

Profil Manager Software

© Roctest Limited, 2013. All rights reserved.

This product should be installed and operated only by qualified personnel. Its misuse is potentially dangerous. The Company makes no warranty as to the information furnished in this manual and assumes no liability for damages resulting from the installation or use of this product. The information herein is subject to change without notification.

Tel.: 1.450.465.1113 • 1.877.ROCTEST (Canada, USA) • 33.1.64.06.40.80 (France) • 41.91.610.1800 (Switzerland) www.roctest-group.com



TABLE OF CONTENTS

1. IN	NTRODUCTION	4
1.1	Profil Manager Software	4
1.2	System Workflow	4
2. C	CREATE A DATABASE	5
2.1	Overview	5
2.2	Installing Profil Manager	5
2.3	Creating A Database	5
3. D	DUX FILE TRANSFERS	6
3.1	Overview	6
3.2	Email Transfers	6
3.3	Dropbox Transfers	6
3.4	Usb Transfers	7
4. C	CREATE AN IMPORT FOLDER	9
4.1	Overview	9
4.2	.Dux Files	9
4.3	Creating The Import Folder	9
4.4	Create In My Documents	9
4.5	Or Create In Dropbox	10
5. IN	MPORT SURVEYS	
5.1	Overview	
5.2	Importing Surveys	
6. IN	NSPECT SURVEYS	
6.1	Inclinometer Details	
6.2	Survey Summary	
6.3	Survey Data	
6.4	Validate Survey	13
7. G	GENERATE PLOTS	13
7.1	Overview	
7.2	Plotting	14
7.3	Profile Change	14
7.4	Profile	14
7.5	Tilt Change	15

7.6	Tilt	15
7.7	Checksum	15
7.8	Difference Checksum	16
7.9	Settings	
7.10) Surveys	
7.11	Data	
8. Pf	RINT & EXPORT PLOTS	
8.1	Printing Plots	
8.2	Preview	
8.3	Page Layout	
8.4	Exporting Plots	
9. Pf	ROFIL MANAGER VS DIGIPRO 2	
9.1	Profile Manager	20
9.2	Digipro 2	20
10.	TERMINOLOGY	
10.1	Introduction	20
10.2	2 Instrument & Data	20
10.3	3 File Extensions	21
10.4	Plot Types	21

1. INTRODUCTION

1.1 PROFIL MANAGER SOFTWARE

Profil Manager is a utility program supplied with the Roctest Profil inclinometer system. The Profil Manager program can:

- Create inclinometer databases.
- Import inclinometer surveys.
- Display, print, and export simple inclinometer plots.
- Generate QR codes for use as inclinometer IDs.

1.2 SYSTEM WORKFLOW

1. The Roctest Profil probe, reel, and reader are used to survey inclinometers. Survey readings are saved to inclinometer data files.



2. The Profil reader sends borehole data files to a PC, which stores the files in an import folder.



3. Profil Manager imports the inclinometer data into a database.







4. Profil Manager displays and prints inclinometer plots.

A STATE	Desemin 1.5	C. Million and	1.0
- Jeel			 124
100 100 100		10000	- 11
2-2-2		1 1 1 1 1 1 1	
B. B. B.			
RIRCH	11		
12-12-12	++		
81616	111		
8-12-12	111	1 (th)	
D-12-10			
10. 10. 10.	12.5	2 2	
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	H (C)		
D-10-12	12 7	- D	
8.18.19		1	
D D 12	27	121	
D . 12 12		1	
8.8.18			
RIRIA	11	2	
D-10-12			
81818			
Q: Q:			
5. 15. 15			
H. H. M.		-	

2. CREATE A DATABASE

2.1 OVERVIEW

Profil Manager Program creates a database to keep inclinometer surveys neatly indexed by inclinometer name and survey date.

2.2 INSTALLING PROFIL MANAGER

- 1. Direct your browser to www.roctest.com.
- 2. Click Support Download Roctest Profil Manager.
- 3. Run the "Profil_manager _setup.exe" program after it downloads.

2.3 CREATING A DATABASE

- 1. Start Profil Manager, then click File New.
- 2. Enter a name for the database.
- 3. Click Save.



Notes:

- The default folder for the database is "My Documents" in Windows XP or "Documents" in Windows 7 and 8. You can choose a different default folder: click Edit Preferences Database Folder.
- In this example, the database file is named "inclinometer-database." You can choose a different filename.
- The database file has a .dpw extension and is compatible with Profil Manager and DigiPro 2.





3. DUX FILE TRANSFERS

3.1 OVERVIEW

If the internet is available, the Reader can send dux files to the PC by email or Dropbox. Internet transfers are convenient and partially automated. If the internet is not available, you can use the Windows file manager and a USB cable to copy files from the Reader to the PC.



3.2 EMAIL TRANSFERS

The Reader sends dux files as attachments to an email message.

- 1. Open the email message with Outlook, Gmail, or some other email client.
- 2. Save the dux files attachments into the import folder.

New Mail Mess	age	Save in another format
Save		Save <u>As</u> Save a copy of the item to your computer in one of several formats.
		Save Attachments
Save As		Save one or more of the files attached to this message to your computer.
Delete		Convert to Adobe PDF
Move	•	
Print	×	
Pr <u>op</u> erties		
2		

3.3 DROPBOX TRANSFERS

Dropbox transfers are more automated than email transfers. No user actions are required. The dux files sent from the Reader simply appear in the import folder on your PC.



The convenience of Dropbox is well worth the time that it takes to set up. Other cloud services such as Google Drive can be set up in a similar way.





- 1. Visit Dropbox.com using your web browser. Create a free Dropbox account. Enter an email address for the User ID, then create a Dropbox password. User ID and password are used again in the next steps
- 2. Download Dropbox for Windows. Run the setup program and then log in to Dropbox, using your User ID and password. Now your PC is linked to Dropbox in the cloud.
- 3. Start RPM and create a default import folder in Dropbox, as explained in the previous chapter.
- 4. Visit the Google Play store using your Android device. Search for Drop-box and install it. You already have a Dropbox account, so login using your User ID and password. Now the Android device is linked to Drop-box, too.
- 5. The Dropbox file listing on your Android device now shows the default import folder. That is where the Reader app will send dux files.

3.4 USB TRANSFERS

Use the Windows file manager and the USB cable supplied with your Android device. No USB drivers are required.



1. Connect the Reader to the PC using the USB cable. Switch on the Reader.

A dialog appears on your PC. Choose "Open device ..."



2. Windows opens the device. Click on "Internal storage."





3. Windows displays list of folders. Click on the "Profil Reader" folder.



4. Click on the Outbox folder. This folder holds the dux files that should be transferred.

😁 My Computer\Transformer Prime TF20	01\Internal storage\D	igitil 💶 🗙									
File Edit View Favorites Tools Help 🦹											
Back 👻 🕤 👻 🏂 Search	Polders	🏂 🗙 🏾 🎽									
Address My Computer\Transformer Prime	Address 🛅 My Computer \Transformer Prime TF201 \Internal storage \Digiter So										
Name 🔺	Туре	Size Tra									
🛅 Indinometer Data	File Folder										
Outbox	File Folder										
[~]											
•		•									

5. Select all the dux files in the Outbox, then right-click, and choose Copy.

🛛 🌀 Back 👻 🤅) - 🝺 🔎	Search 🌔 Folders 🔯	🏂 🗙 🏾 🛛									
Address 🛅 My Computer \Transformer Prime TF201\Internal storage \Digi 👤 🎅 Go												
Name 🔺		Туре	Size Tra									
Mukilteo-1.dux		DUX File	8.53 KB									
🗐 Mukilteo-2.dux		DUX File	7.12 KB									
Mukilteo-3.dux	Cut	DUX File	7.12 KB									
🗐 Mukilteo-4.dux	Сору	DUX File	7.12 KB									
Dukilteo-5.dux	Delete	DUX File	8.53 KB									
	Properties											
-			Þ									
Q Copies the selec	ted items to the C	lipboard. To put them in the new loca	ation, use the F									

6. Now paste the dux files into the default import folder.





4. CREATE AN IMPORT FOLDER

4.1 OVERVIEW

The Profil Reader sends inclinometer data files to the PC. This chapter tells how to create an import folder to hold the files.

4.2 .DUX FILES

Roctest Profil inclinometer data files have a .dux extension.

4.3 CREATING THE IMPORT FOLDER

1. Start Profil Manager. Open the database that you just created. Import Folder



2. Click Roctest Profil - Default Import Folder.



4.4 CREATE IN MY DOCUMENTS

- 1. Click "My Documents" (XP) or "Documents" (Win 7 & 8).
- 2. Click "Make New Folder," enter a name for the folder, and click OK. In the example below, the folder is named "dux-import," but you can choose your own name.







4.5 OR CREATE IN DROPBOX

Dropbox appears as a folder within My Documents, so create the import folder within Dropbox:

- 1. Click My Documents.
- 2. Click the Dropbox Folder.
- 3. Click "Make New Folder," enter a name for the folder, and click OK. In the example, the folder is named "dux-import," but you can choose your own name.

C:\Documents and Settings\ \My D C:\Documents and Settings\ \My Docume	ocuments\inclinometer-databa Inclinometer Survey List	ise.dpw	-02
Browse For Folder	2	×	
DUX Import folder location	Browse For Folder DUX Import folder location	<u>? ×</u>	
Desktop Desktop Desktop Desktop Desktop My Documents My Computer	Ø Desktop □	Browse For Folder DUX Import folder location	<u>?</u> ×
Recycle Bin		E 💭 Dropbox	<u> </u>
	4	dux-mport	
Make New Folder	Make New Folder		-
		Make New Folder	Cancel

5. IMPORT SURVEYS

5.1 OVERVIEW

The instructions below assume that you have a database and some dux files in the import folder.

5.2 IMPORTING SURVEYS

1. Open the database.







2. Click Profil - Import Surveys. Profil Reader opens the default import folder.

 File C:\Use	Edit ns\Publi	View c\Docum	Plot ents\incl	Tools linometer d	Profil Rea Imp Sele Expo Defa	eder ort Su ct Incl ort Incl ault Re ault Re	Windows H rveys inometers to Ex linometers ader Import fol ader Export fol AO Direc	Help xport • Ider 2 Ider	ummary			 - 8	×
							Data Dis Depth Ur Top Dep Bottom D Depth Ini Instrume	splay Units: Inits: xth: Depth: nterval: int Constant:			Casing Stickup: Orientation Correction: Latitude: Longitude: Bevation:		
								Edit	Add Inclin	ometer	Add Survey		

- 3. Select the dux files that you want to import (Ctrl-A for All).
- 4. Click Open.



5. Click "Yes" to allow Profil Manager to delete dux files that are imported successfully. These are no longer needed.

The Reader keeps the original files and the database has the transferred readings.







6. Profil Manager imports the surveys and cleans the imported files from the folder.

E C:\Documents and Settings\ \My D	ocuments\inclinometer-data	abase.dpw		_ 🗆 🗙
E C: Occuments and Settings\ My Docume B: Mickles INS B: SR18:IN2 B: SR18:IN4 6	Inclinometer Details Survey Su Ste : Inclinometer: Description: AO Direction: Depth Units: Top Depth: Bottom Depth: Depth Interval: Instrument Constent:		Casing Stickup: Orientation Correction: Latitude: Longitude: Bevation:	
	Edit	Add Inclinometer	Add Survey	
• •				

6. INSPECT SURVEYS

6.1 INCLINOMETER DETAILS

Inclinometers appear on the left. Double-click an inclinometer to see its details on the right. You can also see survey dates.

E:\Documents and Settings\\My D	ocuments\inclinometer-da	tabase.dpw			_ ×
Chocuments and Settings\ (Hy 0 Cocuments and Settings) My Docum Digit: 2012-10:11 10:34:55 Digit: 2012-10:18 11:24:13 Digit: 2012-10:18 11:24:13 Digit: 2012-10:13:10:17 Digit: 2012-11:01:13:8:10 Digit: 2012-11:01:13:8:10 Digit: 2012-11:01:13:8:10 Digit: 2012-11:01:15:11:46 SR18:IN2 SR18:IN4	Councents Vinclinometer-do Inclinometer Details Survey : Ste: Inclinometer: Description: AO Direction: Depth Units: Top Depth: Bottom Depth: Depth Interval: Instrument Constant:	tabase.dpw Summary Mukikeo IN5 Mukikeo Feny Dock 0 0.5 28 0.5 100000	Casing Stickup: Orientation Correction: Latitude: Longitude: Bevation:	0 0 0 0 0	
	Edit	Add inclinometer	Add Survey		
x ×					

6.2 SURVEY SUMMARY

Click the survey summary tab to see basic survey parameters.

C:\Documents and Settings\ My D	ocum	ents\inclinometer-dat	abase.dpv	u .				
 Crudocumenta and settings Individue 1N5 Digita: 2012-011 10:34:55 Digita: 2012-018 11:24:13 Digita: 2012-018 11:24:13 Digita: 2012-018 11:24:13 Digita: 2012-11-01 13:58:10 Digita: 2012-11-01 16:11:46 GI-SR18:IN2 GI-SR18:IN4 	Inclin	Date and Time	Passes	Depths	SensorSN	Instrument	Operator	Sun
	•	2012-10-11 10:34 AM	2	56	12345	100000	pcg	Digit
		2012-10-18 11:24 AM	2	56	12345	100000	pcg	Digit
		2012-10-25 11:01 AM	2	56	12345	100000	pcg	Digit
		2012-11-01 1:58 PM	2	56	12345	100000	ŋb	Digit
		2012-11-08 4:11 PM	2	56	12345	100000	ηb	Digit
I D	•							<u>,</u>





6.3 SURVEY DATA

Double-click a survey (date) to see readings and checksums.

C:\Documents and Settings\:	ocuments\inclin	nometer-database.dp	w								12
C:\Documents and Settings\monroe\My Docume	Survey Date:	2012-10-11 10:34-5		Depth	A_0	A_180	A_Checksum	B_0	B_180	B_Checksur	n -
Mukiteo:IN5 Didel: 2012-10-11 10:34-55			•	0.5	-51	45	-6	709	-747	-38	
- Digitit: 2012-10-18 11:24:13	Heading Set:	P		1	42	-50	-8	686	-677	9	
Digitit: 2012-10-25 11:01:17	Num Passes:	2		1.5	66	-68	-2	571	-612	-41	
- Digitit: 2012-11-01 13:58:10 Digitit: 2012-11-08 16:11:46	Num Depths:	56		2	44	-54	-10	497	-442	55	
€ SR18:IN2	Operator:	pcg		2.5	51	-38	13	408	-501	-93	
E SR18:IN4	Inst. Constant:	100000		3	-27	3	-24	474	-545	-71	
	Survey Type:	Digitit		3.5	161	-176	-15	802	-852	-50	1
	Sensor S/N:	12345		4	-221	238	17	717	-706	11	
	Sensitivity A:	1		4.5	-606	611	5	622	-662	-40	
	Sensitivity R	1		5	-788	793	5	665	-608	57	
	Dise Shift A	1.		5.5	-813	813	0	514	-616	-102	
	Dido Jilili M.			6	-845	829	-16	217	-173	44	
	Bias Shift B:	10		6.5	-799	795	-4	212	-254	-42	٦
	Rotation A:	10		7	-684	703	19	148	-167	-19	
	Rotation B:	0		7.5	-535	543	8	150	-197	-47	
	Translation A:	0		8	-358	356	-2	148	-120	28	
	Translation B:	0		8.5	-201	200	-1	58	-70	-12	1
	Edit	New Survey		9	255	-270	-15	-341	279	-62	
				9.5	480	-489	-9	-441	402	-39	
				10	653	-646	7	-657	646	-11	

6.4 VALIDATE SURVEY

Click on Tools - Validate Survey to see checksum statistics.

							_
C:\Documents and Set	ter-de	atabase.dpw					
C:\Documents and Settin Apply Set	lement Correction	1 10-24-5	Depth	A_0	A_180	A_Checksum	B_(
Mukiteo:IN5 Expand Sp	iral Survey 📕 🔜 Survey Validation	n Statistics	2	-51	45	-6	709
- Digiti: 2012-10-18 11:24:13	Re Ster Milde	-		42	-50	-8	686
- Digitit: 2012-10-25 11:01:17	N. Instrumenter UNE			66	-68	-2	571
Digiti: 2012-11-01 13:58:10 Digitit: 2012-11-08 16:11:46	Nu Incanometer, jiwo			44	-54	-10	497
B SR18:IN2	Op Date/Time [2012-	10-11 10:34:55		51	-38	13	408
(±) 5R 18:1N4	Ins A CheckSum	B Check Si	um	-27	3	-24	474
	Su Marrie 140		20.2	161	-176	-15	802
	Se ou o lano	- Mean	100.0	-221	238	17	717
	Std. Dev: [17.0	Std. Dev:	36.0	-606	611	5	622
		OK		788	793	5	665
		U.N.		.813	813	0	514
	Blas Shitt A: U		6	-845	829	-16	217
	Bias Shift B: 0		6.5	-799	795	-4	212
	Rotation A: 0		7	-684	703	19	148
	Rotation B: 0		7.5	-535	543	8	150
	Translation A: 0		8	-358	356	-2	148
	Translation B: 0		8.5	-201	200	-1	58
	Edit New	Survey	9	255	-270	-15	-341
			9.5	480	-489	-9	-441
			10	653	-646	7	-657

Notes:

• Checksum statistics are an older method for validating surveys. (Plotting checksums is a superior method). In general, checksum statistics are useful only when compared with statistics generated for other surveys of the same inclinometer. Large differences indicate a bad survey.

7. GENERATE PLOTS

7.1 OVERVIEW

Profil Manager can generate, print, and export a variety of simple plots. It can also plots as graphic files and export calculated data to .csv files.

Profil Manager plots are limited to three surveys. Scales and labels can be modified, but cannot be saved for reuse. Title blocks, annotations, borehole logs, and correction routines are not available.

If you need more advanced features, we recommend that you upgrade to DigiPro 2. A summary of DigiPro 2 features is provided in the appendix.





7.2 PLOTTING

Click on an inclinometer, click Plots - Inclinometer, and choose a plot type

File Edit View Plot Tools Profil reader W	/indows Help	_				
Plot Indinometer	Profile Change	1pw				
E C:\Documents ar Plot Spiral	Profile					
Mukilteo:IN5 Saved Reports	Tilt Change			Instrument		Su
Digitit: 2012-10-11 10:34:55	Tilt	s Depths	SensorSN	Const	Operator	Ty
Digitil: 2012-10-10 11:24:13	Checksum	56	12345	100000	pcg	Dig
Digitilt: 2012-11-01 13:58:10	Difference Checksum	56	12345	100000	pcg	Dig
	Time Plot	56	12345	100000	pcg	Dig
	Horizontal Plots	56	12345	100000	ijЬ	Dig
	Custom Templates	56	12345	100000	ŋb	Dig
	•					

7.3 PROFILE CHANGE

This is the most common way to present inclinometer data. The plot compares the current profile against the initial profile. A change in profile is understood to be displacement (movement).



7.4 PROFILE

This is a diagnostic plot that accumulates tilt readings (in mm or inches) to show the profile of the installed casing. The plot can be used to judge borehole verticality and is also used in diagnostics.

It is also known as an "absolute position" plot because there are no comparisons between surveys.







7.5 TILT CHANGE

This is a presentation plot that compares the current tilt reading at a given depth against the initial tilt reading at the same depth. A change in tilt understood to represent displacement.

It is differs from the Profile Change plot in that there is no accumulation of values, so a subsurface displacement is not represented at the top of the plot.



7.6 TILT

This is a diagnostic plot that shows tilt in mm or inches at each depth. It can be used to evaluate the installed "straightness" of the inclinometer.



7.7 CHECKSUM

This is a diagnostic plot that shows the checksum at each depth. A checksum is the algebraic difference between 0 and 180 readings.

Generally speaking, the magnitude of the checksums is less important than the uniformity of checksums within a survey. In that regard, you would expect to see plots that are straight and vertical rather than curved and off vertical.





7.8 DIFFERENCE CHECKSUM

This is a diagnostic plot that attempts to remove casing irregularities from the analysis of checksums. The initial checksum is subtracted from the current checksum.



7.9 SETTINGS

- 1. Click on the A or B plot to display the settings grid.
- 2. The settings grid appears.

Mukiltect015 Profile_Change		
Print Bepot Saire	Mukilteo IN5 A	Mukilteo IN5 B
Settings Surveys Data Layout		
10 M 🗇		
H 1. Hot Type E 2. Surveys H 3. Data Scale I 4. Devits Scale		
E 5. Lapend	2	2
IE 7. Adjustments		
E 8. Enable Corrections E 9. Eorehele log		; .
E Misc	3	

<u>Data Scale</u>: Double click to open the grid. Double click "Default-Scale" to change the value to false. Now you can enter scales. The plot shows changes when you move from each field.

<u>Depth Scale</u>: Double click to open the grid. Double click "Auto-Scale" to change the value to false. Now you can enter scales.

<u>Labels</u>: Double-click to open the grid. Double click "Default Title" or "Default Labels" to change the values to falsees to "false." Now you can enter text for titles and labels.

<u>Adjustments</u>: Double click to open the grid. To show elevations rather than depths, double-click "Display Elevations," then adjust values in the Depth scale grid. To invert the reference from bottom to top, double click "Sum-From" to invert the reference.





🔜 Mukilteo:IN5 Profile_Change							
_							
	Print Export Save						
Se	Settings Surveye Data Lavout						
		1					
	2.						
Đ	1. Plot Type						
Đ	2. Surveys						
Ξ	3. Data Scale						
	Default Scale:	True					
	Min:	-20					
	Max:	20					
	Major Tic:	5					
	Minor Lic:	2.5					
	4. Depth Scale	-					
	Auto Scale:	Irue					
	Min:	0					
	Maion Tiou	1					
	Minor Tio:	0.5					
	5 Lecond	0.0					
	6 Labels						
	Default Title:	True					
	Title:	Mukilteo IN5 A					
Ŧ	Title Font:	Arial, 12pt					
	Default Labels:	True					
	Data Label:	Profile Change in mm					
	Depth Label:	Depth in Meters					
÷	Label Font:	Arial, 10pt					
	7. Adjustments						
	Display Elevations	False					
	Sum From Top:	False					
	Apply Stickup:	False					
	Auto Depth-Adjust:	False					
Ð	Size%:	50, 100					
	Position %:	U, U					
	8. Enable Correctio	ons					
	1 9. Borehole log						
1 ±	MISC						

Notes:

- Profil Manager does not save modified settings.
- Settings in 1, 2, 5, 8, 9, and Misc are available only in DigiPro 2.

7.10 SURVEYS

Click the "Surveys" tab to select control which surveys are selected for the plot. Profil Manager allows a maximum of three surveys.

🖶 Muki	lteo:IN5 Profile_Change				
Print	Export Save				
Settings	Surveys Data Layout				
	Date / Time v	A	Incl	Excl	Init
•	2012-11-08 16:11:46				
	2012-11-01 13:58:10	•			
	2012-10-25 11:01:17				
	2012-10-18 11:24:13				
	2012-10-11 10:34:55				

<u>A (Auto-Select)</u>: Profil Manager auto-selects the two most recent surveys. You can exclude a survey to force a different auto-selection.

Inc (Include): Disabled in Profil Manger.

Exc (Exclude): Profil Manager excludes the checked survey.

Init (Initial): Profil Manger uses the checked survey as the initial for change plots.

7.11 DATA

Click the "Data" tab to display the values used in the plot. Survey dates appear at the top of each column. Use the scroll bar to see other depths.





ł	🖁 Mukil	teo:IN5	Profile_Cha	ange		
	Print	6	oport S	ave		
L						
Ē	Settings	Survey	s Data L	ayout		
L		Depth	2012-10-11	2012-11-01	2012-11-08	-
L		9.5	0.00	1.30	3.21	
L		10.0	0.00	1.29	3.19	
l		10.5	0.00	1.30	3.17	
L		11.0	0.00	1.31	3.17	
L		11.5	0.00	1.33	3.17	
l		12.0	0.00	1.33	3.17	
L		12.5	0.00	1.37	3.21	
l		13.0	0.00	1.35	3.20	
L		13.5	0.00	1.41	3.25	
L		14.0	0.00	1.41	3.26	
l		14.5	0.00	1.41	3.26	
L		15.0	0.00	1.40	3.23	
l		15.5	0.00	1.43	3.25	
L		16.0	0.00	1.43	3.26	
l		16.5	0.00	1.42	3.29	
L		17.0	0.00	1.43	3.30	
l		17.5	0.00	1.42	3.31	
L		18.0	0.00	1.42	3.32	
I		18.5	0.00	-0.06	0.54	
		19.0	0.00	-0.09	0.48	
		19.5	0.00	-0.09	0.49	
		20.0	0.00	-0.10	0.45	
		20.5	0.00	-0.21	0.22	
		21.0	0.00	-0.21	0.20	

8. PRINT & EXPORT PLOTS

8.1 PRINTING PLOTS

- 1. Click the "Print" button.
- 2. Choose "Plots" or "Data." Click the checkbox for a print preview. Then click OK.



8.2 PREVIEW

Print preview lets you inspect the page before you print it. Click the print button to print.



8.3 PAGE LAYOUT

To adjust page margins:

- 1. Click the "Layout" tab.
- 2. Click the "Page Setup" button.
- 3. Adjust margins as required, then click OK.





4.



8.4 EXPORTING PLOTS

Profil Manager can export plots as text files or graphic files.

- 1. Generate the plot.
- 2. Click the Export button.

Mukilteo:IN5 Profile_Change	
Print Export Sove	Mukilteo IN5 A
Settings Survey Joint Layout	2012-10-11 2012-11-01 2012-11-08

3. The Save-As dialog appears. Choose a file type from the drop menu.

		φe.		
My Network	File name:	Profile_Change	-	Save
Places	Save as type:	Text Files (*.bd)	-	Cancel
	3	- Text Files (*.txt)		Charles and the second
		Spreadsheet Files (*.csv) ATLAS Files (*.dat) Image Files (bmp, emf, gif, jpg, png)	45	

<u>Text File</u>: Printable file with tab separated values.

Spreadsheet File: Spreadsheet-ready file with regionalized field separators and decimals.

<u>Atlas File</u>: Data arrays formatted for Atlas. Each array has a date stamp followed by depth-value pairs. A values first, then B values.

Image File: First select the A or B plot, and then click Export. Choose an image format and click save. PNG and GIF provide the sharpest results.







9. Profil Manager vs DigiPro 2

9.1 PROFILE MANAGER

Profil Manager is a utility program supplied at no charge with the Roctest Profil system.

9.2 DIGIPRO 2

DigiPro 2 is a full-featured inclinometer processing program available in 1-seat, 3-seat, or site-license.

Feature Comparison

	Profil manager	DigiPro 2
Create DPW databases	•	•
Import dux files from Digitilt AT system	•	•
Import surveys directly from Digitilt DataMate		•
Import mdb (DMM/DigiPro 1) databases	•	•
Import Gtilt and other file formats	•	•
Export surveys data to many formats	•	•
Export processed data to txt, csv, dat, and image file	•	•
Standard vertical plots	•	•
Surveys per plot	3	Unlimited
Special vertical plots: time plots, resultant plots		•
Horizontal plots		•
Copy settings (scales, etc) between plots		•
Mixed plot types, additional plots on page		•
Title block, annotations, uncertainty-V		•
Boring Log, Spiral Plot		•
Corrections for Inclinometer: Orientation, Spiral		•
Corrections for Surveys: bias shift, rotation, sensitivity, xy translation, settlement		•
Save plots for reuse on new surveys		•
Save plots as templates for use with other inclinometers		•
Bias shift Analysis		•
Rotation Analysis		٠

10. TERMINOLOGY

10.1 INTRODUCTION

Inclinometer terminology has changed over the years, and the Profil system introduces some more changes.

10.2 INSTRUMENT & DATA

Inclinometer Probe: The wheeled sensor that is used to obtain tilt readings. Sometimes it is called a "torpedo" or a "Probe."





Inclinometer: The installed portion of the inclinometer system, sometimes called an "installation," "borehole," or "hole."

Inclinometer Survey: The readings obtained from two traverses of the inclinometer (by the inclinometer probe). Other names for surveys are "reading set" and "dataset."

10.3 FILE EXTENSIONS

dpw: Database file used by Profil Manager and DigiPro 2.

dux: Inclinometer data file used by Profil System.

10.4 PLOT TYPES

<u>Tilt</u>: Previously called Incremental Deviation or Lateral Deviation.

Change in Tilt: Previously called Incremental Displacement.

Profile: Previously called Cumulative Deviation or Absolute Position.

Change in Profile: Previously called Cumulative Displacement.



