



# **SKYELYNX DELUXE**

## **HOW TO DRAW GRAPHS**

**SKYE INSTRUMENTS LTD**  
**21, DDOLE ENTERPRISE PARK**  
**LLANDRINDOD WELLS**  
**POWYS, LD1 6DF**  
**UK**

**TEL: +44 (0)1597 824811**

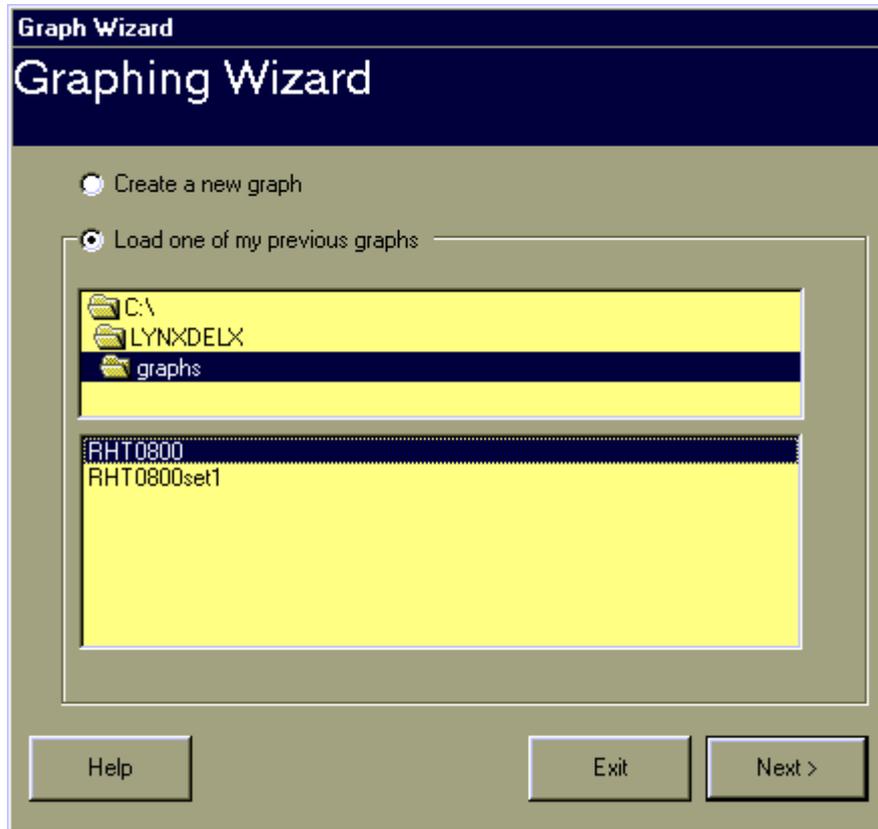
**FAX: +44 (0) 1597 824812**

**EMAIL: [skyemail@skyeinstruments.com](mailto:skyemail@skyeinstruments.com)**

**WEB: [www.skyeinstruments.com](http://www.skyeinstruments.com)**

## SKYELYNX DELUXE Graphing Data

Click on Data and graphing to launch the graphing wizard, which will guide you through the process.



From the Graphing Wizard, you can choose to create a new graph, or load a previously saved format. Initially you will need to create a new graph, so click on this button and then Enter. You may click on Back or help at any time during the Graphing Wizard routine as required.

### Graph Type

The wizard will take you through a series of choices for your graph, firstly the graph type. There are 6 formats to choose from:



**Normal Graph** – Standard straight plot line graph

**Degree Days** – Shows the amount of hours during which the temperature was over a specified Threshold (bar chart)

**MegaJoules Per Days** – Shows the amount of MegaJoules per day (bar chart)

**Sunshine Total Hours** - shows total hours of sunshine for each day (bar chart)

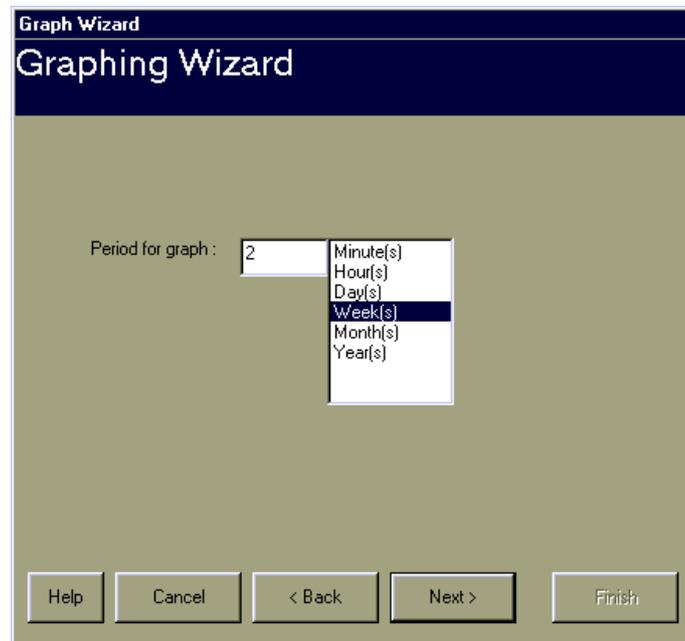
**Daily Totals** – General totals per day for any type of reading (bar chart)

**WindRose** – Compass style plot of Wind Direction and Wind Speed

See the SkyeLynx Deluxe manual for more detailed explanations of these graph types. This example shows a Normal line graph. If you are loading a previous graph, you may simply click Finish at this point. If you are drawing a new graph, chose your type of graph and click Next.

## Graphing Period

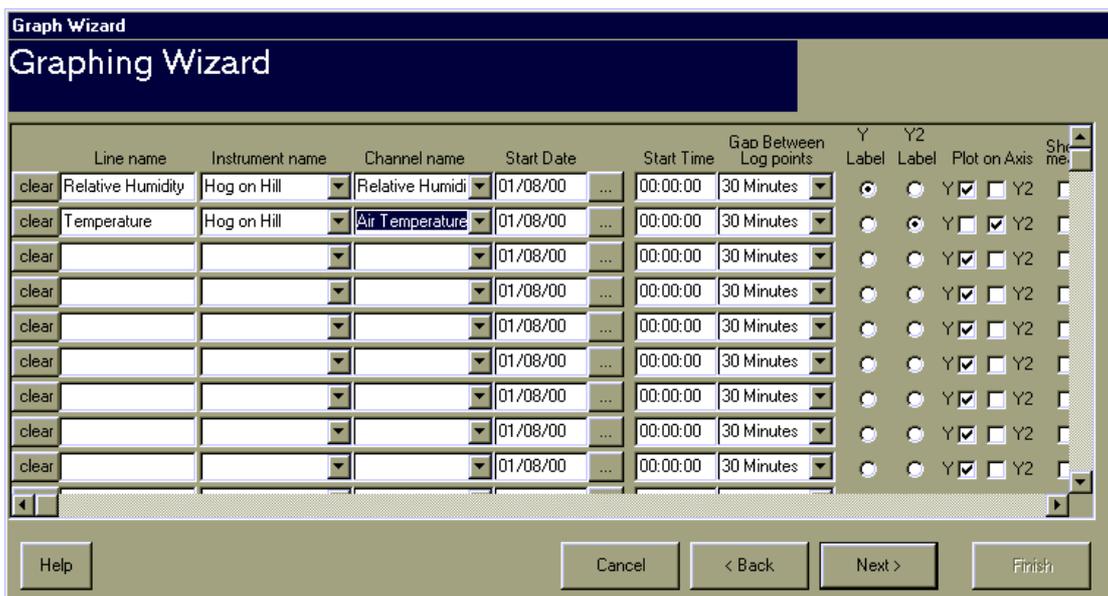
The next choice to make is the time period for the graph. Chose a number of days, weeks, months etc.



The Graphing period is set once for the whole graph, every other setting is set individually for every instrument. Click Next to continue.

## Graph Setup

This window allows the individual components of the graph to be chosen. Up to 10 lines can be assigned.



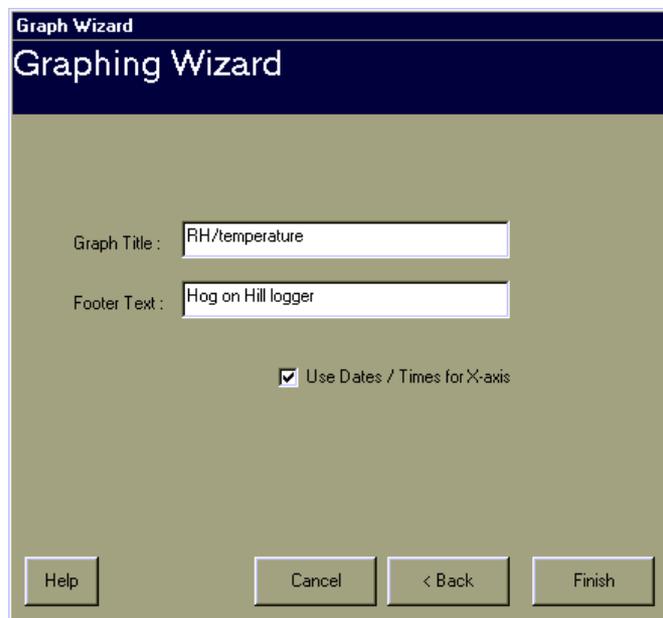
For every line you must enter the following details,

- Line Name** - The name you wish to assign to the line. This will be used in the Legend Etc. to identify the individual lines. We recommend that you use meaningful names for your lines, e.g. "Temp. in Greenhouse" as opposed to "Line 1".
- Instrument Name** - Use the pull down menu to select the Instrument Profile that you are going to use for this line.
- Channel Name** - Use the pull-down menu to select the channel that you wish to graph, you will only be able to select channels from the Instrument Profile that you have selected for the channel.
- Start Date** - .Set start date for the graph period. Click on the button marked "... " to reveal a calendar. Choose the year, month and day, click OK. You will be asked if you want this to be the same start date for each line, which can save time when setting up multiple line graphs.
- Start Time** - Set start date for the graph period. Use the format HH:MM:SS. You will be asked if you want this to be the same start time for each line, which can save time when setting up multiple line graphs.
- Gap between log points** - This is the 'logging interval' the data has been collected at. You will be asked if you want this to be the same interval for each line, which can save time when setting up multiple line graphs.
- Y Axis label** - Place a tick to choose if you want the Y1 or Y2 axis to be labelled with the units for this channel
- Plot on Axis** - Place a tick to choose if you want this line plotted on the Y1 or the Y2 axis
- Show Mean** - Place a tick to choose if you want a mean value to be plotted for this line

Click next to continue.

## Graph Titles / X Axis labels

Use this option to add titles to your graph if wished. Titles can be left blank if preferred.



Graph Wizard

### Graphing Wizard

Graph Title : RH/temperature

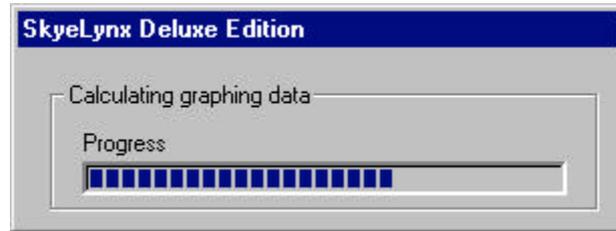
Footer Text : Hog on Hill logger

Use Dates / Times for X-axis

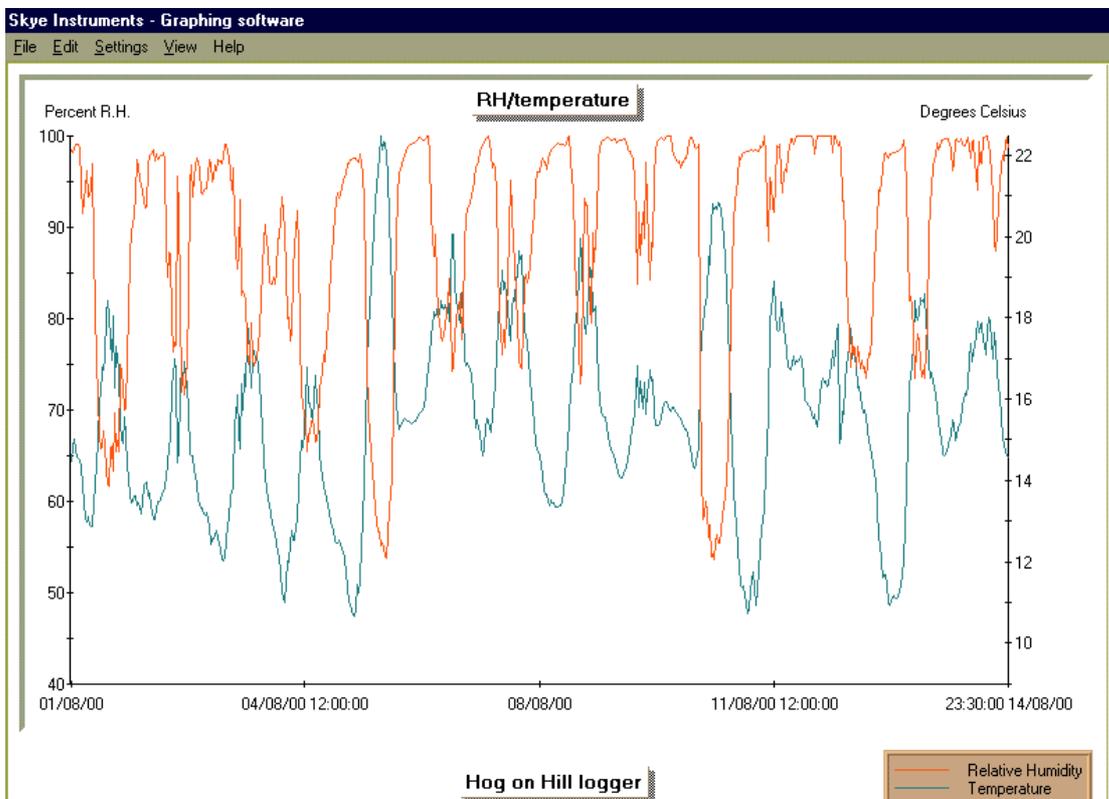
Help Cancel < Back Finish

Click Finish to plot the graph. This may take just a few seconds or a few minutes, depending on the amount of data and length of time to graph.

Whilst the graph is being plotted, you will see a progress bar as shown opposite to indicate how long it is likely to be before

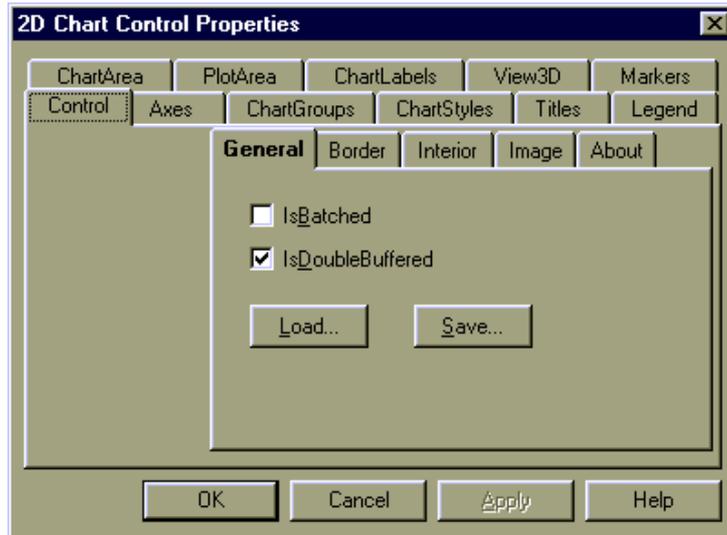


The graph drawn from the example above is shown below:



## Changing Graph Settings

By clicking the right hand mouse button on the graph plot area, a new window will appear to allow the graph to be totally customised.



Click on the 'tabs' to choose which items to change. Settings can be saved as required.