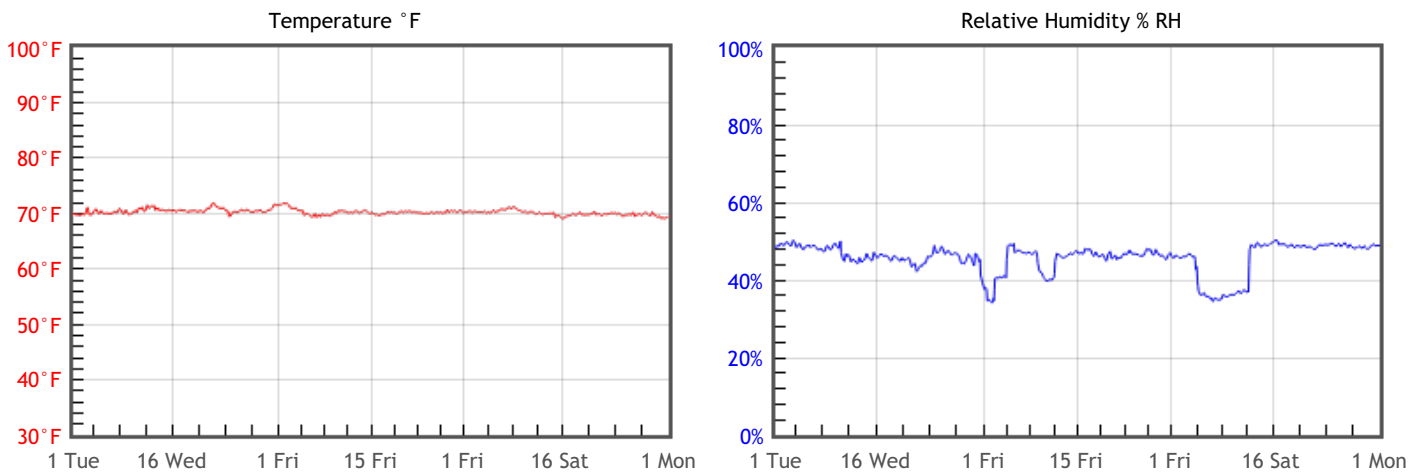


Preservation Environment Evaluation

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 = 42	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: #4CAF50; color: white; text-align: center; padding: 2px;">GOOD</div> % DC = 0.14 % EMC min = 8.3 % EMC max = 8.8	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
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: #9E9E9E; color: white; text-align: center; padding: 2px;">OK</div> % EMC max = 8.8	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



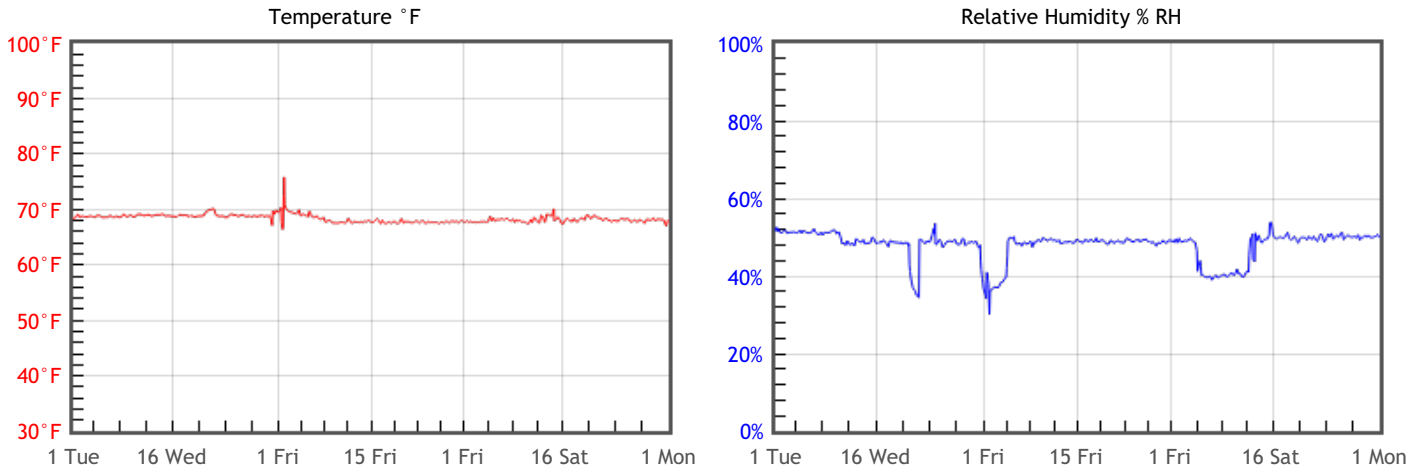
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	70.2	%RH Mean	46	DP °F Mean	48.2
T °F Median	70.1	%RH Median	47	DP °F Median	48.9
T °F Stdev	0.8	%RH Stdev	4	DP °F Stdev	2.3
T °F Min	68.3	%RH Min	34	DP °F Min	41.3
T °F Max	73.2	%RH Max	51	DP °F Max	51.2

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 45	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	GOOD % DC = 0.1 % EMC min = 8.8 % EMC max = 9.1	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
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 = 9.1	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	68.4	%RH Mean	48	DP °F Mean	47.8
T °F Median	68.4	%RH Median	49	DP °F Median	48.4
T °F Stdev	0.7	%RH Stdev	4	DP °F Stdev	2.3
T °F Min	65.5	%RH Min	30	DP °F Min	40
T °F Max	75.8	%RH Max	56	DP °F Max	52.9