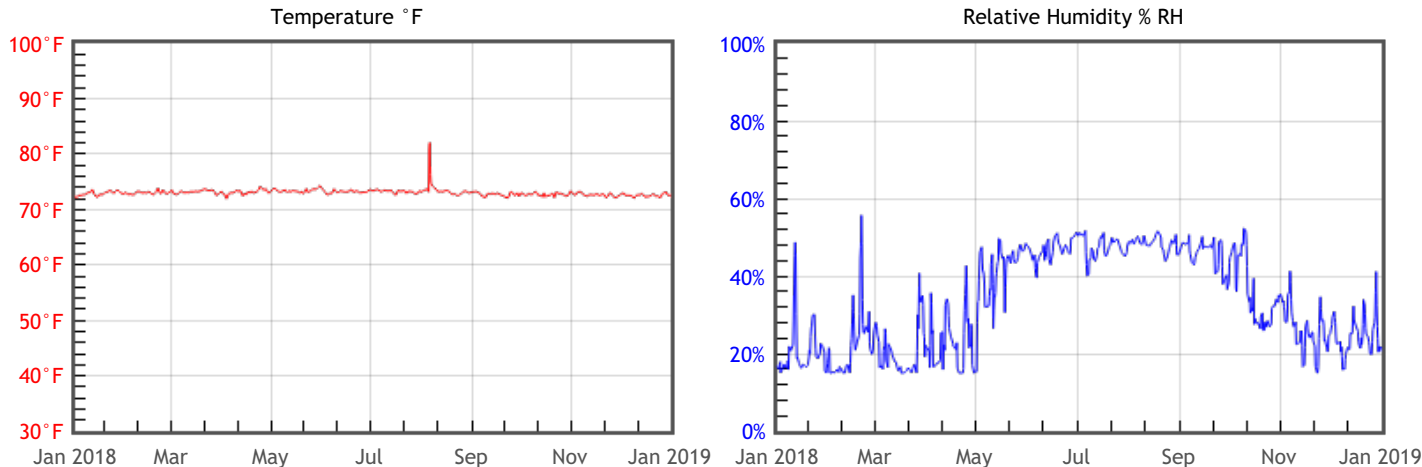


Preservation Environment Evaluation

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	RISK % DC = 1.33 % EMC min = 4.3 % 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	GOOD MRF = 0	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	OK % EMC max = 9	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

Graphs



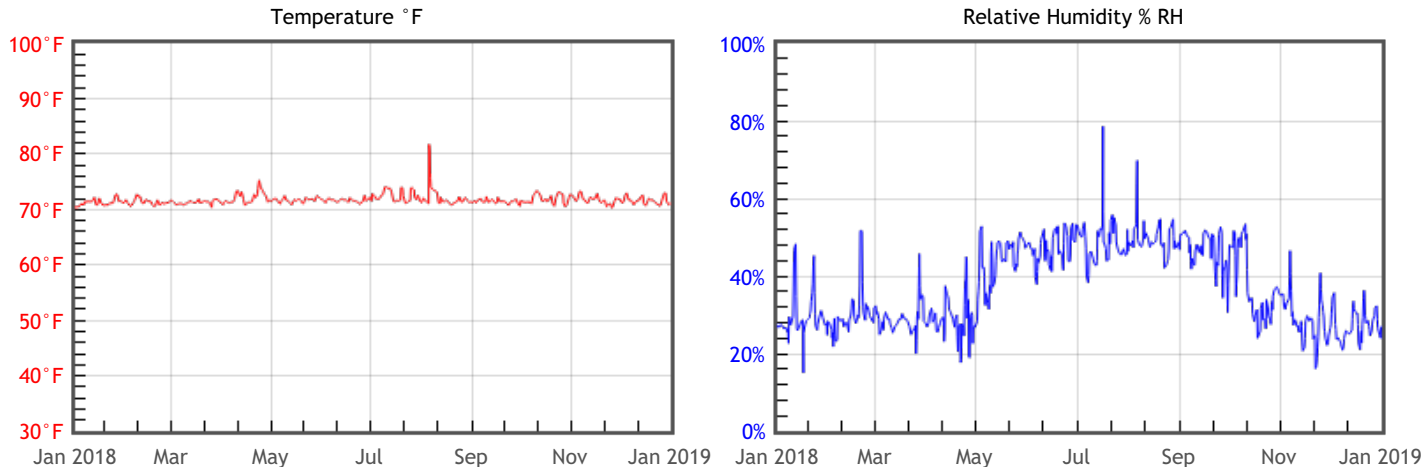
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	73	%RH Mean	34	DP °F Mean	40.8
T °F Median	73	%RH Median	33	DP °F Median	41.8
T °F Stdev	0.6	%RH Stdev	13	DP °F Stdev	11.1
T °F Min	65.2	%RH Min	15	DP °F Min	21.5
T °F Max	82.3	%RH Max	76	DP °F Max	70.5

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	OK % DC = 1.08 % EMC min = 5.5 % EMC max = 9.4	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 = 0.01	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	72	%RH Mean	37	DP °F Mean	43.5
T °F Median	71.7	%RH Median	35	DP °F Median	42.9
T °F Stdev	1.2	%RH Stdev	11	DP °F Stdev	8.2
T °F Min	69.8	%RH Min	15	DP °F Min	20.8
T °F Max	81.7	%RH Max	79	DP °F Max	70.8