

Environmental Monitoring Report – Falconer Museum & Store

11th November 2023

Apologies for one reason or another I have not visited Falconers since May, the August visit I was scheduled with Jeanette, I came down with a horrible bug and had to cancel my diary for the week.

Handheld thermo-hygrometer weekly readings

Museum Ground Floor (GF)	20.2°C	38%
Museum mezzanine	20.5°C	38.0%

12 mths ago High Life Highland Conservation Service recommended the heating was reduced to 18c. It is recommended to turn the museum temperature down to 18c, the day time temperature inside the museum is currently too warm for collections and when the building is not occupied.

Data logger download data

Museum

Museum	Temp °C	Relative Humidity %
Min	18.2°C	40.7%
Max	25.0°C	65.8%
Average	20.0°C	54.0%

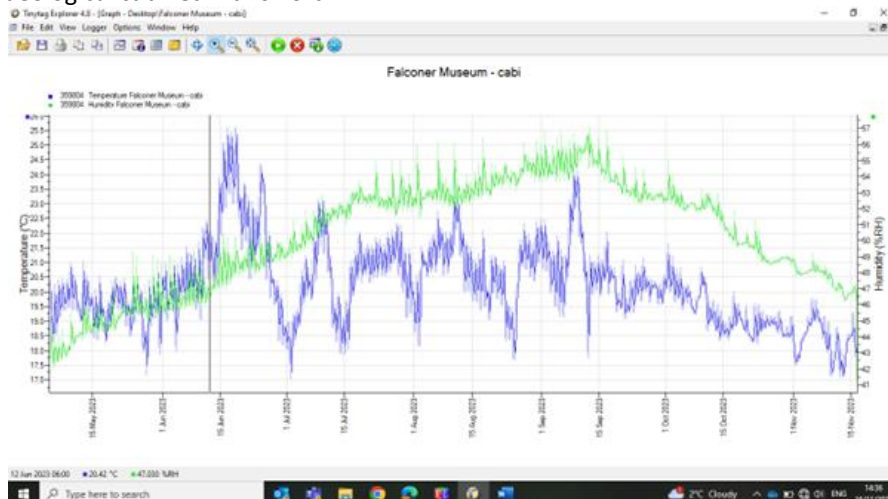
Insects

There were some wood lice located on insect blunder traps, with dusty plaster and frass, indicating the left corner (the right corner, when looking on the outside of the museum opposite the entrance) has damp issues, also evident externally.

Museum Archaeological Cabinet	Temp °C	Relative Humidity %
Min	17.1°C	42.2%
Max	25.3°C	56.7%
Average	20.5°C	50.0%

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.

The data is showing the cabinet is buffering the relative humidity outside the cabinet. Humidity cassettes are ordered and will be positioned in the cases in February, to stabilise the cabinets further.

Handheld thermo-hygrometer weekly readings

Museum store GF	14.0°C	62.0%
Museum store 1st Floor	13.0°C	60.0%

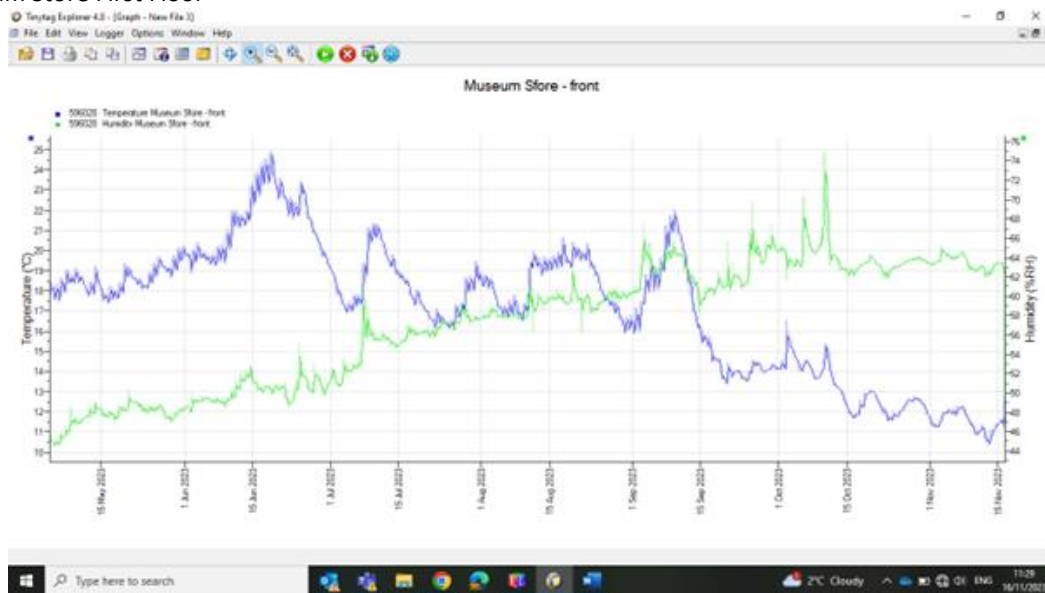
The radiators in the stores have been turned up for the winter months, which will also help bring down the humidity.

Museum Store

Museum Store GF	RH%	Temp °c
Min	10.8°C	47.8%
Max	33°C	*72.8%
Average	15.5°C	60%

*Please note the 72.8% reading was a spike on the graph, as mentioned the radiators have been turned up to reduce the relative humidity.

Museum Store First Floor



Museum Store 1st Floor	RH%	Temp °c
Min	10.3°C	44.5%
Max	24.0°C	74.2%
Average	16.0°C	57.0%

Moth traps clear

One moth found on a blunder trap.

All traps replaced

Richard Aitken ACR

High Life Highland Conservation Service

High Life Highland & Registration Centre.