YieldPoint Tutorial on Minescope **EXTO Utilization** July 2014

YieldPoint dEXTO Digital MultiPoint Borehole Extensometer





YieldPoint Minescope dEXTO Software



- Minescope is a free software tool provided by YieldPoint for rapid graphing and reporting on data produced by various YieldPoint digital geotechnical instruments.
- Minescope works for extensometers, ground movement monitors, instrumented cable and rebars, instrumented rockbolts and Ucells.
- Minescope does not resort to a large database. As such it can accept only data files of limited size. When working with larger files, Minescope will automatically suggest the selection of only sequential samples.
- With large data files and when maximum resolution is desired, it is necessary to use Excel.

YieldPoint Minescope dEXTO Software





STRUMENTS DATA ACCESS MANUALS DOWNLOADS RESOURCES PARTNERS PROJECTS NEW

IdPoint provides digital instruments for geotechnical and structural monitoring of rastructure components including underground excavations, tunnels, dams, bridges and ildings.

IdPoint's instrumentation strategy is summarized in one word: digital. It starts with a crocomputer embedded in every instrument. Local signal processing provides unparalleled related for every instrument.

Download Minescope dEXTO from www.yieldpoint.com



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ieldPoint provides digital instruments for geotecomica and procession ifrastructure components including underground excavations, tunnels, da uildings.

ieldPoint's instrumentation strategy is summarized in one word: digital, incrocomputer embedded in every instrument, Local signal processing provi rvels of resolution and accuracy, and a unique serial number for exmpowers users to effortlessly create plug 'n play sensor networks that c itemet to autonomously transmit data to engineers, technicians o iofdwide.

ur innovative product-line is used around the world to generate structu ionitoring for projects in the following sectors: Mining, Infrastructure, C esidential.



Several versions of Minescope are available: CABLE, EXTO/MPBX, REBAR...



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MineScope Software:

MineScope CABLE Software Installer - XP, Vista and Windows 7 users: save to disk, rightdick MineScopeCABLE_Setup.exe and choose to install/run this software as Administrator

MineScope MPBX Software Installer - XP, Vista and Windows 7 users: save to disk, right dick MineScopeMPBX_Setup.exe and choose to install/run this software as Administrator

MineScope REBAR Software Installer - XP, Vista and Windows 7 users: save to disk, rightclick MineScopeMPBX_Setup.exe and choose to install/run this software as Administrator

MineScope uCELL Software Installer - XP, Vista and Windows 7 users: save to disk, rightclick MineScopeUCELL_Setup.exe and choose to install/run this software as Administrator

MineScope d-BOLT Software Installer - XP, Vista and Windows 7 users: save to disk, right-click MineScopedBOLT_Setup.exe and choose to install/run this software as Administrator



Run the install





Open Minescope from a YieldPoint folder in your Start Menu/All Programs



Open Minescope dEXTO



Select your Data File extracted from your d4LOGGER

130771003 - Notepad

File	Edit	Fo	rmat	View	Help									
2014	/03,	/05	09:1	9:05	,1307	-33,71	,003,+	10.0,	23.19,	40.50,	43.62,	42.75,	41.12,	35.64,
2014	/03	/05	10:0	0:11	,1307	-33,71	,003,+	10.1,	23.22,	40.53,	43.65,	42.78,	41.14,	35.67,
2014	/03/	/05	11:0	0:12	,1307	-33,71	,003,+	10.2,	23.22,	40.54,	43.67,	42.80,	41.17,	35.68,
2014	/03,	/05	12:0	0:12	,1307	-33,71	,003,+	10.3,	23.20,	40.53,	43.65,	42.78,	41.15,	35.67,
2014	/03/	/05	13:0	0:12	,1307	-33,71	,003,+	10.1,	23.20,	40.52,	43.64,	42.78,	41.15,	35.67,
2014	/03/	/05	14:0	0:12	,1307	-33,71	,003,+	10.1,	23.23,	40.55,	43.68,	42.82,	41.18,	35.69,
2014	/03/	/05	15:0	0:12	,1307	-33,71	,003,+	10.4,	23.20,	40.54,	43.68,	42.81,	41.17,	35.69,
2014	/03/	/05	16:0	00:11	,1307	-33,71	,003,+	9.9,	23.22,	40.55,	43.68,	42.82,	41.18,	35.71,
2014	/03/	/05	17:0	00:11	,1307	-33,71	,003,+	10.0,	23.22,	40.55,	43.69,	42.82,	41.18,	35.69,
2014	/03/	/05	18:0	00:11	,1307	-33,71	,003,+	9.7,	23.22,	40.56,	43.70,	42.83,	41.19,	35.72,
2014	/03/	/05	19:0	0:12	,1307	-33,71	,003,+	9.6,	23.23,	40.59,	43.72,	42.87,	41.21,	35.74,
2014	/03/	/05	20:0	0:12	,1307	-33,/1	,003,+	10.0,	23.22,	40.61,	43.75,	42.89,	41.25,	35.76,
2014	/03/	/05	21:0	00:12	,1307	-33,/1	,003,+	10.5,	23.20,	40.62,	43.75,	42.89,	41.25,	35.78,
2014	/03/	/05	22:0	0:12	,1307	-33,/1	,003,+	10.3,	23.20,	40.62,	43.75,	42.89,	41.25,	35.76,
2014	/03/	/05	23:0	0:12	,1307	-33,/1	,003,+	10.2,	23.20,	40.62,	43.76,	42.90,	41.26,	35.78,
2014	/03/	/06	00:0	0:12	,1307	-33,/1	,003,+	10.2,	23.20,	40.64,	43.78,	42.91,	41.2/,	35.80,
2014	/03/	/06	01:0	0:12	,1307	-33,/1	,003,+	10.3,	23.22,	40.68,	43.81,	42.95,	41.31,	33.83, 25.01



Use this name as your EXTO Instrument Identification

130771003 - Notepad

File	Edit	Format	View	Help								
2014	/03/	05 09:	:19:05	1307-3	3,71,003,+	10.0,	23.19,	40.50,	43.62,	42.75,	41.12,	35.64,
2014	/03/	05 10:	:00:11	1307-3	3,71,003,+	10.1,	23.22,	40.53,	43.65,	42.78,	41.14,	35.67,
2014	/03/	05 11:	:00:12	,1307-3	3,71,003,+	10.2,	23.22,	40.54,	43.67,	42.80,	41.17,	35.68,
2014	/03/	05 12:	:00:12	,1307-3	3,71,003,+	10.3,	23.20,	40.53,	43.65,	42.78,	41.15,	35.67,
2014	/03/	05 13:	:00:12	,1307-3	3,71,003,+	10.1,	23.20,	40.52,	43.64,	42.78,	41.15,	35.67,
2014	/03/	05 14:	:00:12	,1307-3	3,71,003,+	10.1,	23.23,	40.55,	43.68,	42.82,	41.18,	35.69,
2014	/03/	05 15:	:00:12	,1307-3	3,71,003,+	10.4,	23.20,	40.54,	43.68,	42.81,	41.17,	35.69,
2014	/03/	05 16:	:00:11	,1307-3	3,71,003,+	9.9,	23.22,	40.55,	43.68,	42.82,	41.18,	35.71,
2014	/03/	05 17:	:00:11	,1307-3	3,71,003,+	10.0,	23.22,	40.55,	43.69,	42.82,	41.18,	35.69,
2014	/03/	05 18:	:00:11	,1307-3	3,71,003,+	9.7,	23.22,	40.56,	43.70,	42.83,	41.19,	35.72,
2014	/03/	05 19:	:00:12	,1307-3	3,71,003,+	9.6,	23.23,	40.59,	43.72,	42.87,	41.21,	35.74,
2014	/03/	05 20:	:00:12	,1307-3	3,71,003,+	10.0,	23.22,	40.61,	43.75,	42.89,	41.25,	35.76,
2014	/03/	05 21:	:00:12	,130/-3	3,/1,003,+	10.5,	23.20,	40.62,	43.75,	42.89,	41.25,	35.78,
2014	/03/	05 22	:00:12	,130/-3	3,/1,003,+	10.3,	23.20,	40.62,	43.75,	42.89,	41.25,	35.76,
2014	/03/	05 23	00:12	1307-3	3,/1,003,+	10.2,	23.20,	40.62,	43.76,	42.90,	41.26,	35.78,
2014	/03/	06 00	00:12	1 207 - 3	$\frac{1}{2}$	10.2,	23.20,	40.64,	43./8,	42.91,	41.2/,	35.80,
2014	/03/	06 01	00:12	1207 3	$\frac{1}{1}$	10.3,	23.22,	40.08,	43.81,	42.93,	41.31,	55.85, 55.01
							15 M		0.5 80	0 Z M S	··· · · ·	



Open Minescope and Add New Instrument

Add of Sele	ect Sensor:	•	Node / Anchor Location:	_	
DEMO- Mine ID Family:	Date ID S Type	5 Number	© Option 1 & 2 - Head at col	lar Option 3 -	Head at toe
Record Nav	vigation:	*		5 — 4 — 3 —	
Previous	Next Add New No records	Delete		2 <u> </u>	



Create the New Sensor ID Number





Confirm the creation of the new Sensor

1. Identification	2. Installation	3. Readings	4. Disp v Time	5. Disp v Length	6. Utilities
Instrument ID:					
Add or Sele	ect Sensor: 13077	1003 • Le	anufacturing Config ngth of MPBX (m): Option 1 & 2 - Head at	collar Option 3	- Head at toe
Mine ID Family:	Date ID S Type	S Number TieldPoint's MineScope	sor 130771 to the database?	× 8 — 7 — 7 — 7	
Record Nav	vigation:	_	Yes No	5	



Select *NO* as you are using a dEXTO

1. Identification	2. Installation	3. Readings	4. Disp v Time	5. Disp v Length	6. Utilities
strument ID:					
Add or Sel	ect Sensor: 1207740	M	anufacturing Configu	ıration:	
		Le	ength of MPBX (m):		
		o	Option 1 & 2 - Head at o	collar Option 3 -	Head at toe
Mine ID	Date ID S Type	Number YieldPoint's Mines	cope	o I	
				8	
Family:		Is this sensor a d (Choose No if se	MPBX? nsor is a dEXTO	7 —	
				6 —	
Record Na	vigation:	Yes	No	5	
	- igueroni			4 ——	

Enter the Mine ID



strument ID:	DEMO-13077100	3			
Add or DEMO- Mine ID Family:	ect Sensor: 130 1307 71 Date ID S Type d6EXTO	0771003	Node / Anchor Location: Length of EXTO (m): 0 © Option 1 & 2 - Head at collar	© Option 3 - Head 8	d at toe
Record No	vigation:			5 —	
Previous	Next Add New	XX Delete		3 I 2 I 1 I	

Enter the Date



Add or Se	lect Sensor: 13077	1003 -	Node / Anchor Location	n:	
	1.0011	·····	Length of EXTO (m): 11		
			• Option 1 & 2 - Head at o	collar Option 3	- Head at toe
DEMO-	1307 71	003			
Mine ID	Date ID S Type	S Number		8 1	
Esmilu				7	
ramily:	d6EXTO				
			11	0	
Record N	vigation.		9	5 —	
Record no	avigation.		7	4 🖡	
4	•	*	5	3	
Previous	Next Add New	Delete	5		
	1 of 1		3	2 —	
			1	1 4	



Enter EXTO dimension

trument ID:	DEMO-130771003)			
Add or Sele	ect Sensor: 1307	771003 •	Node / Anchor Location:		
DEMO-	1307 71	003	• Option 1 & 2 - Head at colla	r Option 3	- Head at toe
J Mine ID	J J Date ID S Type	S Number		8 1	
Family:	d6EXTO			7 —	
Deserved Mar				5	
Record Na	vigation:			4	
4	• +	*		3	
Previous	Next Add New	Delete		2	
	1 of 1			1	

Go to <i>Installation Tab</i>	
1. Identification 2. Installation 3. Readings 4. Disp v Time 5. Disp v Length	6. Utilities
Instrument ID: DEMO-130771003	~
Add or Select Sensor: 130771003 Node / Anchor Location: Length of EXTO (m): 11	
DEMO- Mine ID Date ID S Type S Number	l at toe
Family: d6EXTO	
Record Navigation:	
↓ ↓ ↓ ★ ★ 5 3 - 4	
Previous Next Add New Delete 1 of 1	
Destroyed: No Date: July 2, 2014 Anchor Location Data (m):	

Enter Level, Location, Borehole, Install Date Operator's Name, Purpose and any Notes

Level:	460m	 0 m recess Option 1 and 2 - He	ad at Bore	hole Collar	
Location:	Interrection	 Anchor Location Re	lative to R	oof Line (m):	
				8	
Borehole:	#4			7	
Install Date:	2014/07/02	11.0	o 🛽	6	
Installed By:	Manuel	9.00		5	
Purpose:	Roof monitoring	7.00		4	
		5.00		3	
		3.00		2	
Notes:	Hourly readings	1.00		1	

Save File



Installation	ז:				
		0 mreces			
Level:	460m	 Option 1 and 2 - He	ad at Bore	hole Collar	
	,	 Anchor Location Re	lative to R	oof Line (m):	
Location:	Intersection				
	I			8	
Borehole:	#4			7	
Install Date:	2014/07/02			<i>'</i>	
	2014/07/02	11.0	• — 🛉	6	
Installed By:	Manuel	9.00		5	
Durneret				4	
Purpose:	Roof monitoring	7.00		4	
		5.00		3	
		3.00		2	
Notes:	Hourly readings				
		1.00		1	

Import Data File



1. Identification	2. Installation	3. Readings	4. Disp v Time	5. Disp v Length	6. Utilities
nstrument ID:	DEMO-130771003	0 Reading	gs - Click the Add button	n to add a reading	
Reading ID:			Plot Temporal (Disp v Time)	Datasheet Vi	ew:
Reading Date:	2014/07/02 -		Plot Spatial (Disp v Length)	Da	tasheet
Reading Time:	12:00:00 -			W Re	port
Temperature:	deg C				
1.00 m	mm	9.00 m	mm	Import Dataj	files:
3.00 m	mm	11.00 m	mm		hr) 24 -
5.00 m	mm		mm	🖊 (
7.00 m	mm		mm	View	Add Readings
First	Previous Next Las	t Add New Dele	te/Batch 0 of 0		



Select Data File to Import



Append Data File



Datafile Date Forma	at:		buoge	Click t	o downk	and textf	ilo data (o Sensor	130771	003					
YYYY/MM/DD			append	CIICK D	5 00 00 1110		ne uata i	o sensor	130771	005					
G DD/MM/MMY															
C MM/DD/YYYY															
Reading Date & Time	SLUG ID	Type ID	SensorNo	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8	Channel9	Channel10	Append
2014/03/05 09:19:05	1307-33	71	003	+ 10.0	23.19	40.50	43.62	42.75	41.12	35.64					
2014/03/05 10:00:11	1307-33	71	003	+ 10.1	23.22	40.53	43.65	42.78	41.14	35.67					
2014/03/05 11:00:12	1307-33	71	003	+ 10.2	23.22	40.54	43.67	42.80	41.17	35.68					
2014/03/05 12:00:12	1307-33	71	003	+ 10.3	23.20	40.53	43.65	42.78	41.15	35.67					
2014/03/05 13:00:12	1307-33	71	003	+ 10.1	23.20	40.52	43.64	42.78	41.15	35.67					
2014/03/05 14:00:12	1307-33	71	003	+ 10.1	23.23	40.55	43.68	42.82	41.18	35.69					
2014/03/05 15:00:12	1307-33	71	003	+ 10.4	23.20	40.54	43.68	42.81	41.17	35.69					
2014/03/05 16:00:11	1307-33	71	003	+ 9.9	23.22	40.55	43.68	42.82	41.18	35.71					
2014/03/05 17:00:11	1307-33	71	003	+ 10.0	23.22	40.55	43.69	42.82	41.18	35.69					
2014/03/05 18:00:11	1307-33	71	003	+ 9.7	23.22	40.56	43.70	42.83	41.19	35.72					
2014/03/05 19:00:12	1307-33	71	003	+ 9.6	23.23	40.59	43.72	42.87	41.21	35.74					
2014/03/05 20:00:12	1307-33	71	003	+ 10.0	23.22	40.61	43.75	42.89	41.25	35.76					
2014/03/05 21:00:12	1307-33	71	003	+ 10.5	23.20	40.62	43.75	42.89	41.25	35.78					
2014/03/05 22:00:12	1307-33	71	003	+ 10.3	23.20	40.62	43.75	42.89	41.25	35.76					
2014/03/05 23:00:12	1307-33	71	003	+ 10.2	23.20	40.62	43.76	42.90	41.26	35.78					
2014/03/06 00:00:12	1307-33	71	003	+ 10.2	23.20	40.64	43.78	42.91	41.27	35.80					
2014/03/06 01:00:12	1307-33	71	003	+ 10.3	23.22	40.68	43.81	42.95	41.31	35.83					
2014/03/06 02:00:12	1307-33	71	003	+ 10.8	23.20	40.67	43.80	42.93	41.28	35.81					
2014/03/06 03:00:12	1307-33	71	003	+ 10.6	23.20	40.70	43.82	42.96	41.32	35.85					
2014/02/06 04:00:12	1207 22	71	002	+ 10.4	22.10	40.00	42.92	42.00	44.00	25.02					



Confirm Import of Data File

Type ID	SensorNo	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel
71	003	+ 10.0	23.19	40.50	43.62	42.75	41.12	35.64		
71	003	+ 10,1	23.22	40.53	43.65	42.78	41,14	35.67		
71	003	+ 10 N	lineScope					5.68		
71	003	+ 10						35.67		
71	003	+ 10	All the chec	ked data wi	ll be added t	asor: 13	0771003 ?	35.67		
71	003	+ 10	7 in the the					35.69		
71	003	+ 10						35.69		
71	003	+ 9			Y	'es	No	35.71		
71	003	+ 10						35.69		
71	003	+ 9.7	23.22	40.56	43.70	42.83	41.19	35.72		
71	003	+ 9.6	23.23	40.59	43.72	42.87	41.21	35.74		
71	003	+ 10.0	23.22	40.61	43.75	42.89	41.25	35.76		
71	003	+ 10.5	23.20	40.62	43.75	42.89	41.25	35.78		
71	003	+ 10.3	23.20	40.62	43.75	42.89	41.25	35.76		
74	000	. 40.0	22.20	10.70	10.7/	42.00	44.57	25.70		

Minescope indicates how many Records are appended

e	SLUG ID	Type ID	SensorNo	ChannelT	Channel	1 Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8	Channel9	Channel10
9:05	1307-33	71	003	+ 10.0	23.1	9 40.50	43.62	42.75	41.12	35.64				
0:11	1307-33	71	003	+ 10.1	23,2	40.53	43.65	42.78	41.14	35.67				
0:12	1307-33	71	003	+ 10.2	23	MineScope			× .17	35.68				
0:12	1307-33	71	003	+ 10.3	23				1.15	35.67				
0:12	1307-33	71	003	+ 10.1	23	34 records a	appended to	130771003	1.15	35.67				
0:12	1307-33	71	003	+ 10.1	23				1.18	35.69				
0:12	1307-33	71	003	+ 10.4	23				.17	35.69				
0:11	1307-33	71	003	+ 9.9	23			ОК	1.18	35.71				
0:11	1307-33	71	003	+ 10.0	23				.18	35.69				
0:11	1307-33	71	003	+ 9.7	23.2	40.56	43.70	42.83	41.19	35.72				
0:12	1307-33	71	003	+ 9.6	23.2	40.59	43.72	42.87	41.21	35.74				
0:12	1307-33	71	003	+ 10.0	23.2	40.61	43.75	42.89	41.25	35.76				
0:12	1307-33	71	003	+ 10.5	23.2	40.62	43.75	42.89	41.25	35.78				
0:12	1307-33	71	003	+ 10.3	23.2	40.62	43.75	42.89	41.25	35.76				
													1	



Minescope shows the first reading and its Date and Time

strument ID:	DEMO-1307/100	13			
Reading ID:	130771003 2014/04/0	07 09:00:11	Plot Temporal (Disp v Time)	Datasheet View	v :
Reading Date:	2014/04/07		Plot Spatial (Disp v Length)	Data	sheet
Reading Time:	09:00:11 -			Ж Верс	ort
Temperature:	10.1 deg C				
1.00 m	24.20 mm	9.00 m 49.11	mm	Import Datafile	es:
3.00 m	47.59 mm	11.00 m 43.45	mm	Time Period (hr)	24
5.00 m	51.46 mm	0.00	mm		
7.00 m	50.72 mm		mm	View/Ad	ld Readings
K	▲ ▶	N 🕂 🛛	*		



Look up Displacement vs. Time

1. Identification	2. Installation	3. Readings	4. Disp v Time	5. Disp v Length	6. Utilities
Instrument ID:	DEMO-130771003		K		
Reading ID:	130771003 2014/04/07 (09:00:11	Plot Tempor (Disp v Time)	Datasheet Vi	iew:
Reading Date:	2014/04/07 🗸		 Plot Spatial (Disp v Length) 	Da	tasheet
Reading Time:	09:00:11 🔺			Re Re	port
Temperature:	10.1 deg C				
1.00 m	24.20 mm	9.00 m 49.11	mm	Import Dataj	files:
3.00 m	47.59 mm	11.00 m 43.45	mm	Time Period (hr) 24 -
5.00 m	51.46 mm	0.00	mm		
7.00 m	50.72 <i>mm</i>		mm	View	Add Readings
First	Previous Next La	ist Add New Delet	ke/Batch 34 of 34		



Displacement vs. Time Graph



Graph can be exported as .JPG, X axis can be scaled





Looking up Displacement vs. Length





Enter 2 to 4 Readings first



Open Data Sheet



130771003 2014/04/07	09.00.11	v	Plot Temporal (Disp v Time)	Datasheet Vie	
2014/04/07 -	07.00.11	~	Plot Spatial (Disp v Length)	Dat	tasheet
09:00:11 🔺				W Rep	port
10.1 deg C					
24.20 mm	9.00 m 49.11	mm		Import Dataf	iles:
47.59 mm	11.00 m 43.45	mm		Time Period (h	r) 24 -
51.46 mm	0.00	mm			
50.72 mm		mm		View/	Add Readings
			_		
	130771003 2014/04/07 2014/04/07 09:00:11 10.1 deg C 24.20 mm 47.59 mm 51.46 mm 50.72 mm	130771003 2014/04/07 09:00:11 2014/04/07 09:00:11 10.1 deg C 24.20 mm 9.00 m 49.11 47.59 mm 11.00 m 51.46 mm 0.00 50.72 mm 1	JEMO-130771003 130771003 2014/04/07 2014/04/07 • 09:00:11 • 10.1 deg C 24.20 mm 9.00 m 49.11 mm 47.59 mm 11.00 m 43.45 mm 51.46 mm 0.00 mm 50.72 mm mm mm	JEMO-130771003 Plot Temporal (Disp v Time) 130771003 2014/04/07 09:00:11 2014/04/07 Plot Spatial (Disp v Length) 09:00:11 deg C 24.20 mm 9.00 m 49.11 mm 47.59 mm 11.00 m 43.45 mm 51.46 mm 0.00 mm 50.72 mm mm mm	DEMO-130771003 130771003 2014/04/07 09:00:11 12014/04/07 2014/04/07 • Plot Spatial (Disp v Length) • 10.1 deg C 24.20 mm 9.00 m 49.11 47.59 mm 11.00 m 43.45 50.72 mm



Scroll to the right to display *Plot Spatial*

ata for Sensor 1307710	60											~
DateTime Key	ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTempora	al	PlotSpe
130771003 2014/03/05 09:19:05	3/5/2014	09:19:05	10.0	23.19	40.50	43.62	42.75	41.12	35.64	V	0.00	Γ.
130771003 2014/03/06 09:00:11	3/6/2014	09:00:11	10.3	23.23	40.75	43.89	43.03	41.39	35.92	\checkmark	0.00	Ŀ
130771003 2014/03/07 09:00:12	3/7/2014	09:00:12	9.7	23.25	41.06	44.24	43.37	41.73	36.25	\checkmark	0.00	Γ
130771003 2014/03/08 09:00:12	3/8/2014	09:00:12	10.1	23.28	41.34	44.51	43.65	42.02	36.53	\checkmark	0.00	Γ
130771003 2014/03/09 09:00:12	3/9/2014	09:00:12	10.0	23.30	41.51	44.75	43.89	42.26	36.77	\checkmark	0.00	Γ
130771003 2014/03/10 09:00:12	3/10/2014	09:00:12	10.0	23.32	41.71	45.00	44.13	42.51	37.02	V	0.00	Γ
130771003 2014/03/11 09:00:12	3/11/2014	09:00:12	10.3	23.35	41.92	45.33	44.39	42.76	37.27	\checkmark	0.00	Ε
130771003 2014/03/12 09:00:11	3/12/2014	09:00:11	10.6	23.36	42.15	45.59	44.65	43.01	37.51		0.00	Γ
130771003 2014/03/13 09:00:12	3/13/2014	09:00:12	10.4	23.41	42.39	45.90	44.96	43.31	37.82	V	0.00	Γ
130771003 2014/03/14 09:00:12	3/14/2014	09:00:12	10.6	23.42	42.61	46.17	45.25	43.59	38.09		0.00	Ε
130771003 2014/03/15 09:00:12	3/15/2014	09:00:12	10.8	23.48	42.82	46.45	45.51	43.85	38.36		0.00	Γ
130771003 2014/03/16 09:00:11	3/16/2014	09:00:11	10.6	23.50	43.02	46.65	45.71	44.05	38.56	V	0.00	Γ
130771003 2014/03/17 09:00:11	3/17/2014	09:00:11	10.4	23.53	43.22	46.88	45.94	44.28	38.77	\checkmark	0.00	Ε
130771003 2014/03/18 09:00:12	3/18/2014	09:00:12	10.6	23.58	43.41	47.09	46.15	44.49	38.98	V	0.00	Γ
130771003 2014/03/19 09:00:12	3/19/2014	09:00:12	10.6	23.61	43.61	47.29	46.35	44.69	39.18		0.00	Ε
130771003 2014/03/20 09:00:11	3/20/2014	09:00:11	11.2	23.52	43.62	47.35	46.42	44.76	39.25	V	0.00	Γ
130771003 2014/03/21 09:00:12	3/21/2014	09:00:12	11.2	23.50	43.76	47.51	46.58	44.93	39.41	V	0.00	Γ
130771003 2014/03/22 09:00:12	3/22/2014	09:00:12	10.8	23.55	43.96	47.70	46.78	45.13	39.60		0.00	Ε
130771003 2014/03/23 09:00:11	3/23/2014	09:00:11	10.5	23.61	44.18	47.95	47.03	45.37	39.85		0.00	Γ
130771003 2014 09:00:11	3/24/2014	09:00:11	10.1	23.66	44.46	48.23	47.30	45.66	40.13		0.00	Γ
13077100 0725 09:00:12	3/25/2014	09:00:12	10.1	23.71	44.74	48.51	47.61	45.95	40.41		0.00	- R



Plot Spatial Column is displayed

Data for Sen	sor 1307	71003									1	⇒2
ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTempora	ι	PlotSpatial	
3/5/2014	09:19:05	10.0	23.19	40.50	43.62	42.75	41.12	35.64		0.00		
3/6/2014	09:00:11	10.3	23.23	40.75	43.89	43.03	41.39	35.92		0.00		
3/7/2014	09:00:12	9.7	23.25	41.06	44.24	43.37	41.73	36.25		0.00		
3/8/2014	09:00:12	10.1	23.28	41.34	44.51	43.65	42.02	36.53		0.00		
3/9/2014	09:00:12	10.0	23.30	41.51	44.75	43.89	42.26	36.77		0.00		
3/10/2014	09:00:12	10.0	23.32	41.71	45.00	44.13	42.51	37.02		0.00		
3/11/2014	09:00:12	10.3	23.35	41.92	45.33	44.39	42.76	37.27		0.00		
3/12/2014	09:00:11	10.6	23.36	42.15	45.59	44.65	43.01	37.51		0.00		
3/13/2014	09:00:12	10.4	23.41	42.39	45.90	44.96	43.31	37.82		0.00		
3/14/2014	09:00:12	10.6	23.42	42.61	46.17	45.25	43.59	38.09		0.00		
3/15/2014	09:00:12	10.8	23.48	42.82	46.45	45.51	43.85	38.36		0.00		
3/16/2014	09:00:11	10.6	23.50	43.02	46.65	45.71	44.05	38.56		0.00		
3/17/2014	09:00:11	10.4	23.53	43.22	46.88	45.94	44.28	38.77		0.00		
3/18/2014	09:00:12	10.6	23.58	43.41	47.09	46.15	44.49	38.98		0.00		
3/19/2014	09:00:12	10.6	23.61	43.61	47.29	46.35	44.69	39.18		0.00		
3/20/2014	09:00:11	11.2	23.52	43.62	47.35	46.42	44.76	39.25		0.00		
3/21/2014	09:00:12	11.2	23.50	43.76	47.51	46.58	44.93	39.41		0.00		
3/22/2014	09:00:12	10.8	23.55	43.96	47.70	46.78	45.13	39.60		0.00		
3/23/2014	09:00:11	10.5	23.61	44.18	47.95	47.03	45.37	39.85		0.00		
3/24/2014	09:00:11	10.1	23.66	44.46	48.23	47.30	45.66	40.13		0.00		
3/25/2014	09:00:12	10.1	23.71	44.74	48.51	47.61	45.95	40.41		0.00		-



Select the few dates (2 to 4) of interest

ata for Sen	sor 1307	71003									1		⇒[
ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTempora	al	PlotSpatial	4	-
3/5/2014	09:19:05	10.0	23.19	40.50	43.62	42.75	41.12	35.64		0.00			
3/6/2014	09:00:11	10.3	23.23	40.75	43.89	43.03	41.39	35.92		0.00			
3/7/2014	09:00:12	9.7	23.25	41.06	44.24	43.37	41.73	36.25		0.00			
3/8/2014	09:00:12	10.1	23.28	41.34	44.51	43.65	42.02	36.53		0.00			
3/9/2014	09:00:12	10.0	23.30	41.51	44.75	43.89	42.26	36.77		0.00			
3/10/2014	09:00:12	10.0	23.32	41.71	45.00	44.13	42.51	37.02		0.00			
3/11/2014	09:00:12	10.3	23.35	41.92	45.33	44.39	42.76	37.27		0.00			
3/12/2014	09:00:11	10.6	23.36	42.15	45.59	44.65	43.01	37.51	\checkmark	0.00			
3/13/2014	09:00:12	10.4	23.41	42.39	45.90	44.96	43.31	37.82	\checkmark	0.00			
3/14/2014	09:00:12	10.6	23.42	42.61	46.17	45.25	43.59	38.09	\checkmark	0.00			
3/15/2014	09:00:12	10.8	23.48	42.82	46.45	45.51	43.85	38.36	\checkmark	0.00			
3/16/2014	09:00:11	10.6	23.50	43.02	46.65	45.71	44.05	38.56	\checkmark	0.00			
3/17/2014	09:00:11	10.4	23.53	43.22	46.88	45.94	44.28	38.77	\checkmark	0.00			
3/18/2014	09:00:12	10.6	23.58	43.41	47.09	46.15	44.49	38.98	\checkmark	0.00			
3/19/2014	09:00:12	10.6	23.61	43.61	47.29	46.35	44.69	39.18		0.00			
3/20/2014	09:00:11	11.2	23.52	43.62	47.35	46.42	44.76	39.25		0.00			
3/21/2014	09:00:12	11.2	23.50	43.76	47.51	46.58	44.93	39.41		0.00			
3/22/2014	09:00:12	10.8	23.55	43.96	47.70	46.78	45.13	39.60		0.00			
3/23/2014	09:00:11	10.5	23.61	44.18	47.95	47.03	45.37	39.85		0.00			
3/24/2014	09:00:11	10.1	23.66	44.46	48.23	47.30	45.66	40.13		0.00			
3/25/2014	09:00:12	10.1	23.71	44.74	48.51	47.61	45.95	40.41		0.00			



Displacement vs. Length Plot



Use cursor to zoom on a section of the Plot





Zoomed-in Plot Section





Create a Report in Word

1. Identification	Z. Installation	3. Readings	4. Disp v Time	5. Disp v Length 6. Utiliti
strument ID:	DEMO-130771003			
Reading ID:	130771003 2014/04/07	09:00:11	✓ Plot Temporal (Disp v Time)	Datasheet View:
Reading Date:	2014/04/07 -		✓ Plot Spatial (Disp v Length)	Datasheet
Reading Time:	09:00:11			Report
Temperature:	10.1 deg C			
1.00 m	24.20 mm	9.00 <i>m</i> 49.11	mm	Import Datafiles:
3.00 m	47.59 mm	11.00 m 43.45	mm	Time Period (hr) 24
5.00 m	51.46 mm	0.00	mm	
7.00 m	50.72 mm		mm	View/Add Reading
14	4		•	
First	Previous Next L	ast Add New Dele	te/Batch 34 of 34	



Select Data Type to be in Report





Select Data Type to be in Report



Page 1 of Report





REPORT FOR SENSOR 130771003

Report Date: 7/2/2014 Sensor Number: 130771003 Sensor Type: d6EXTO EX Date Installed: 7/2/2014 Installed By: Manuel Level: 460m Location: Intersection Purpose: Roof monitoring Notes: Hourly readings

Page 2 of Report





Disp v Time



Notes:

Page 3 of Report





Disp v Length



Distance from Roof (m)







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