FINEARTS

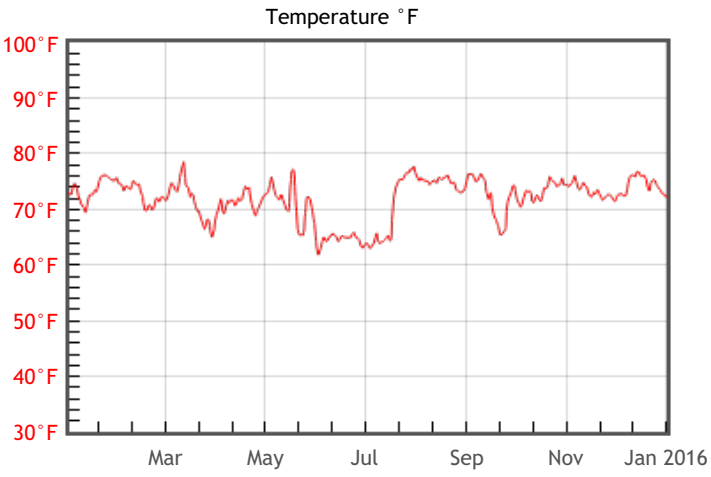
Tappan Hall • Fine Arts Library • 2nd Floor • Rare Book Cage
University of Michigan Library

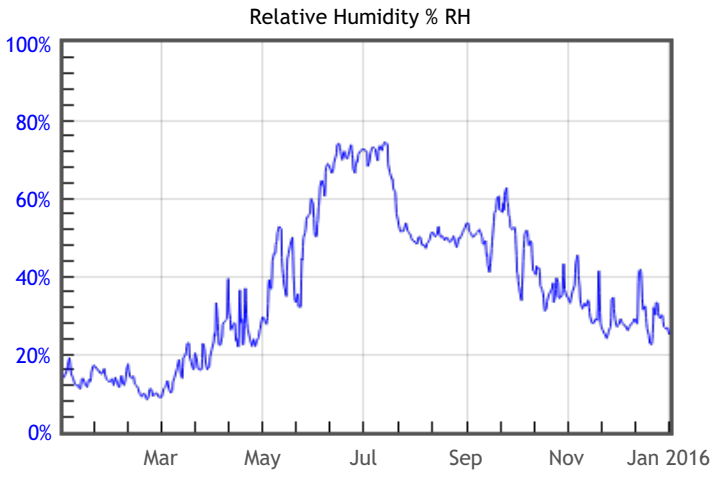
2015-01-01 to 2015-12-31
1 year

Preservation Environment Evaluation

Type of Decay	Risks & Metrics	Evaluation & General Comments
Natural Aging Chemical decay of organic materials	RISK TWPI = 43	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	RISK % DC = 3.02 % EMC min = 2.6 % EMC max = 13.4	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 = 0.33	Minimal risk of mold growth.
Metal Corrosion Corrosion of metal components or objects	RISK % EMC max = 13.4	Heightened risk of metal corrosion due to extended periods of high levels of humidity.

Graphs





Statistics

Temperature		Relative Humidity		Dew Point	
T°F Mean	71.8	**%RH Mean**	37	**DP°F Mean**	40.9
T°F Median	72.8	**%RH Median**	35	**DP°F Median**	43.8
T°F Stdev	3.8	**%RH Stdev**	19	**DP°F Stdev**	14.1
T°F Min	61.5	**%RH Min**	8	**DP°F Min**	5.7
T°F Max	79.7	**%RH Max**	75	**DP°F Max**	62.9