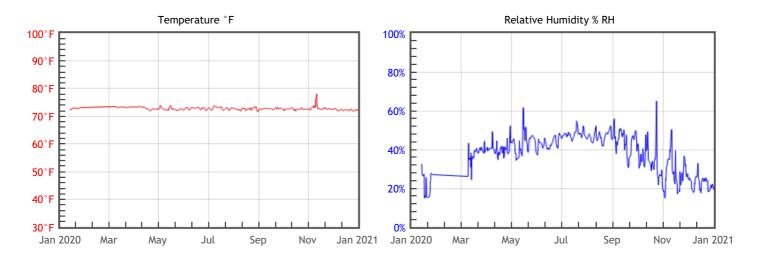
DMC North Stacks

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Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments		
Natural Aging Chemical decay of organic materials	RISK TWPI = 41	Accelerated rate of chemical decay in all organic materials due to the cumulative effects of temperature and humidity, with especially high risk fast decaying organic materials such as acidic paper, color photographs an cellulosic plastics.		
Mechanical Damage Physical damage to hygroscopic materials	OK % DC = 1.09 % EMC min = 5 % EMC max = 8.9	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 = 8.9	Generally OK, but archeological or salt-encrusted metals may corrode due to extended periods of moderately high levels of humidity.		

Graphs



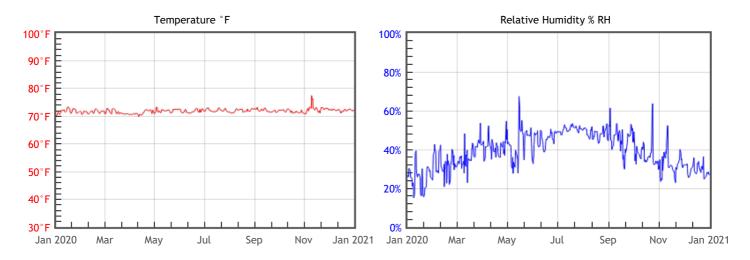
Statistics

Temperature		Relative Humidity		Dew Point	
T°F Mean	72.7	%RH Mean	38	DP°F Mean	44.8
T°F Median	72.8	%RH Median	40	DP°F Median	47.5
T°F Stdev	0.6	%RH Stdev	10	DP°F Stdev	8.1
T°F Min	71.2	%RH Min	15	DP°F Min	21.5
T°F Max	78.2	%RH Max	65	DP°F Max	62.7

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments		
Natural Aging Chemical decay of organic materials	RISK TWPI = 44	Accelerated rate of chemical decay in all organic materials due to the cumulative effects of temperature and humidity, with especially high risk fast decaying organic materials such as acidic paper, color photographs an cellulosic plastics.		
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	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 H	Relative Humidity		Dew Point	
T°F Mean	71.9	%RH Mean	39	DP°F Mean	44.8	
T°F Median	71.9	%RH Median	39	DP°F Median	45.6	
T°F Stdev	0.8	%RH Stdev	10	DP°F Stdev	7.1	
T°F Min	69.9	%RH Min	15	DP°F Min	20.7	
T°F Max	77.5	%RH Max	67	DP°F Max	62	