## TG Run though of Jpowder 20th and 21st April 2010

**Section A : Before loading any files**

1. Standard java Icon in top right
2. Font on Tabs is different to menu bar Done
3. When invoked from the command line is says “number of jpowder1” Done
4. When loading files debug information is printed to the command line (have I been given a debug release? – log4J (or whatever you use) will need changing to stop this)
   1. Much of this output looks very unprofessional (e.g. “updatttttttt”, “Iam updating............”) Done
5. File ->Save As ->PDF
   1. Files of type should not say “Save As PDF”, just “PDF (\*.pdf)”Done
6. File -> Save As ->Image Done
   1. Does not work
7. File ->Save As ->Jpowder Applet
   1. Files of type should not say “Save As Applet”, just “Jpowder Applet (\*.whatever)”Done
8. “Copy to ClipBoard” Done
   1. Should not have extra capital B
9. Edit-Properties doesn’t do anything
10. Help -> Online Docs and Support Done
    1. Doesn’t use default browser
11. Help -> Online Docs and Support Done
    1. Goes to the google code site
12. Help -> About Done
    1. If I resize the window downwards there is a grey area
    2. Text doesn’t flow to match size – just lock the box.
13. Help -> About Done
    1. GPL wording – minor typographical errors “or(at your” should have a space in.
14. Help -> About Done
    1. Blue box around the licence, but only ½ a box around the logo.

**Section B – loading and displaying files**

1. When opening a new window first I then can’t add any files to the main window Deleted
2. Plot Area – words “Drag & Drop Files Here.” are not properly centred Done
3. Can’t drag on a directory of valid files (suggestion put in “Questions to ask users.xls” document and for now print ‘Can't process selected file or directory’)
4. Error message “Can’t Read The File.” has too much capitalization Done
5. Window -> Tile leaves grey space between boxes (tile horizontally works) Done
6. Can’t remove a plot (file) from a graph – can stop displaying it, but can’t delete it. (suggestion put in “Questions to ask users.xls” document).
7. If I try to load an invalid file (.txt in this case) the error message is “The file contains a character, we cannot process this file.” – I hope Jpowder can load files with ‘characters’!? – How else do you express data?! Error message is misleading (try “Invalid file format”) Done
8. I then get a second error message “Only ASCII file please” – 1) shouldn’t get two separate errors 2) it is an ASCII file 3) The English could be better
9. Loading a (mcstas) .dat file I get another two popup errors – just one please Done
10. Will not load some xye files that dash will (example attached) Done

**Section C – Context Menu**

1. Copy to ClipBoard has extra capital ‘B’ Done
2. Axis labelling – “Domain” and “Range” vs “Intensity” and “2Ѳ” Done

**Section D – Peaks**

1. Tools -> Peak Position : The logo gets stretched when it loads the page Done
2. Peak position page – button fonts are different and different sizes Done
3. Peak list font is large and bold Done
4. I can type in the peak list box (e.g. “sfdsf”) Done
5. I can edit the items in the box, but it has no effect on the plot Done
6. Get peak toggle button is not very clear (not a common UI style) Done
7. If I try to get peaks from more than one plot things go a bit odd (toggle is lost etc)
8. Remove button does not remove the selected item (Seems to remove the most recent) Yep
9. Back button – text and arrow are not centred Done

**Section E – Rescale Plots**

1. “Rescale” become “Rescale and Move” Done
2. Logo is distorted Done
3. ‘Plot’ dropdown box is bold and a different font Done
4. If I drag a new plot in, the dropdown box does not update Done
5. Auto range doesn’t work when I rescale and things go off screen minor
6. Divide by 0 is allowed (and clears the plot) Done
7. Multiply by 0 is allowed (and clears the plot) Done
8. Back button – text and arrow are not centred Done

**Section F – Appearance**

1. Logo is distorted Done
2. “Turn on the connecting lines” seems to clear the plot (can’t see data points) Done
3. “Plot(s) Colour” tab : “Plot(s)” dropdown only lets me select one at a time – so why is it plural? Done
4. Why “Pick series colours” when I can only choose one colour – implies I can have a striped line? Done
5. “Select a plot from pull-downs And then ....” missing ‘t’, ‘pull-downs’ should be ‘drop-down’ or simply ‘list’, capitalised ‘And’ (is this 3 bugs) Done
6. “Selec a plot...” label has a light brown background unlike other labels Done
7. Back button – text and arrow are not centred Done

**Section G – Zoom**

1. Logo – the pointer doesn’t look right Done
2. Font is different to other fonts elsewhere Done
3. Zoom In instructions are unclear – to zoom in must drag right *and down*. Done
4. Zoom Out – resets to original size – should be clearer about this. Done
5. Move Plot: or up or down? Done
6. Mention that this works on any page, not just here. Done
7. Back button – text and arrow are not centred Done

**Section H – Transform x-axis**

1. Logo becomes distorted Done
2. Logo font is different to other logos (size and boldness?) Done
3. If I try to go from d to d the error message is “The Unit is Already In 2Ѳ!” Done
4. “The Unit is Already In 2e!” – too much capitalization. Delete the ‘!’ Done
5. If I try to go from 2Ѳ to 2Ѳ the error message is “Please Enter Value For Wave Length” Done
6. “Please Enter Value For Wave Length” – too much capitalisation. “Wavelength” is one word Done
7. If I am in d and try to go from 2Ѳ to d the error message is “The Unit is Already In d[Å]” – again too much capitalization and delete the ‘!’ Done
8. The arrow (“----> >”) should be an image, not a text – or at least just one head ‘--->’ Done
9. Back button – text and arrow are not centred Done
10. I can edit the Plot(s) list (change the Plot name, but this doesn’t affect the Plot area titles)
11. Plot(s) list does not update if I drag on a new plot Done

**Section I – General**

1. Printed page does not have the plot name or anyway to identify it. Done
2. Midway through testing I started getting errors like this:

Exception in thread "AWT-EventQueue-0" java.lang.OutOfMemoryError: Java heap space

at java.util.Arrays.copyOf(Unknown Source)

at java.util.Arrays.copyOf(Unknown Source)

at java.util.ArrayList.ensureCapacity(Unknown Source)

at java.util.ArrayList.add(Unknown Source)

at org.jpowder.tree.JpowderFileSystemTreeModel.getTreePath(JpowderFileSystemTreeModel.java:141)

at org.jpowder.tree.JpowderFileSystemTreeModel.getChildCount(JpowderFileSystemTreeModel.java:129)

at javax.swing.plaf.basic.BasicTreeUI.paintExpandControl(Unknown Source)

at javax.swing.plaf.basic.BasicTreeUI.paint(Unknown Source)

at javax.swing.plaf.ComponentUI.update(Unknown Source)

at javax.swing.JComponent.paintComponent(Unknown Source)

at javax.swing.JComponent.paint(Unknown Source)

at javax.swing.JComponent.paintChildren(Unknown Source)

at javax.swing.JComponent.paint(Unknown Source)

at javax.swing.JViewport.paint(Unknown Source)

at javax.swing.JComponent.paintChildren(Unknown Source)

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