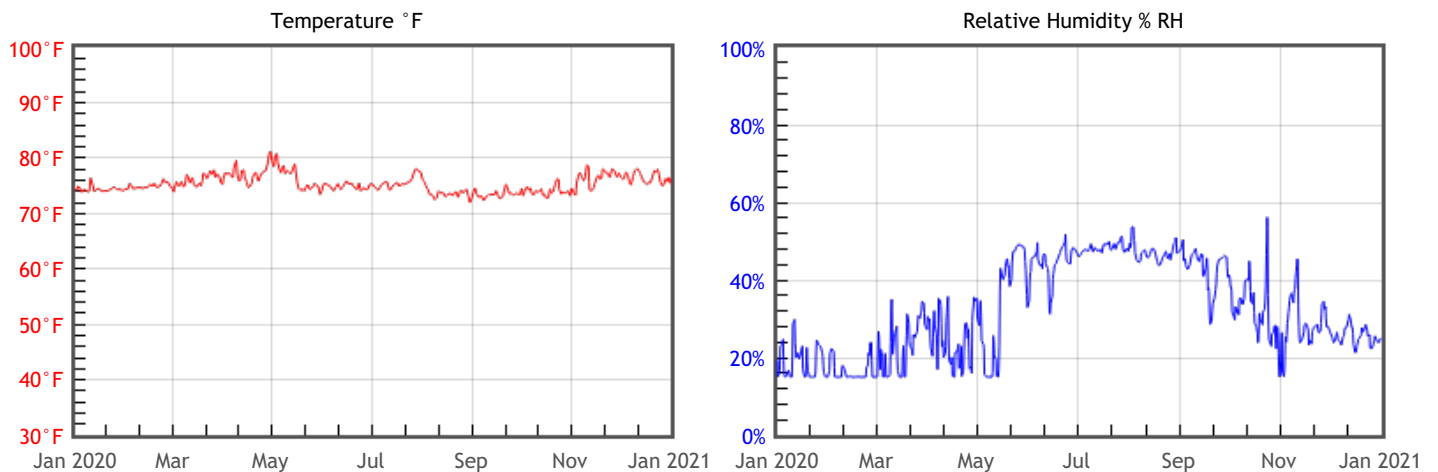


Preservation Environment Evaluation

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 = 41	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: #800000; color: white; text-align: center; padding: 2px;">RISK</div> % DC = 1.44 % EMC min = 3.9 % EMC max = 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.
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	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



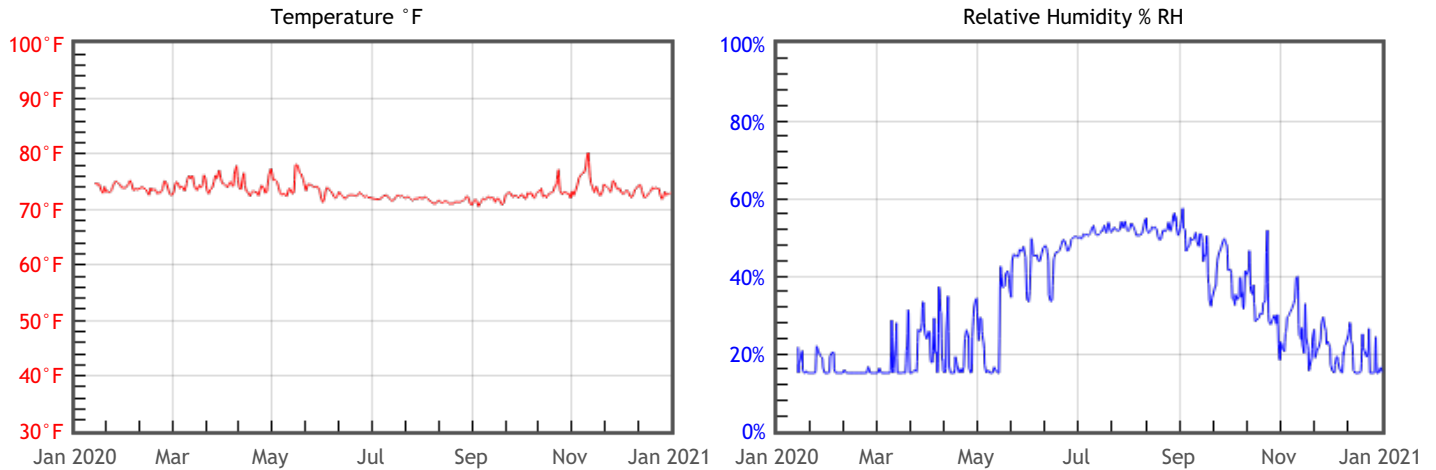
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	75.3	%RH Mean	32	DP °F Mean	41.8
T °F Median	75	%RH Median	30	DP °F Median	42.6
T °F Stdev	1.6	%RH Stdev	12	DP °F Stdev	10.6
T °F Min	72	%RH Min	15	DP °F Min	22.8
T °F Max	81.7	%RH Max	56	DP °F Max	61

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 47	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	RISK % DC = 1.69 % EMC min = 3.5 % EMC max = 9.6	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.
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 = 9.6	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



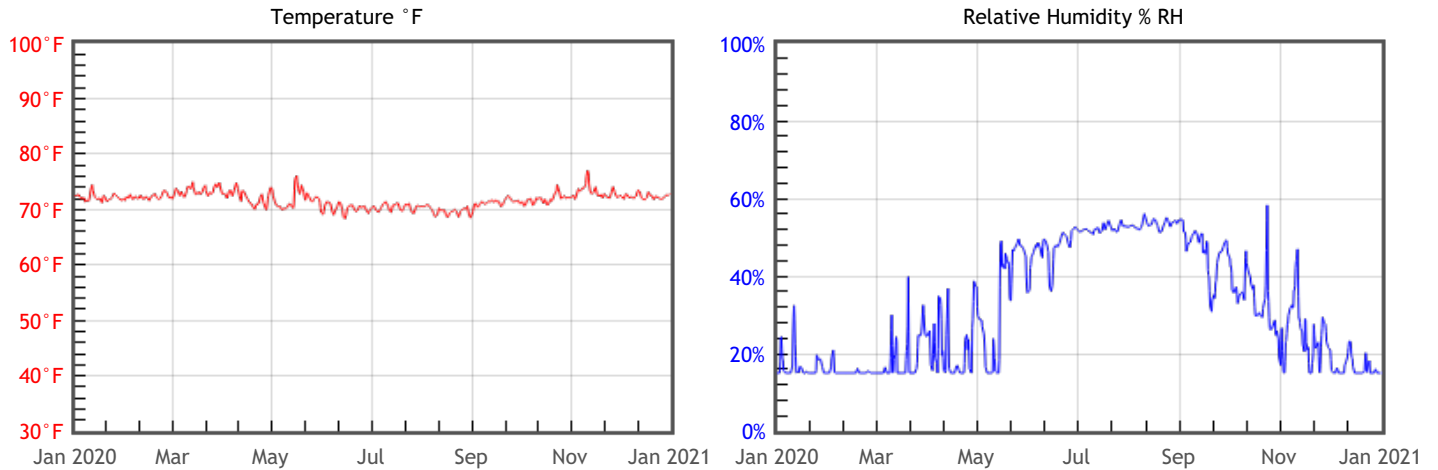
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	73.3	%RH Mean	32	DP °F Mean	39.1
T °F Median	73	%RH Median	29	DP °F Median	40.1
T °F Stdev	1.5	%RH Stdev	15	DP °F Stdev	12.1
T °F Min	70.5	%RH Min	15	DP °F Min	21.7
T °F Max	80.7	%RH Max	59	DP °F Max	59

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK 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
Mechanical Damage Physical damage to hygroscopic materials	RISK % DC = 1.74 % EMC min = 3.5 % EMC max = 9.8	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.
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 = 9.8	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



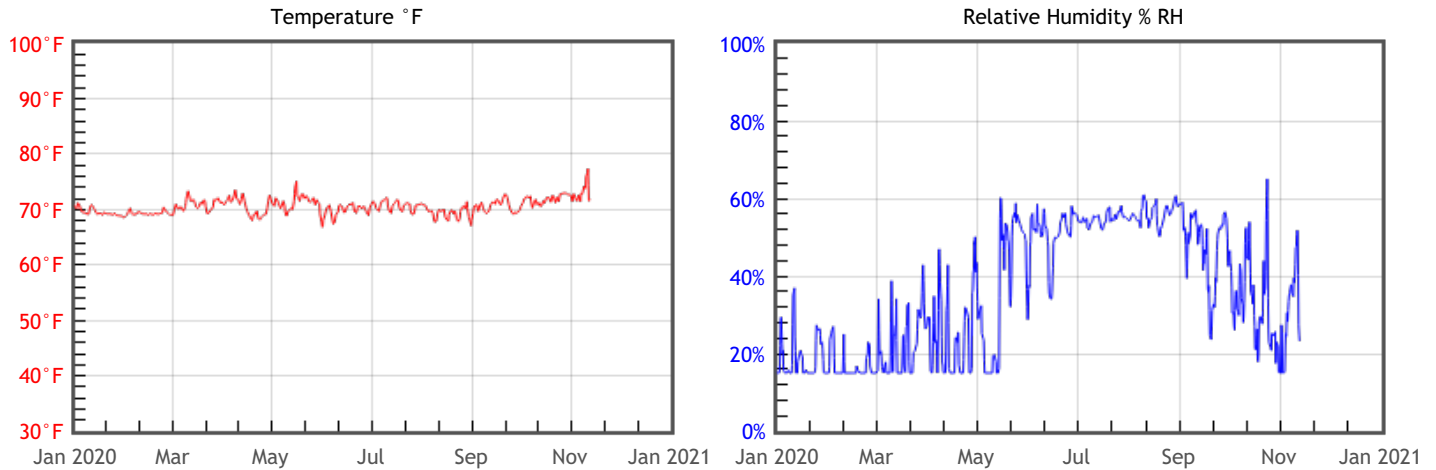
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	71.7	%RH Mean	32	DP °F Mean	37.3
T °F Median	71.9	%RH Median	28	DP °F Median	37.9
T °F Stdev	1.4	%RH Stdev	15	DP °F Stdev	12.6
T °F Min	68.1	%RH Min	15	DP °F Min	19.3
T °F Max	78.1	%RH Max	58	DP °F Max	60

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK 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
Mechanical Damage Physical damage to hygroscopic materials	RISK % DC = 1.78 % EMC min = 3.9 % EMC max = 10.3	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.
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 = 10.3	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



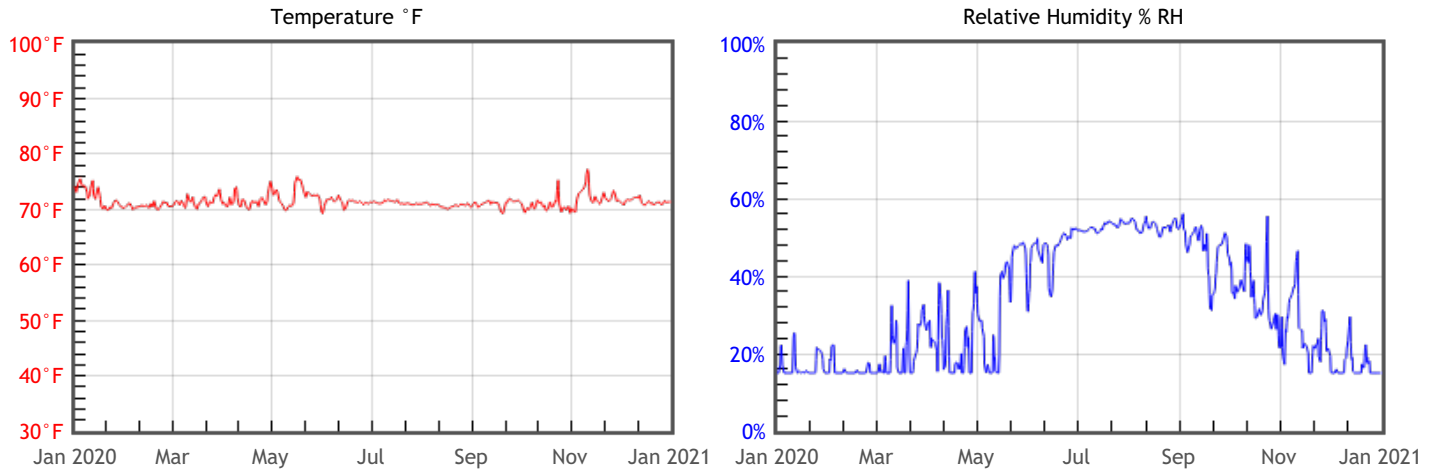
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	70.5	%RH Mean	36	DP °F Mean	39.5
T °F Median	70.4	%RH Median	35	DP °F Median	42.1
T °F Stdev	1.4	%RH Stdev	17	DP °F Stdev	13.5
T °F Min	66.8	%RH Min	15	DP °F Min	18.2
T °F Max	77.6	%RH Max	65	DP °F Max	61.8

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK 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
Mechanical Damage Physical damage to hygroscopic materials	RISK % DC = 1.68 % EMC min = 3.7 % EMC max = 9.7	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.
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 = 9.7	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	71.4	%RH Mean	32	DP °F Mean	37.5
T °F Median	71.2	%RH Median	29	DP °F Median	38
T °F Stdev	1.2	%RH Stdev	15	DP °F Stdev	13
T °F Min	69	%RH Min	15	DP °F Min	19.6
T °F Max	78.1	%RH Max	60	DP °F Max	59.7