

Imaging Associates International
ABN 18 856 256 010
ACN 005 457 787

Arlunya VFX Mk1 Data logging Programs.

Overview-Software.

The Arlunya VFX Mk1 Data Logging System is a software product available in Free and Paid For versions. They both measure two Temperatures.

They are:

Arlunya VFX Mk1S-2T-Fr.exe ----- which is a Free Product.

and

Arlunya VFX Mk1L-2T-Pa.exe ----- which is a Paid for Product.

They both have Graphical Facilities provided by LiveGraph 1.14 which is free and available from our data logging site at

www.sustainabilitymeasurement.com

and from the Developers of LiveGraph at

www.live-graph.org/index.html

The two products are similar but note:

- * Arlunya VFX Mk1L-2T-Pa.exe has **Real Time** CSV interface to LiveGraph.
- * Arlunya VFX Mk1S-2T-Fr.exe has only **Stored** CSV interface to LiveGraph.

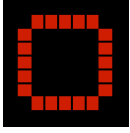


email

[:Arlunya.software@gmail.com](mailto:Arlunya.software@gmail.com) ----- for Software Support

or

email: Dindima.hardware@gmail.com ----- for Hardware Support



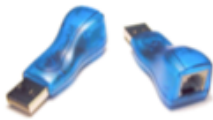
Arlunya VFX Mk1 Data logging Programs.

Overview Hardware.

The Arlunya VFX Mk1 software measures two temperatures and requires Maxim/Dallas components identified below.

One USB to One Wire RJ11 driver ===and=== Two Maxim Temperature sensor

Maxim DS 9490R# part no.



Maxim DS 18B20 part no.



These components may be purchased with Building Instructions as components alone or also as the Imaging Associates **ThermoSense Mk1-KIT** product shown below.



If components are purchased from sources other than Imaging Associates International the Free Software Arlunya **VFX Mk1S-2T-Fr.exe** and **ThermoSoft Mk1** may still be downloaded from our sites along with all supporting Documentation and Application Notes.



Arlunya VFX Mk1 Data logging Programs.

Overview Livegraph.

We are using Livegraph version 1.14 for all our Hardware and Software Data logging products and will be supporting it with Application Notes . The information which follows is applicable to Real Time and Stored Arlunya Data logging Systems.

LiveGraph displays numerical information which is in a Comma Separated Value (CSV) format, from Real Time and Stored data sources in an excellent graphical form.

LiveGraph is free and Imaging Associates international does not charge for it and we encourage you to visit their website Where we charge, it is for our Application VFX programs and our Interface code.

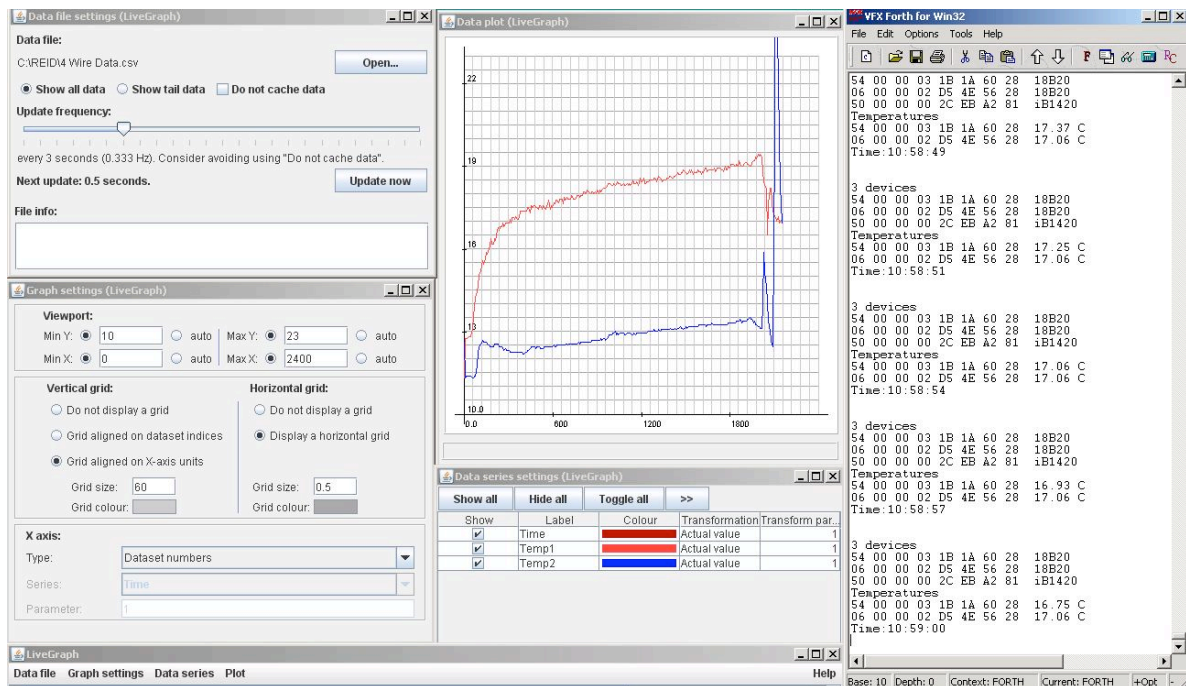
Some useful Livegraph features when used with Arlunya VFX Mk1 Programs and Systems.

We have organized our LiveGraph to display the following control modules.

----- A -----

----- B -----

----- C -----



----- D -----

----- E -----

Arlunya VFX Mk1 Data logging Programs.

A ---- Data File Settings (LiveGraph).

* This window allows the selection of the CSV data file to be graphically displayed in Real or Stored Time mode. e.g. C:\Arlunya\ one wire Test.csv .

* The Update Time may be varied. Our test CVS Data had all measurement sets updated every 3 seconds. This file is available for download.

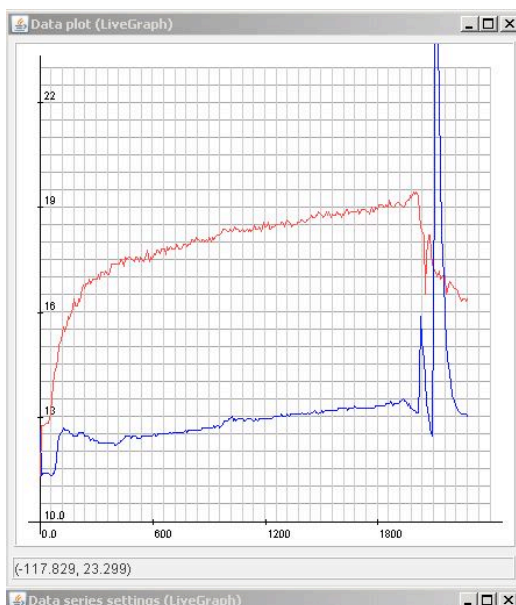
B ---- Data Plot (LiveGraph).

* The graphical display window of your CSV data Real or Stored file mode. In this case our csv file C:\Arlunya\ one wire Test.csv .

C ---- VFX Forth for Win32.

A window displaying in this case the Arlunya Real Time CSV formatted temperature and time data. See VFX section of this Application note for Immediate Simple Data Measurement Command Calls.

D ---- Graph Settings (LiveGraph).



This section allows changing the Horizontal (X) and Vertical (Y) scaling of the Display.

Our test data has two traces of Temperature data Y-axis and the X axis is Time.

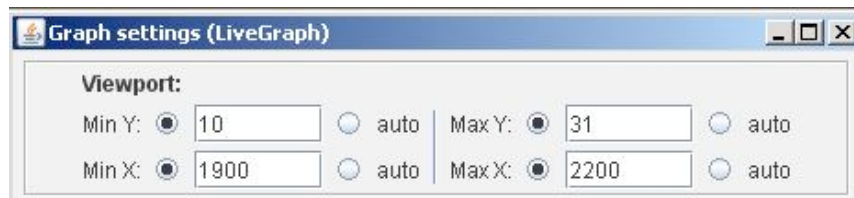
Here $X_{min}=0$ and $X_{max}=2400$. At our sample rate of 1 set of data per 3 seconds, this gives us a chosen Time Span of 2 hours.

Here we set $Y_{min}=10$ and $Y_{max}=23$ by choice.

Note: We have an unexpected temperature High and Rate of Change on our original setting selection!

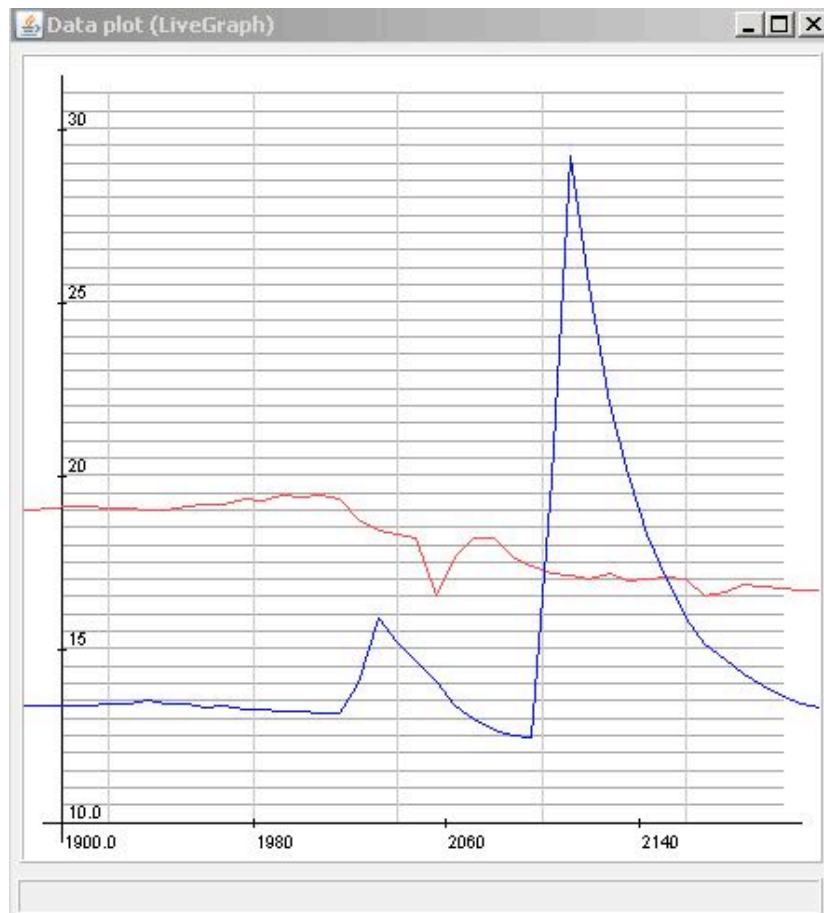
Arlunya VFX Mk1 Data logging Programs.

New graph Settings.



Note ----- These values are changeable at any time.

Resulting Display below-----





Arlunya VFX Mk1 Data logging Programs.

**Imaging Associates International's Arlunya Software is also available as
Systems.**

The key Software Component of these Data Logging Systems.

is the

VFX Code Command 1 wire Control Vocabulary.



V for Versatile

F for Fast Forthwith -----Created By



X for the unknown you measure.



**MicroProcessor
Engineering
Limited**

MicroProcessor Engineering Limited

*133 Hill Lane
Southampton SO15 5AF
England*

<http://www.mpeforth.com/index.html>

Arlunya VFX Mk1 Data logging Programs.

How you can use it and for Technical Assistance !

See ----- Systems Publications

Program publications

Contact Methods.

Attention Andrew Reid. ----- 0414 994 842 Mobile

03 53 38 8126 Land line

email us your Landline and we call you Free in Australia.

ArlunyaSoftware@Gmail.com

www.sustainabilitymeasurement.com

andrewreid@imagingassociates.com.au

www.imagingassociates.com.au

www.Ezypic.biz

Publication --- Arlunya-VFX Mk1-2T DLP Data Logging Programs

Arlunya VFX Mk1 Data logging Programs.