Using the AFRESH software

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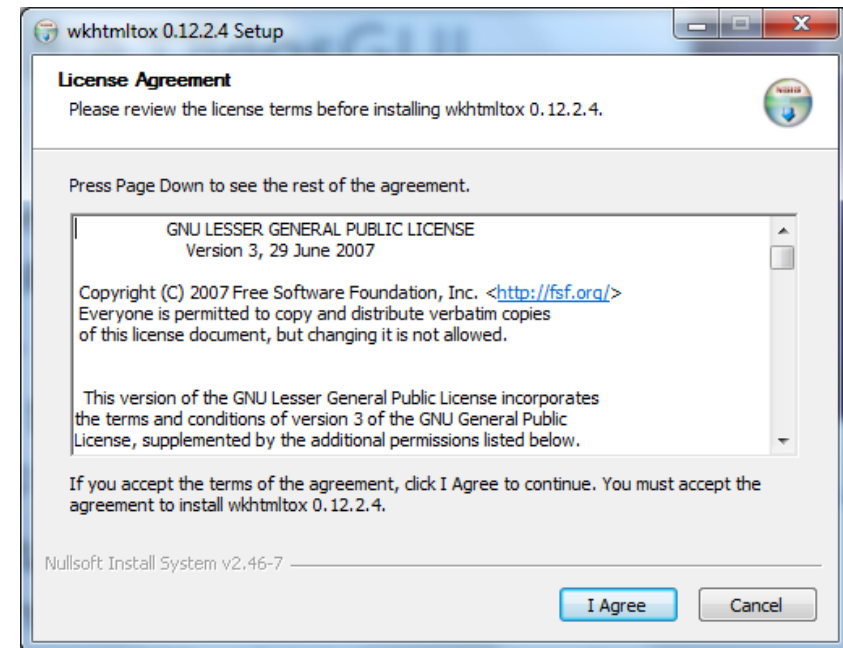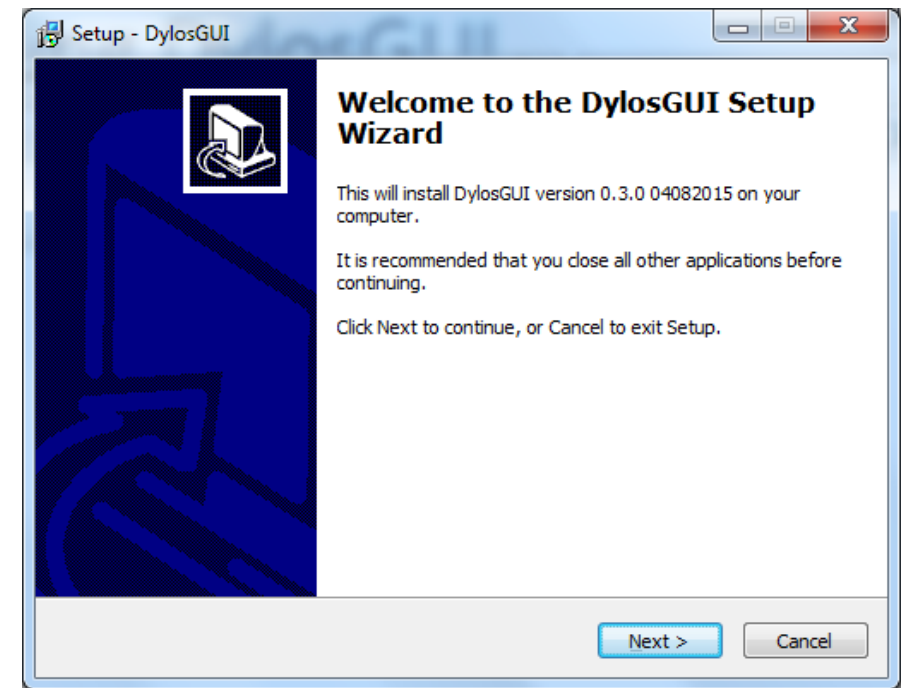
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You will need…

- A laptop running Windows XP or later
- A Dylos DC1700
- A USB Serial converter cable
  - This will come with a CD containing a piece of software called a "driver". You need to install it before you do anything else.
- The AFRESH software
  - You can get this from http://smokefreehomes.network/AFRESH
  - You'll need to be able to install software on your computer. If in doubt, ask your IT department.
  - Be aware that AFRESH is still in development at the moment, so will be a few bugs. If you notice any, please email me at Ruaraidh.Dobson@abdn.ac.uk
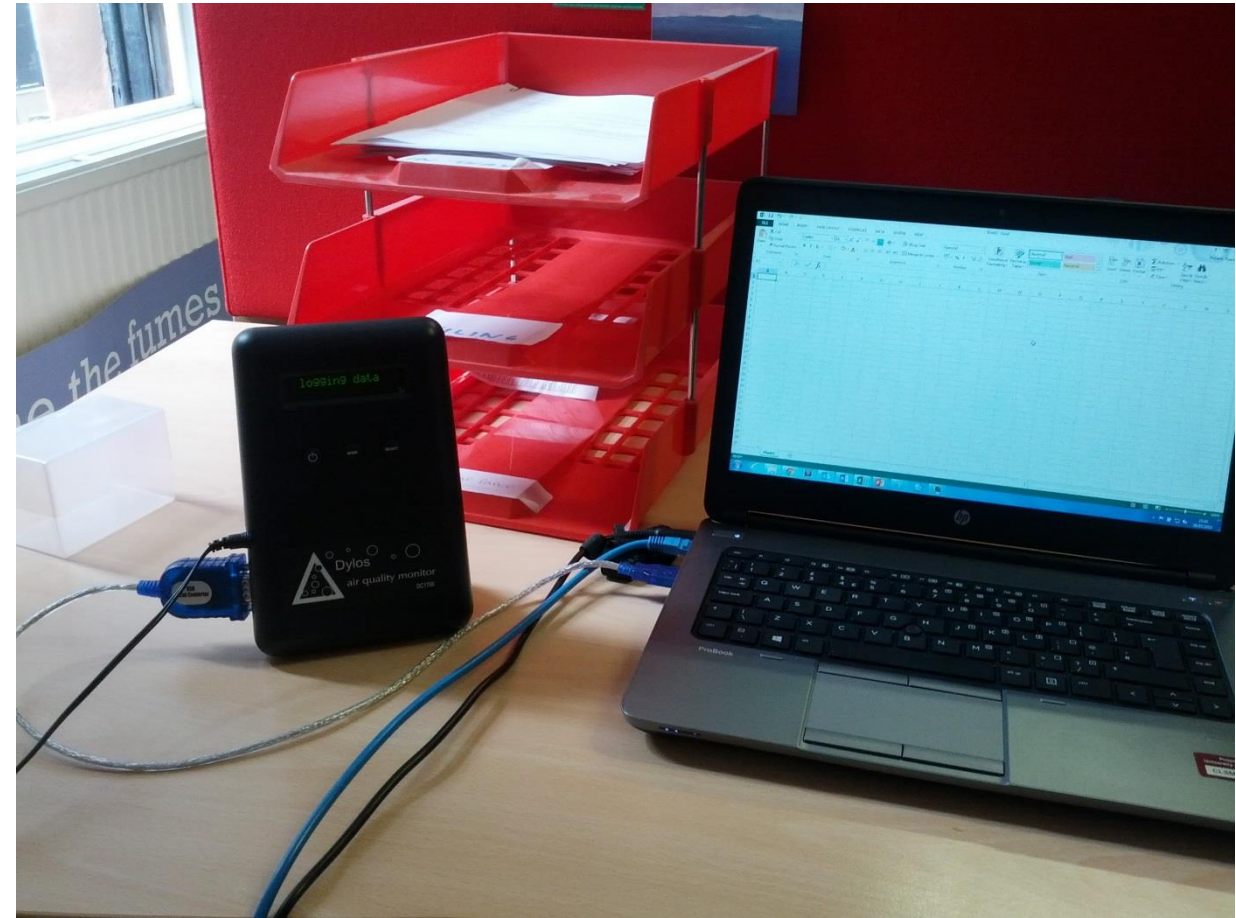
Installing AFRESH

- You'll need to have an administrator install the software for you.

- Launch the installer and follow the steps.

- The installer will also install a programme called "wkhtmltox", which is required to make PDF reports.
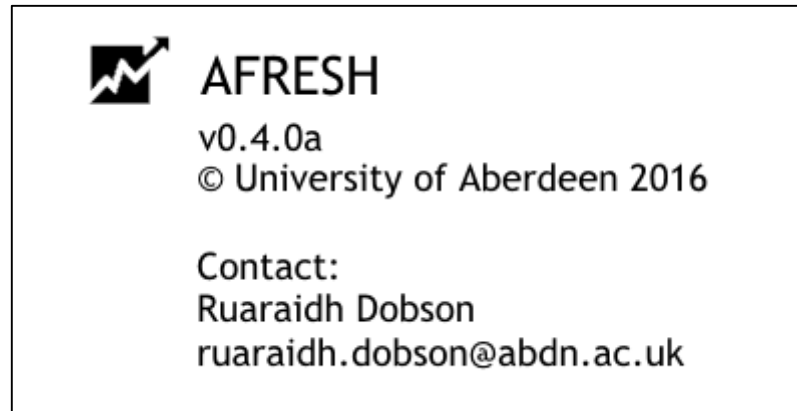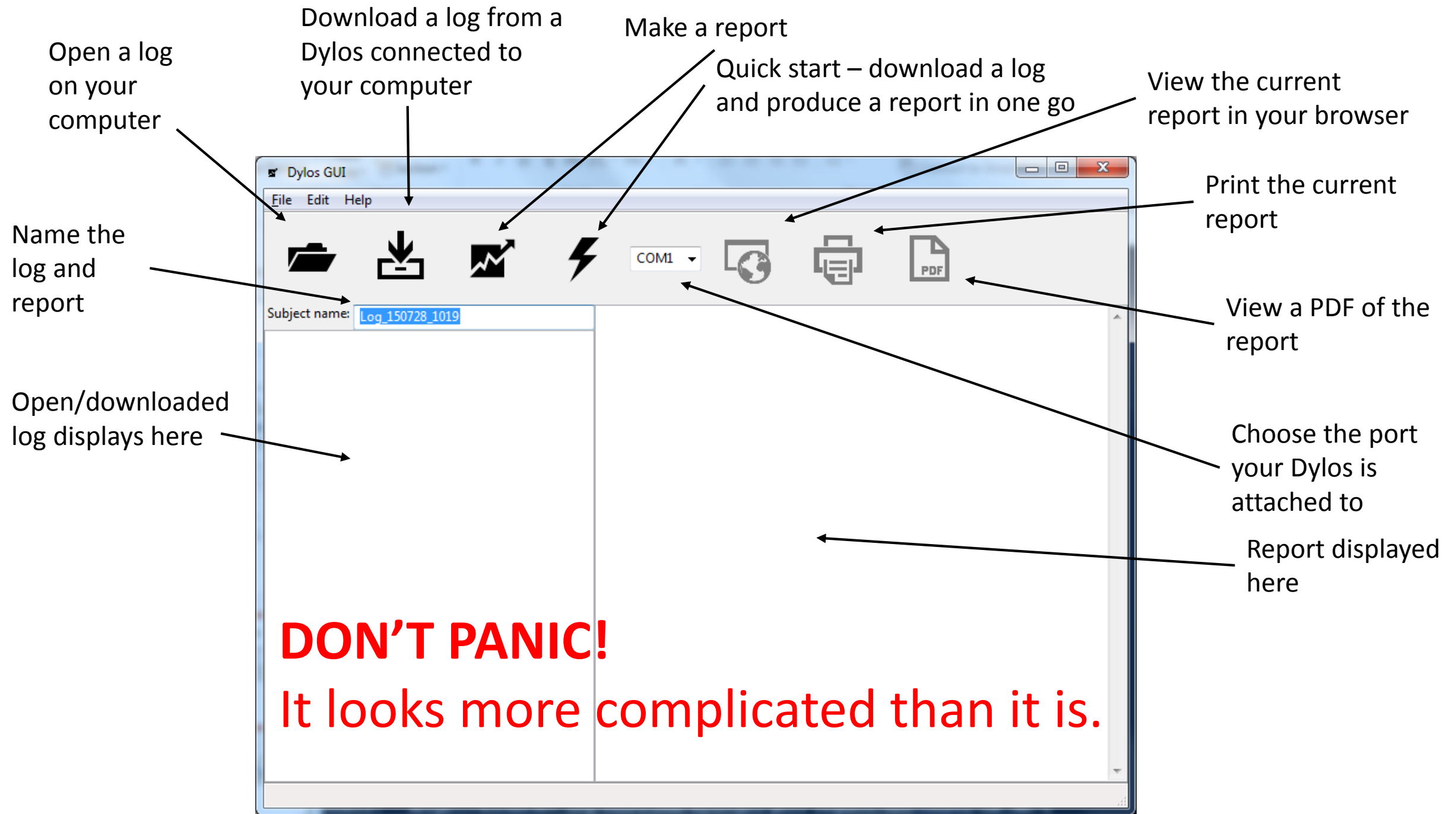
First of all…

- Make sure that the Dylos is switched on, showing "Logging Data" on the front
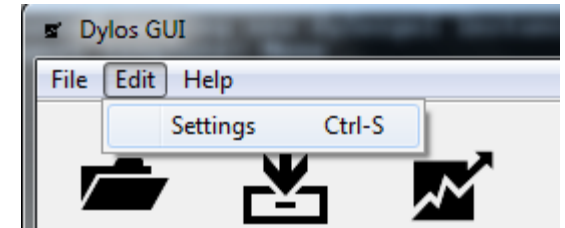- Then, plug the Dylos into your laptop or PC with your converter cable

Now open AFRESH

- There should be a start menu icon that looks like this:
- The software should start up.
- You'll see a splashscreen like the below, and then…

Open a log on your computer

Download a log from a Dylos connected to your computer

Make a report

Quick start – download a log and produce a report in one go

View the current report in your browser

Print the current report

Name the log and report

Open/downloaded log displays here

View a PDF of the report

Choose the port your Dylos is attached to

Report displayed here

Dylos GUI

File   Edit   Help

COM1

Subject name: Log_150728_1019

DON'T PANIC!
It looks more complicated than it is.

Settings

Choose where to save reports. By default, this will be My Documents\Dylos Logs

If this is ticked, your web browser will automatically open new reports when they are generated (recommended)

If there are a few minutes of data from a different day at the start or end of a log, DylosGUI ignores them as they are usually from the few minutes when data's being downloaded from the Dylos. It's simplest to leave this at 0.

Choose a different template for producing air quality reports.

This is an experimental setting – make sure it's **not** ticked.
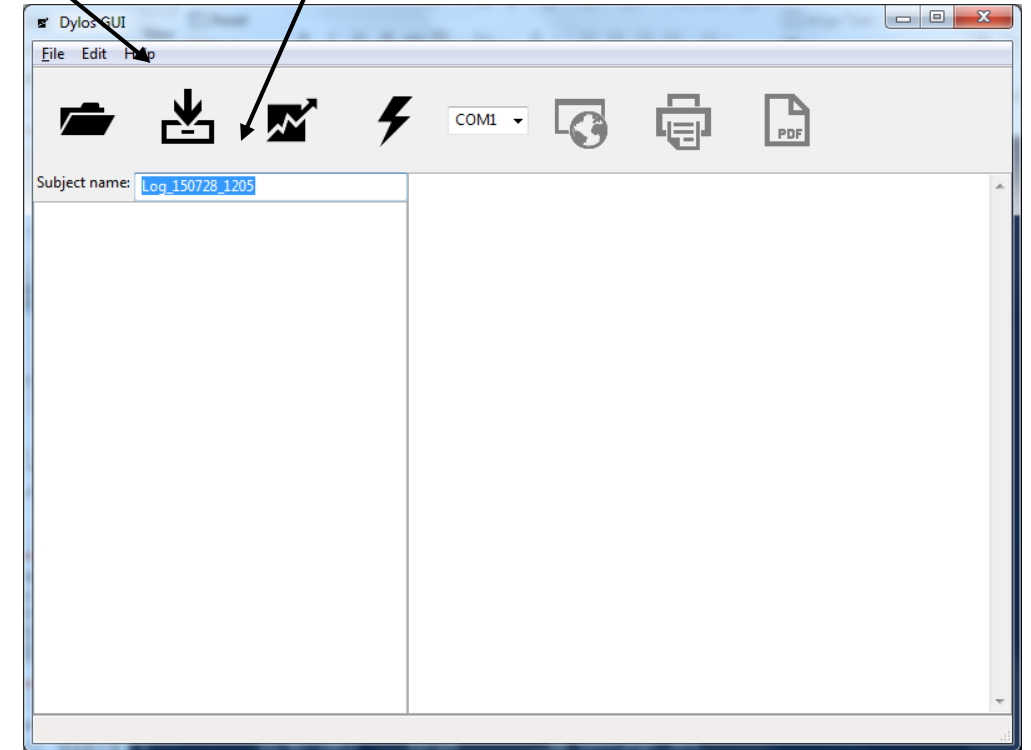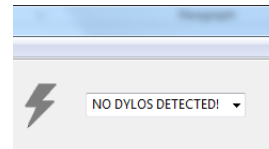
Make a PDF file containing the report (recommended). That makes it a lot easier to send the report from one computer to another. By default, PDF files are stored in My Documents\Dylos Logs

Dylos GUI

File Edit Help

Settings   Ctrl-S

Settings

Save reports to this directory	ments\Dylos Logs Browse
Automatically open new reports in your browser?	☑
Set threshold in mins to remove orphan records from start and end	0
Use this template to produce reports	C:\Users\s02rd5\De Browse
Make a PDF report as well as HTML	☑
Ignore readings with large particle percentage greater than a threshold	☐
If ignoring high large particle percentage, what threshold to use?	3.0

Save   Cancel

Downloading a log

- Make sure the box on the right of the toolbar says "COM<number>"

- If is doesn't, take the Dylos out and plug it in again. Make sure it's on!

- If you keep getting "No Dylos Detected", make sure you have your cable's drivers installed.

- Be aware that downloading a log takes a few minutes. If you're downloading a full five days, best make a cup of tea.
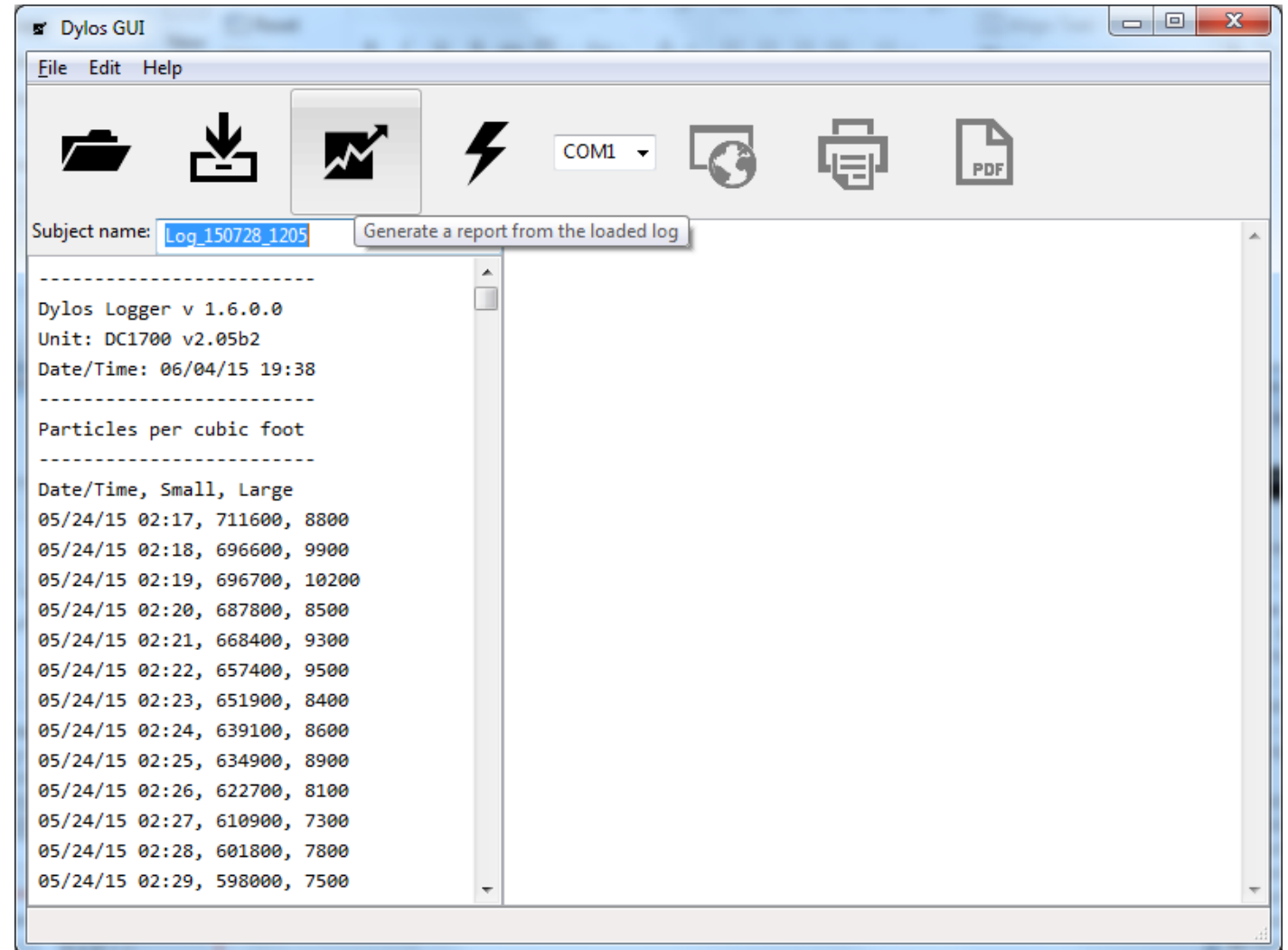
Click here to download

Type the name you want to give the report here, or it will be assigned a name based on the date and time of download

Dylos GUI

File   Edit   Help

COM1

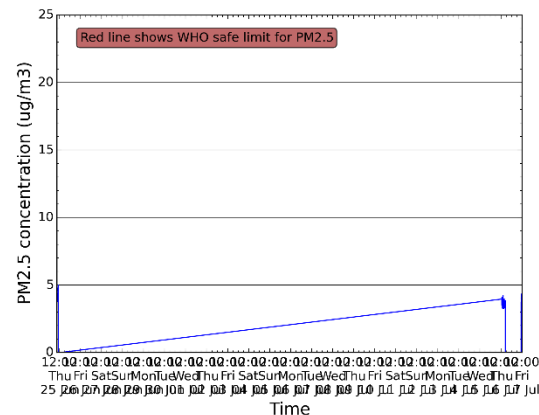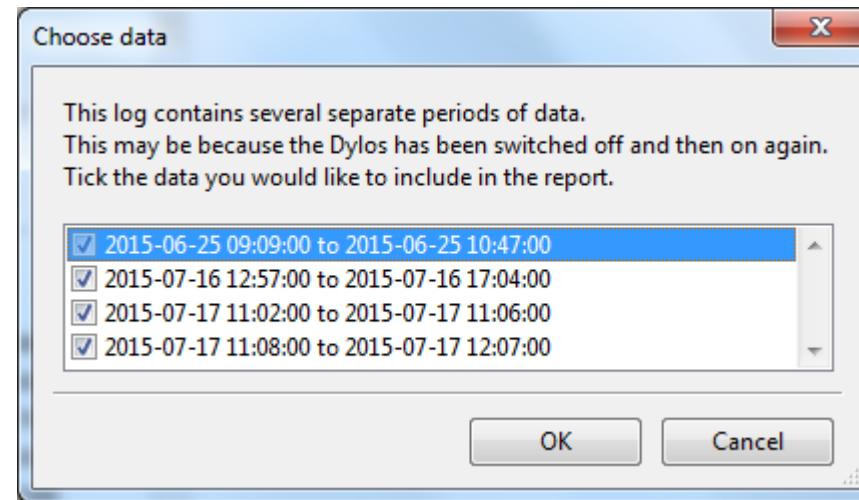Subject name: Log_150728_1205

NO DYLOS DETECTED!

Generating a standard report

- Click the graph icon to generate a report once you've downloaded a log

- This will take just a minute
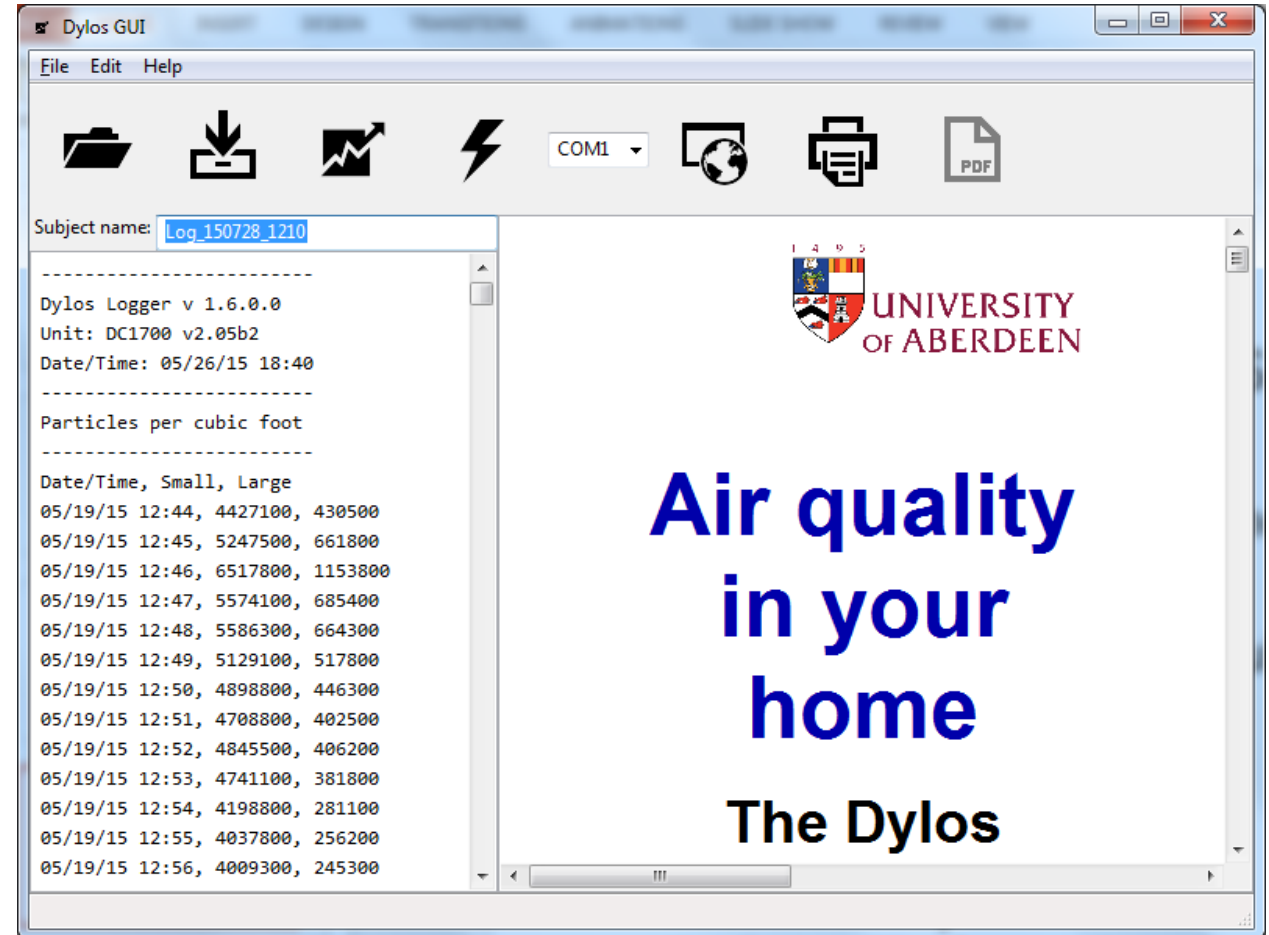
If your Dylos was switched off and on…

- …you might see this screen.
- You may wish only to choose the largest sections of data, otherwise the graph will be difficult to interpret (and not very useful, as below)
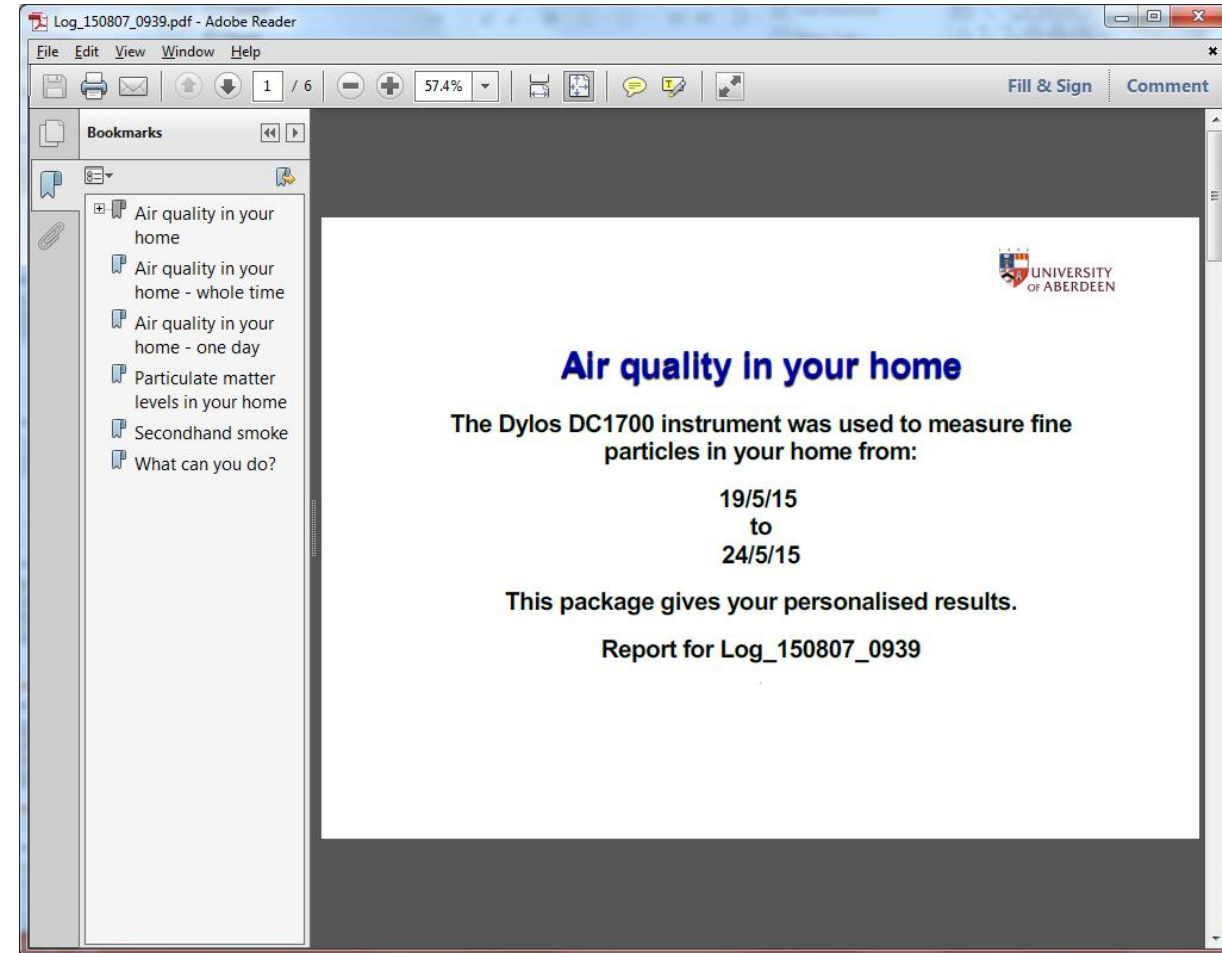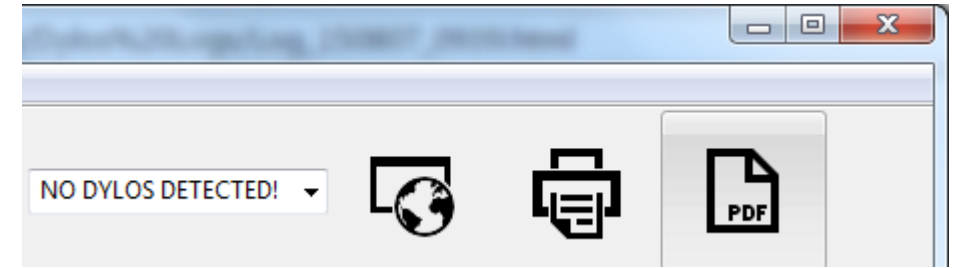
When the report is generated

- You can see the report in the right hand panel
- If you haven't changed the settings, it should also open automatically in Internet Explorer, Firefox or Google Chrome
- The report can be skimmed in your browser, but should be printed from a PDF
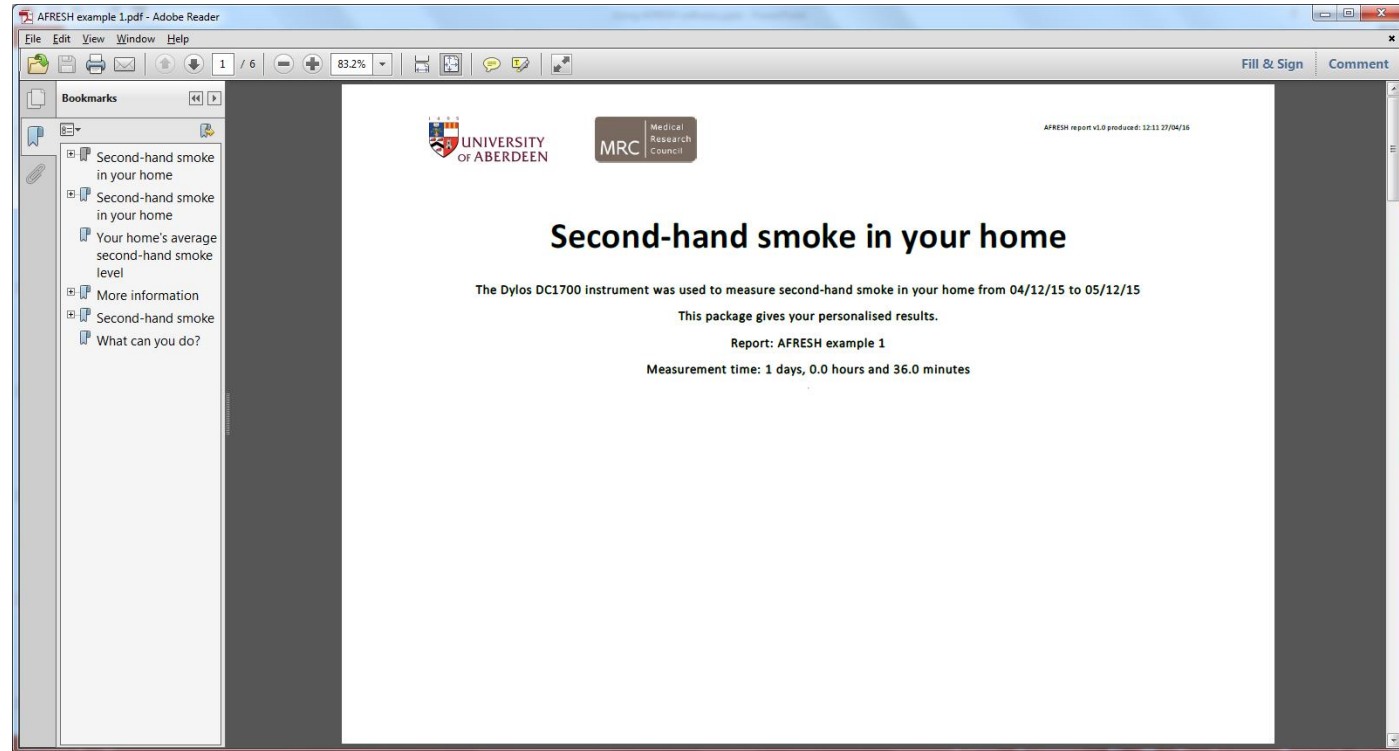
Opening a PDF

- PDF files are easy to email and always look (and print) the same on different computers.
- Click on the PDF button to open it when your report has been generated.
- Note – you'll need Adobe Reader or similar software to open PDFs. This usually comes with your computer, or you can download it for free.
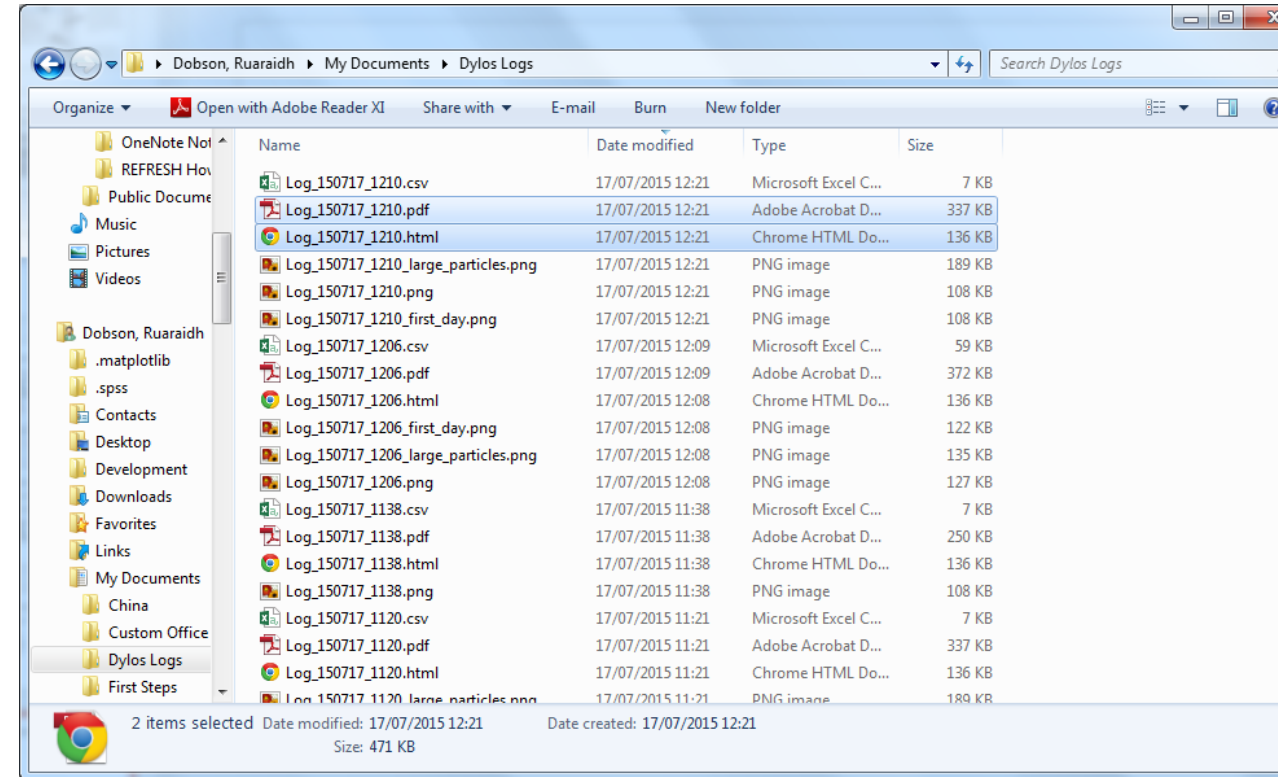
Printing your report

- Open the PDF

- Then go to File and click Print (or press Ctrl-P)
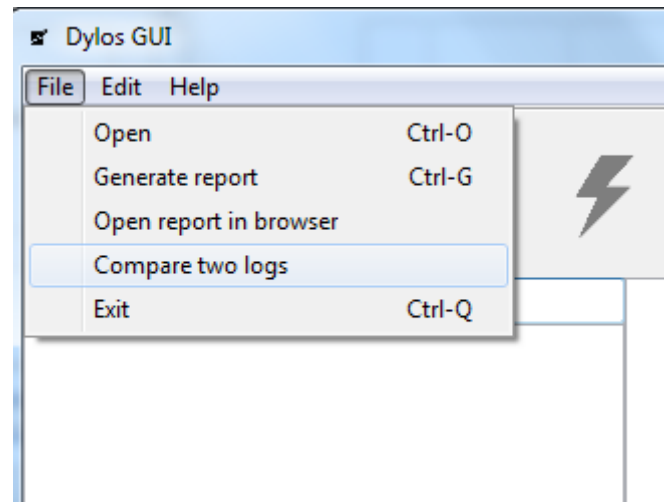 - It's best to print in colour if you can

Finding your reports

- By default, logs can be found in My Documents\Dylos Logs

- All the files have the name you gave the log under "Subject Name", or a default name based on the date and time

- There are lots of files, but the only ones you need to worry about are those ending in "PDF" and "HTML"
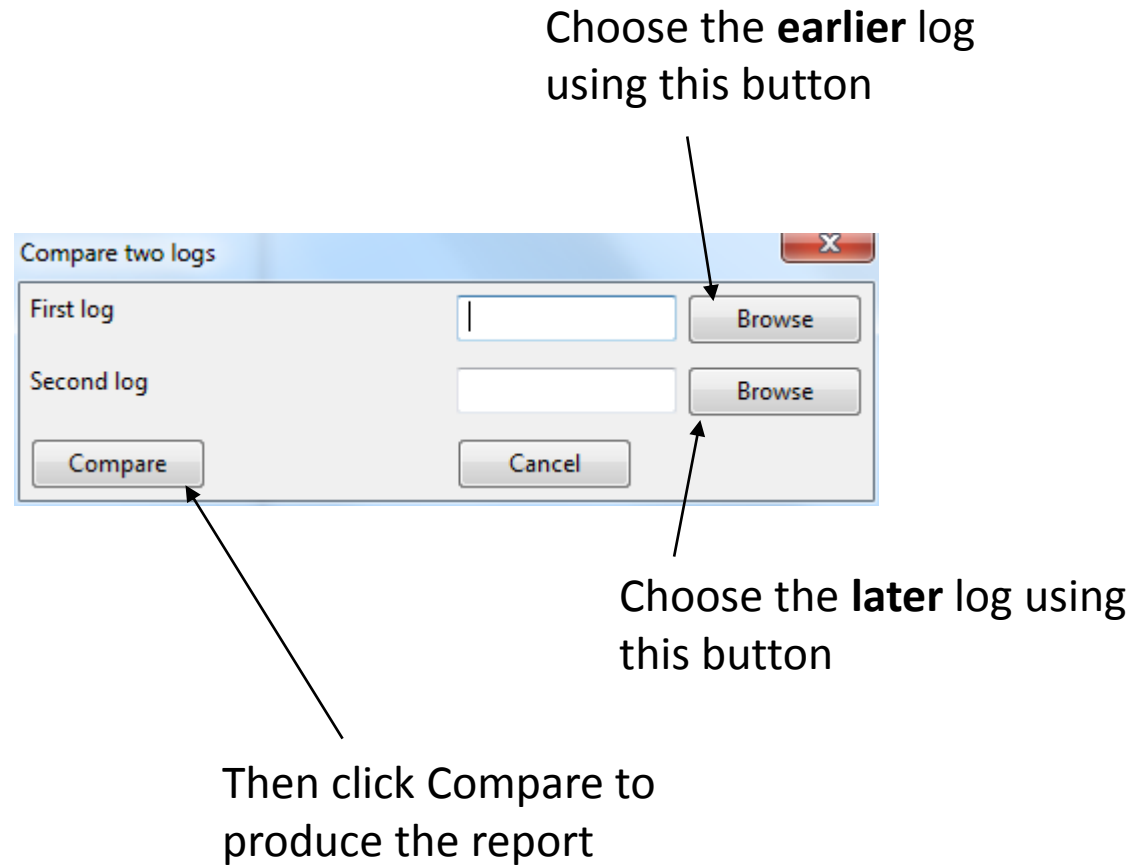
Making a comparison report

- When the Dylos has been in a home for a second time, we want to compare the two results using a comparison report

- This shows if the client has made an improvement and whether the home is now safe
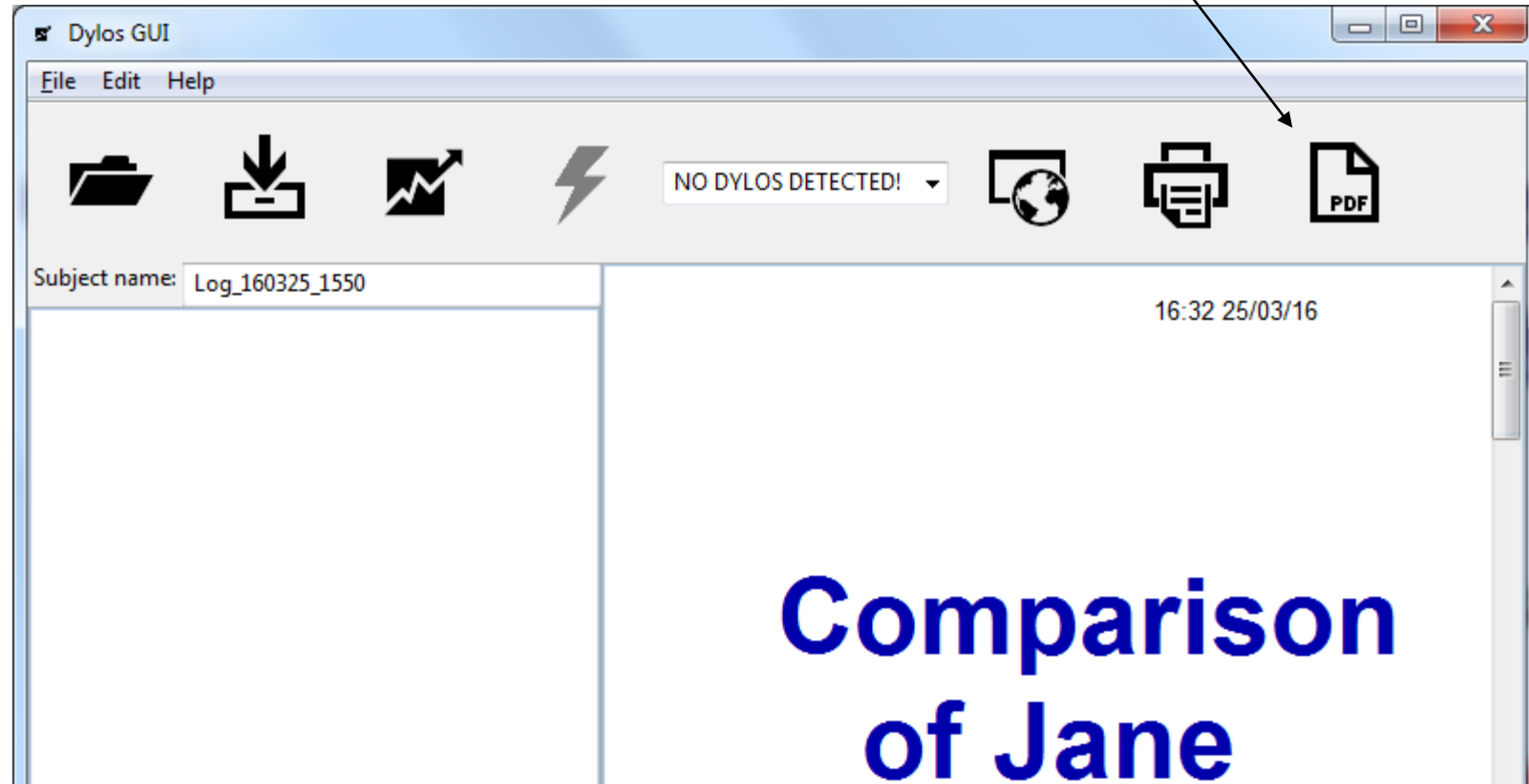
Comparing two logs

Choose the **earlier** log using this button

Choose the **later** log using this button

Then click Compare to produce the report

Printing the comparison report

- This is just like printing a standard report
- Press the Open PDF button and print from there

If you find a bug

- Email me at ruaraidh.dobon@abdn.ac.uk
- Include a full description of what you were doing and what happened.
- If you can, include a screenshot with your email (press "prt scn" at the top right of your keyboard, then paste into an email)
- Then, attach the following files to the email:
  - C:\Program Files\DylosGUI\debug_log.txt
  - C:\Program Files\DylosGUI\settings.ini
  - If you can't find them, look under C:\Program Files (x86)\DylosGUI
- Thank you!