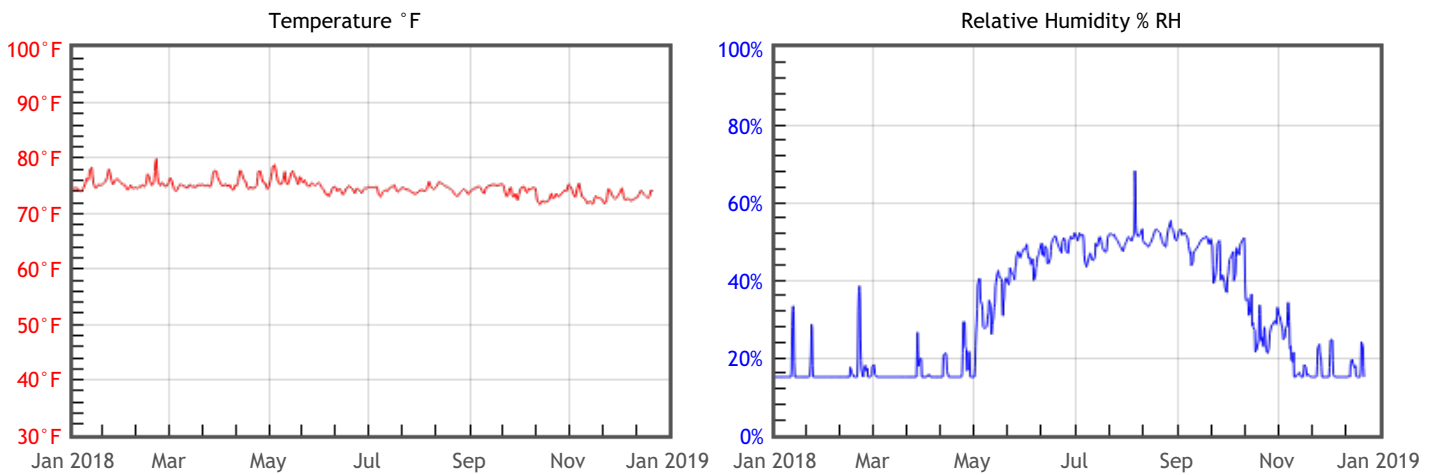


Preservation Environment Evaluation

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: #800000; color: white; text-align: center; padding: 2px;">RISK</div> % DC = 1.68 % EMC min = 3.5 % EMC max = 9.5	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: #006400; 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



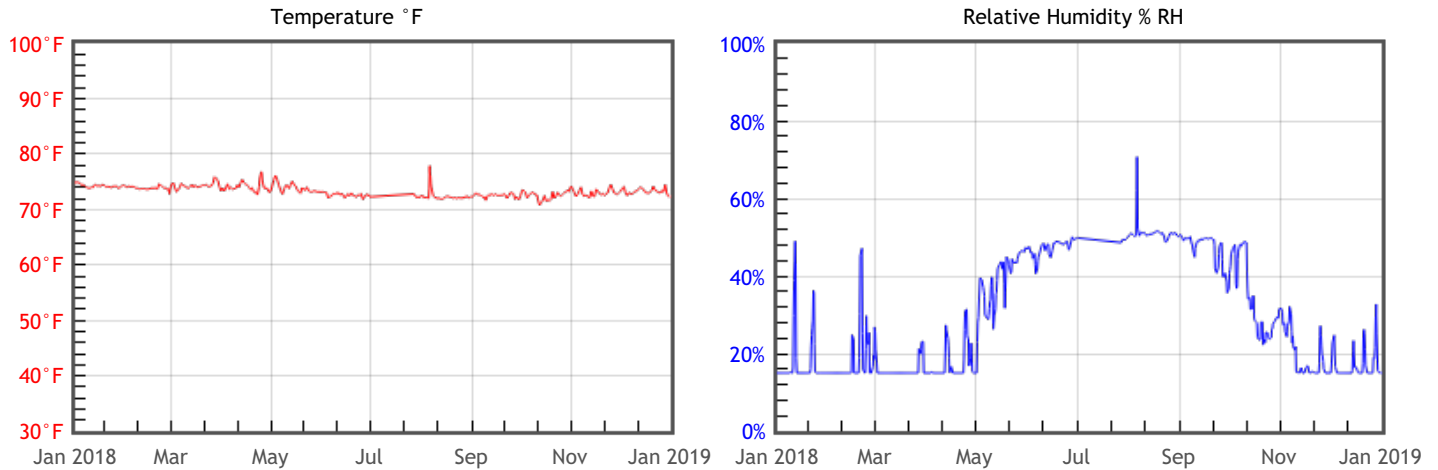
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	74.6	%RH Mean	31	DP °F Mean	39.1
T °F Median	74.6	%RH Median	28	DP °F Median	39.4
T °F Stdev	1.3	%RH Stdev	15	DP °F Stdev	13.6
T °F Min	71.5	%RH Min	15	DP °F Min	21.5
T °F Max	80.5	%RH Max	68	DP °F Max	65.1

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 49	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 = 1.59 % EMC min = 3.7 % EMC max = 9.4	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 = 9.4	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



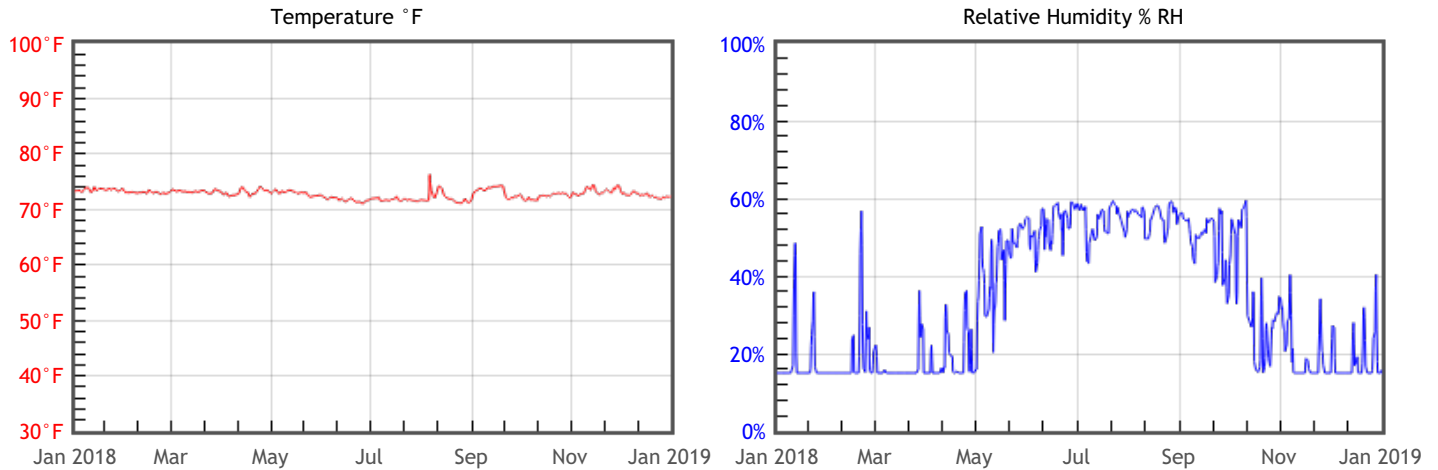
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	73.3	%RH Mean	30	DP °F Mean	36.8
T °F Median	73.2	%RH Median	25	DP °F Median	35.9
T °F Stdev	1	%RH Stdev	15	DP °F Stdev	12.8
T °F Min	70.6	%RH Min	15	DP °F Min	21.7
T °F Max	77.9	%RH Max	71	DP °F Max	66.9

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	RISK % DC = 1.87 % EMC min = 3.7 % EMC max = 10.4	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 = 0.04	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	OK % EMC max = 10.4	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



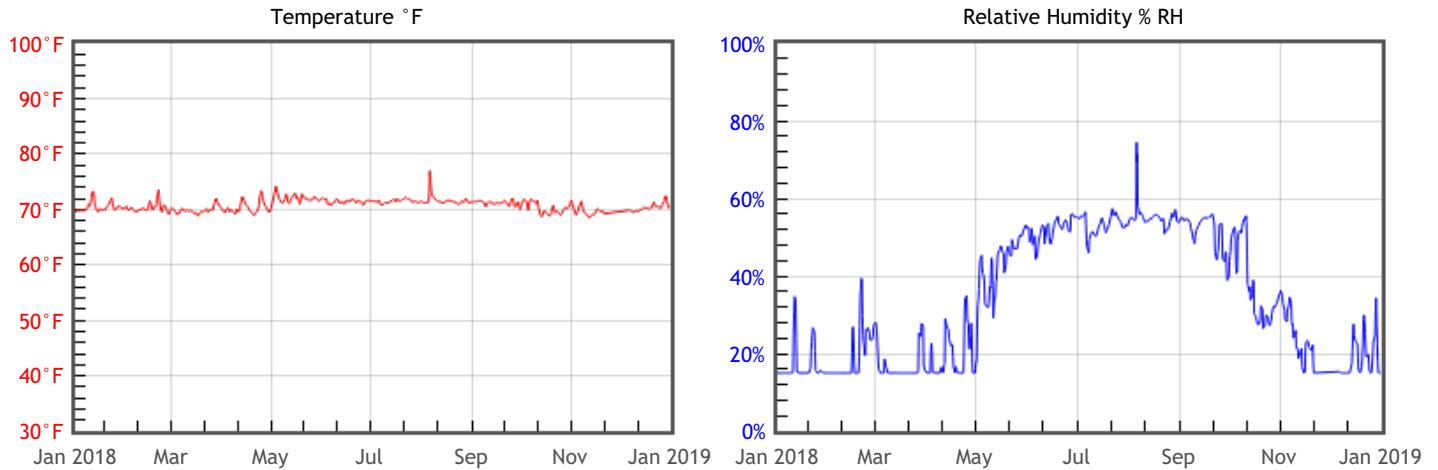
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	72.7	%RH Mean	34	DP °F Mean	38.8
T °F Median	72.8	%RH Median	29	DP °F Median	39.1
T °F Stdev	0.8	%RH Stdev	18	DP °F Stdev	14.3
T °F Min	70.9	%RH Min	15	DP °F Min	21.6
T °F Max	76.3	%RH Max	82	DP °F Max	69.2

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 = 1.81 % EMC min = 3.7 % EMC max = 10.2	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.
Mold Risk Mold growth in area or on collection objects	GOOD MRF = 0.01	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	OK % EMC max = 10.2	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	70.8	%RH Mean	35	DP °F Mean	38.6
T °F Median	70.9	%RH Median	33	DP °F Median	39.9
T °F Stdev	1	%RH Stdev	17	DP °F Stdev	14.2
T °F Min	68.4	%RH Min	15	DP °F Min	19.1
T °F Max	76.9	%RH Max	74	DP °F Max	66.6