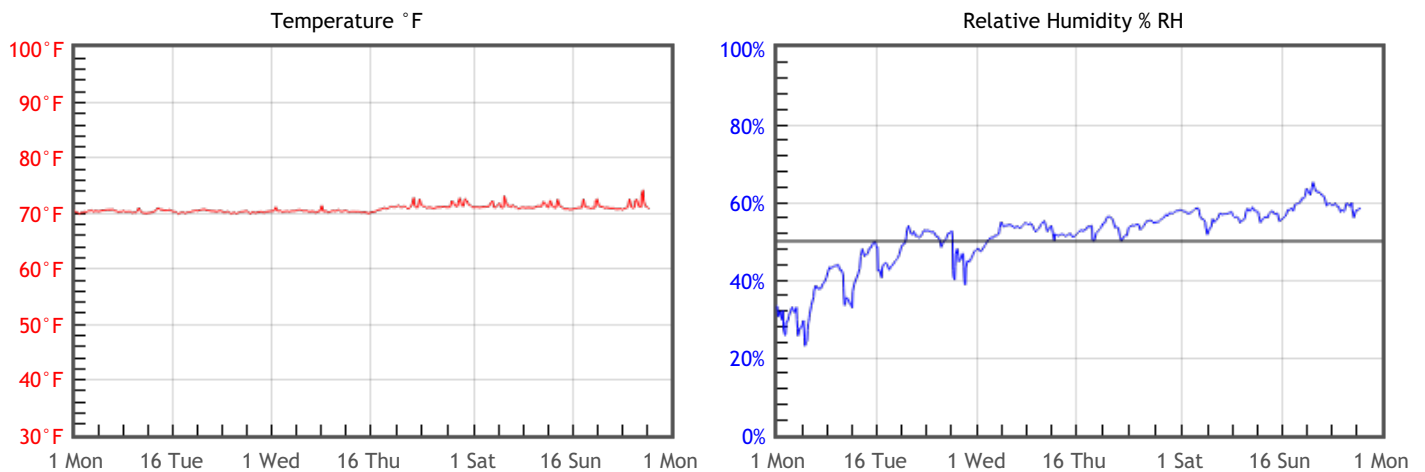


Preservation Environment Evaluation

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 = 38	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 = 0.68 % EMC min = 8.1 % EMC max = 10.6	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: #800000; color: white; text-align: center; padding: 2px;">RISK</div> % EMC max = 10.6	Heightened risk of metal corrosion due to extended periods of high levels of humidity.

Graphs



Statistics

Temperature		Relative Humidity		Dew Point		T Limits		%RH Limits	
T °F Mean	70.8	%RH Mean	51	DP °F Mean	51.5	T °F < 2	0%	%RH < 50	29.3%
T °F Median	70.7	%RH Median	53	DP °F Median	52.9	T °F > 2	100%	%RH > 50	70.7%
T °F Stdev	0.6	%RH Stdev	8	DP °F Stdev	5.2				
T °F Min	69.9	%RH Min	22	DP °F Min	29.8				
T °F Max	75.2	%RH Max	66	DP °F Max	61.1				