Digital Levelling Suite

User Manual

For Use in Conjunction With

Excel 97 - 2007

Distributed by Opti-cal Survey Equipment Ltd
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Introduction

Thank you for purchasing the Leica DNA / SPRINTER Import Tool. This program has been designed in conjunction with Land Surveyors who use the Leica DNA / SPRINTER on a day to day basis.

It has been designed to overcome some of the short falls with the Leica DNA / SPRINTER software, to allow easy conversion from the raw data file to a standard Levelling Book format.

The software has been designed on the Microsoft Excel platform thus giving the user the advantage of the Microsoft Excel interface which most surveyors will already be familiar with.

Provided with this software is the format file required to be loaded into the Leica DNA / SPRINTER, and instruction how to accomplish this.

Please Note

If you open the Excel 97 – 2003 version of this software in Excel 2007 it will work however if you save the file as **.XLSM** then you will be unable to open the application again in Excel versions 97 – 2003. If this occurs by accident then reinstall the software. You will not loose any back up file in the 'ASCII Archive Files' folder.

System Requirements

Minimum System Requirements

Windows 98*
Microsoft Excel 97*
Pentium 233
128 MB RAM
4X CD-ROM
Mouse and Keyboard
649x480 SVGA display
30 MB free hard drive space
USB 1.0
Printer

Recommended System Requirements

Windows XP/Vista*
Microsoft Excel 2000 or above*
Pentium 1GB+
512 MB RAM
52X CD-ROM Drive
Mouse and Keyboard
1280x1024 32bit displays
100MB free hard drive space
USB 2.0
Colour Printer

*With the latest Service Pack

Restrictions within the Application

The following functions have been disabled in the software to stop unauthorised copying.

CTRL Break
Ctrl V
Ctrl C
Cut
Paste
Right Mouse Click
Only Cells that are unprotected can be modified

Facilities not available within Demo Version

If you are running a Demo Version of this software the following restriction also apply or have been disabled.

Print
Print Preview
Opening files other than those supplied with the Demo software
No Leica DNA / SPRINTER format file supplied

Application Outline

This application has been designed to convert exported ASCII data from the Leica DNA / SPRINTER Level, and convert it to a standard levelling book appearance. The result shows Collimation, Reduced level and Adjusted Levels.

DNA Instrument Format File

Installing the DNA Format File

XXX_IMPORT_TOOL.frt **XXX=company Initials**

The format file provided needs to uploaded to the instrument; it has been edited to contain the chosen logo and address of your company.

To upload the file use the exchange manager in LGO tools, and follow the help section under:

"Transfer – format files"

Once the format file is in the instrument it will be displayed as an option every time the instrument field data is downloaded. This format is required for the Digital Levelling Suite to function correctly.

Exporting Data from the Leica DNA / SPRINTER, to the Digital Levelling Suite.

The key steps to achieve this are as follows:

1. **Export field data from the DNA to the PC via the given format file.**

   This file converts the field data to the required format that the import tool recognises and can manipulate. If the data is exported without this format file the import tool will not accept the data and give an error message (see page23). To export data from the DNA you can check your Leica user manual, but to summarize you have two options

   i. Download the data directly using the USB cable and the free LGO tools programme, available from. http://www.surveyequipment.com/shop/index.php?main_page=page&id=22&chapter=1&zenid=0821bcba4054e73b3753d93c7a5c12ec
   ii. Export on the instrument to the removable card then copy over the data on the CF card to the PC.

2. **Run the Digital Levelling Suite.**

   Select the chosen file in the open dialogue box and run the application,

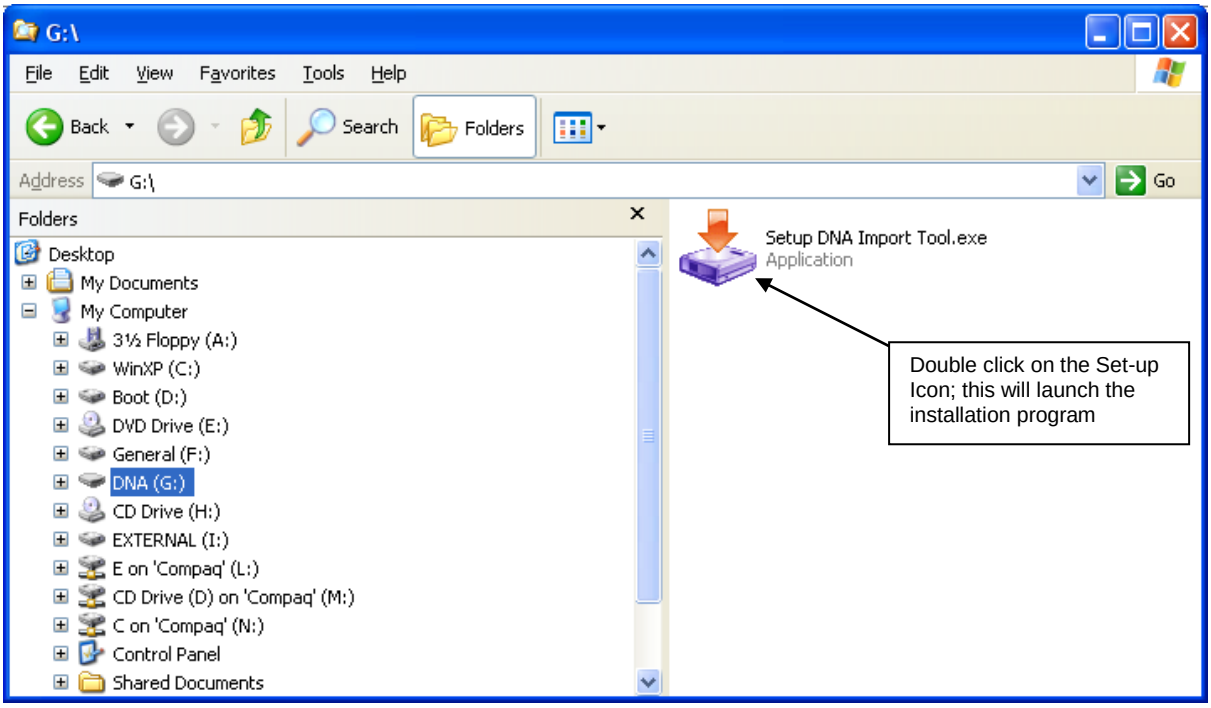
   i. Check the sheet tabs along the bottom.
   ii. Open the "chek and adjust" sheet, for values from the two peg test.
   iii. Open the raw data sheet, for any problems from the field.
   iv. Open all the line sheets, and check that the start and close heights are correct for each level run, adding the lines location in the header.
   v. Open the error graph sheet, and press update to highlight any lines that have large misclosures.

3. **Print out each level run**.

Digital Levelling Suite Installation

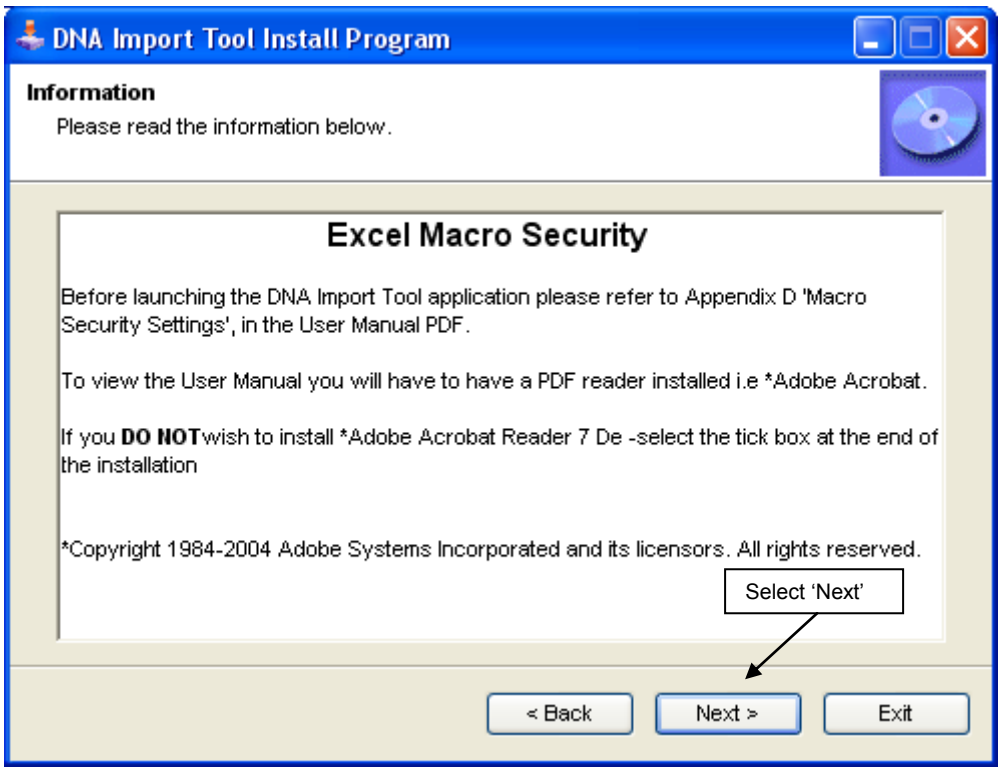
Insert either the USB Flash Drive into the USB port of your computer or insert the CD into the CD/DVD Rom Drive.

Open the USB or CD/DVD Drive

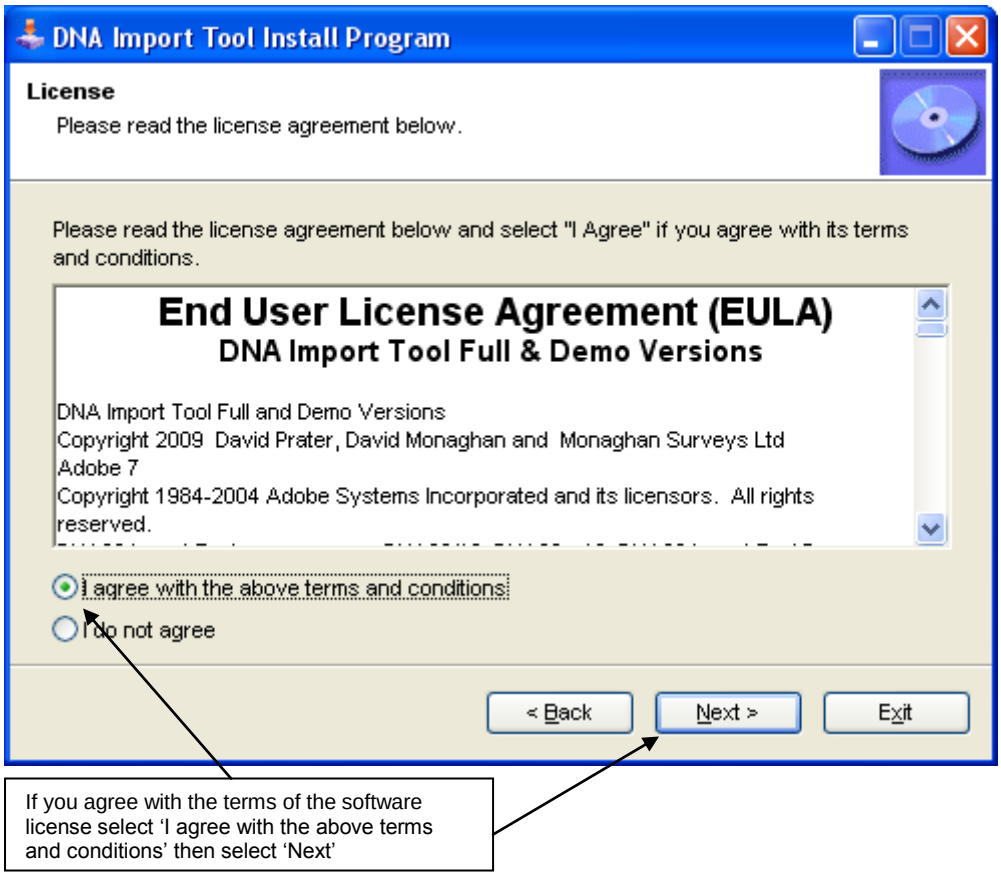


Welcome Screen

Information Screen

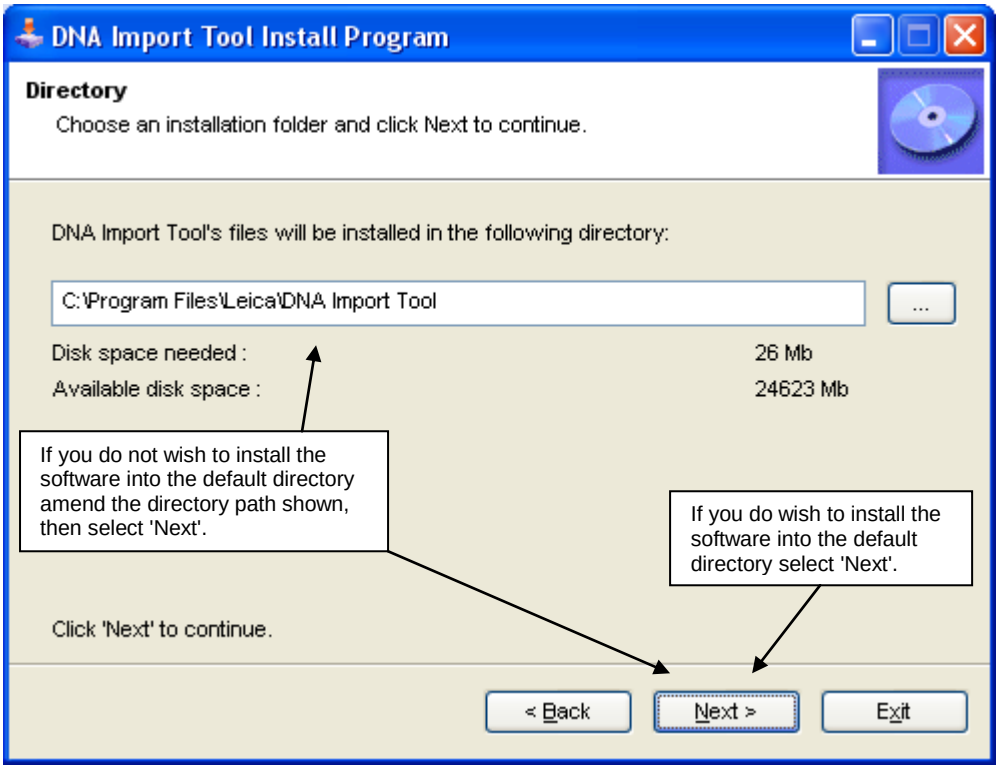


License Agreement

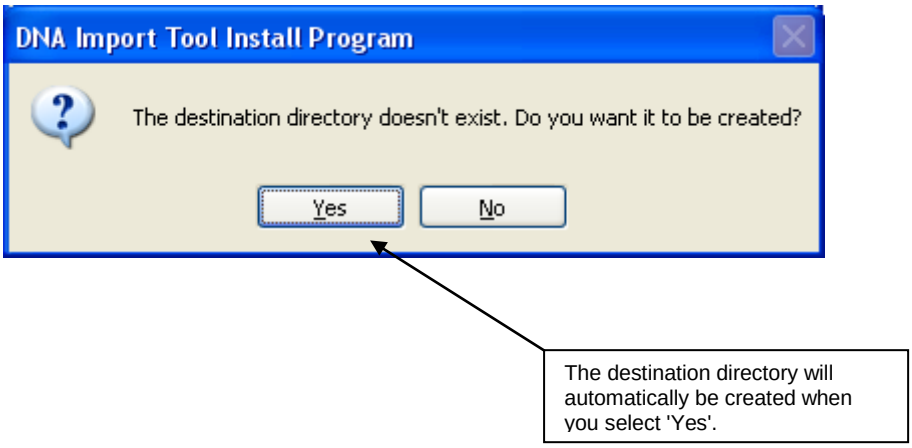


Directory

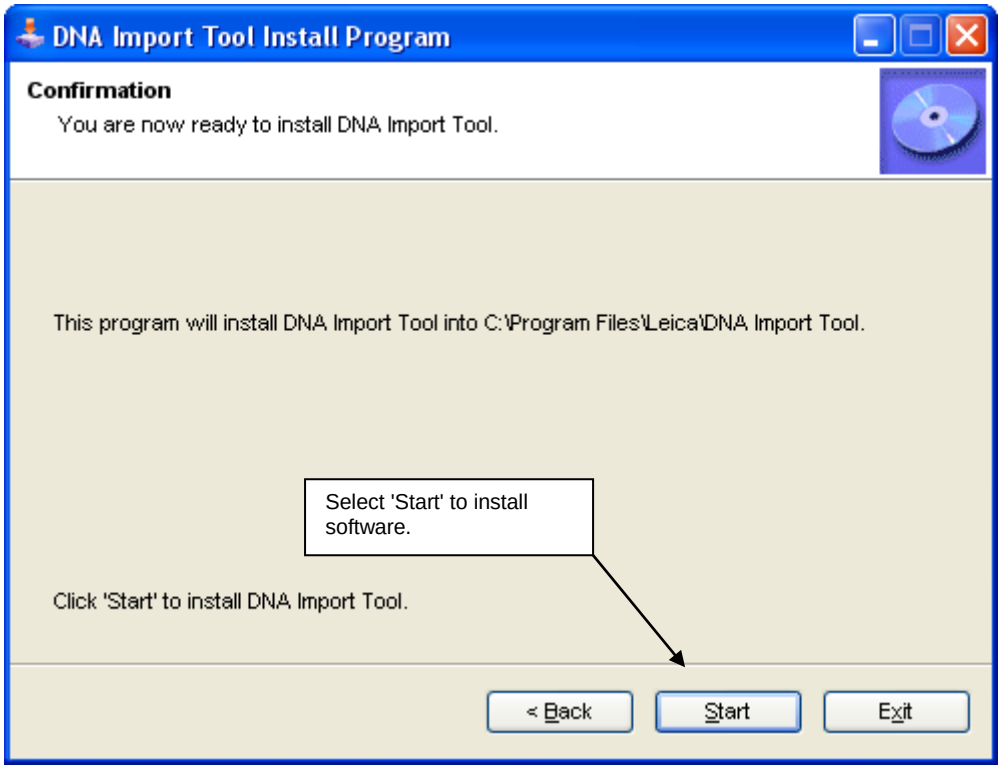
If you do not wish to install the software into the default directory amend the directory path shown, then select 'Next'.



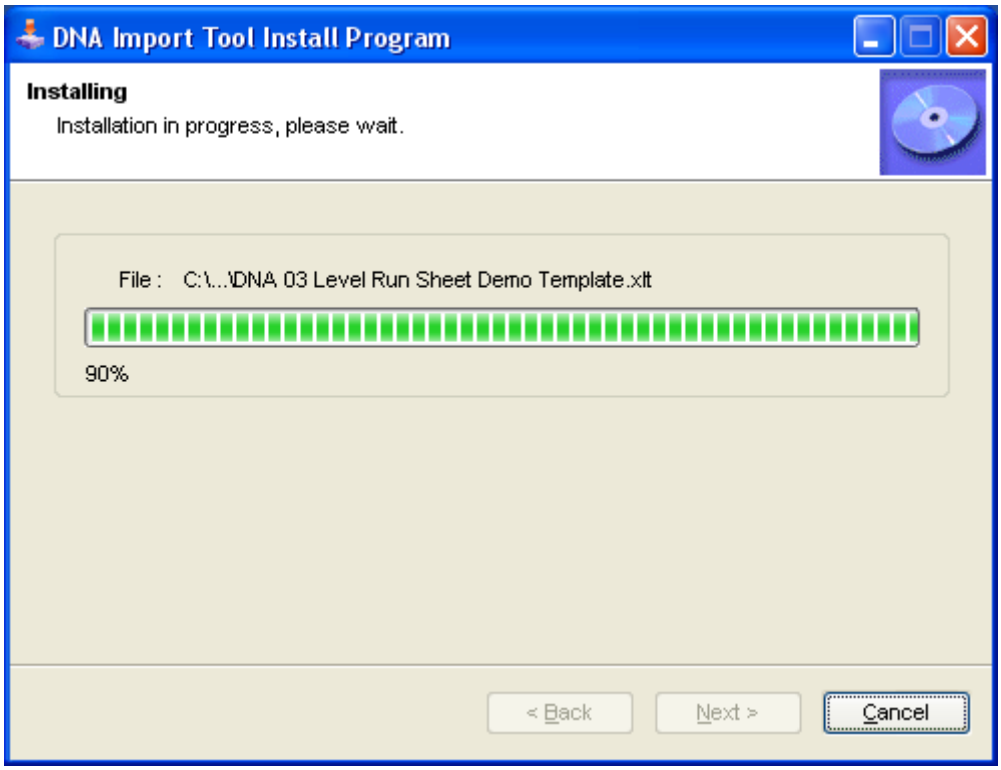
Create Directory



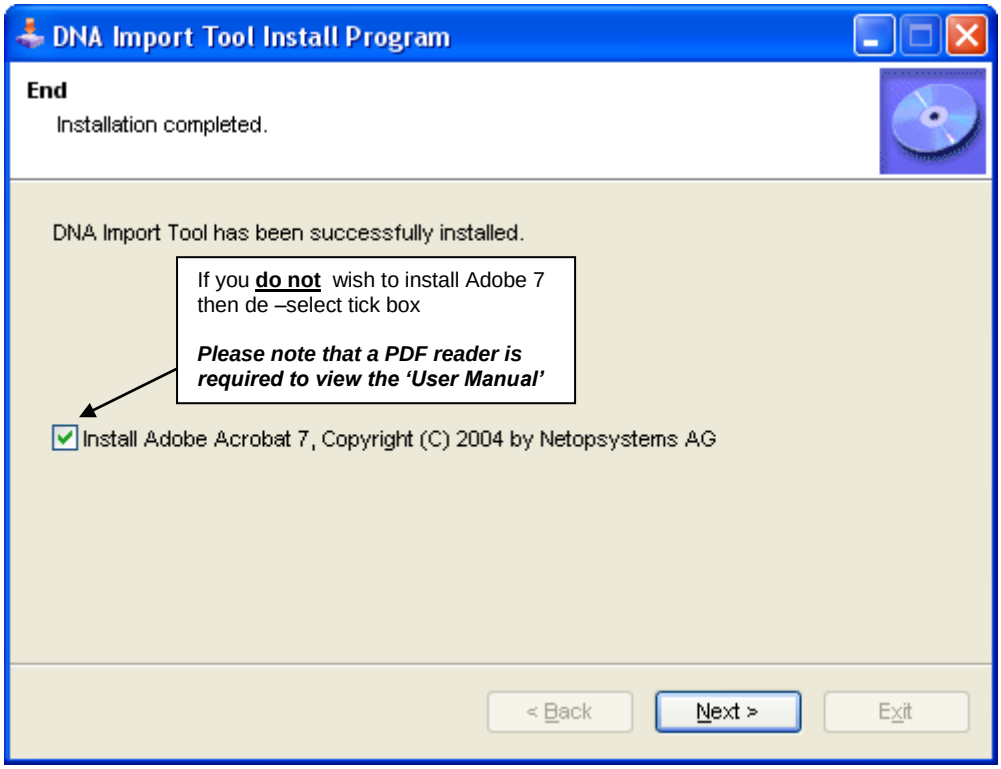
Confirmation



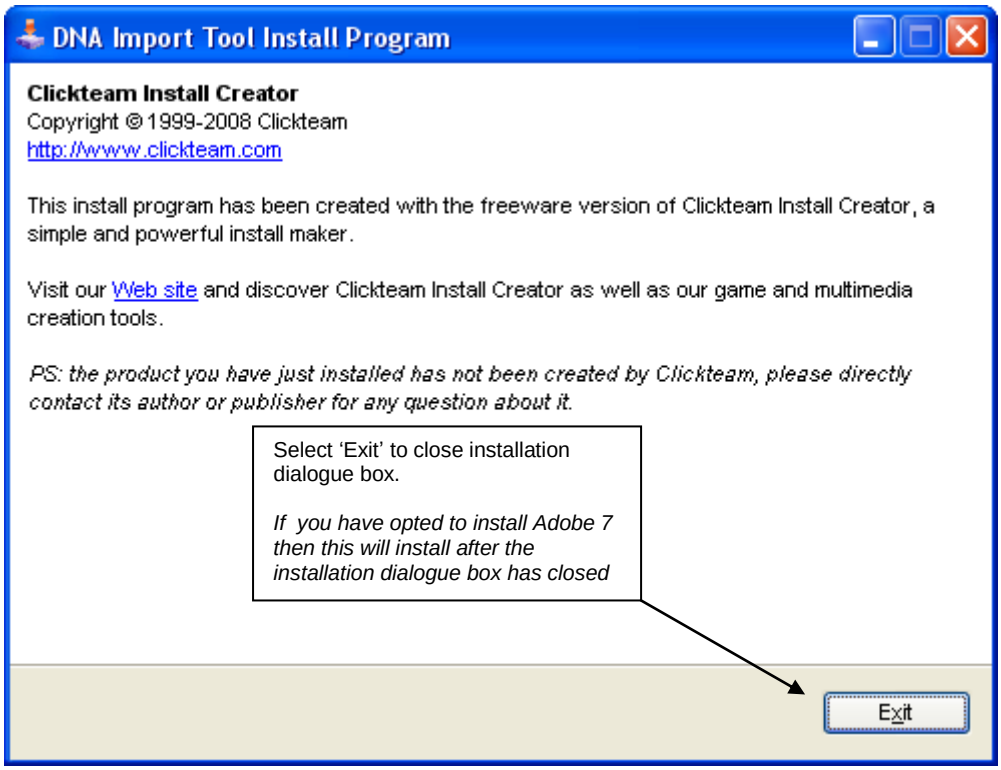
Installing Software



End Screen



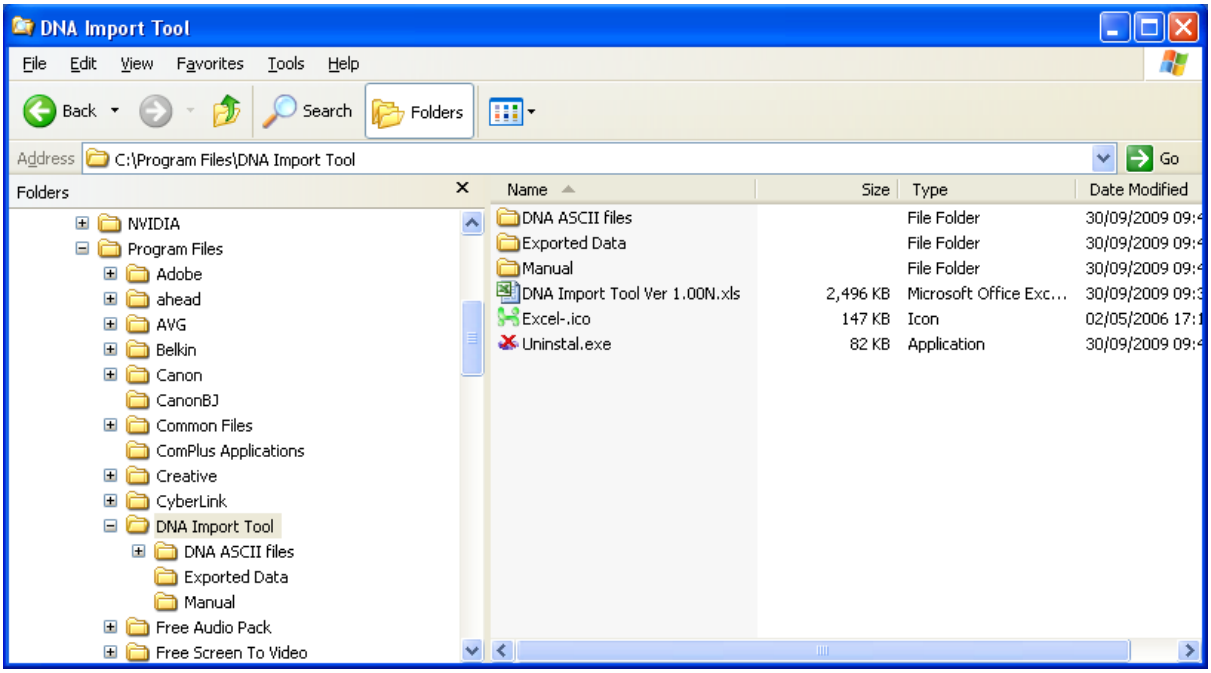
Exit



Installation Directory Structure

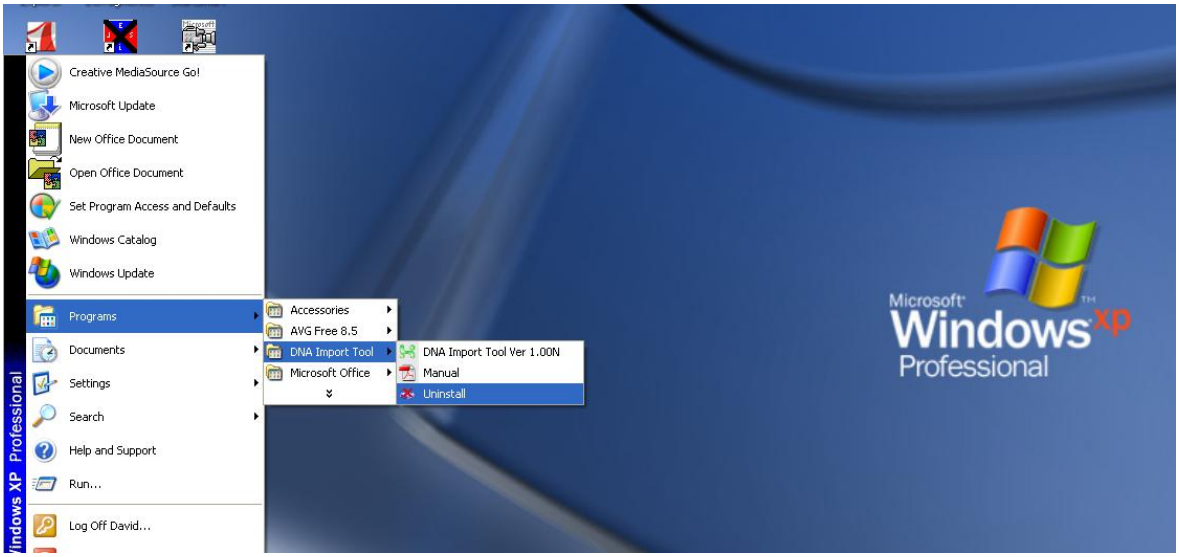
The application is now installed in the follow directory (if default directory is used during install)

DO NOT AMMEND, CHANGE, DELETE or RENAME any of the directories or files associated with this application.

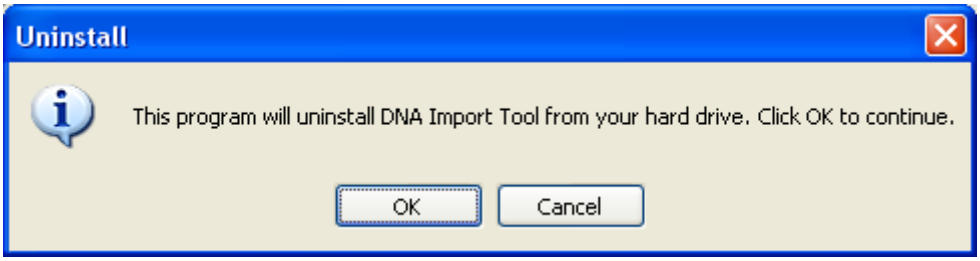


Uninstall Application

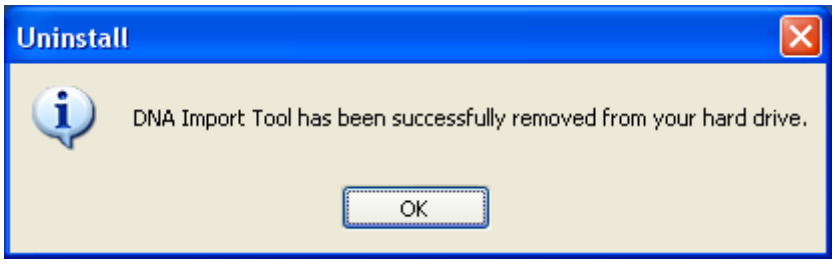
To uninstall the application select the Uninstall Icon in the DNA folder.



The application will be removed from your PC.



When complete select OK

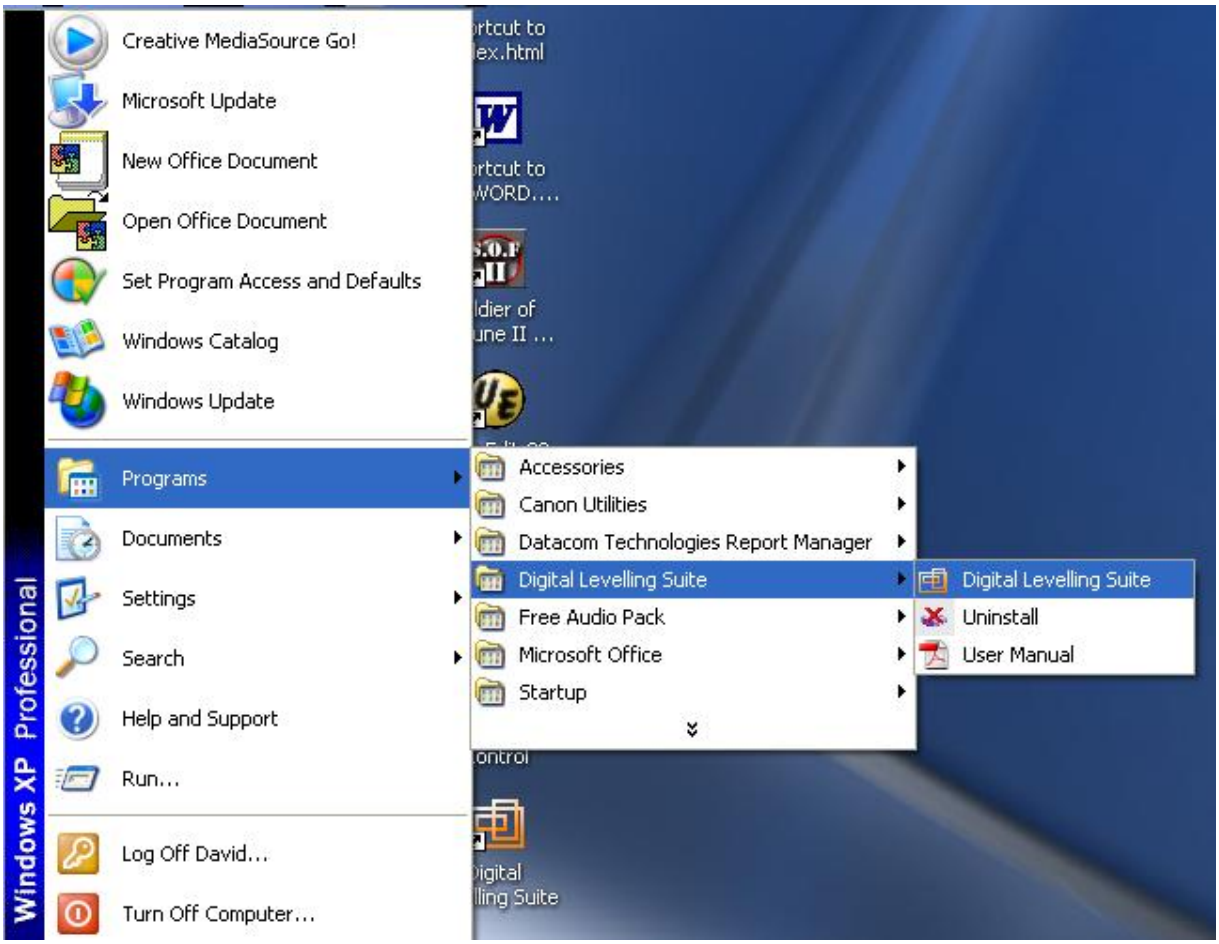


If you have saved any ASCII back up files in the 'ASCII Archive Files' folder, these will not be deleted, if you wish to delete these then manually delete the folder

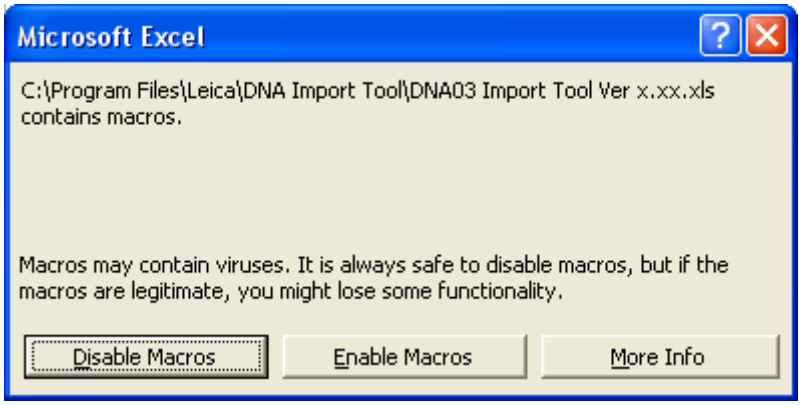
Launching Application Excel 97 - 2003

Before launching the application please refer to Appendix D: Macro Security Settings.

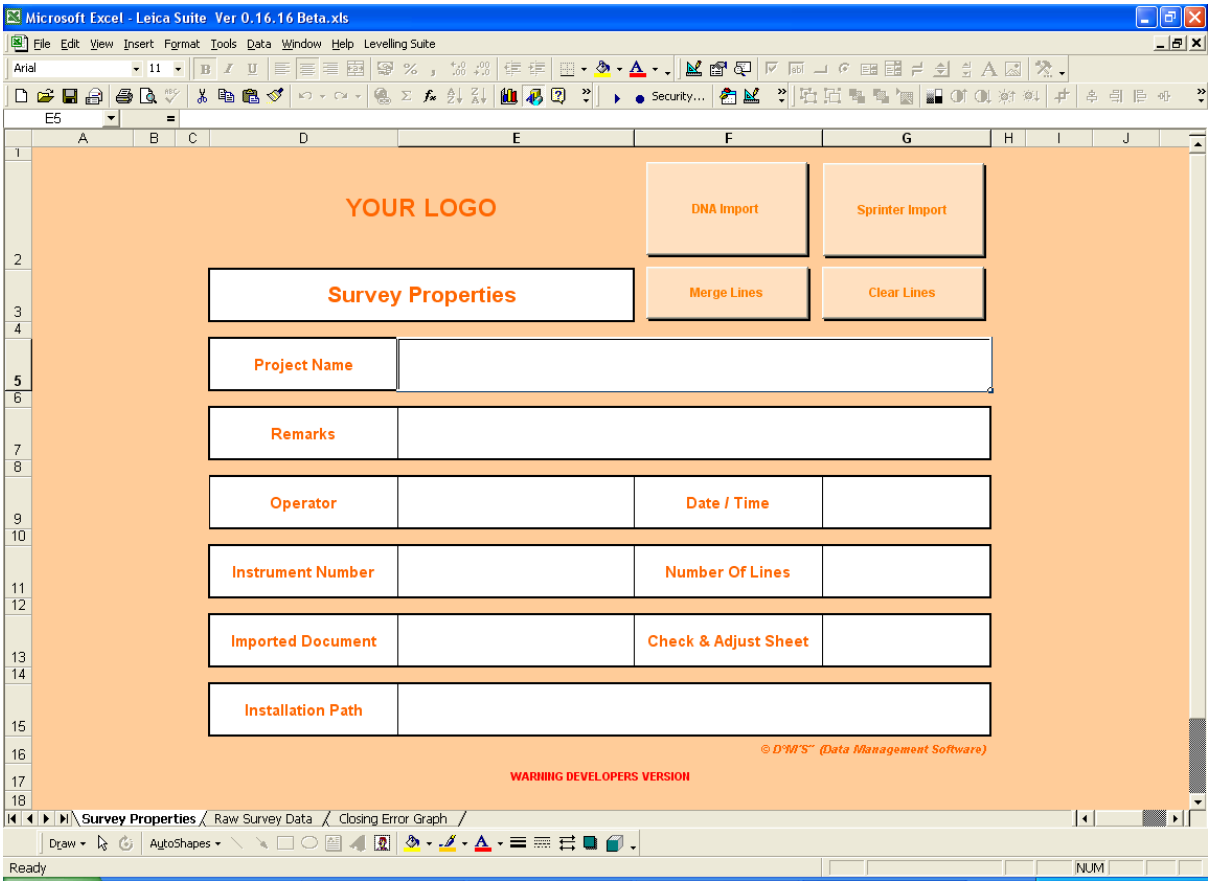
To launch the application just double click on the Digital Levelling Suite icon on the desk top or contained within the Digital Levelling Suite folder.



When prompted click ‘Enable Macros’



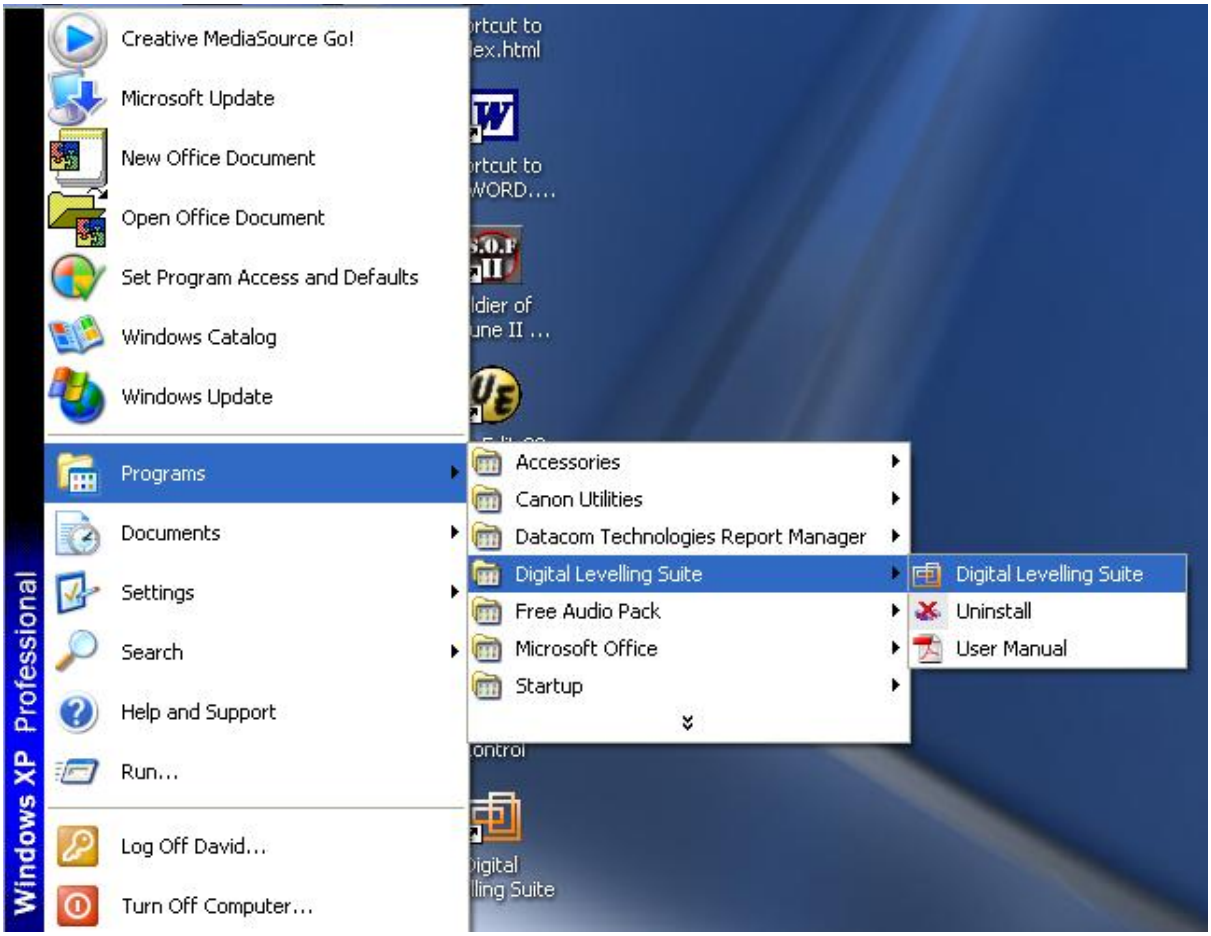
This will then launch the application with all the relevant Macros running.



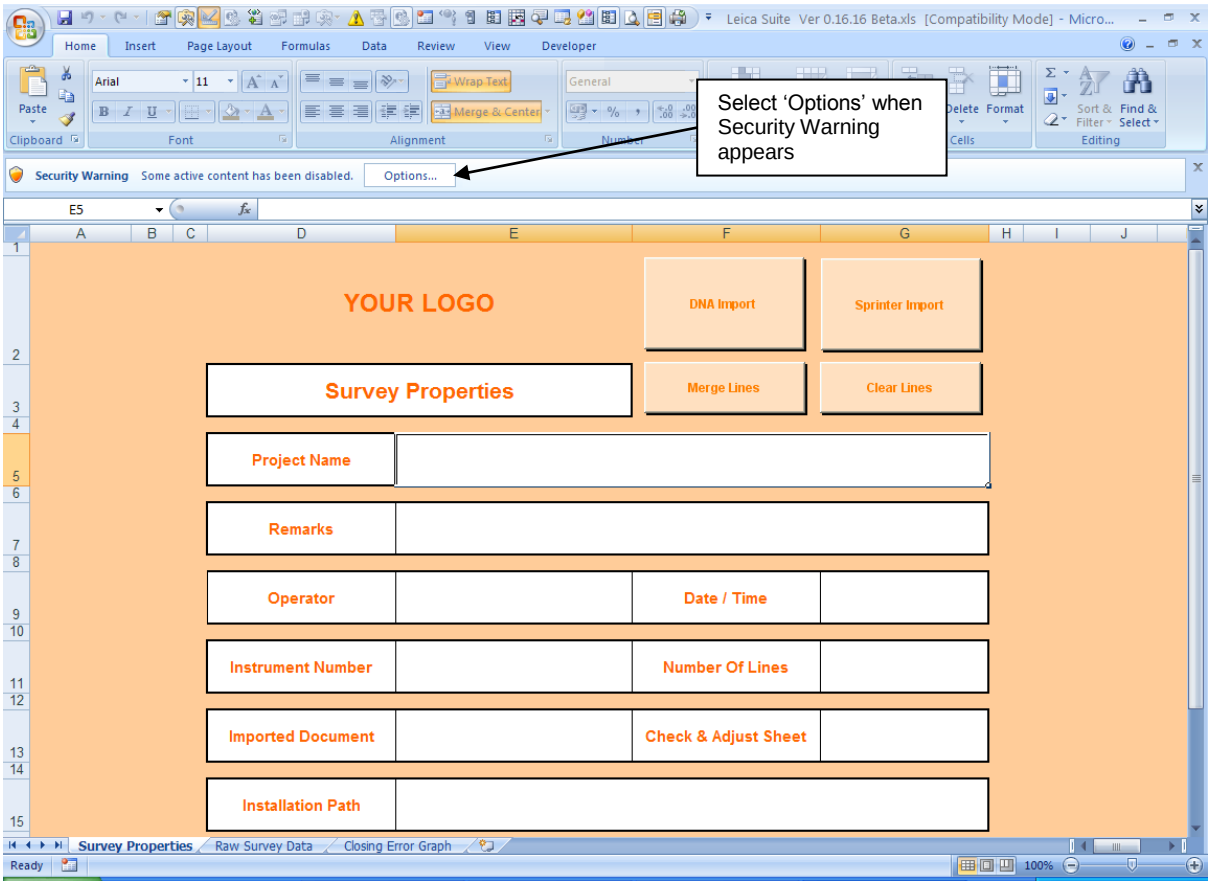
Launching Application 2007

Before launching the application please refer to Appendix D: Macro Security Settings.

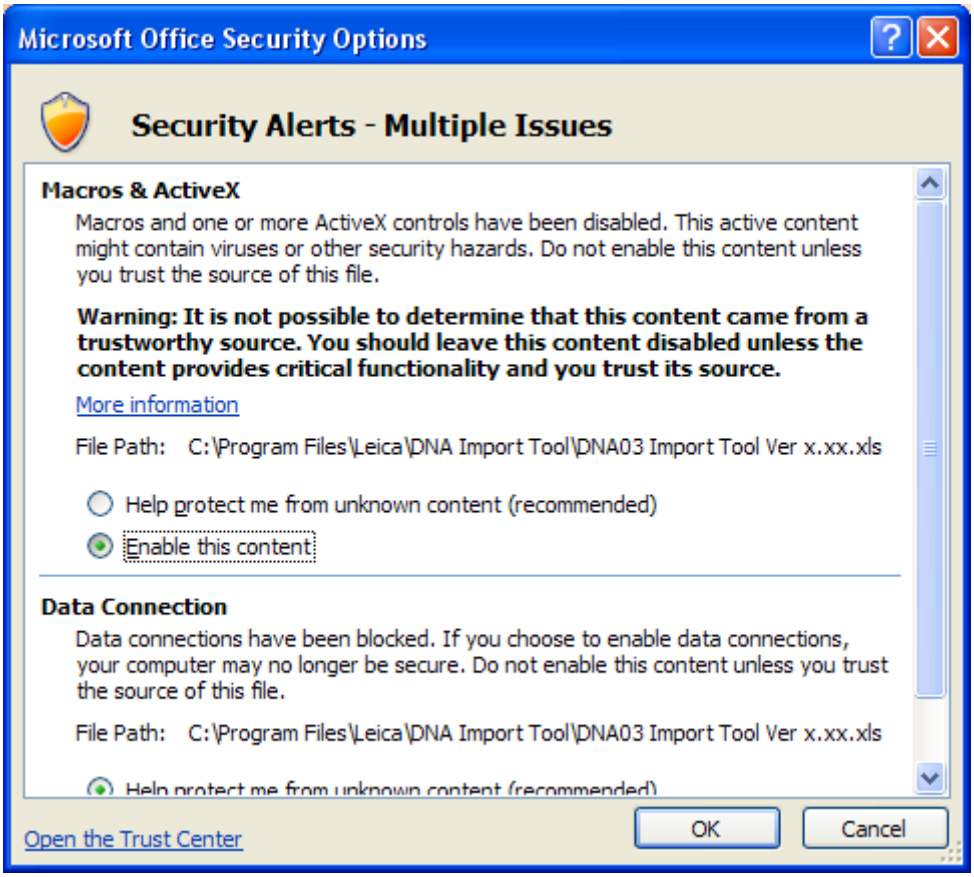
To launch the application just double click on the Digital Levelling Suite icon on the desk top or contained within the Digital Levelling Suite folder.



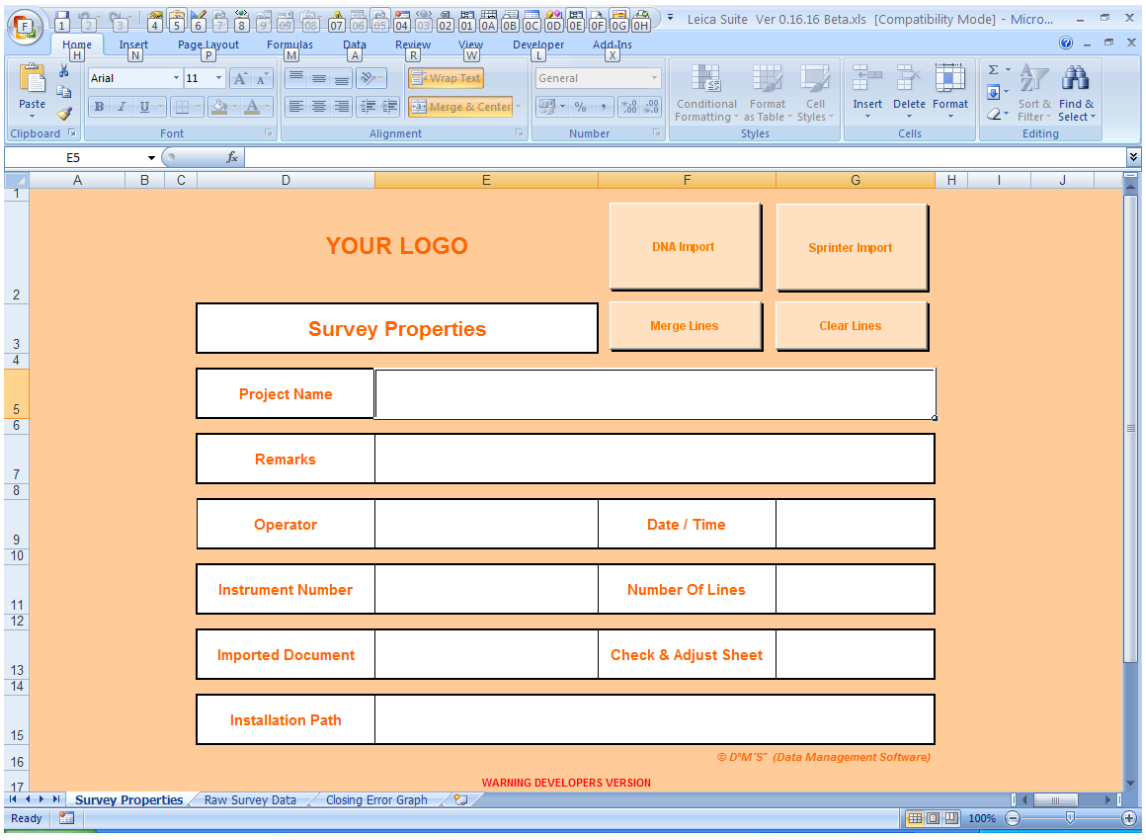
When the security warning appears, select ‘Options’



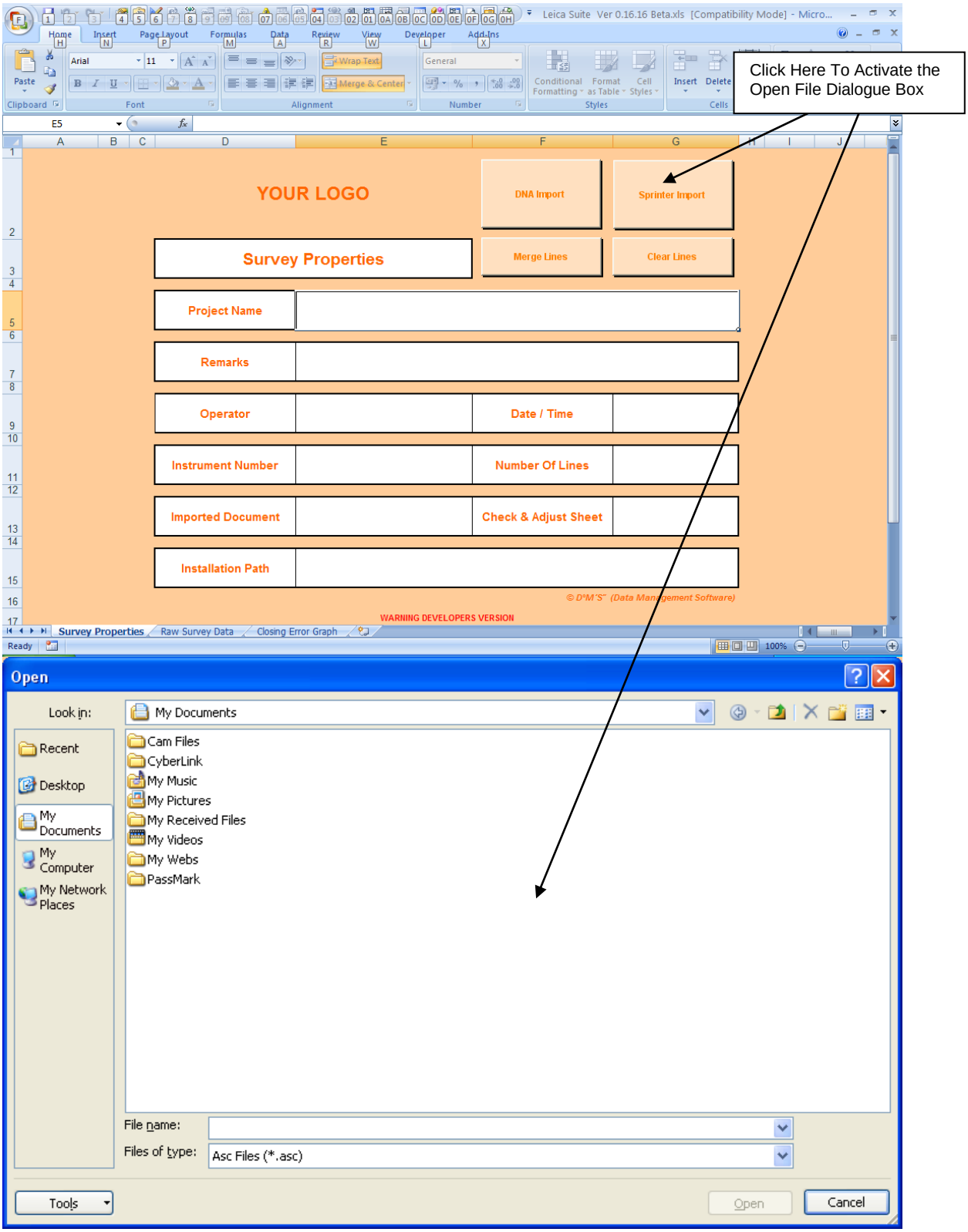
When prompted select ‘Enable this content’ then ‘OK’



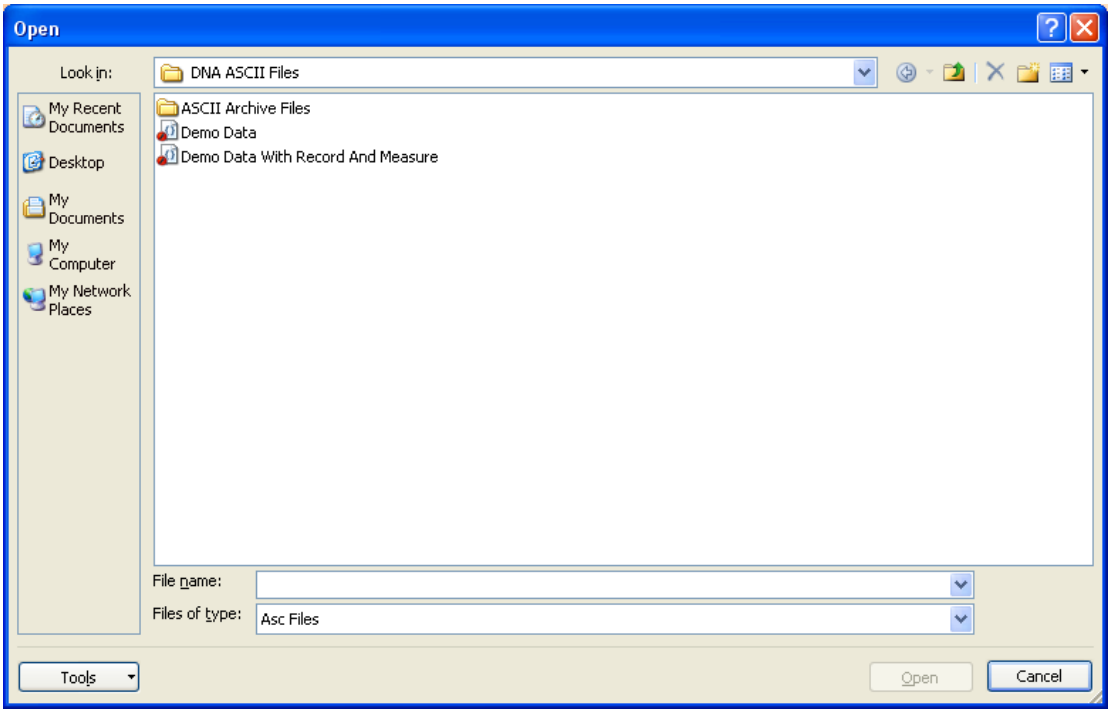
This will then launch the application with all the relevant Macros running.



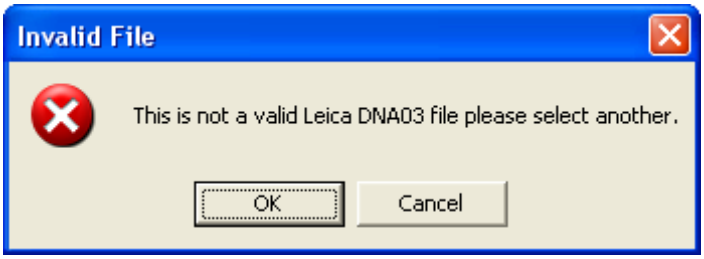
Importing Leica DNA or Sprinter Data



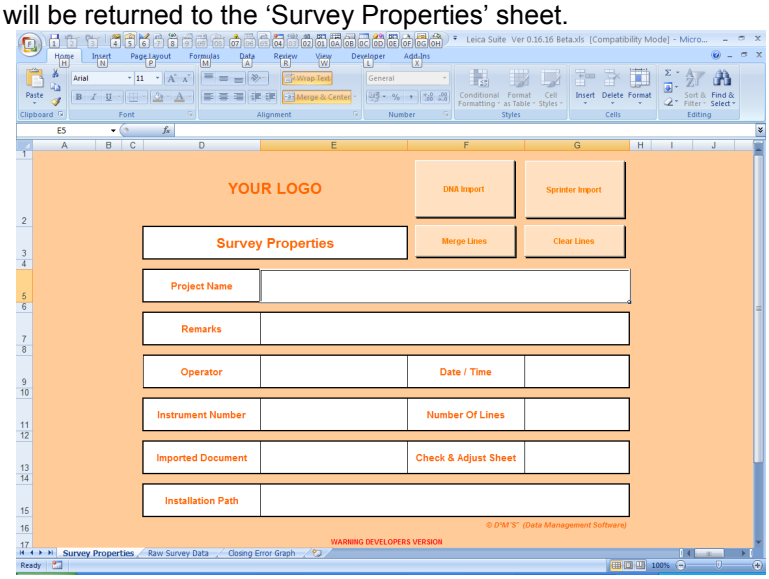
Select the ASCII file you wish to import in this case we have selected the file ‘Demo Data.asc'



If the ASCII file that you have selected does not contain Leica DNA / SPRINTER data then the following prompt will appear.

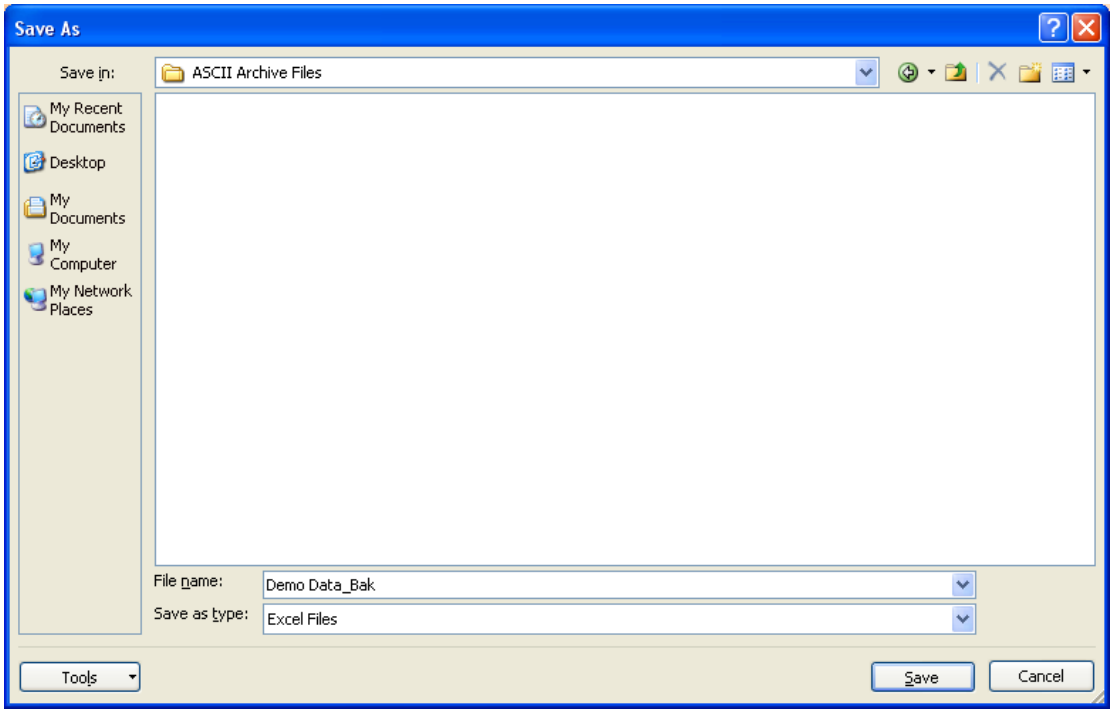


If ‘OK’ is selected then you will be returned to the previous ‘Open File’ dialogue box. If ‘Cancel’ is selected then you will be returned to the ‘Survey Properties’ sheet.



Back Up File Prompt

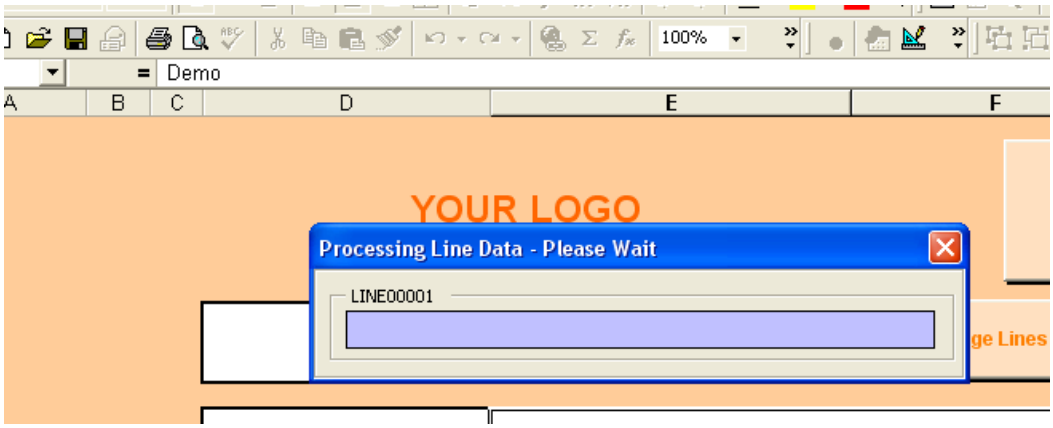
If you select 'Yes' to back up the raw data the following dialogue box will be displayed.



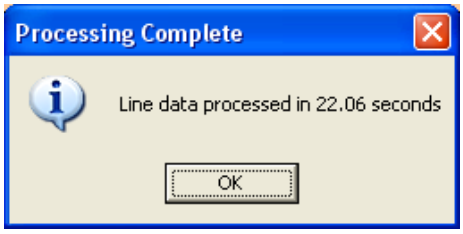
Select the folder you wish to save the raw data into; in this case we have selected the directory ‘ASCII Archive Files’ provided. Then click ‘Save’. The file will be saved with the original file name plus ‘_Bak’. In this case the file 'Demo Data.Asc' would be renamed as ‘Demo Data_Bak.Xls’. Once you have selected the appropriate directory click ‘Save’. The back up file will be saved and the data import will commence.

If you opt to not save a back up of the file the dialogue box will close and the data import will commence.

When you import your DNA data a progress bar will be displays letting you know how far it is thought the import and processing procedure.



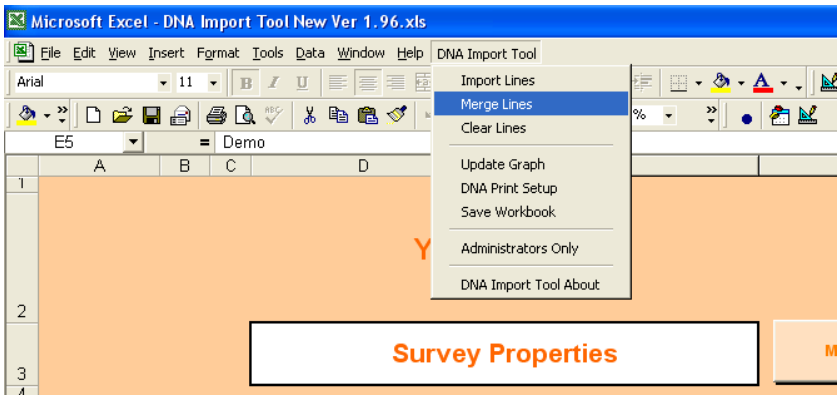
Once complete the total time taken will be displayed.



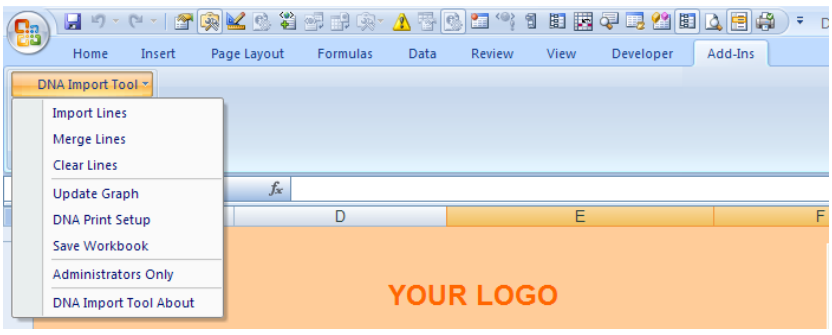
Drop Down Menu

The drop down menu bar allows access to the features displayed on the screen as well as further features e.g. DNA print set up

Excel 97 – 2000

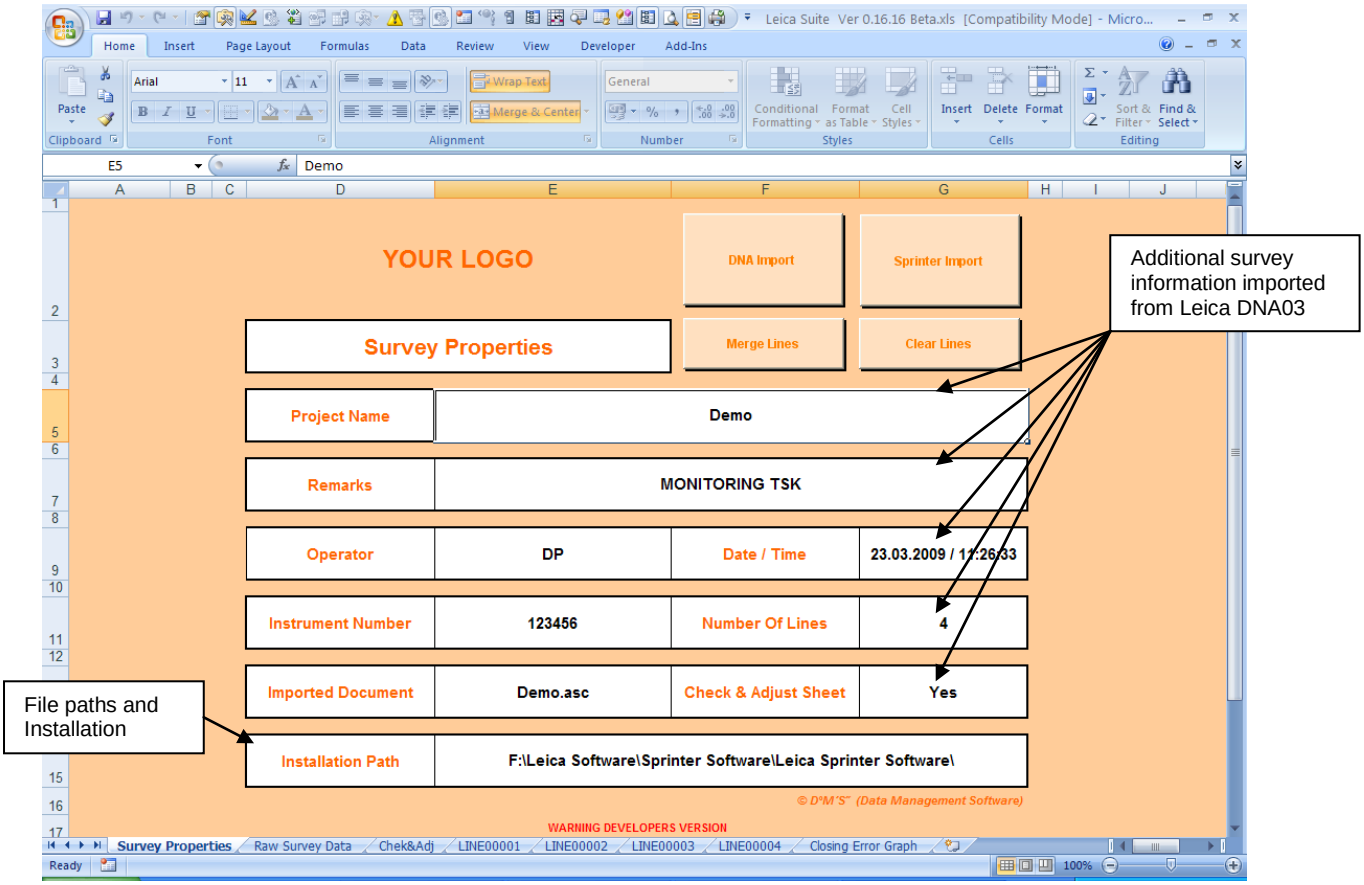


Excel 2007



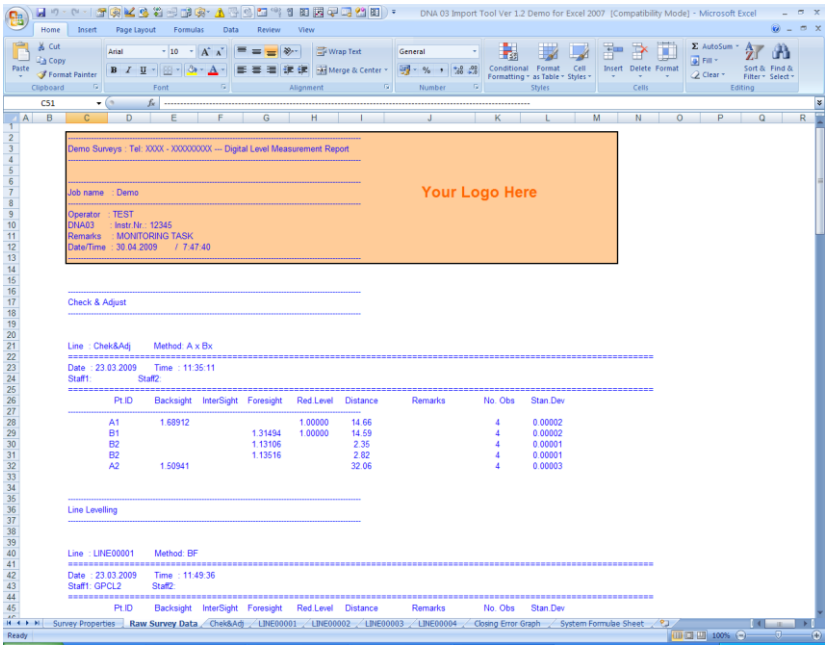
Survey Properties Sheet

Once the data has been imported and converted you will see additional information about the project in the Survey Properties sheet.



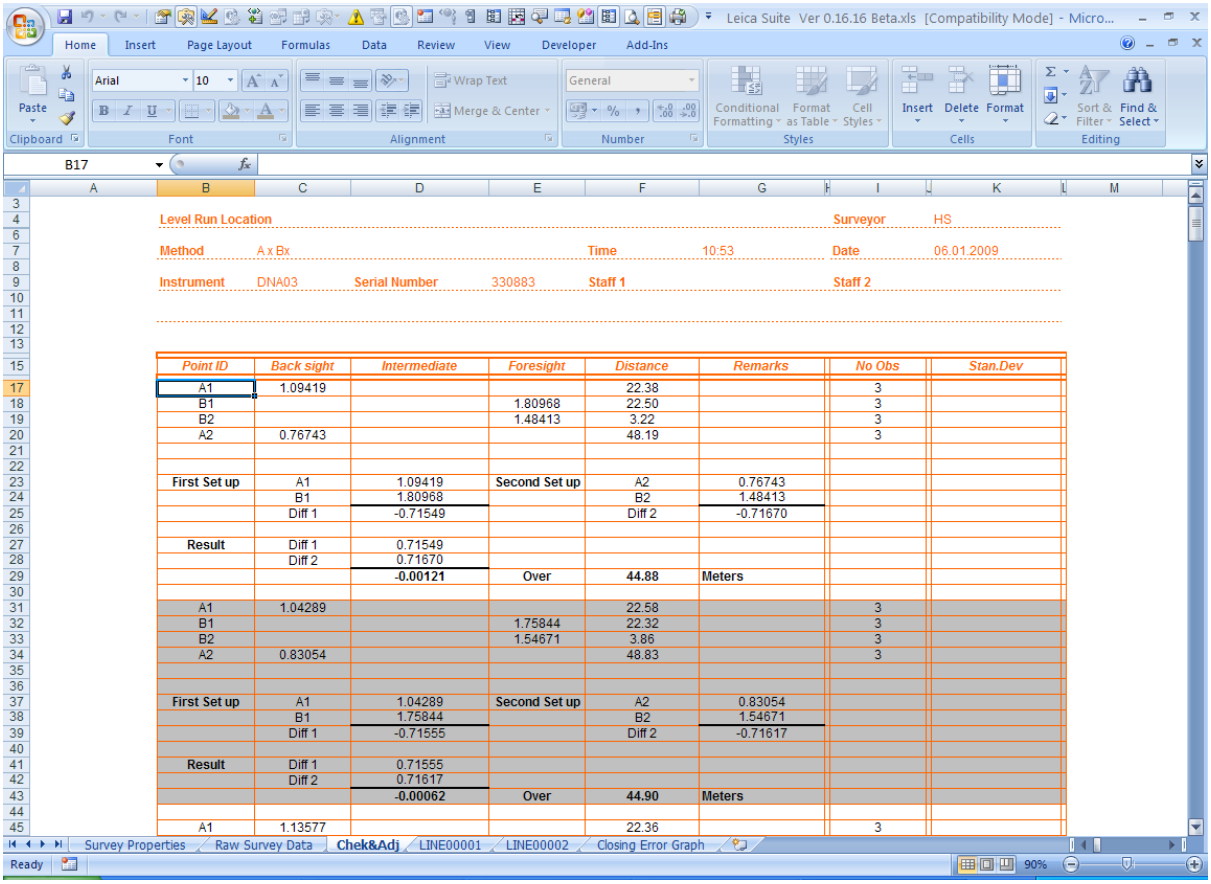
Raw Data Sheet

The following sheet 'Raw Data' is formatted version of the imported ASC file.



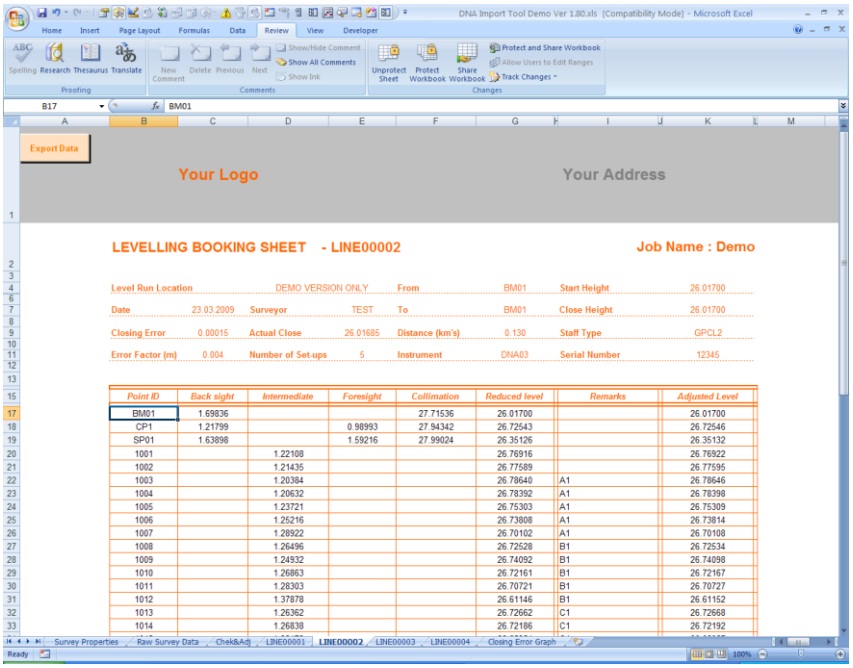
Chek&Adj

This sheet is derived from the data downloaded from the Leica DNA / SPRINTER. The Check and Adjust sheet shows 4 readings, if the operator has taken more than four reading then the last 4 are displayed.



Point ID	Back sight	Intermediate	Foresight	Distance	Remarks	No Obs	Stan.Dev
A1	1.09419			22.38		3	
B1			1.80968	22.50		3	
B2			1.48413	3.22		3	
A2	0.76743			48.19		3	
First Set up	A1	1.09419	Second Set up	A2	0.76743		
	B1	1.80968		B2	1.48413		
	Diff 1	-0.71549		Diff 2	-0.71670		
Result	Diff 1	0.71549					
	Diff 2	0.71670					
		-0.00121	Over	**44.88**	**Meters**		
A1	1.04289			22.58		3	
B1			1.75844	22.32		3	
B2			1.54671	3.86		3	
A2	0.83054			48.83		3	
First Set up	A1	1.04289	Second Set up	A2	0.83054		
	B1	1.75844		B2	1.54671		
	Diff 1	-0.71555		Diff 2	-0.71617		
Result	Diff 1	0.71555					
	Diff 2	0.71617					
		-0.00062	Over	**44.90**	**Meters**		
A1	1.13577			22.36		3	

Line Sheets

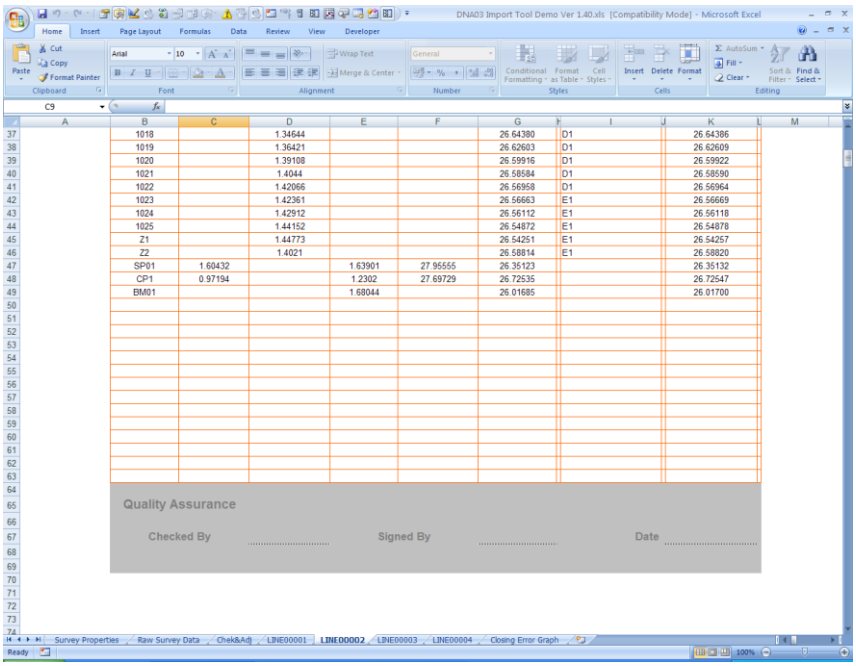


Line data is imported from the Leica in to separate sheets i.e. Line00001, Line00002 etc.

The naming convention is taken directly from the Leica DNA / SPRINTER.

All data in the header area is drawn from the downloaded information except for the Level Run Location and Weather fields

The 'From' and 'To' fields have been compiled from the first and last point on the survey line. These can be changed by editing the cells, if for instance you have assigned temporary names when in the field

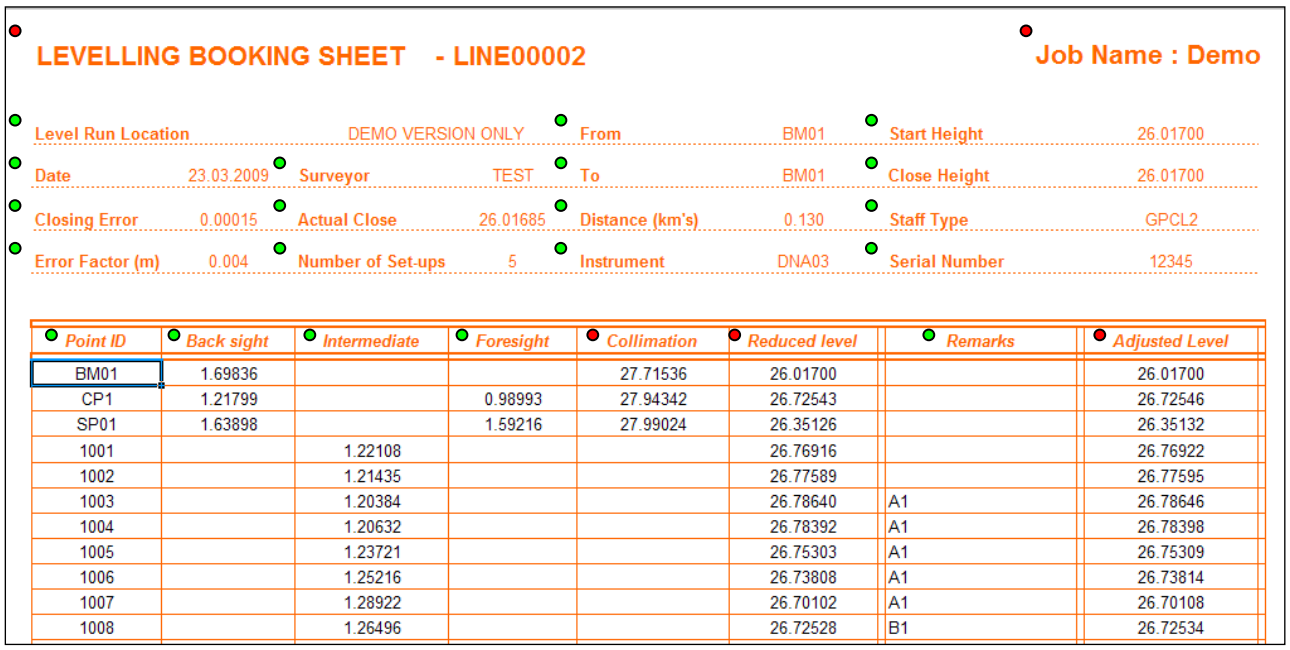


At the end of the last page of each line an additional footer is added for quality assurance purposes.

Amending Cells within Levelling Booking Sheets

The following shows the cells that can and can not be amended.

- Fields that can not be amended
- Fields that can be amended

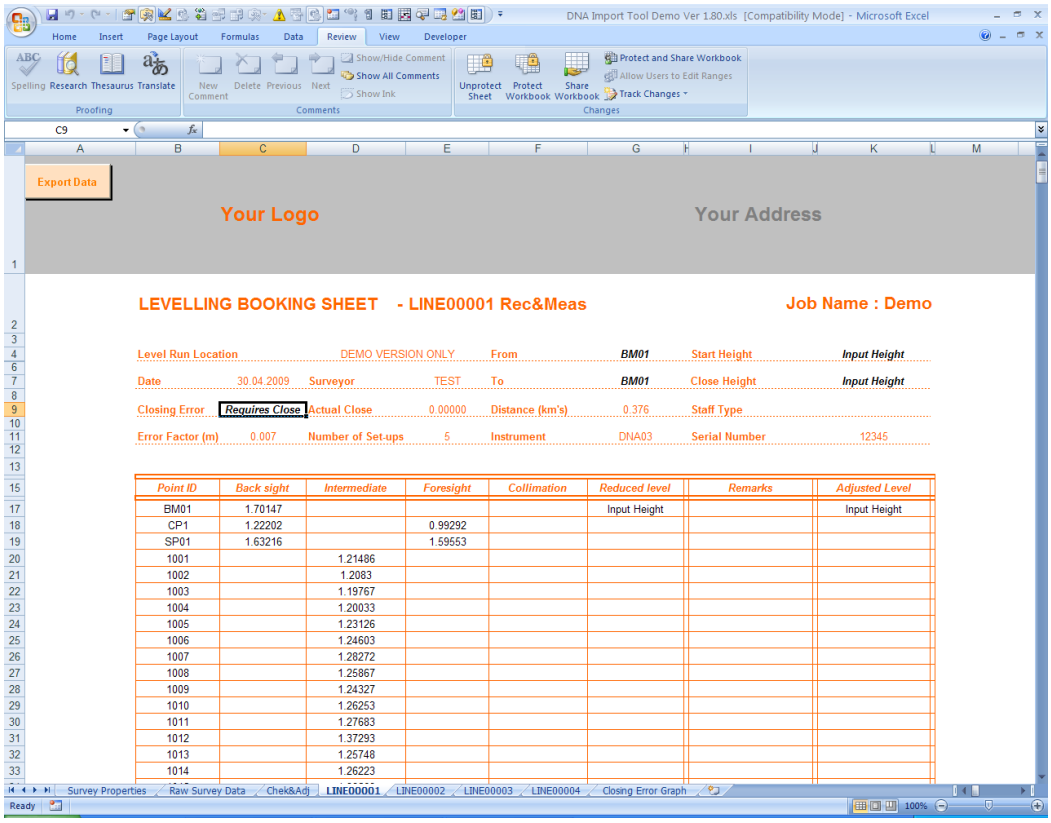


LEVELLING BOOKING SHEET - LINE00002 — **Job Name : Demo**

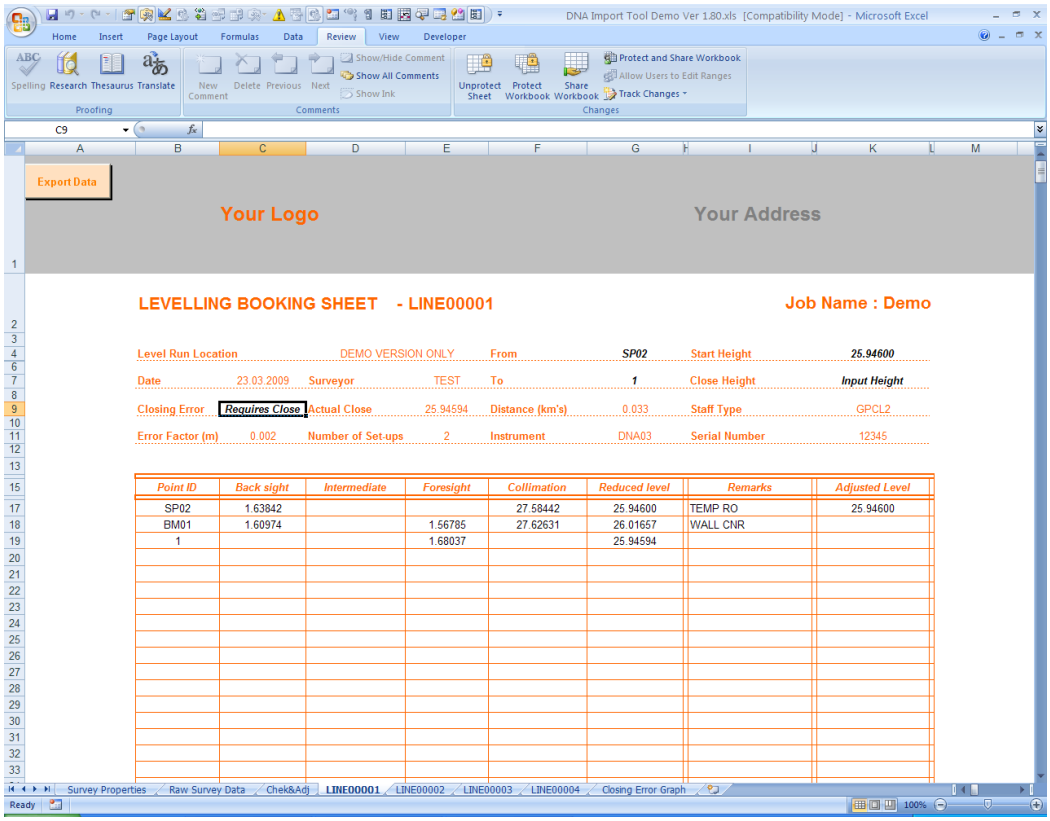
Level Run Location	DEMO VERSION ONLY			From	BM01	Start Height	26.01700
Date	23.03.2009	Surveyor	TEST	To	BM01	Close Height	26.01700
Closing Error	0.00015	Actual Close	26.01685	Distance (km's)	0.130	Staff Type	GPCL2
Error Factor (m)	0.004	Number of Set-ups	5	Instrument	DNA03	Serial Number	12345

Point ID	Back sight	Intermediate	Foresight	Collimation	Reduced level	Remarks	Adjusted Level
BM01	1.69836			27.71536	26.01700		26.01700
CP1	1.21799		0.98993	27.94342	26.72543		26.72546
SP01	1.63898		1.59216	27.99024	26.35126		26.35132
1001		1.22108			26.76916		26.76922
1002		1.21435			26.77589		26.77595
1003		1.20384			26.78640	A1	26.78646
1004		1.20632			26.78392	A1	26.78398
1005		1.23721			26.75303	A1	26.75309
1006		1.25216			26.73808	A1	26.73814
1007		1.28922			26.70102	A1	26.70108
1008		1.26496			26.72528	B1	26.72534

Levelling Book – Record and Measure

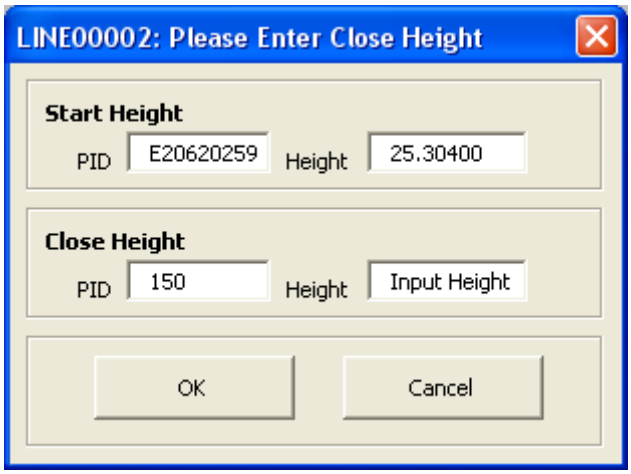


Levelling Book – No Close



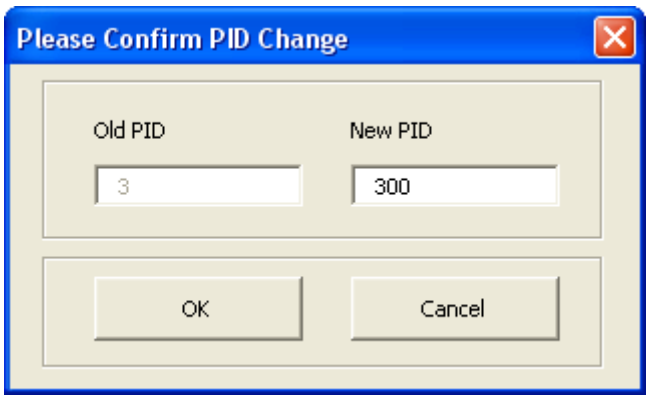
Change Start / Close Height & Point ID's

If either the start height or close height are missing the following message will appear when the line sheet is opened.

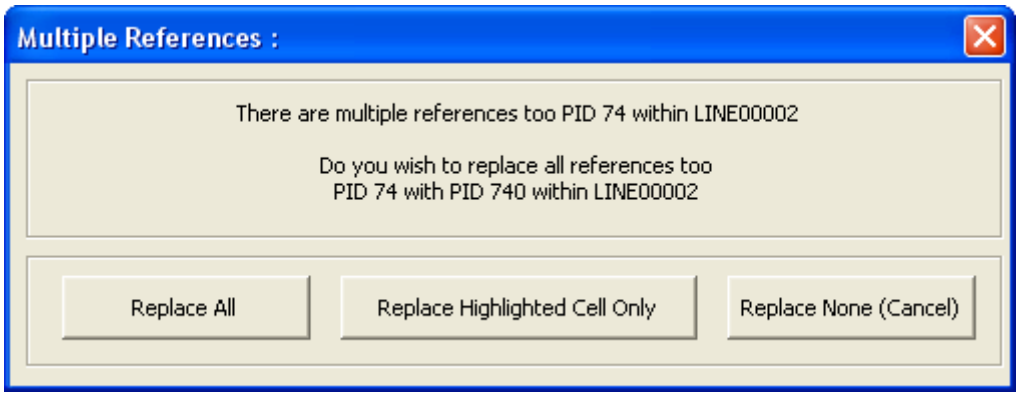


At this point you can change any of the fields displayed. If you do not wish to enter the missing info at this stag then click Cancel. To access this dialogue box at any other time just click on either the start or close height fields.

To change any other PID then select the PID to change, enter the new details and RTN, the following dialogue box will appear to confirm the change.



If there are multiple occurrences of the PID you wish to change the following dialogue box will appear.

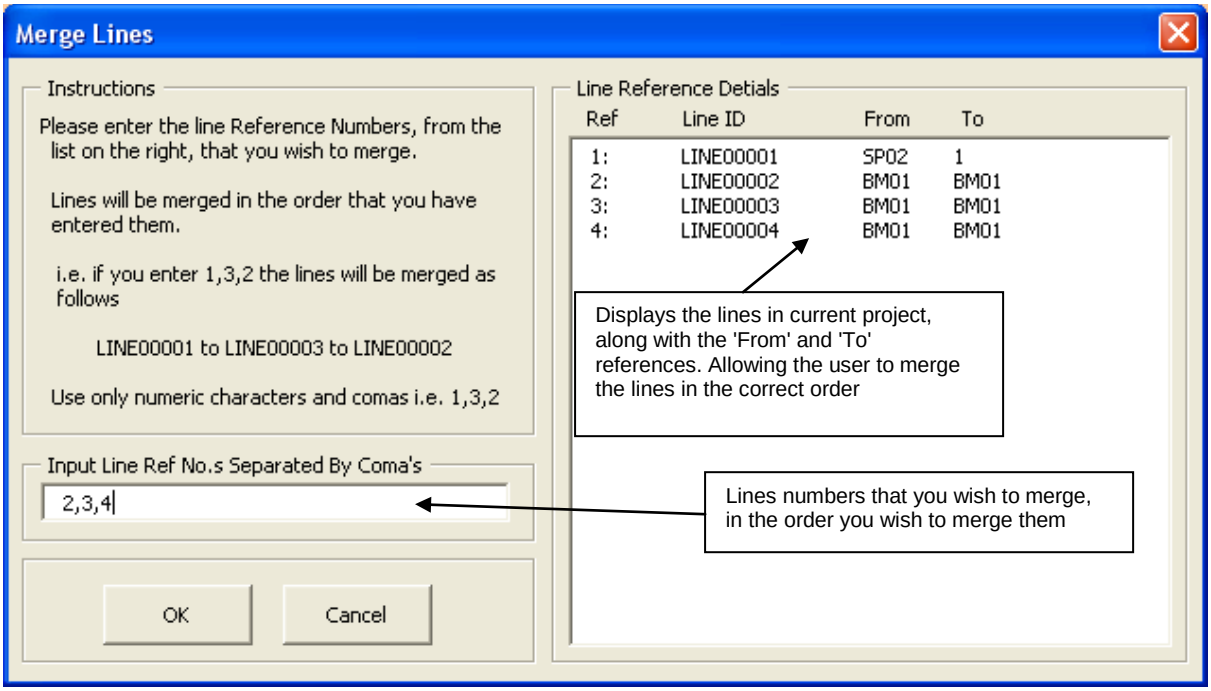


If to replace all occurrences select Replace All to replace only the one you selected select Replace Highlighted Cell Only to cancel select Cancel.

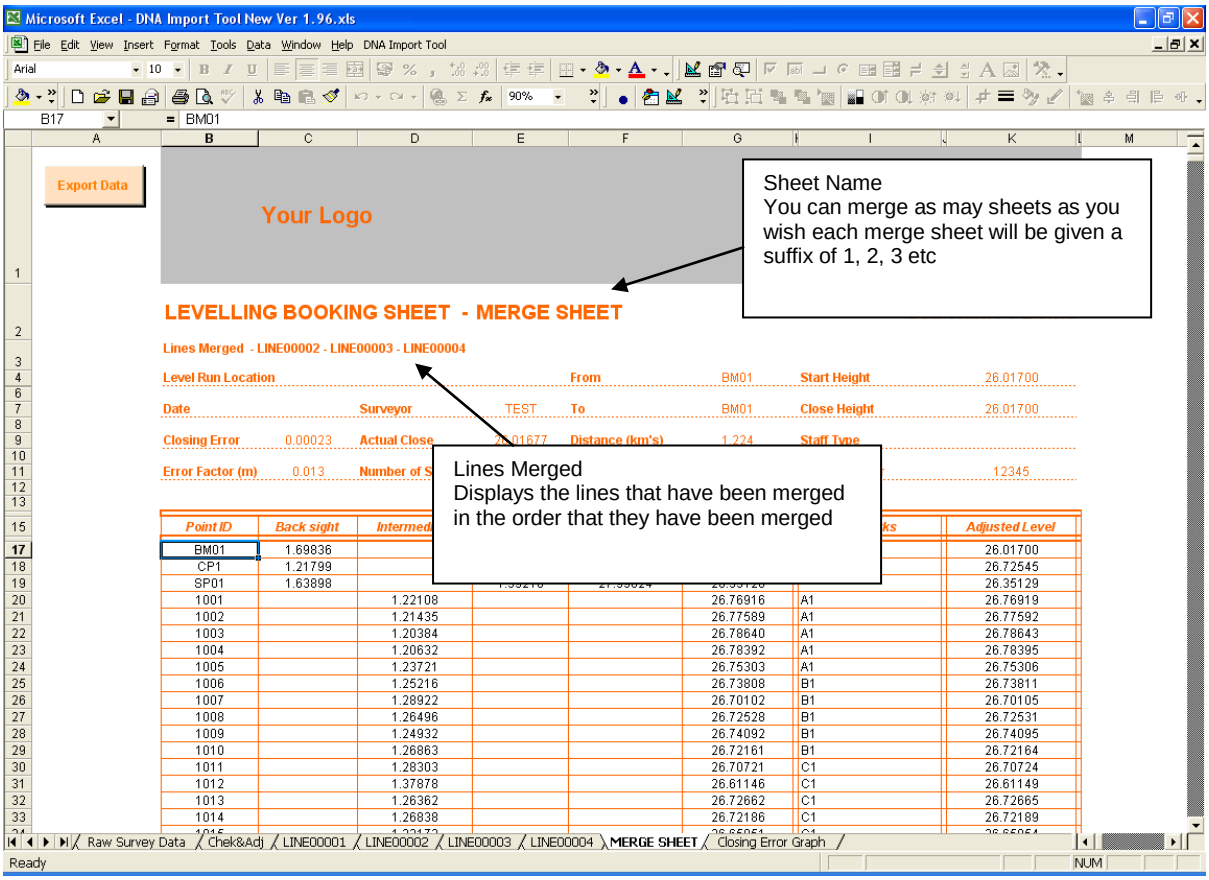
If you select to change all occurrences of the PID then the following dialogue box will appear informing you of the number of replacements made in that line.

Merge Lines

This allows the user to merge a number of lines together in any order they wish.

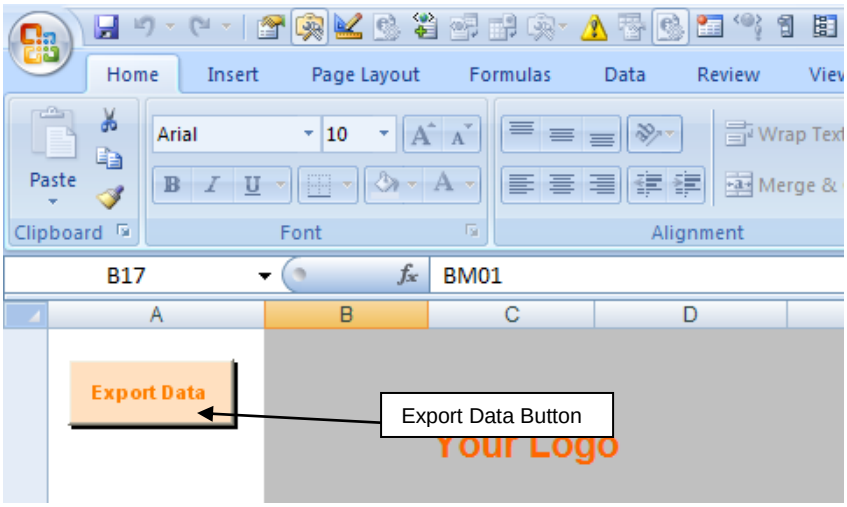


Once processed the information is displayed in the Levelling Booking Sheet which will also display the lines that have been merged in the order that they have been merged.



Export Lines

To Export data select the Export Data button.



The Export sheet has been updated to show, the exported data along side a summary of the data exported.

The summary includes the Point ID along with each reading for that ID the Average, Standard Deviation and Remarks of the Readings taken.

Individual lines can be exported in this case LINE00002 or

Exported Data LINE00002

Point ID	Reduced level	Adjusted Level	Remarks
1007	20.82423	20.83071	US TBM
1008	19.09034	19.09682	DS TBM
116	20.93726	20.94379	E5 WTRMEADS WR
117	20.01277	20.01936	
118	20.09615	20.10280	
119	20.06630	20.07300	P33 P33
120	21.13869	21.14545	
121	21.81080	21.81762	
122	20.89904	20.90591	
123	22.14107	22.14800	
124	22.03887	22.04586	
125	21.92274	21.92978	P?
126	21.44801	21.45511	
127	21.83379	21.84094	
128	22.45336	22.46057	IC P24
129	23.10044	23.10771	P23
130	23.18099	23.18831	
131	22.35603	22.36341	
132	23.28297	23.29041	
133	21.55055	21.55804	P
134	22.47026	22.47781	
135	21.53771	21.54532	NRABM
136	22.47014	22.47780	
137	21.55026	21.55798	
138	23.28278	23.29055	P
139	23.19901	23.20684	
140	23.53928	23.54717	
141	23.79280	23.80074	E5 GOAT BRDGE
1001	23.76075	23.76869	U/S TBM
1002	23.57073	23.57867	D/S TBM
142	23.53932	23.54732	
143	23.19900	23.20706	
144	22.82443	22.83254	
145	23.17855	23.18672	
146	23.53177	23.53999	
147	23.72679	23.73507	P
148	24.40022	24.40856	
149	24.70060	24.70899	
150	25.29555	25.30400	

Averages And Standard Deviation LINE00002

Point ID	Reading 1	Reading 2	Reading 3	Reading 4	Reading 5	Average	Stan. Dev	Remarks
134	22.47781					22.47781		
135	21.54532					21.54532		NRABM,
136	22.47780					22.47780		
137	21.55798					21.55798		
138	23.29055					23.29055		P,
139	23.20684					23.20684		
140	23.54717					23.54717		
141	23.80074					23.80074		E5 GOAT BRDGE,
142	23.54732					23.54732		
143	23.20706					23.20706		
144	22.83254					22.83254		
145	23.18672					23.18672		
146	23.53999					23.53999		
147	23.73507					23.73507		P,
148	24.40856					24.40856		
149	24.70899					24.70899		
150	25.30400					25.30400		
1001	22.88243	17.97801	14.59791	23.76869		19.80676	4.30632	OSBM, US BM, US TBM, U/S TBM,
1002	24.00752	20.83287	17.91693	14.22567	23.57867	20.11233	4.09816	OSBM PH, US BM, DS BM, DS TBM, D/S TBM,
1003	23.77078	19.09909	17.84371	16.73609		19.36241	3.09338	US BM, DS BM, NRA BM, US TBM,
1004	23.58126	15.99553				19.78839	5.36392	DS BM, DS TBM,
1005	17.97750					17.97750		US TBM,
1006	17.91666					17.91666		DS TBM,
1007	20.83071					20.83071		US TBM,
1008	19.09682					19.09682		DS TBM,
E20620259	25.30400					25.30400		EACS E2,
E5	14.52545					14.52545		E5,

Merged line sheets can also be exported.

Exported Data MERGE SHEET

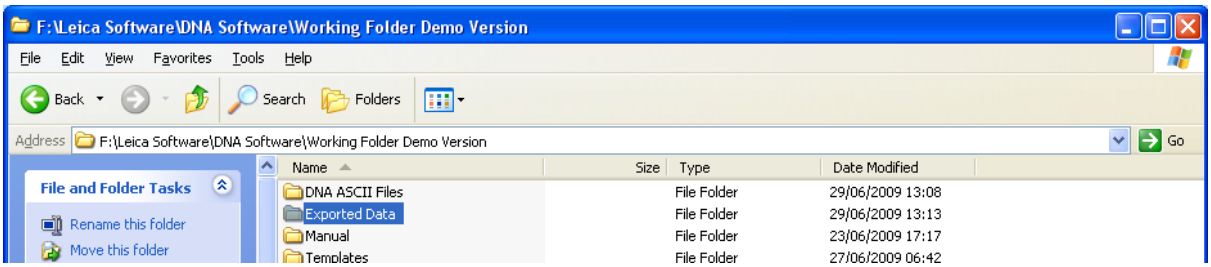
Point ID	Reduced level	Adjusted Level
BM01	26.01700	26.01700
CP1	26.72543	26.72545
SP01	26.35126	26.35129
1001	26.76916	26.76919
1002	26.77589	26.77592
1003	26.78640	26.78643
1004	26.78392	26.78395
1005	26.75303	26.75306
1006	26.73808	26.73811
1007	26.70102	26.70105
1008	26.72528	26.72531
1009	26.74092	26.74095
1010	26.72161	26.72164
1011	26.70721	26.70724
1012	26.61146	26.61149
1013	26.72662	26.72665
1014	26.72186	26.72189
1015	26.65851	26.65854
1016	26.64294	26.64297
1017	26.59954	26.59957
1018	26.64380	26.64383
1019	26.62603	26.62606
1020	26.59916	26.59919
1021	26.58584	26.58587
1022	26.56958	26.56961
1023	26.56663	26.56666
1024	26.56112	26.56115
1025	26.54872	26.54875
Z1	26.54251	26.54254
Z2	26.58814	26.58817
SP01	26.35123	26.35128

Averages And Standard Deviation MERGE SHEET

Point ID	Reading 1	Reading 2	Reading 3	Reading 4	Reading 5	Reading 6	Average	Stn Dev
1001	26.76916	26.76918	26.76888	26.76888			26.76903	0.00017
1002	26.77589	26.77576	26.77556				26.77574	0.00017
1003	26.78640	26.78629	26.78610				26.78626	0.00015
1004	26.78392	26.78379	26.78358				26.78376	0.00017
1005	26.75303	26.75290	26.75269				26.75287	0.00017
1006	26.73808	26.73792	26.73780				26.73793	0.00014
1007	26.70102	26.70090	26.70077				26.70090	0.00013
1008	26.72528	26.72513	26.72496				26.72512	0.00016
1009	26.74092	26.74076	26.74061				26.74076	0.00016
1010	26.72161	26.72140	26.72129				26.72143	0.00016
1011	26.70721	26.70703	26.70695				26.70706	0.00013
1012	26.61146	26.61131	26.61117				26.61131	0.00015
1013	26.72662	26.72643	26.72633				26.72646	0.00015
1014	26.72186	26.72172	26.72161				26.72173	0.00013
1015	26.65851	26.65834	26.65822				26.65836	0.00015
1016	26.64294	26.64280	26.64269				26.64281	0.00013
1017	26.59954	26.59936	26.59922				26.59937	0.00016
1018	26.64380	26.64367	26.64357				26.64368	0.00012
1019	26.62603	26.62590	26.62584				26.62592	0.00010
1020	26.59916	26.59902	26.59893				26.59904	0.00012
1021	26.58584	26.58571	26.58561				26.58572	0.00012
1022	26.56958	26.56941	26.56937				26.56945	0.00011
1023	26.56663	26.56643	26.56641				26.56649	0.00012
1024	26.56112	26.56089	26.56092				26.56098	0.00013
1025	26.54872	26.54853	26.54844				26.54856	0.00014
BM01	26.01700	26.01685	26.01679	26.01677			26.01685	0.00010
CP1	26.72543	26.72535	26.72529	26.72530	26.72526	26.72527	26.72532	0.00006
SP01	26.35126	26.35123	26.35118	26.35125	26.35118	26.35118	26.35121	0.00004
Z1	26.54251	26.54241	26.54228				26.54240	0.00012
Z2	26.58814	26.58802	26.58791				26.58802	0.00012

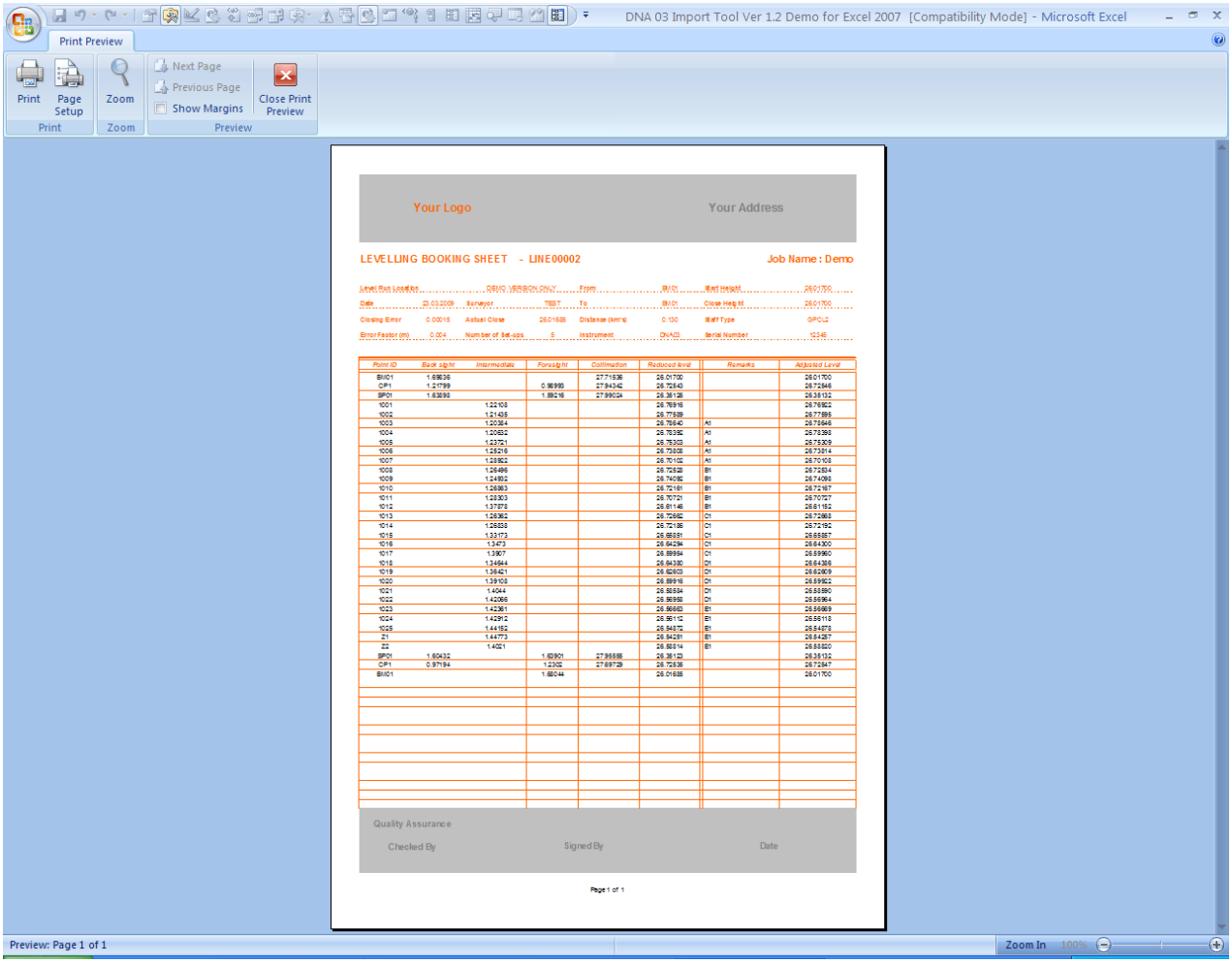
Once the data has been exported the use has the ability to cut, paste and copy this data into any other application that they wish.

The exported file will be saved in the Exported Data folder.



Printing

When you select the print preview screen only the cells containing data will be displayed or printed. If the number of cells containing data does not add up to one whole page, the software will insert the correct amount of cells complete the page.

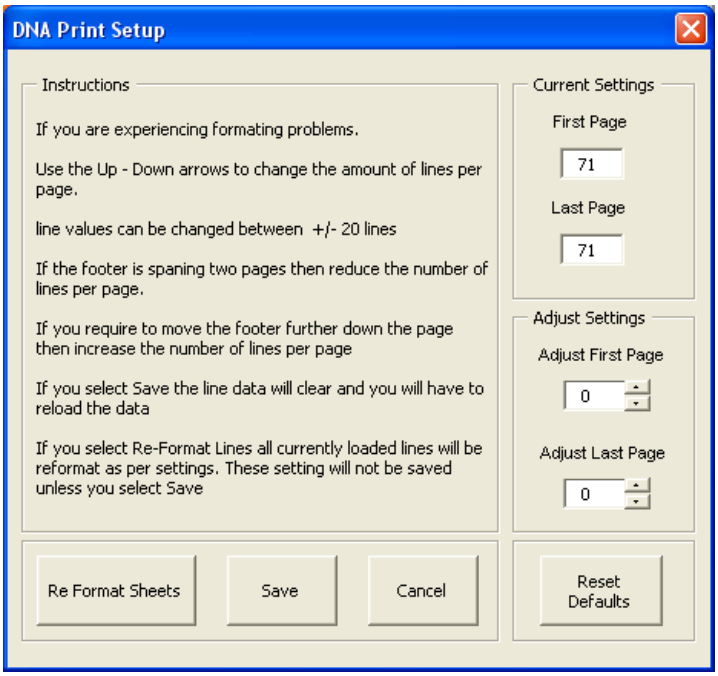


Please note that the Print Preview and Print facilities are not available in the Demo version of this software.

Print Settings

DNA Print Settings can be accessed via the drop down menu and allows the user to change the amount of lines printed on the first and last pages of the reports, in case the footer on these pages over runs the bottom of the sheets.

It will also allow you to actively reformat the sheets without the need to reload the data.



In Fig 1 the footer does not quite fit the page in Fig 2 the number of lines on the page has been reduced and the footer now fits exactly.

Fig1

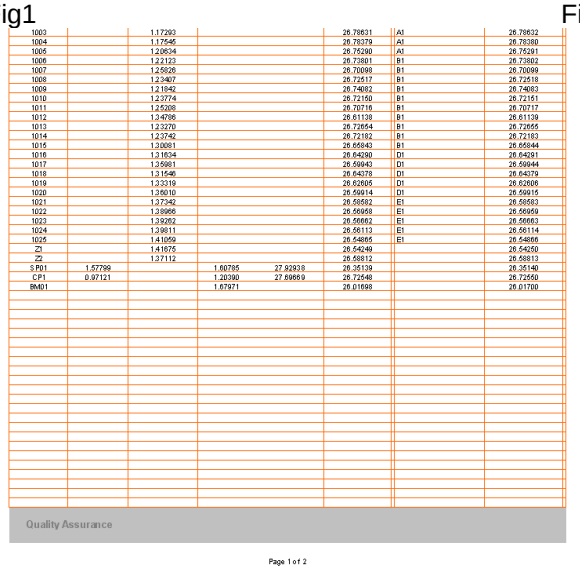
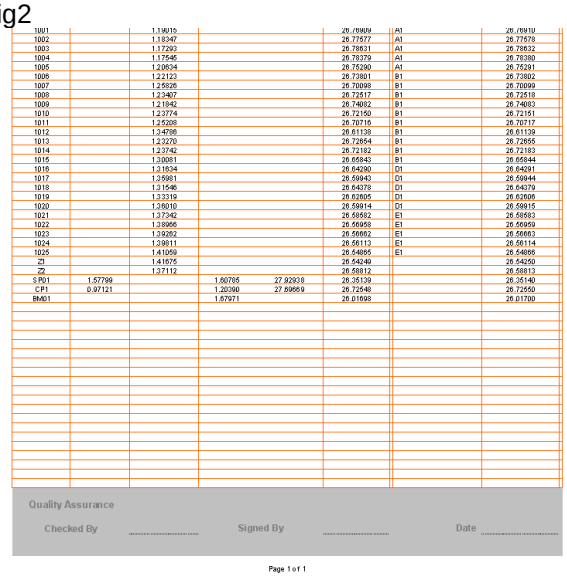


Fig2



Scanned Copy Of Printed Levelling Booking Sheet

Your Logo

Your Address

LEVELLING BOOKING SHEET - LINE00002

Job Name : Demo

Level Run Location		DEMO VERSION ONLY		From	BM01	Start Height	26.01700
Date	23.03.2009	Surveyor	TEST	To	BM01	Close Height	26.01700
Closing Error	0.00015	Actual Close	26.01685	Distance (km's)	0.130	Staff Type	GPCL2
Error Factor (m)	0.004	Number of Set-ups	5	Instrument	DNA03	Serial Number	12345

Point ID	Back sight	Intermediate	Foresight	Collimation	Reduced level	Remarks	Adjusted Level
BM01	1.69836			27.71536	26.01700		26.01700
CP1	1.21799		0.98993	27.94342	26.72543		26.72546
SP01	1.63898		1.59216	27.99024	26.35126		26.35132
1001		1.22108			26.76916		26.76922
1002		1.21435			26.77589		26.77595
1003		1.20384			26.78640	A1	26.78646
1004		1.20632			26.78392	A1	26.78398
1005		1.23721			26.75303	A1	26.75309
1006		1.25216			26.73808	A1	26.73814
1007		1.28922			26.70102	A1	26.70108
1008		1.26496			26.72528	B1	26.72534
1009		1.24932			26.74092	B1	26.74098
1010		1.26863			26.72161	B1	26.72167
1011		1.28303			26.70721	B1	26.70727
1012		1.37878			26.61146	B1	26.61152
1013		1.26362			26.72662	C1	26.72668
1014		1.26838			26.72186	C1	26.72192
1015		1.33173			26.65851	C1	26.65857
1016		1.3473			26.64294	C1	26.64300
1017		1.3907			26.59954	C1	26.59960
1018		1.34644			26.64380	D1	26.64386
1019		1.36421			26.62603	D1	26.62609
1020		1.39108			26.59916	D1	26.59922
1021		1.4044			26.58584	D1	26.58590
1022		1.42066			26.56958	D1	26.56964
1023		1.42361			26.56663	E1	26.56669
1024		1.42912			26.56112	E1	26.56118
1025		1.44152			26.54872	E1	26.54878
Z1		1.44773			26.54251	E1	26.54257
Z2		1.4021			26.58814	E1	26.58820
SP01	1.60432		1.63901	27.95555	26.35123		26.35132
CP1	0.97194		1.2302	27.69729	26.72535		26.72547
BM01			1.68044		26.01685		26.01700

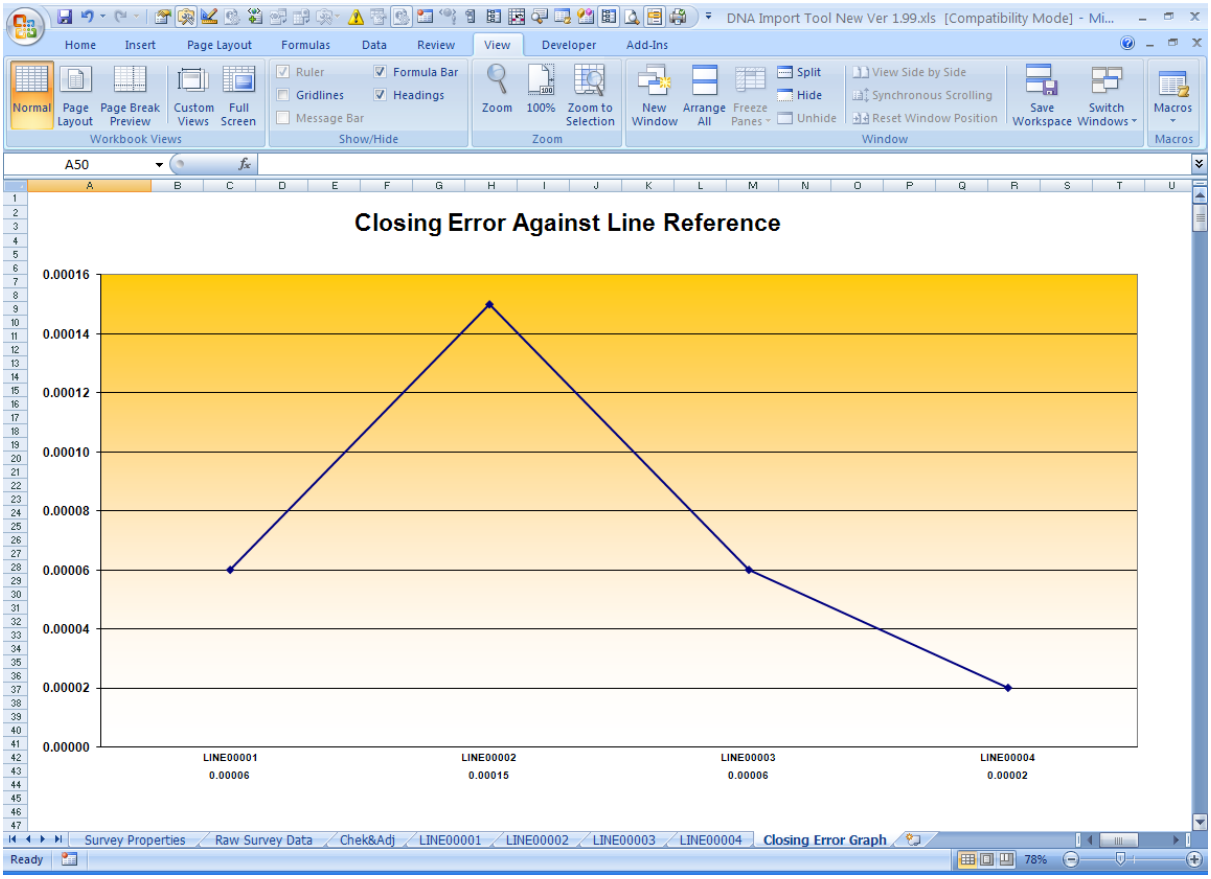
Quality Assurance

Checked By ..... Signed By ..... Date .....

Page 1 of 1

Closing Error Graph

This sheet takes the closing error from each line and represents it on the graph as a quick reference tool to highlight any lines which you may wish to double check.

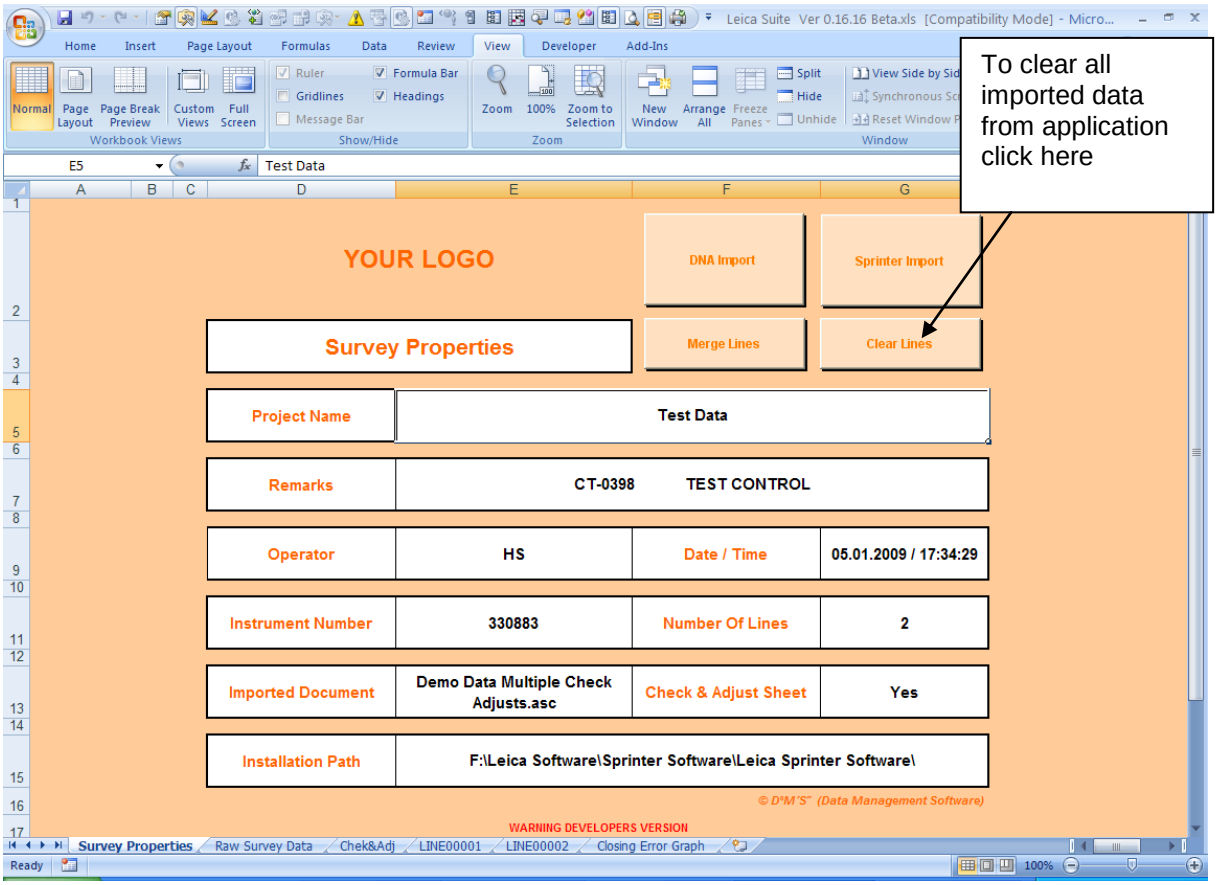


Update Graph

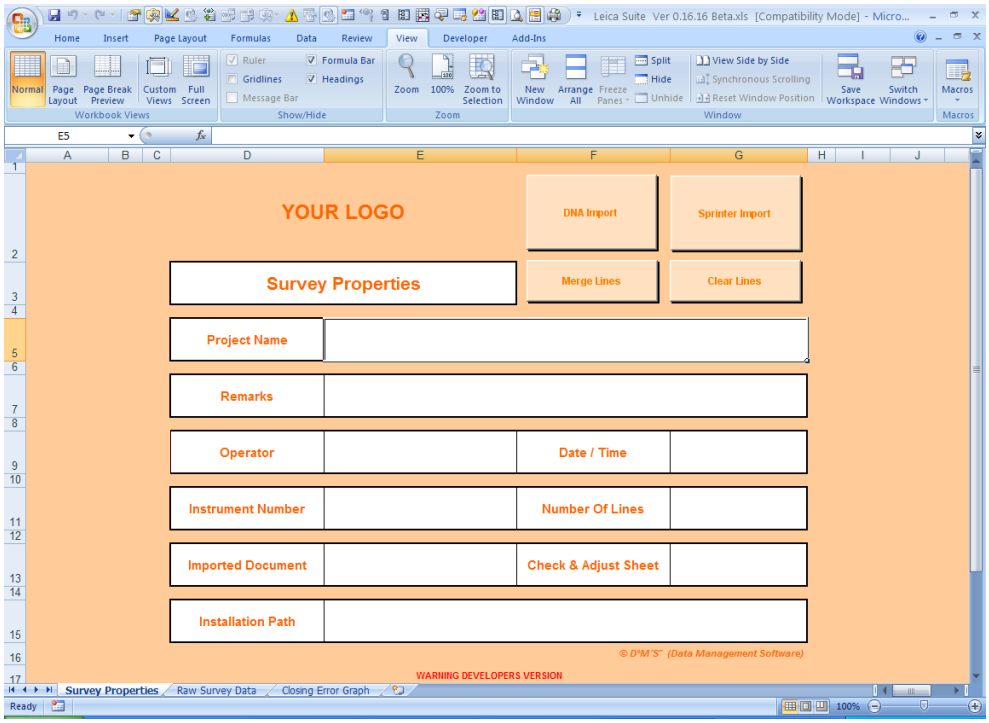
Once any closing heights that are missing on the Line sheets, have been entered then the graph will automatically update to reflect these changes

Clear Data

To clear all data that has been imported into the Digital Levelling Suite click here.



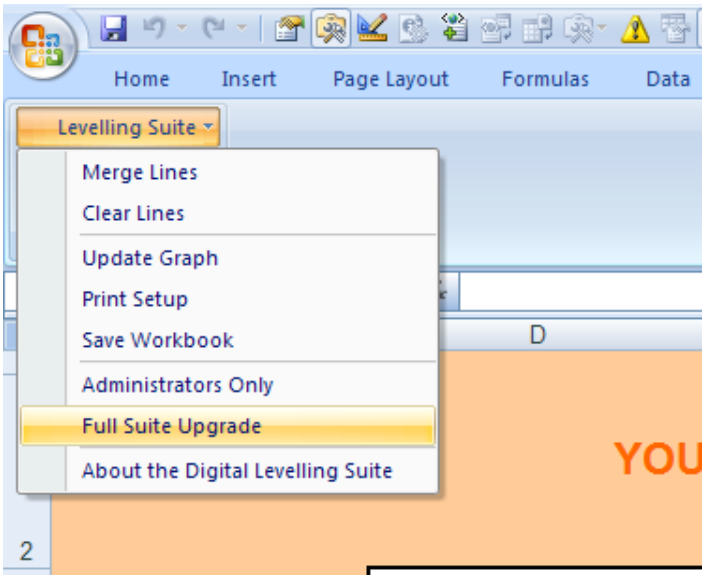
Data cleared



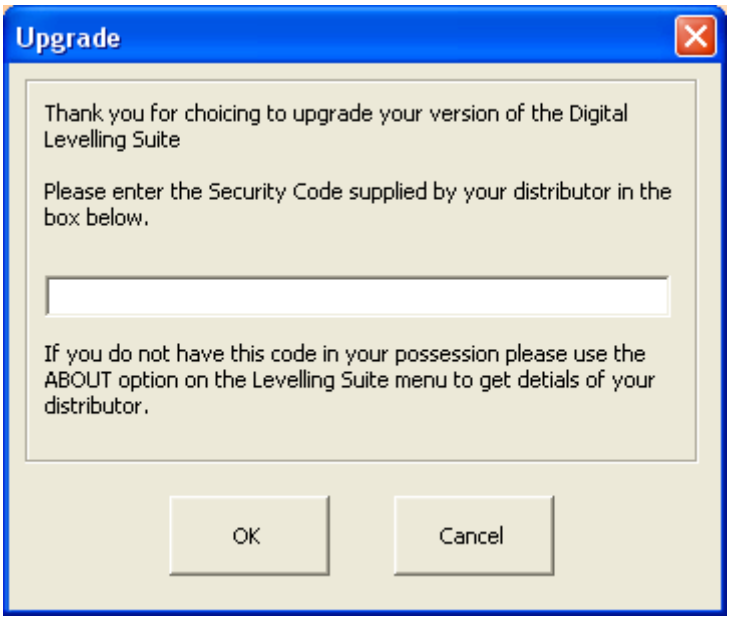
Upgrading your product:

If you have purchased either the Sprinter Only or DNA Only version and you wish to upgrade to the full Digital levelling suite then please contact your supplier, they will issue you with a product upgrade code.

To upgrade your product select Full Suite Upgrade from the Levelling Suite Menu

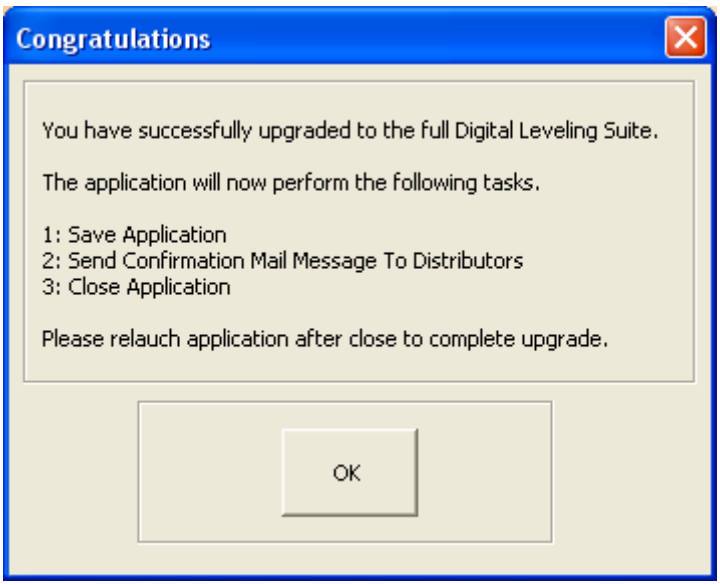


The following dialogue box will appear.



Enter the product code you have received from you supplier and select OK.

The following dialogue box will appear informing you that the following tasks will be performed.



Select OK the application will then perform the following tasks.

1. Save
2. Send confirmation email to your supplier
3. Close

Once the application has been re-launched you will have access to all the features of the full suite.

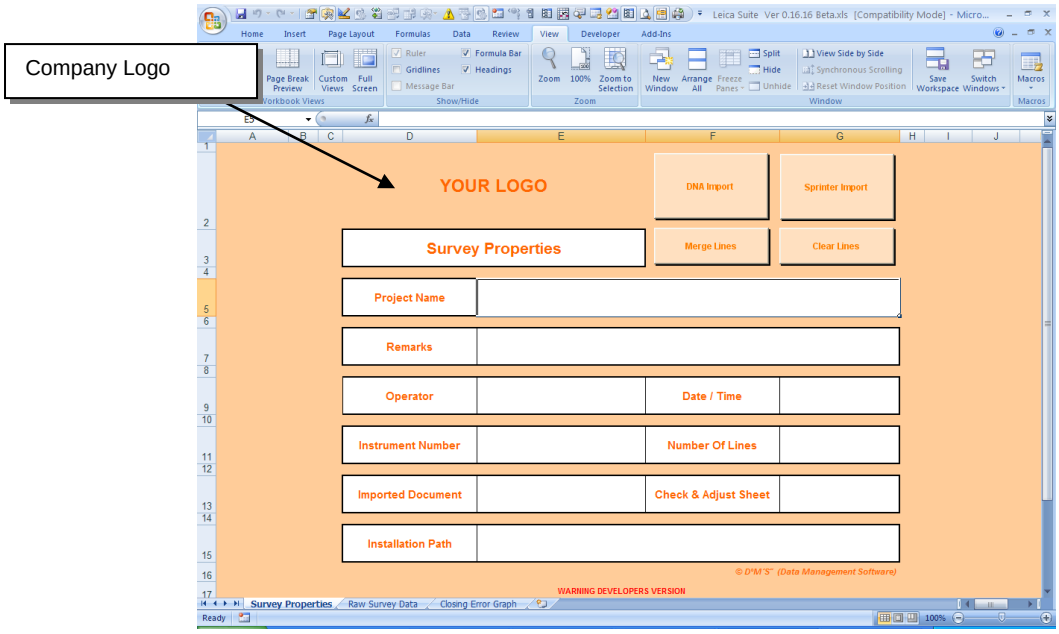
Appendix A: Customisation

We can customize the following sheets to reflect your company identity, on screen and on the printed documents.

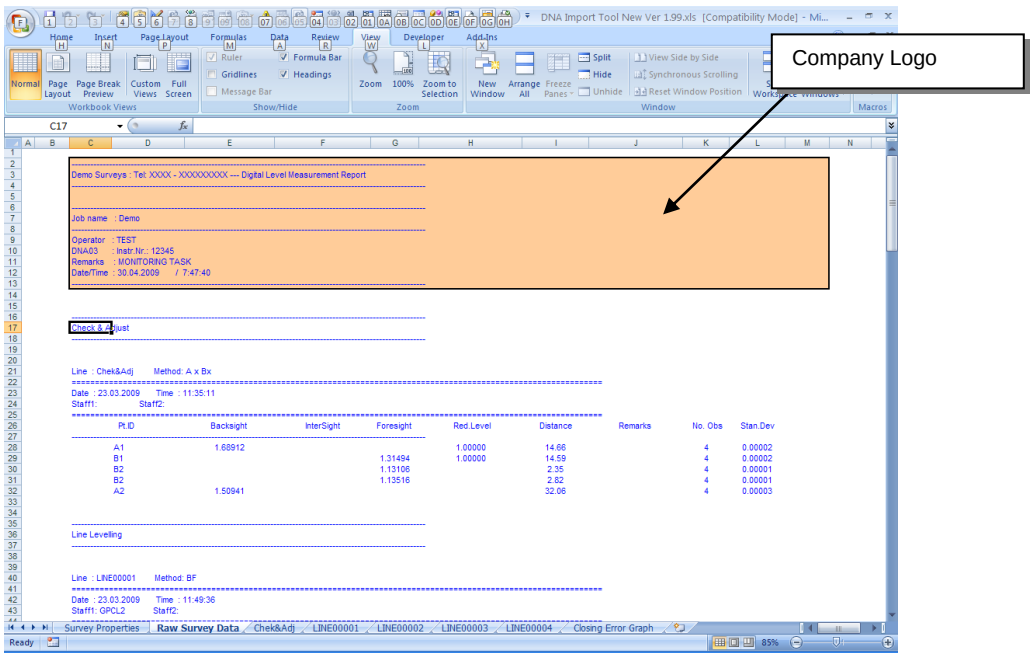
We would require a copy of your logo in either Bit Map of Jpeg format. If this is not available we can scan in your logo from your headed paper, however the quality may be diminished.

One customisation is included in the cost of the application. Any further modification in the future would be chargeable, please email support for quote.

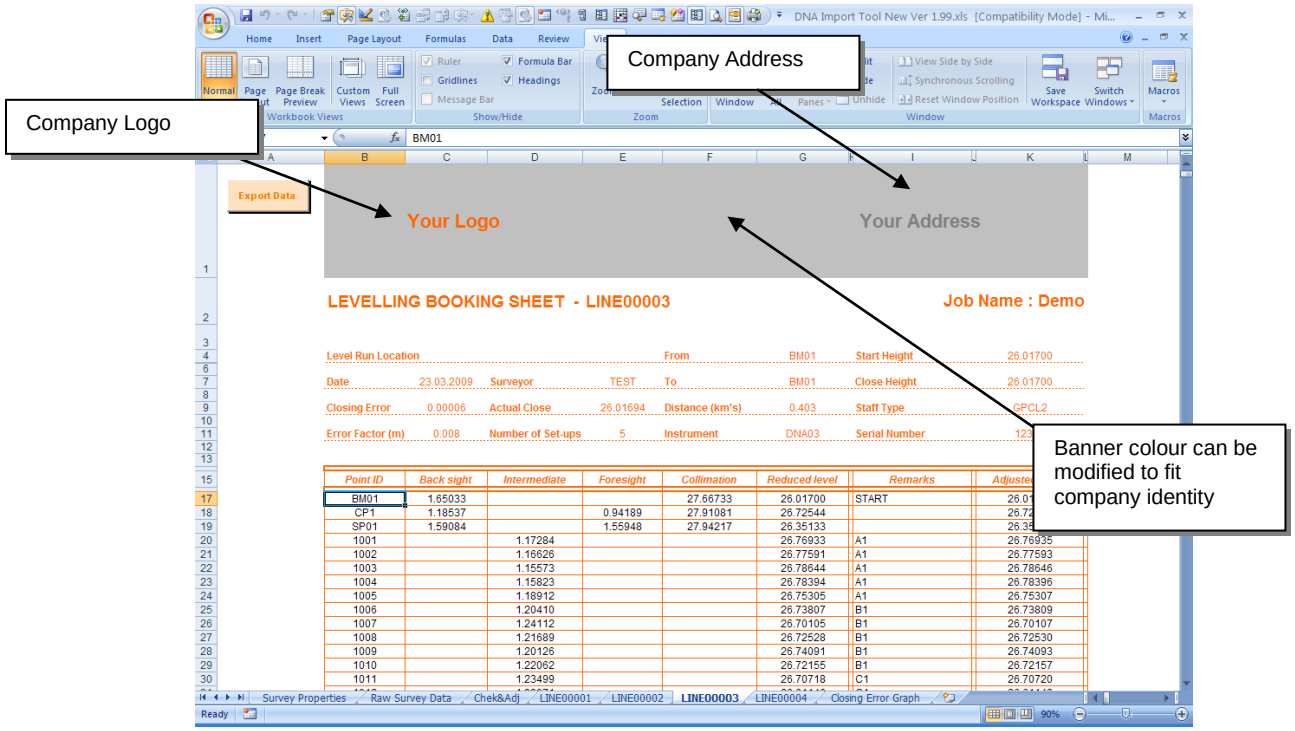
Survey Properties Sheet



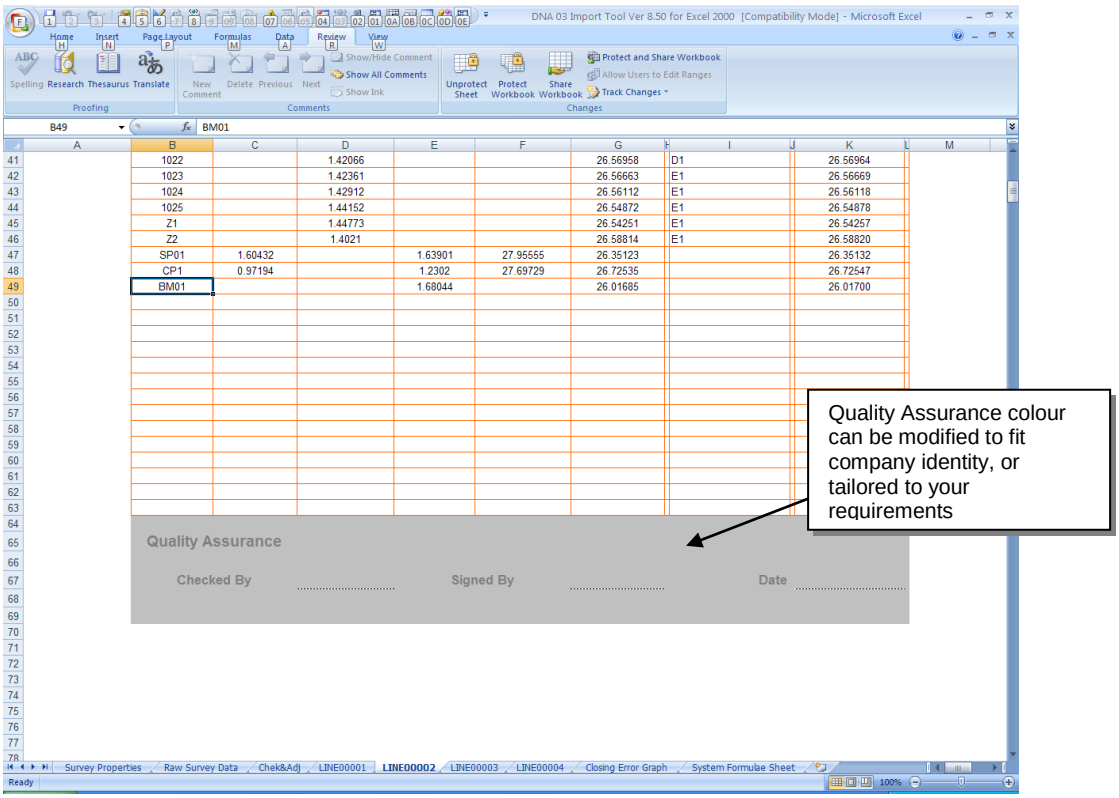
Raw Data Sheet



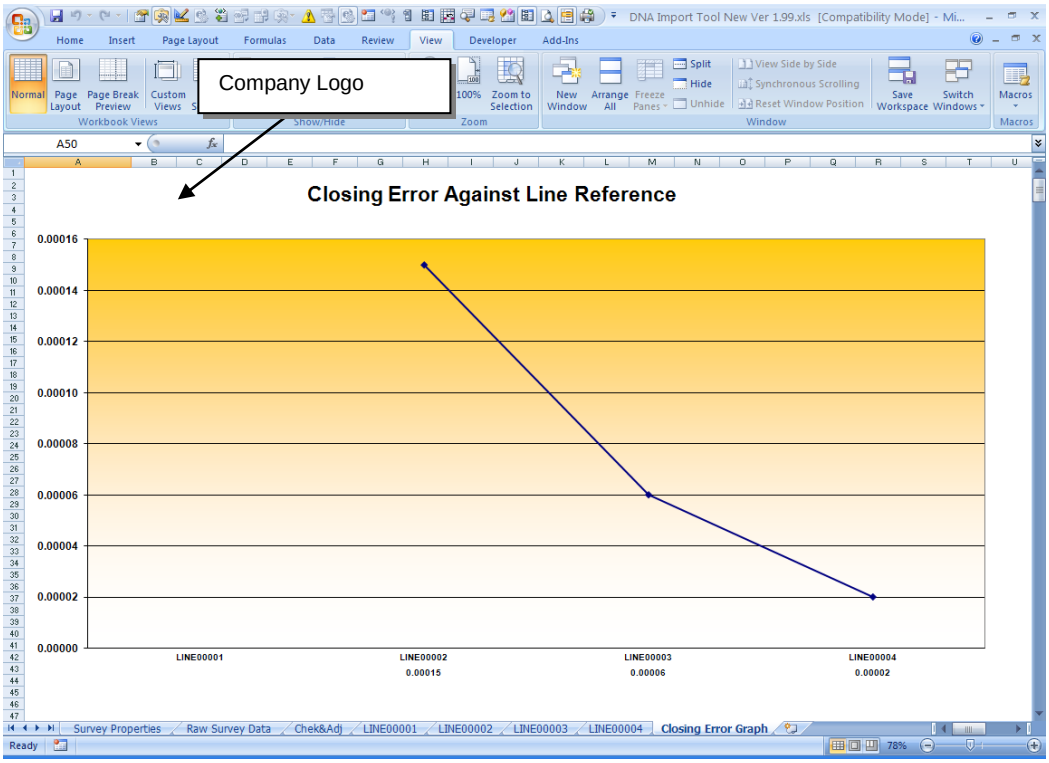
Levelling Booking Sheet



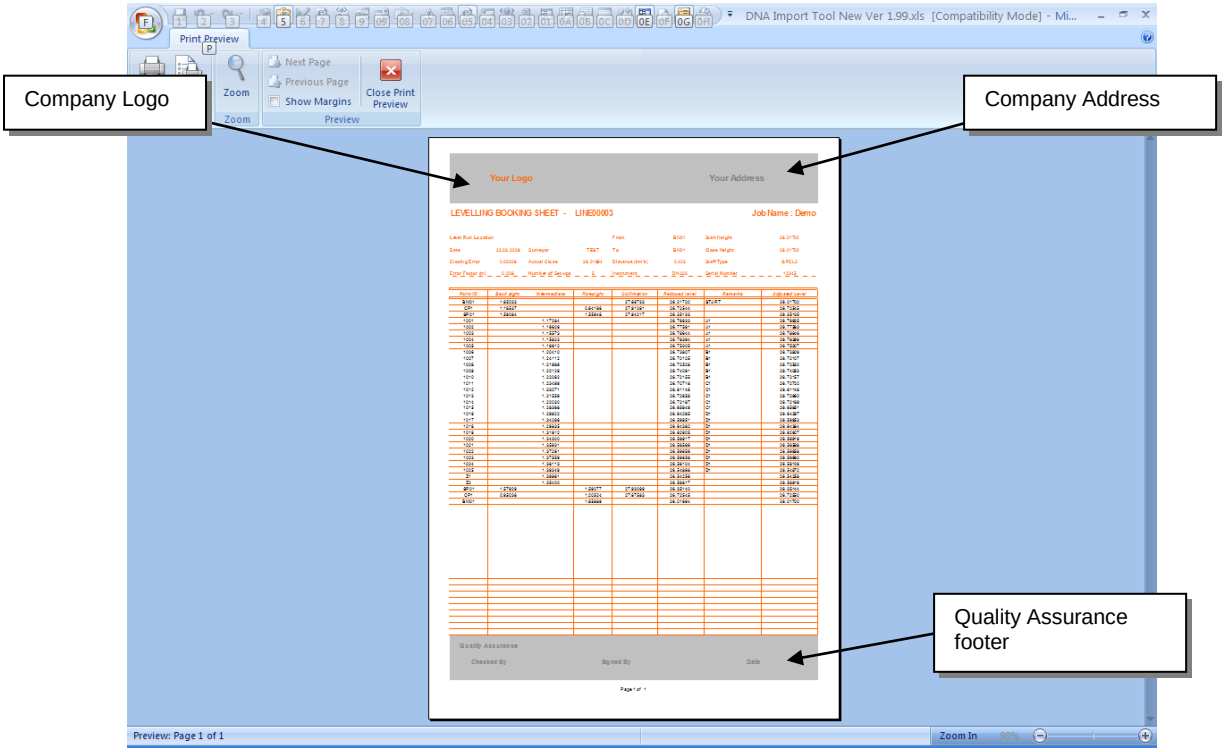
Levelling Booking Sheet Quality Assurance Footer



Closing Error Graph

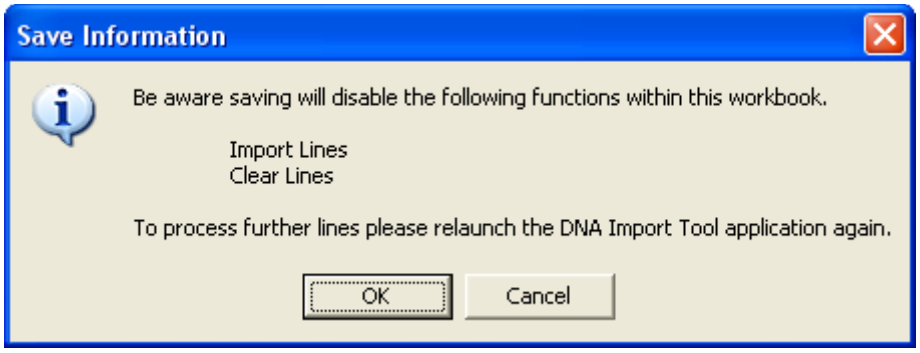


Print and Print Preview



Save Workbook

Save Workbook is access from the dropdown menu.



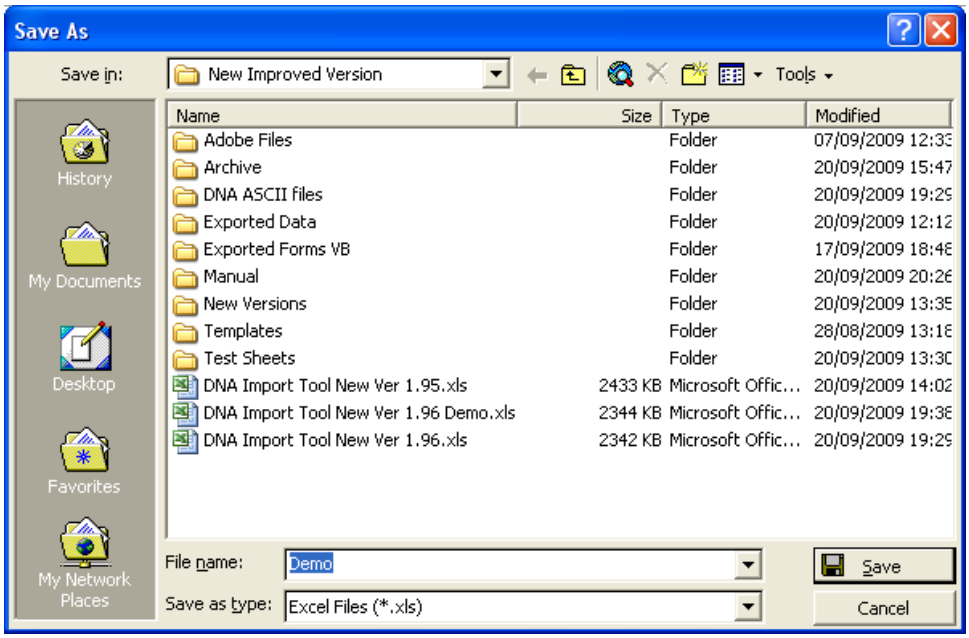
This will first open the dialogue box above notifying the you that certain features will be disabled in the saved version.

The reason behind this is to remove any dependencies within the application and the data you are about to save.

This will enable the you to save the workbook and then Email this file to some one that does not have the application loaded on their machine.

Certain features are still enabled i.e. Merge Lines, Print Set-up etc. The only features disabled in the saved version are Import and Clear. Import has been disabled due to it dependence on the application and clear has be disabled so that a user does not accidentally clear all the data from a save report.

Once the you have selected OK on the above form the Save Dialogue box opens

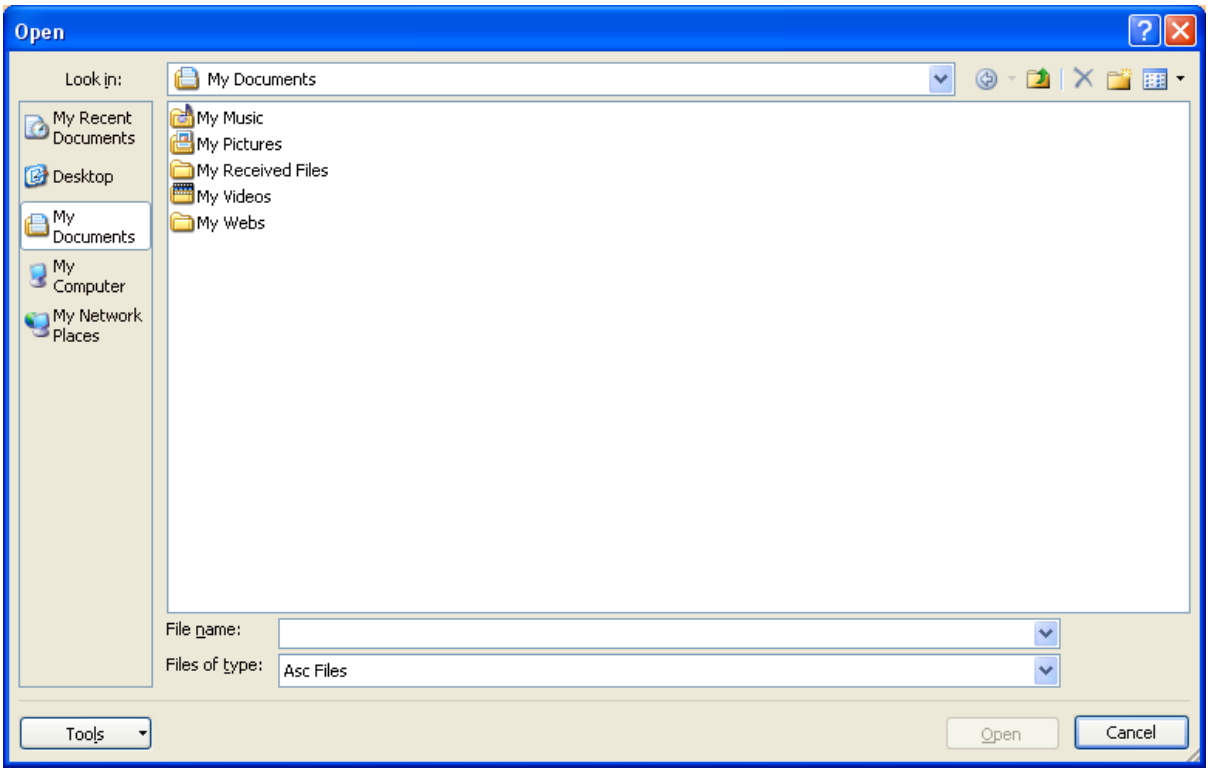


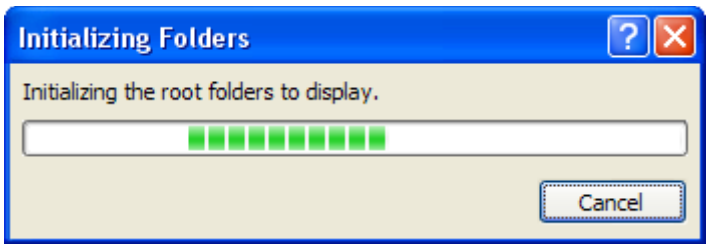
The File Name box is automatically propagated with the project name in this case ‘Demo’

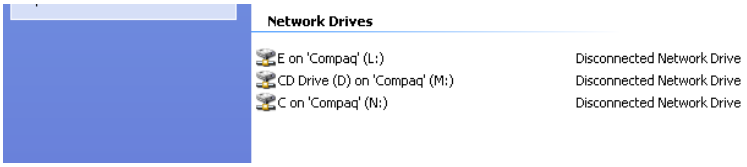
Appendix C: Known Issues

Initialising Folders

If you received the message Initialising Folders when the Open File dialogue box has been opened and then the Open File dialogue box freezes. Close the Open File dialogue box by clicking on Cancel, then re launch it. This is a known problem with Excel 2007 and is caused by having Disconnected Network Drives. For further details visit support at www.microsoft.co.uk.



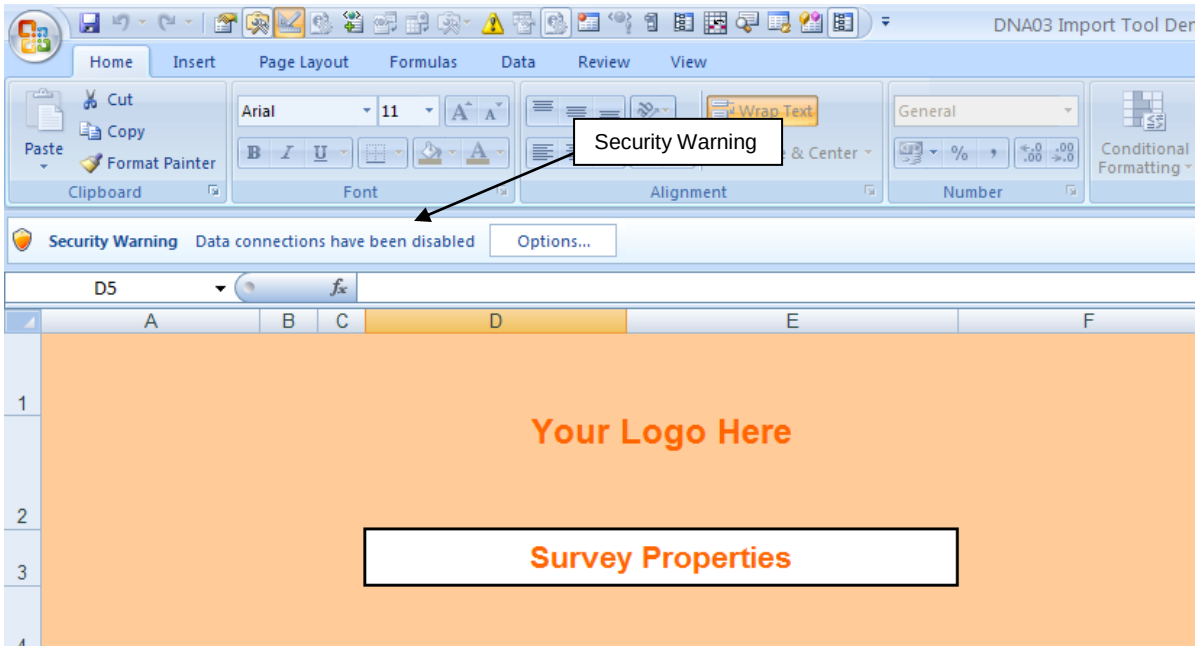


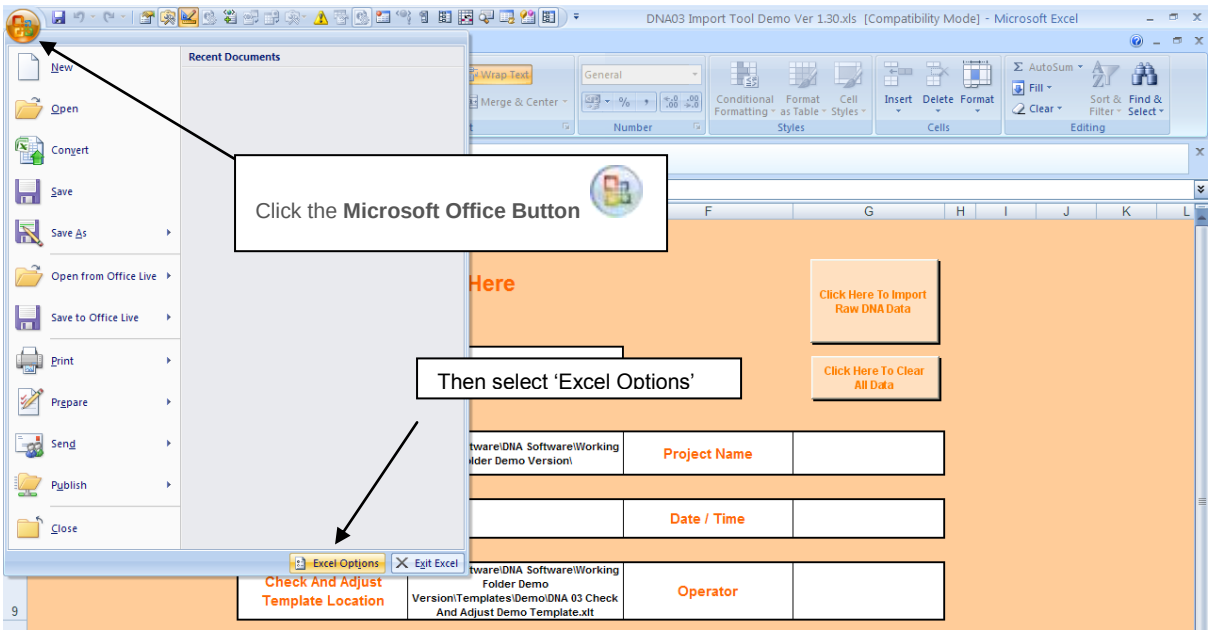


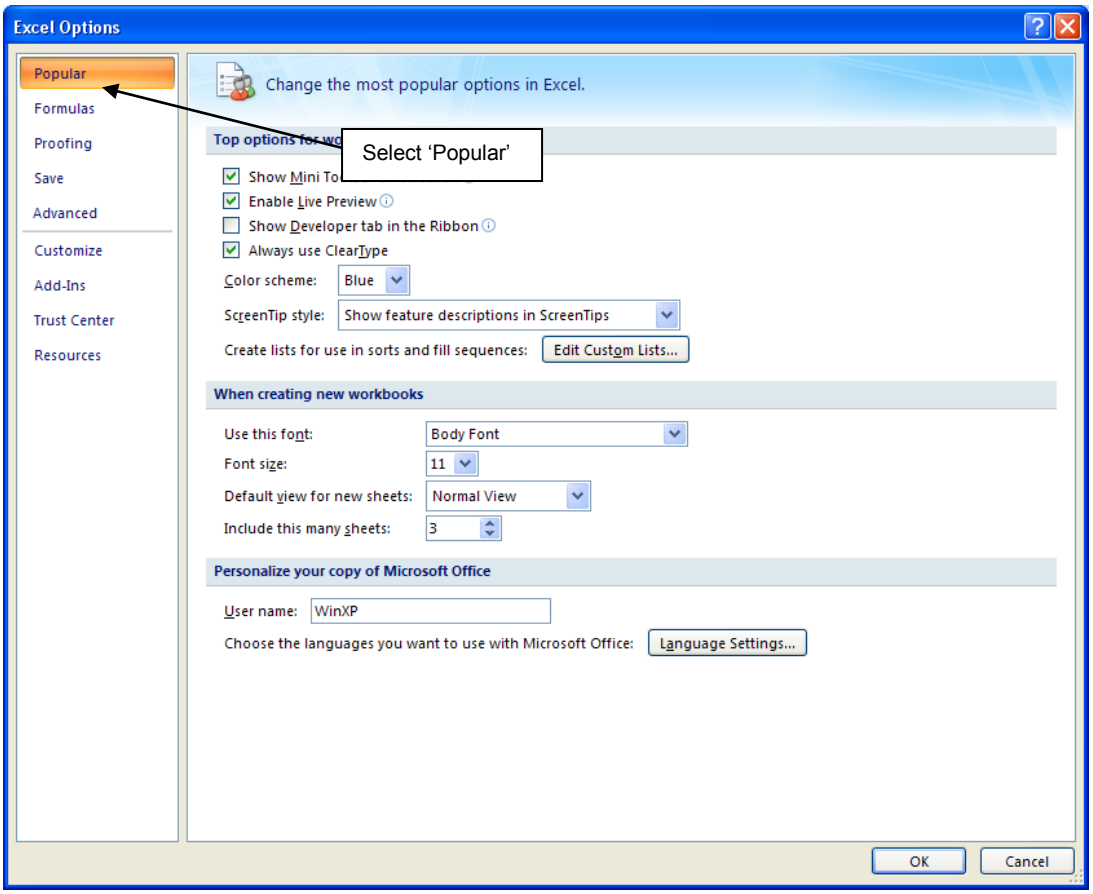
Appendix D: Macro Security Settings

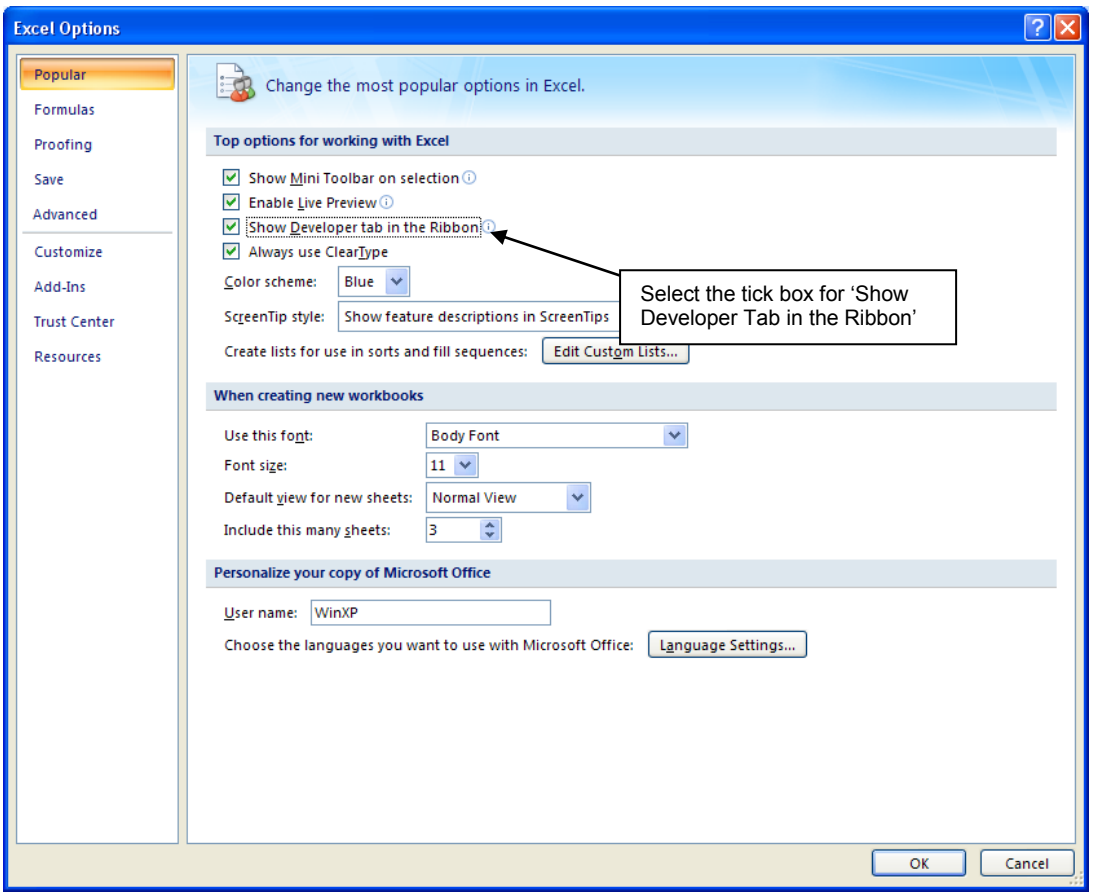
Changing Macro Security Settings in Excel 2007

If you receive the security warning 'Data Connections Have Been Disabled' when you start the DNA application, then your macro security settings in Excel are set to 'High'. This means that no macros will be able to run in Excel 2007. To change these setting follow the instructions below.

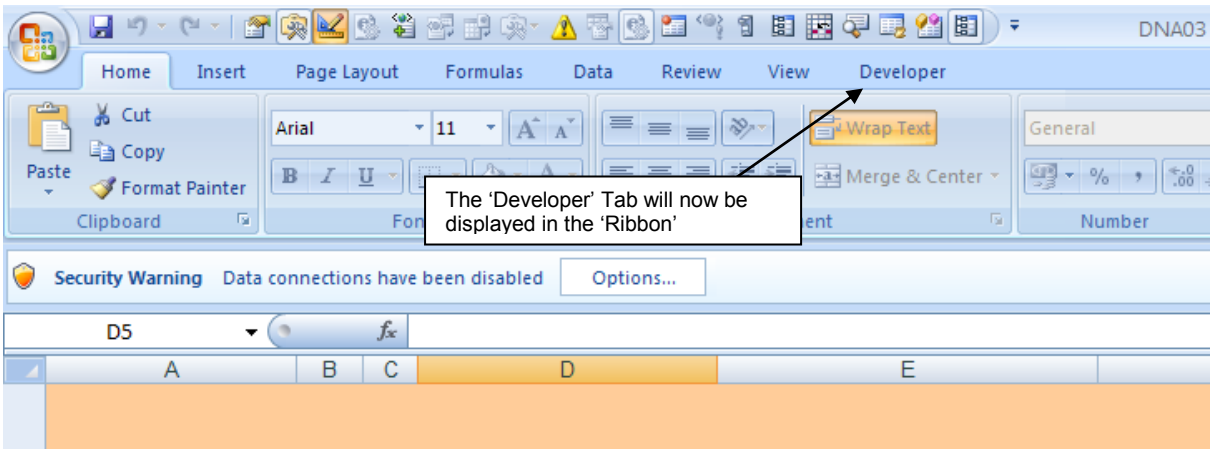


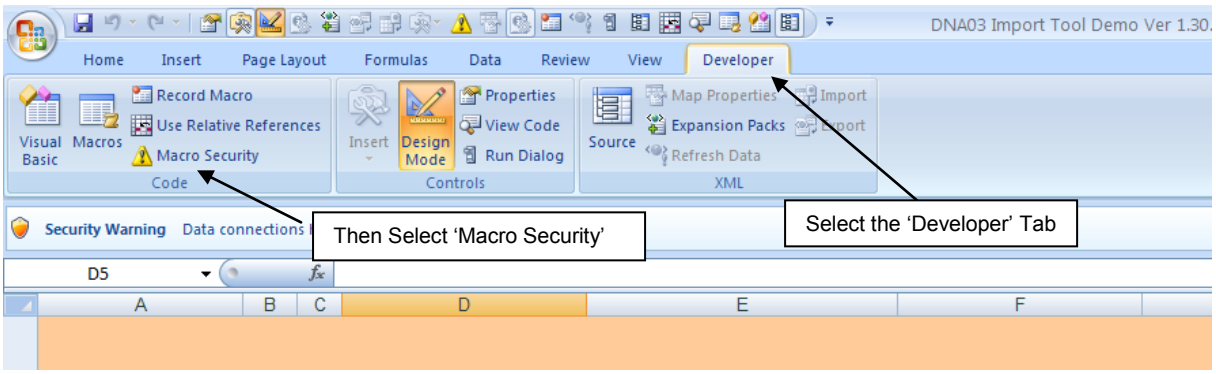


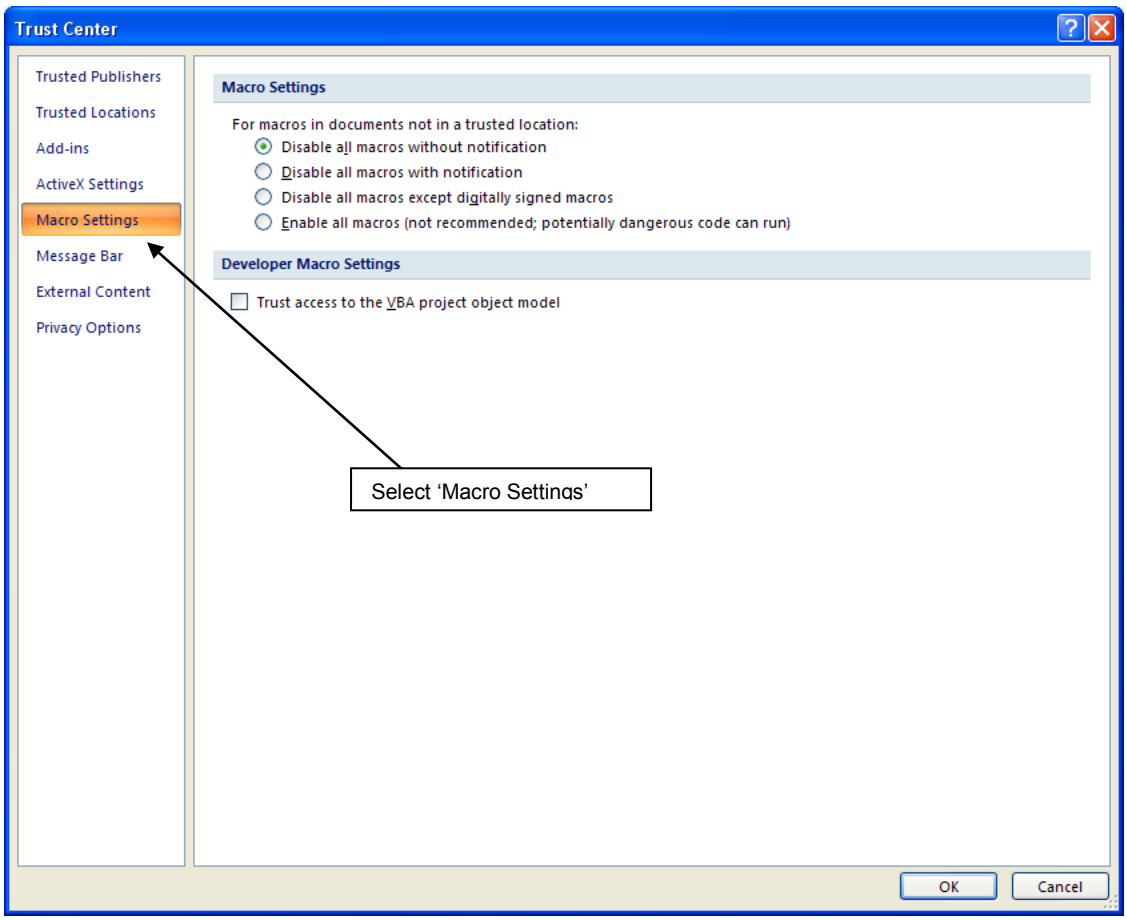

Excel Options
Popular
Formulas
Proofing
Save
Advanced
Customize
Add-Ins
Trust Center
Resources
Change the most popular options in Excel.
Select 'Popular'
Show Mini To
Enable Live Preview
Show Developer tab in the Ribbon
Always use ClearType
Color scheme: Blue
ScreenTip style: Show feature descriptions in ScreenTips
Create lists for use in sorts and fill sequences: Edit Custom Lists...
When creating new workbooks
Use this font: Body Font
Font size: 11
Default view for new sheets: Normal View
Include this many sheets: 3
Personalize your copy of Microsoft Office
User name: WinXP
Choose the languages you want to use with Microsoft Office: Language Settings...
OK
Cancel

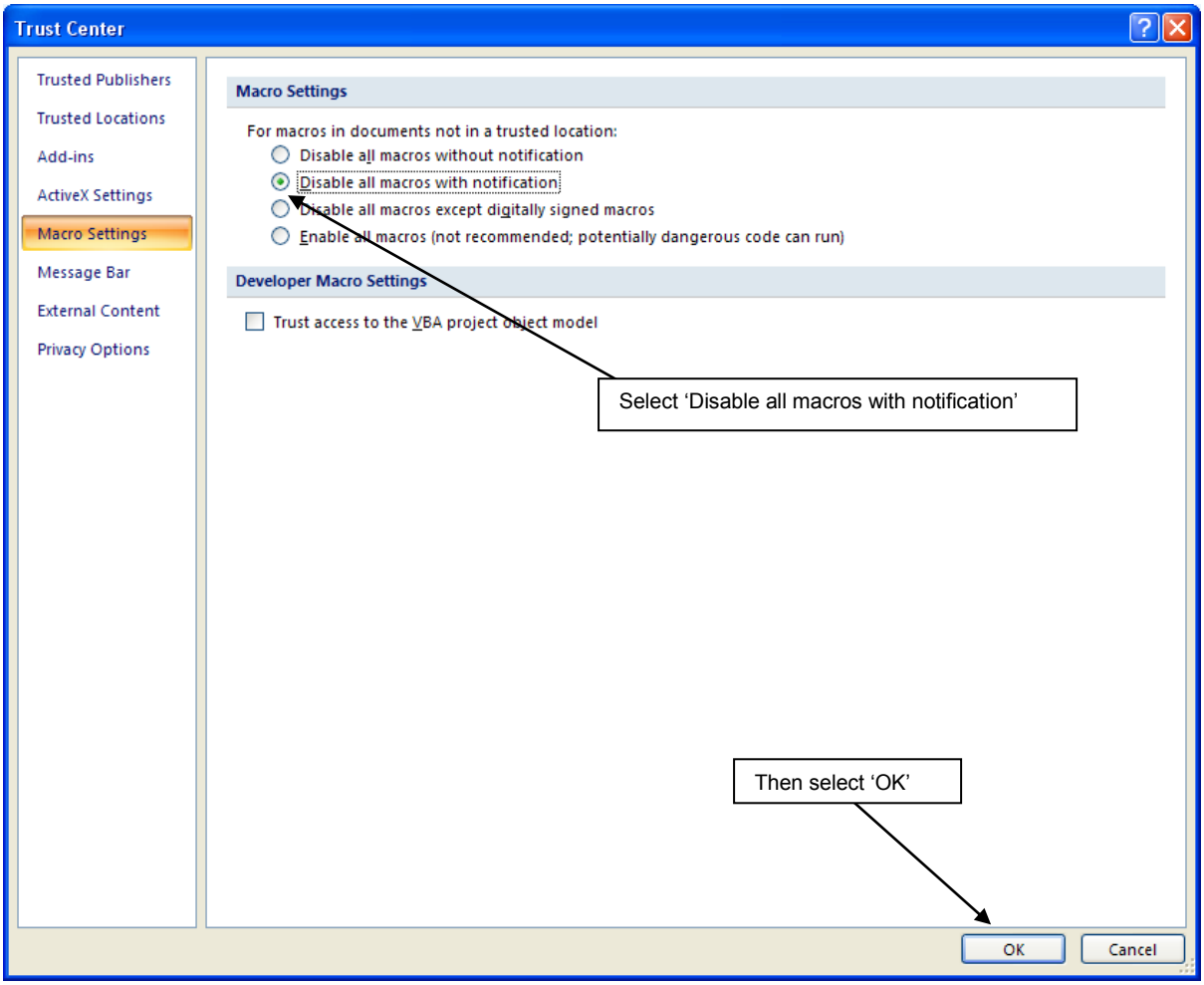

Excel Options
Popular
Formulas
Proofing
Save
Advanced
Customize
Add-Ins
Trust Center
Resources
Change the most popular options in Excel.
Top options for working with Excel
Show Mini Toolbar on selection
Enable Live Preview
Show Developer tab in the Ribbon
Always use ClearType
Color scheme: Blue
ScreenTip style: Show feature descriptions in ScreenTips
Create lists for use in sorts and fill sequences: Edit Custom Lists...
Select the tick box for 'Show Developer Tab in the Ribbon'
When creating new workbooks
Use this font: Body Font
Font size: 11
Default view for new sheets: Normal View
Include this many sheets: 3
Personalize your copy of Microsoft Office
User name: WinXP
Choose the languages you want to use with Microsoft Office: Language Settings...
OK
Cancel

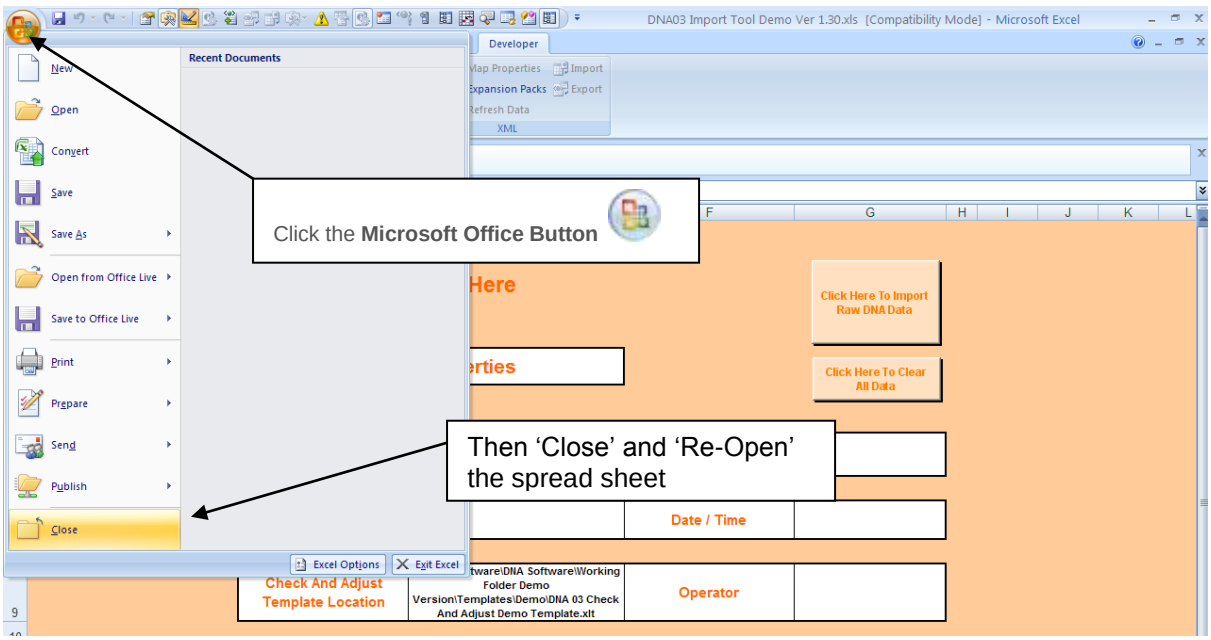
Developer Tab



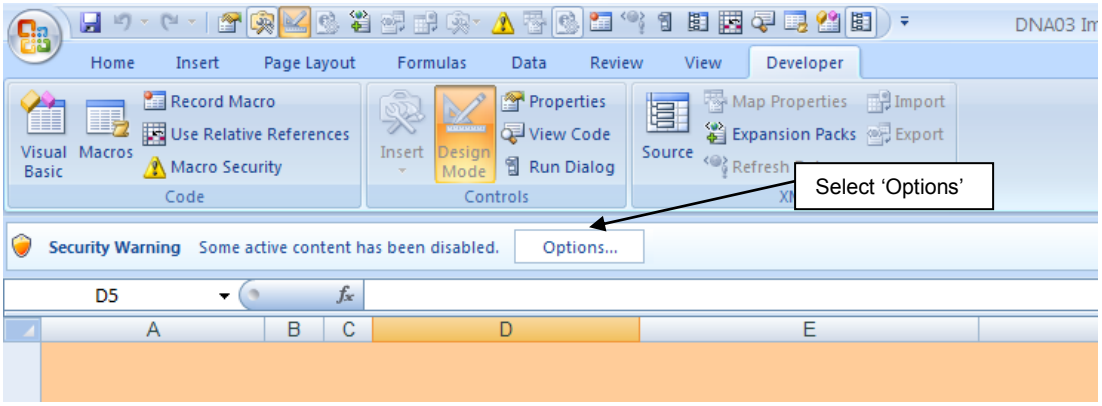


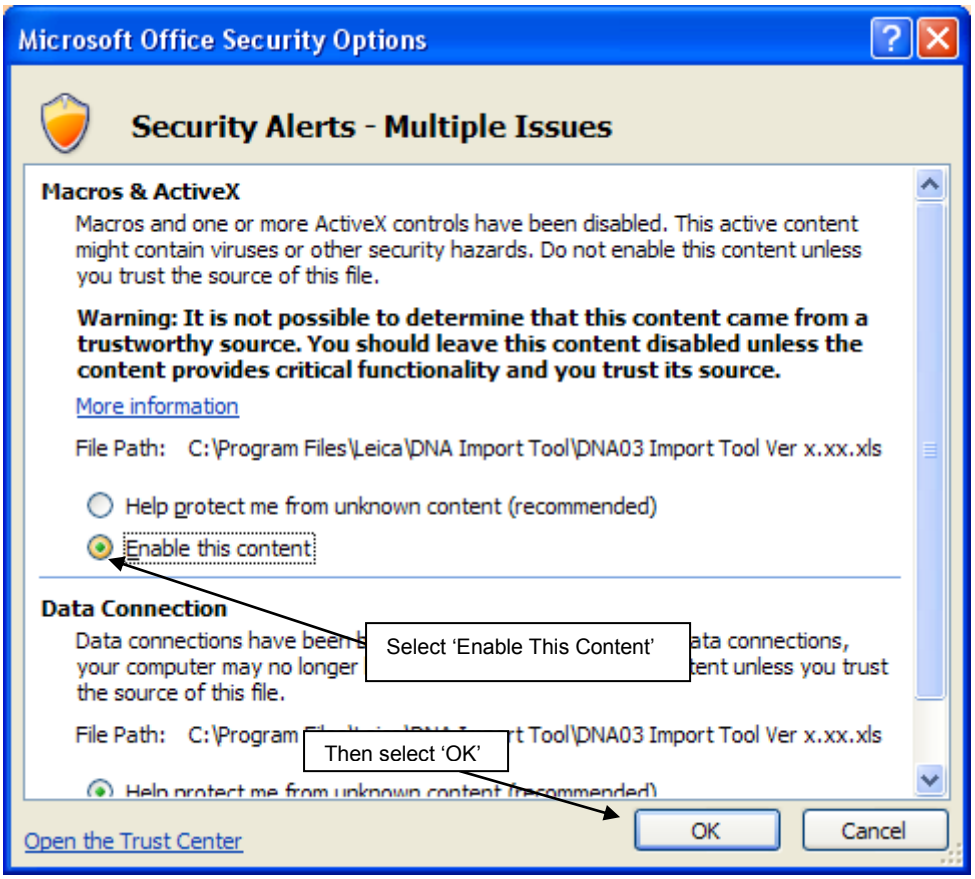



Trust Center
Trusted Publishers
Trusted Locations
Add-ins
ActiveX Settings
Macro Settings
Message Bar
External Content
Privacy Options
Macro Settings
For macros in documents not in a trusted location:
Disable all macros without notification
Disable all macros with notification
Disable all macros except digitally signed macros
Enable all macros (not recommended; potentially dangerous code can run)
Developer Macro Settings
Trust access to the VBA project object model
Select 'Disable all macros with notification'
Then select 'OK'
OK
Cancel


DNA03 Import Tool Demo Ver 1.30.xls [Compatibility Mode] - Microsoft Excel
Developer
Recent Documents
New
Open
Convert
Save
Save As
Open from Office Live
Save to Office Live
Print
Prepare
Send
Publish
Close
Excel Options
Exit Excel
Click the Microsoft Office Button
Here
Click Here To Import Raw DNA Data
Click Here To Clear All Data
Then 'Close' and 'Re-Open' the spread sheet
Date / Time
Operator
Check And Adjust Template Location
tware\DNA Software\Working Folder Demo Version\Templates\Demo\DNA 03 Check And Adjust Demo Template.xlt

Once the DNA application has re-opened the following ‘Security Message’ will appear ‘Some active content has been disabled’



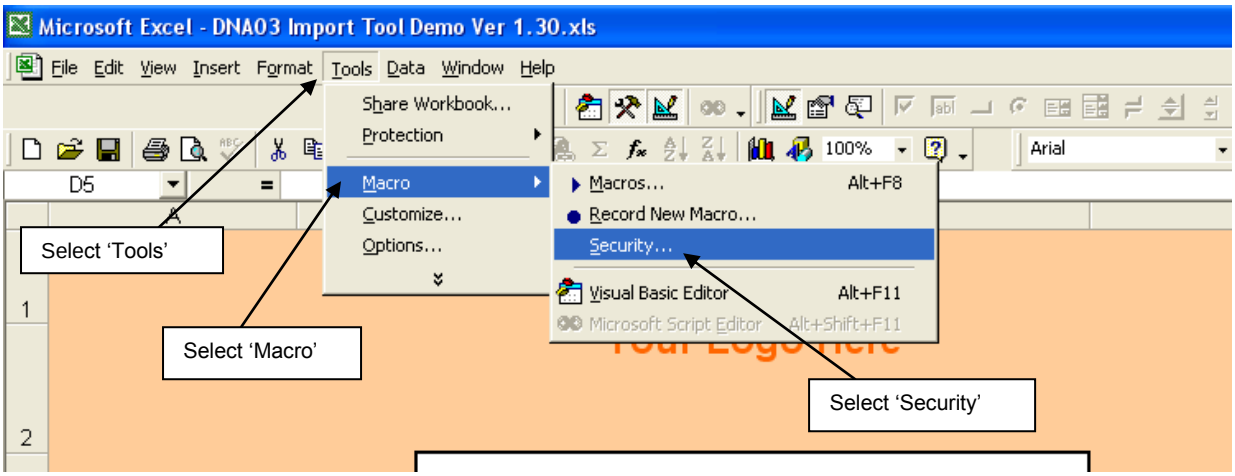


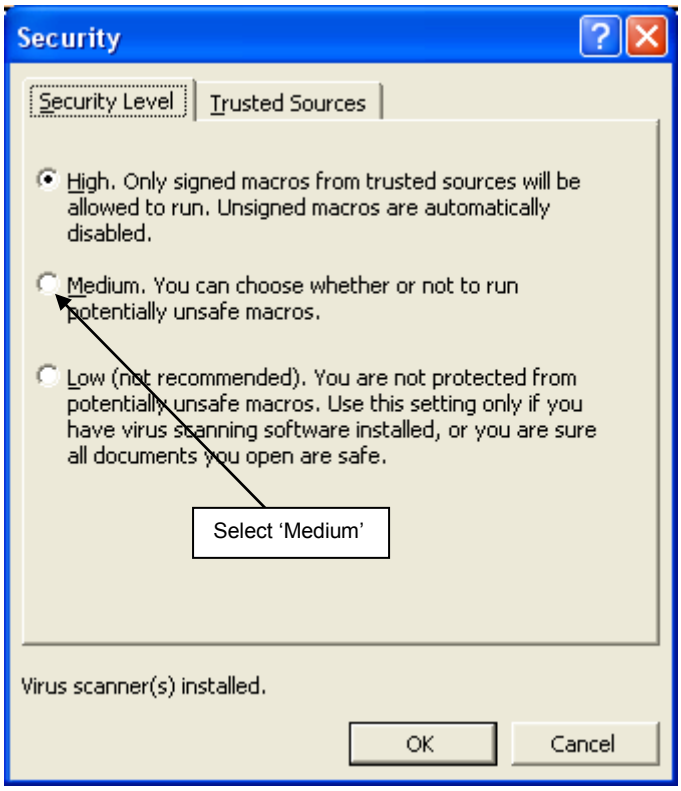
This will then launch the application with all the relevant Macros running.

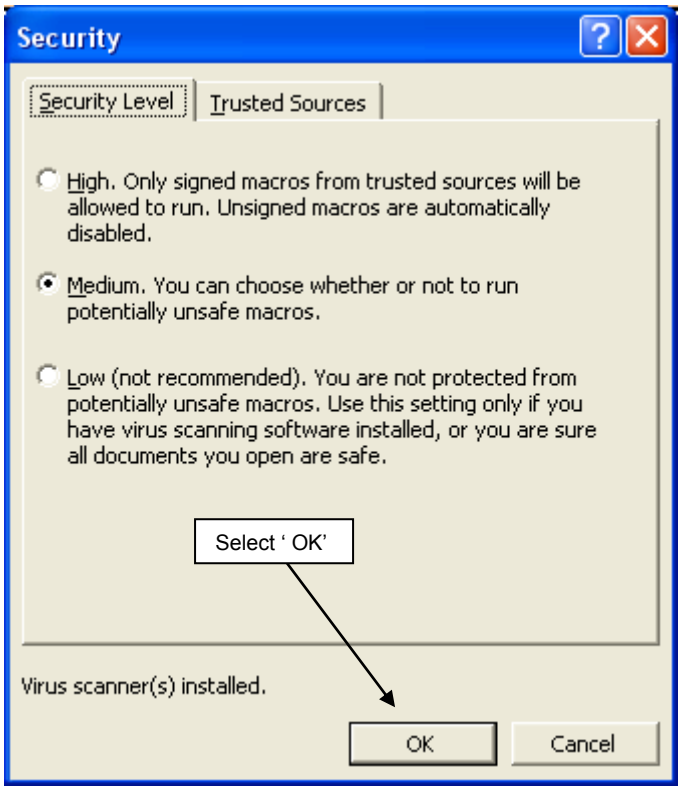
For further information concerning macro security please refer to the Microsoft Help file.
.

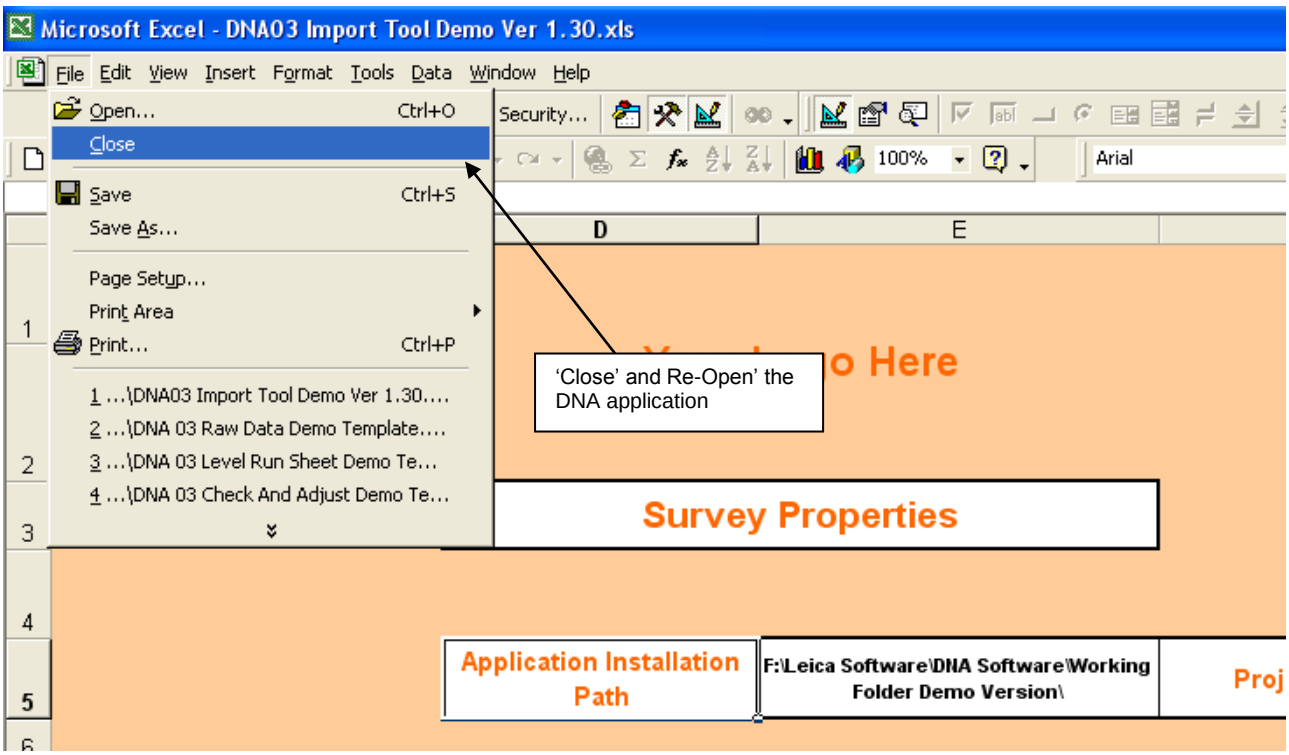
Changing Macro Security Settings in Excel 97 - 2003

If you can not activate the 'Click Here To Import RAW DNA Data' button then your macro security settings in Excel are set to 'High'. This means that no macros will be able to run in Excel. To change these setting follow the instructions below.

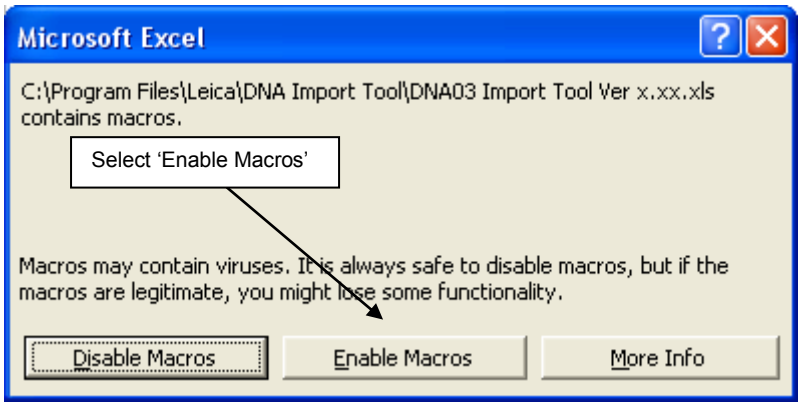




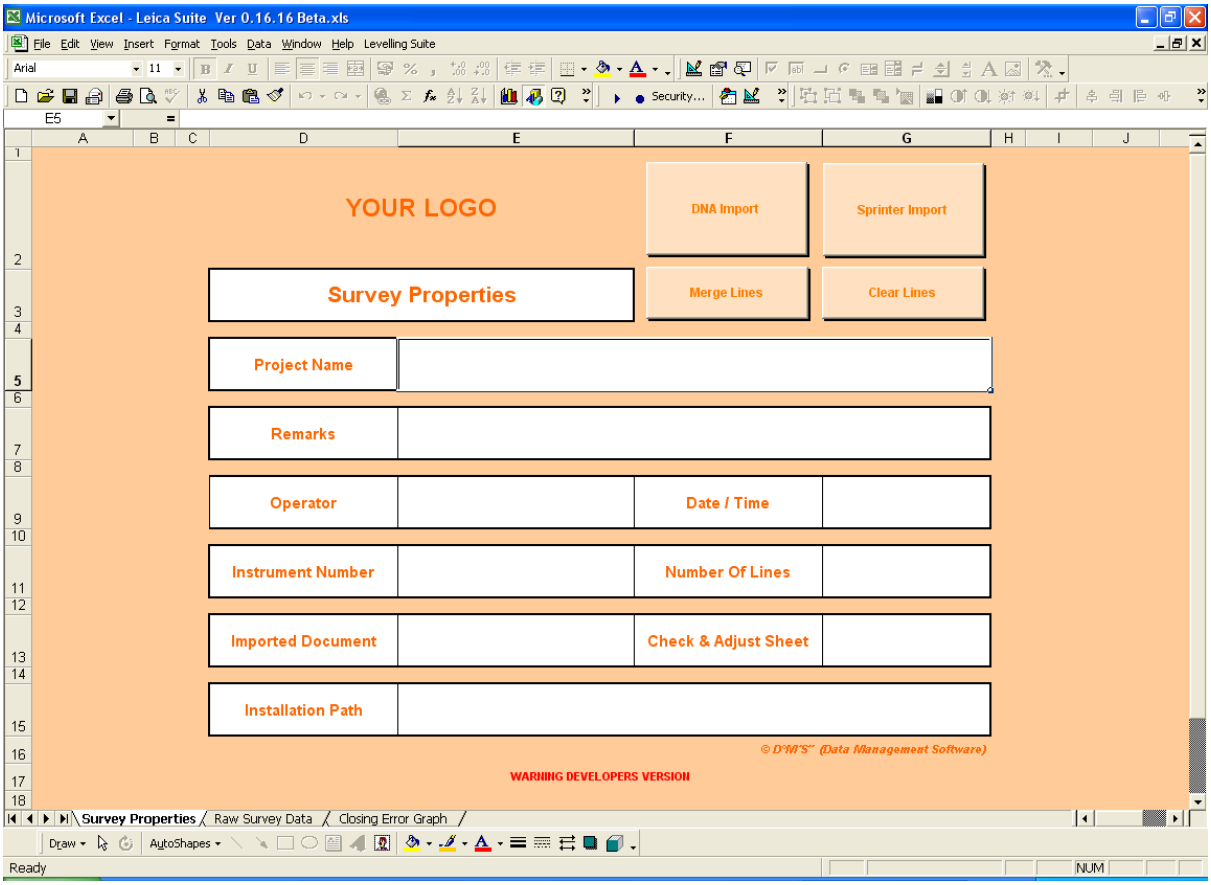

Security
Security Level
Trusted Sources
High. Only signed macros from trusted sources will be allowed to run. Unsigned macros are automatically disabled.
Medium. You can choose whether or not to run potentially unsafe macros.
Low (not recommended). You are not protected from potentially unsafe macros. Use this setting only if you have virus scanning software installed, or you are sure all documents you open are safe.
Select ' OK'
Virus scanner(s) installed.
OK
Cancel


Microsoft Excel - DNA03 Import Tool Demo Ver 1.30.xls
File Edit View Insert Format Tools Data Window Help
Open... Ctrl+O
Close
Save Ctrl+S
Save As...
Page Setup...
Print Area
Print... Ctrl+P
1 ...\DNA03 Import Tool Demo Ver 1.30....
2 ...\DNA 03 Raw Data Demo Template....
3 ...\DNA 03 Level Run Sheet Demo Te...
4 ...\DNA 03 Check And Adjust Demo Te...
Security...
100%
Arial
'Close' and Re-Open' the DNA application
Survey Properties
Application Installation Path
F:\Leica Software\DNA Software\Working Folder Demo Version\

Once you have re-opened the DNA application the following security warning will be displayed.



This will then launch the application with all the relevant Macros running.



For further information concerning macro security please refer to the Microsoft Help file by selecting Help from the tool bar or select F1.

Appendix E: Support

For support issues please call:

Main Distributors:

Midlands & North

Paul Challis

Opti-Cal Survey Equipment Ltd
28 Huntley Cresent
Campbell Heights
Campbell Park
Milton Keynes MK9 3FZ

Mob:07798710140
Tel:01908 606464

paul@surveyequipment.com

South West

Doug Murphy

Opti-Cal Survey Equipment Ltd
Orpheus House
Calleva Park
Aldermaston
Reading RG7 8TA

Mob:07876507941
Tel:01189 820500

doug@surveyequipment.com

London & South East

Doug Cashman

Opti-Cal Survey Equipment Ltd
3 The Pavilions
Brighton Road
Pease Pottage
Crawley RH11 9BJ

Mob:07860751029
Tel:01293 538730

dougcashman@surveyequipment.com

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End User License Agreement (EULA)
Digital Levelling Suite Full & Demo Versions

Digital Levelling Suite Full and Demo Versions
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DNA / SPRINTER/10 Import Tool Demo and Full Versions
The, DNA / SPRINTER/10 Import Tool Demo and Full Version, software has been provided for use on pc's that meet the minimum requirements stated with the user manual and installation instruction
All references to Leica, Leica DNA / SPRINTER/10 the Leica Logo and any other references direct or indirect to Leica products are copy right of
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This product includes software written by Tim Hudson (tjh@cryptosoft.com).

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Mach Operating System

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