

Environmental Monitoring Report – Falconer Museum & Store

4th May 2023

Data logger Recommendations

The data loggers have been taken away to be calibrated by Gemini.

Handheld thermo-hygrometer weekly readings

<i>Museum Ground Floor (GF)</i>	20.7°C	44.7%
<i>Museum mezzanine</i>	20.8°C	44.6%

Summer temperatures not helped with a glass roof.

<i>Museum store GF</i>	19.1°C	47.3%
<i>Museum store 1st Floor</i>	18.8°C	45.7%

Data logger download data

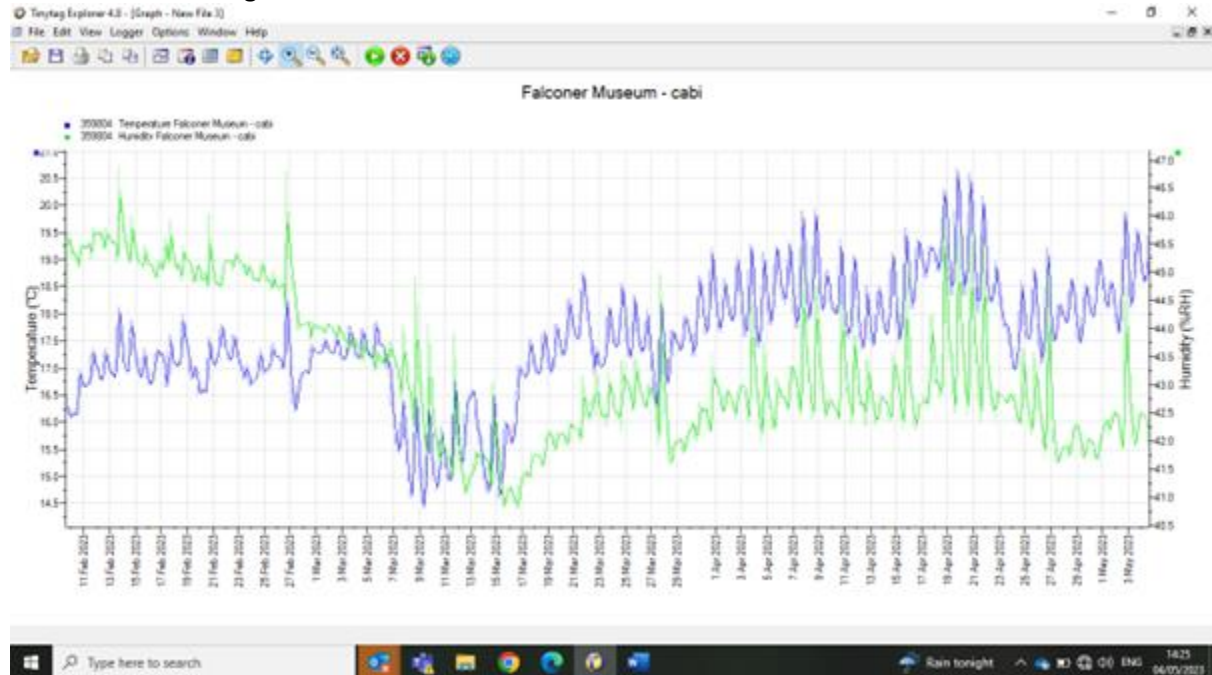
Museum

<i>Museum</i>	Temp °c	Relative Humidity %
<i>Min</i>	15.4°C	33.1%
<i>Max</i>	20.6°C	51.1%
<i>Average</i>	18.5°C	44.0%

<i>Museum Archaeological Cabinet</i>	Temp °c	Relative Humidity %
<i>Min</i>	14.4°C	40.1%
<i>Max</i>	20.7°C	46.4%
<i>Average</i>	18.5°C	43.5%

See graph below

Museum Archaeological cabinet with sword



The tiny tag graph shows the exhibition cabinet is generally stable, however the fluctuations are not controlled within the cabinet.

It is recommended to acquire humidity cassettes for all vulnerable collections. These are £57.60 inc VAT. These are set at various humidity's, so would acquire one for the sword cabinet set at 40% relative humidity. There is no temperature control, however the humidity would stop fluctuating from external influences.

Museum Store

Museum Store 1st F-front	RH%	Temp °c
Min	13.1°C	45.0%
Max	18.1°C	55.2%
Average	16.0°C	51%

Museum Store 1st F-back	RH%	Temp °c
Min	16.7°C	37.5%
Max	18.8°C	48.3%
Average	17.2°C	44.0%

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