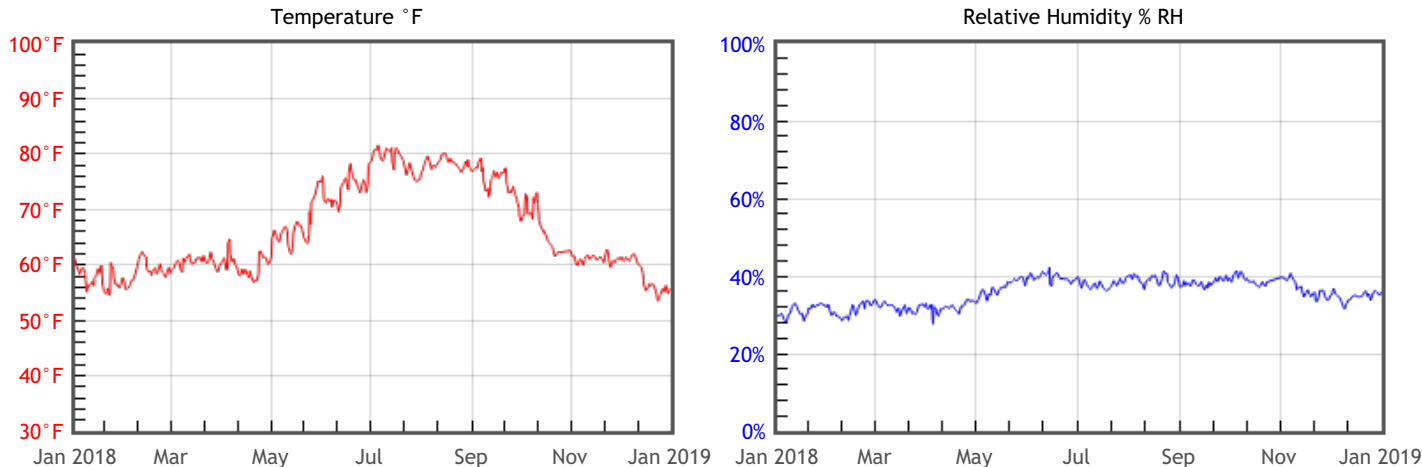


## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 59	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
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.36 % EMC min = 6.4 % EMC max = 7.7	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.7	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



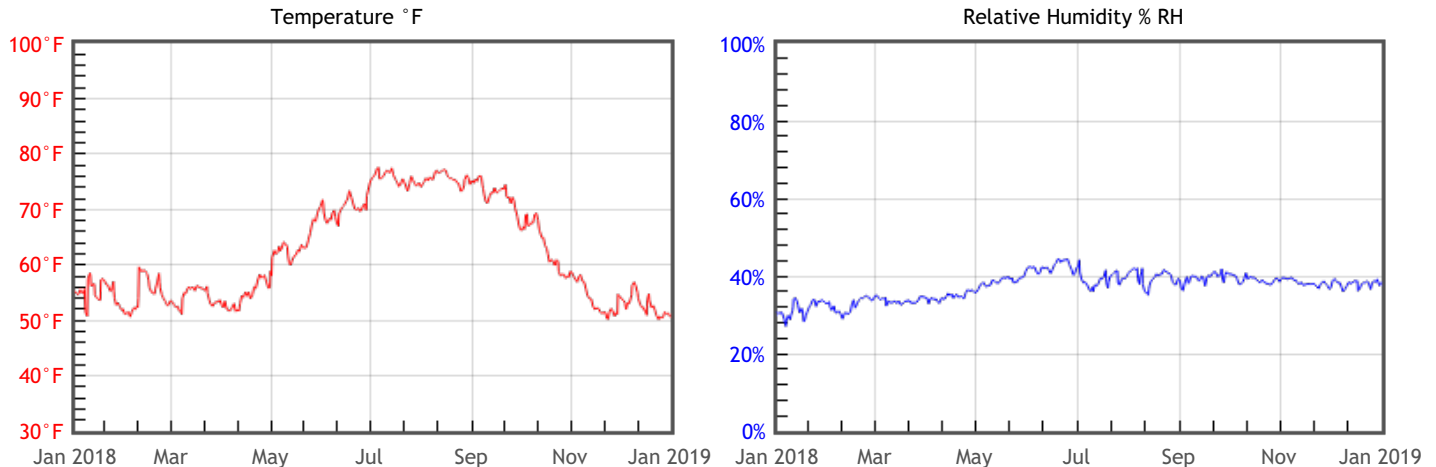
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	66.4	%RH Mean	36	DP °F Mean	38.3
T °F Median	63.2	%RH Median	36	DP °F Median	35.2
T °F Stdev	8.3	%RH Stdev	4	DP °F Stdev	9.3
T °F Min	53.2	%RH Min	26	DP °F Min	23.9
T °F Max	82.7	%RH Max	43	DP °F Max	55.1

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 74	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
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.4 % EMC min = 6.6 % EMC max = 8	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 8	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



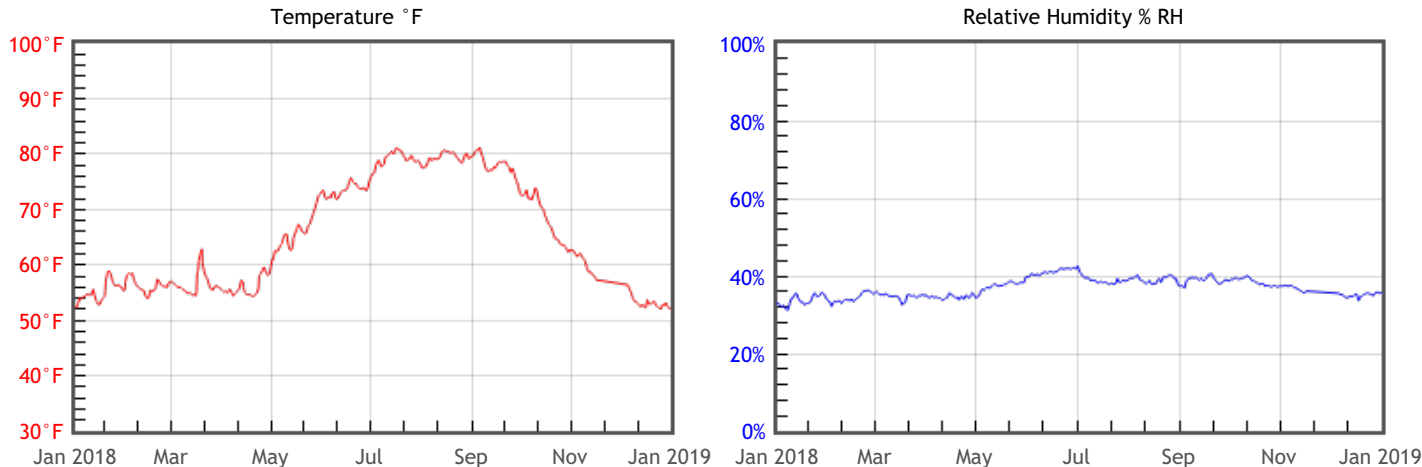
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	62.2	%RH Mean	37	DP °F Mean	35.7
T °F Median	59	%RH Median	38	DP °F Median	33.3
T °F Stdev	9.1	%RH Stdev	3	DP °F Stdev	9.7
T °F Min	49.8	%RH Min	25	DP °F Min	20.6
T °F Max	78.7	%RH Max	45	DP °F Max	51.4

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 57	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
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.25 % EMC min = 6.9 % EMC max = 7.8	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.8	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



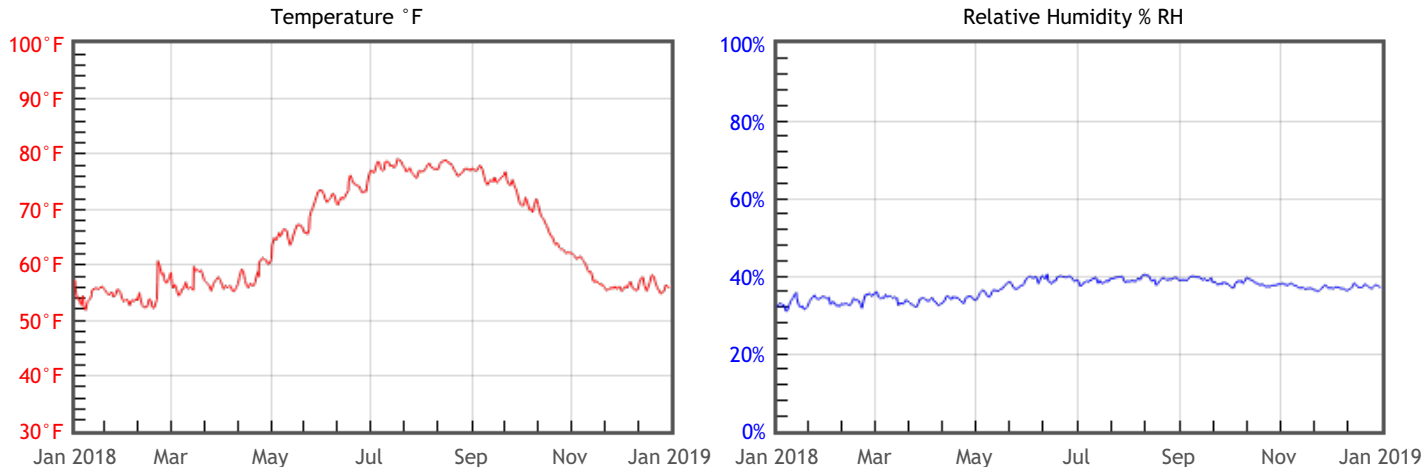
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	65.5	%RH Mean	37	DP °F Mean	38.5
T °F Median	63.4	%RH Median	37	DP °F Median	36.8
T °F Stdev	10.1	%RH Stdev	2	DP °F Stdev	10.4
T °F Min	51.6	%RH Min	31	DP °F Min	23.5
T °F Max	82	%RH Max	43	DP °F Max	54.2

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 63	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
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	GOOD % DC = 0.24 % EMC min = 6.7 % EMC max = 7.6	Minimal risk of physical damage to most hygroscopic materials such as paintings, rare books and furniture.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 7.6	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.

## Graphs



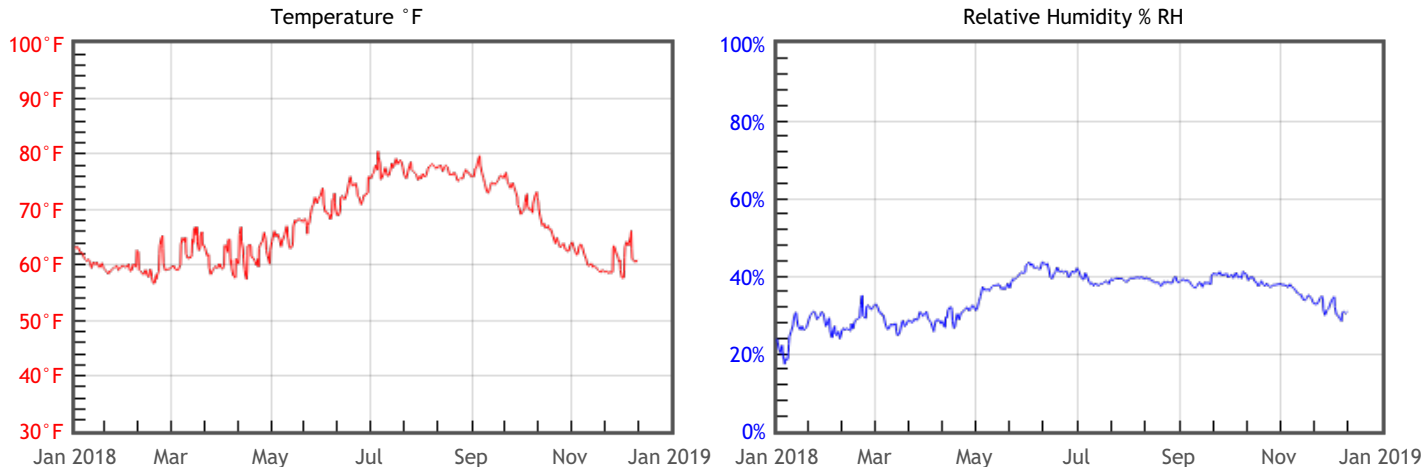
## Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	64.7	%RH Mean	37	DP °F Mean	37.6
T °F Median	62.1	%RH Median	37	DP °F Median	35.9
T °F Stdev	9.2	%RH Stdev	2	DP °F Stdev	9.6
T °F Min	50.9	%RH Min	28	DP °F Min	22
T °F Max	80.6	%RH Max	41	DP °F Max	52.5

## Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
<b>Natural Aging</b> Chemical decay of organic materials	OK TWPI = 59	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
<b>Mechanical Damage</b> Physical damage to hygroscopic materials	OK % DC = 0.67 % EMC min = 5.6 % EMC max = 8	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.
<b>Mold Risk</b> Mold growth in area or on collection objects	GOOD MRF = 0	Minimal risk of mold growth.
<b>Metal Corrosion</b> Corrosion of metal components or objects	OK % EMC max = 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	67.2	%RH Mean	35	DP °F Mean	38.1
T °F Median	65.3	%RH Median	37	DP °F Median	37.5
T °F Stdev	7	%RH Stdev	6	DP °F Stdev	9.7
T °F Min	56.2	%RH Min	16	DP °F Min	16
T °F Max	80.5	%RH Max	44	DP °F Max	54