

Remote 1

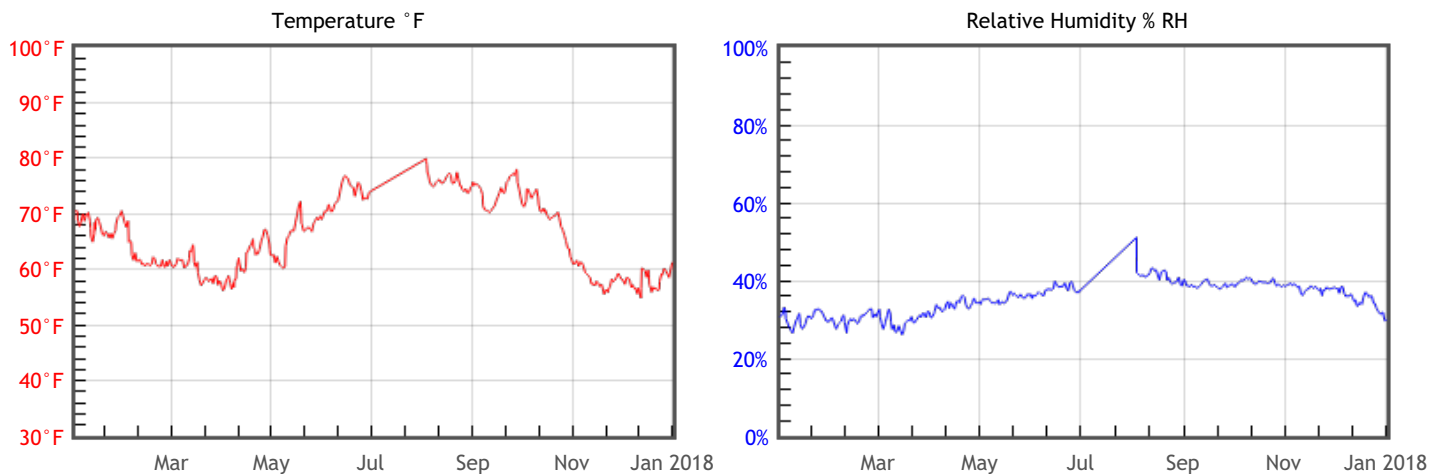
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2017-01-01 to 2017-12-30
11 months, 30 days

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 68	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 = 0.86 % EMC min = 6.2 % EMC max = 9.3	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	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	OK % EMC max = 9.3	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	65.3	%RH Mean	35	DP °F Mean	37.1
T °F Median	64	%RH Median	36	DP °F Median	35
T °F Stdev	6.7	%RH Stdev	4	DP °F Stdev	7.6
T °F Min	54.8	%RH Min	16	DP °F Min	13.3
T °F Max	79.9	%RH Max	51	DP °F Max	58.4

Remote 2

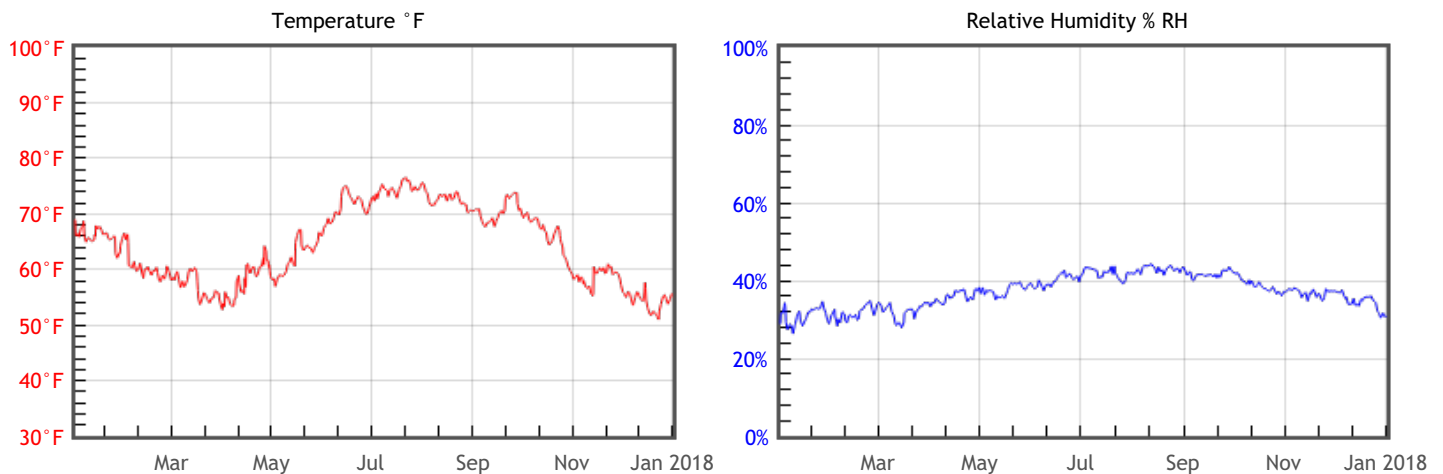
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2017-01-01 to 2017-12-30
 11 months, 30 days

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 73	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 = 0.5 % EMC min = 6.4 % EMC max = 8.2	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 = 8.2	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	63.4	%RH Mean	37	DP °F Mean	36.5
T °F Median	63	%RH Median	37	DP °F Median	33.7
T °F Stdev	7.1	%RH Stdev	4	DP °F Stdev	8.5
T °F Min	50.9	%RH Min	16	DP °F Min	10
T °F Max	77	%RH Max	49	DP °F Max	55.9

Remote 3

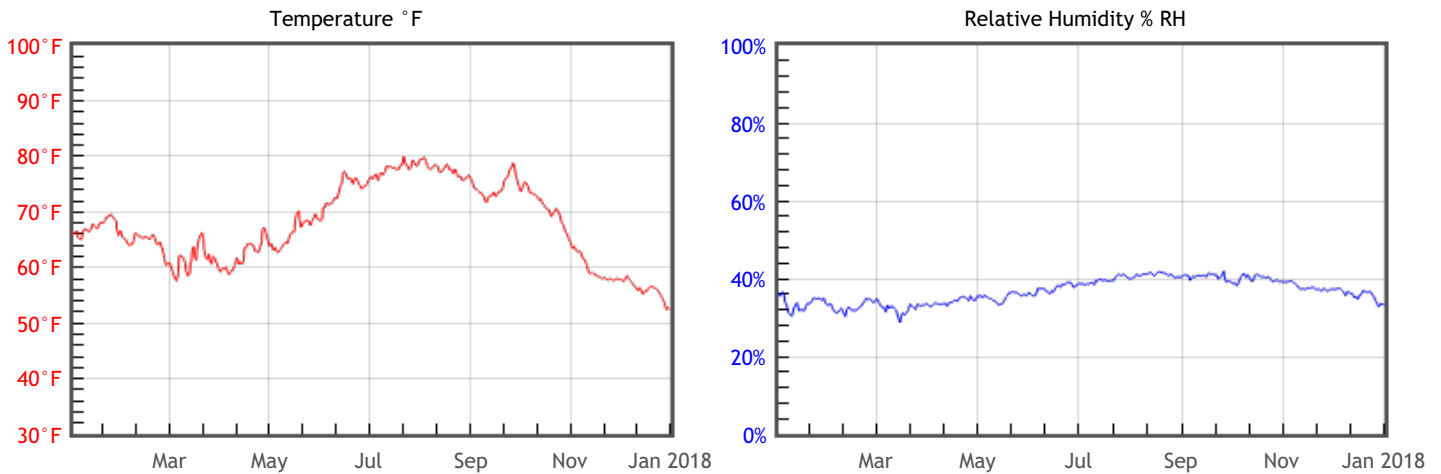
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2017-01-01 to 2017-12-30
11 months, 30 days

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging 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
Mechanical Damage Physical damage to hygroscopic materials	GOOD % DC = 0.36 % EMC min = 6.5 % EMC max = 7.8	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	GOOD MRF = 0	Minimal risk of mold growth.
Metal Corrosion 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	66.8	%RH Mean	37	DP °F Mean	39.4
T °F Median	66.2	%RH Median	37	DP °F Median	37
T °F Stdev	7.6	%RH Stdev	3	DP °F Stdev	8.2
T °F Min	52.3	%RH Min	28	DP °F Min	23.9
T °F Max	80.5	%RH Max	46	DP °F Max	56

Remote 4

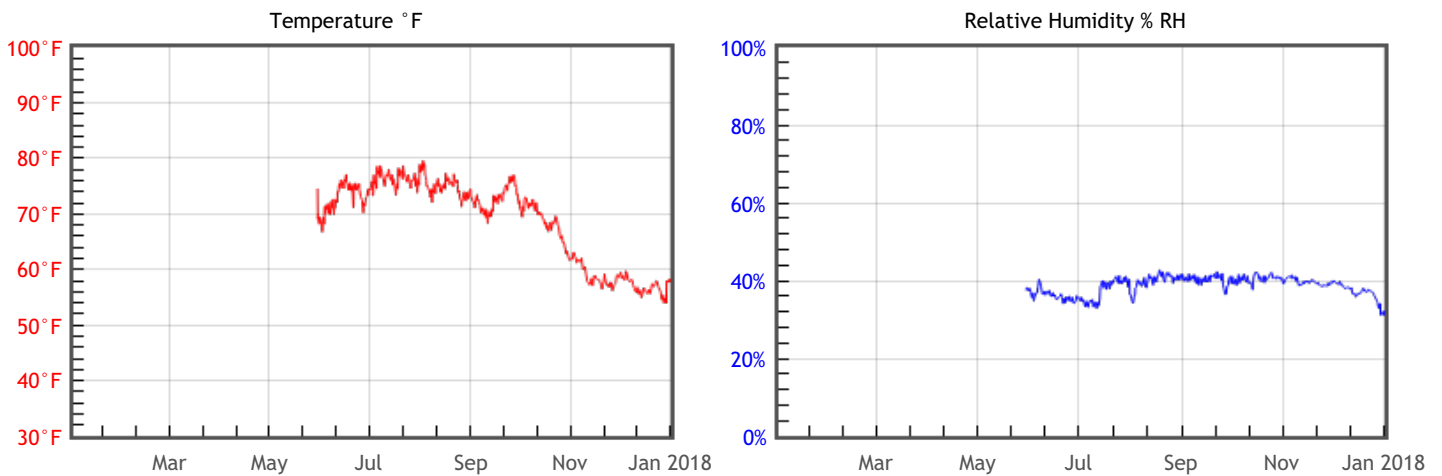
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2017-05-30 to 2017-12-30
7 months, 1 day

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 55	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 = 0.31 % EMC min = 6.9 % EMC max = 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	GOOD MRF = 0	Minimal risk of mold growth.
Metal Corrosion 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



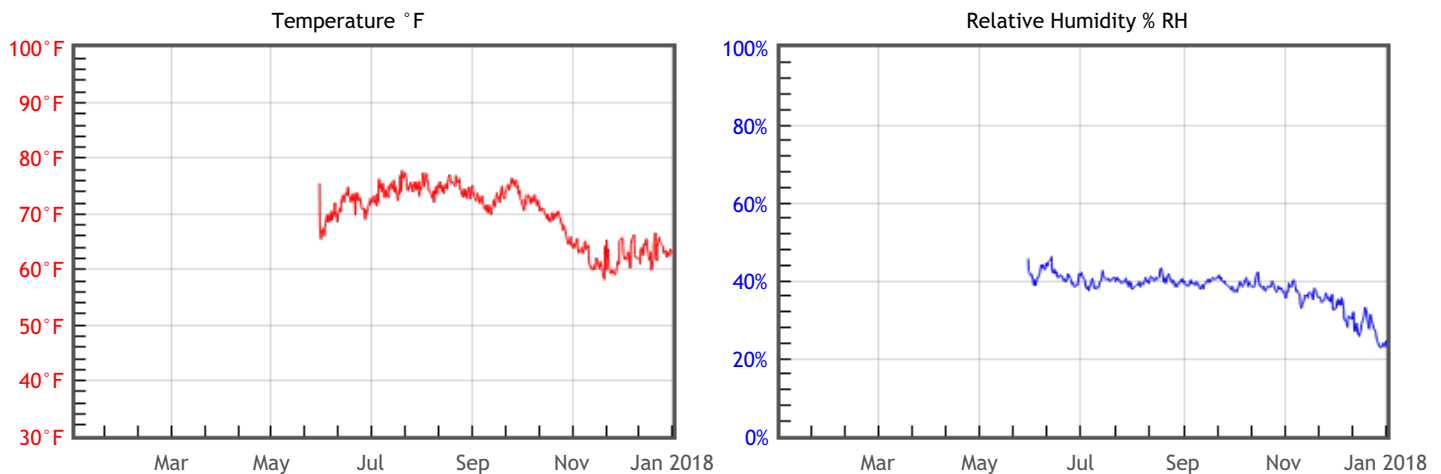
Statistics

Temperature		Relative Humidity		Dew Point	
T °F Mean	67.3	%RH Mean	38	DP °F Mean	41.1
T °F Median	70.4	%RH Median	39	DP °F Median	44.2
T °F Stdev	8.1	%RH Stdev	2	DP °F Stdev	7.5
T °F Min	53.4	%RH Min	29	DP °F Min	25.6
T °F Max	79.9	%RH Max	43	DP °F Max	52.3

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	OK TWPI = 52	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 = 0.54 % EMC min = 5.9 % EMC max = 7.8	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.
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 = 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	69.1	%RH Mean	37	DP °F Mean	41.3
T °F Median	70.5	%RH Median	39	DP °F Median	44.6
T °F Stdev	5.3	%RH Stdev	5	DP °F Stdev	7.8
T °F Min	58.1	%RH Min	21	DP °F Min	22.4
T °F Max	78.7	%RH Max	46	DP °F Max	53.2