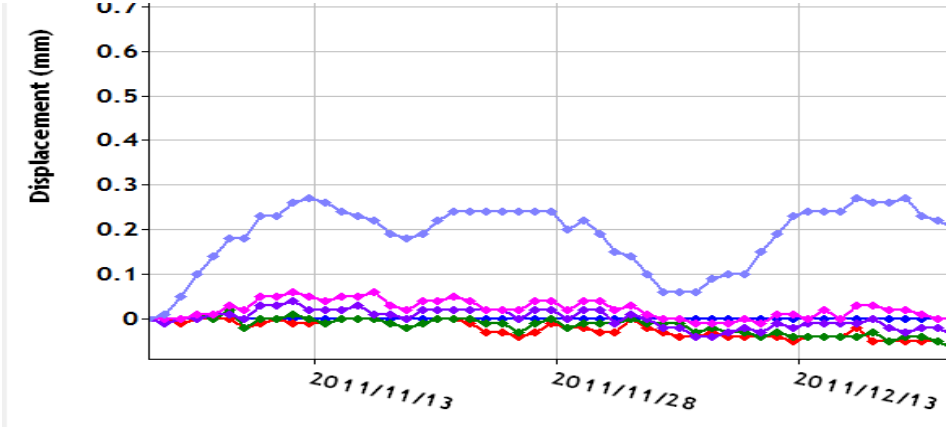
YieldPoint

Tutorial on Minescope EXTO Utilization

July 2014

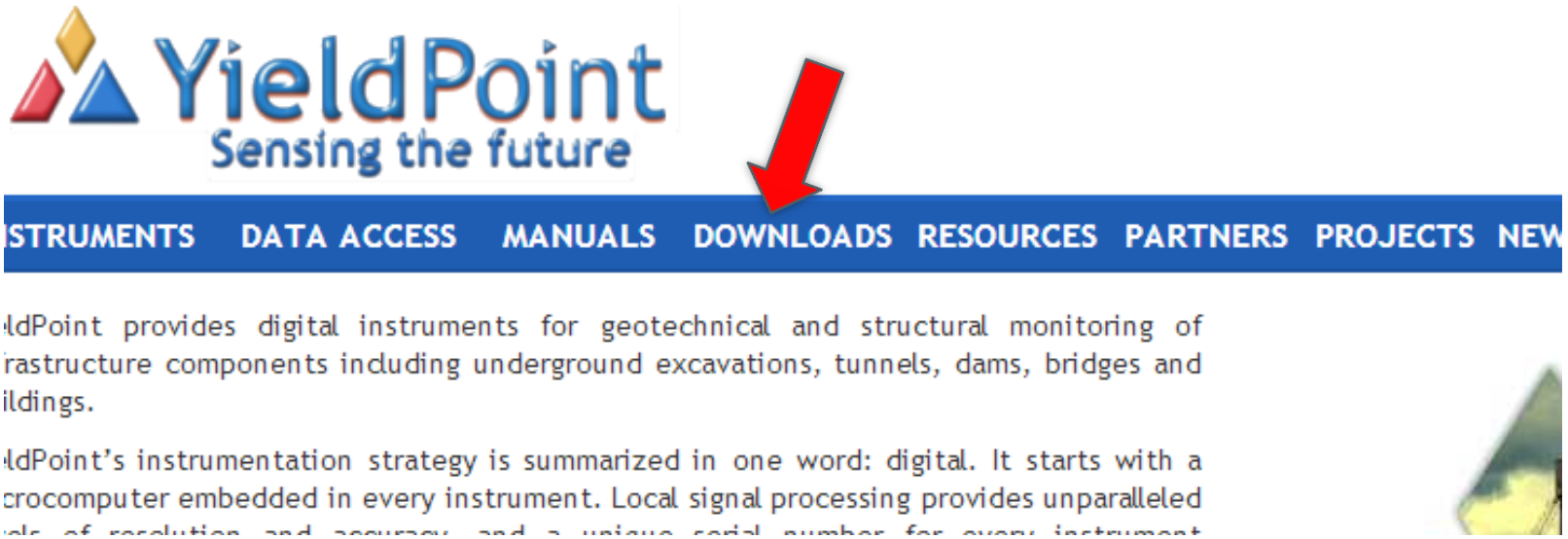
YieldPoint dEXTO
Digital MultiPoint Borehole Extensometer



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



Download Minescope dEXTO from www.yieldpoint.com

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

YieldPoint
Sensing the future

INSTRUMENTS DATA ACCESS MANUALS DOWNLOADS RESOURCES PARTNERS PROJECTS NEWS CONTACT HOME

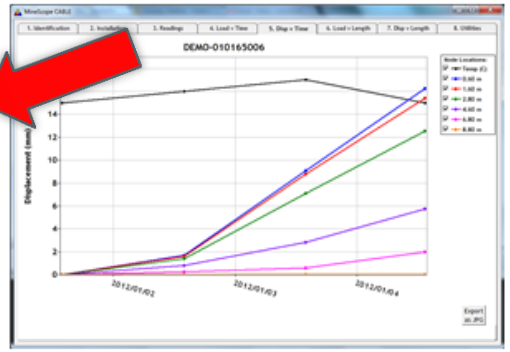
MineScope Software:

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

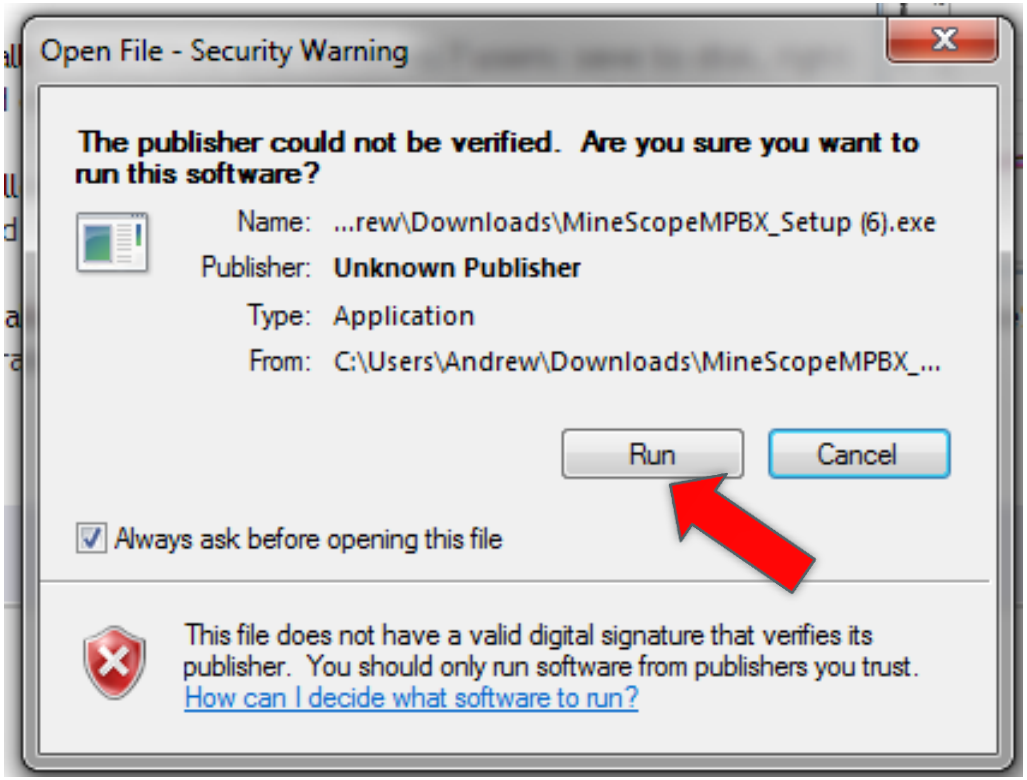
MineScope REBAR Software Installer - XP, Vista and Windows 7 users: save to disk, right-click MineScopeMPBX_Setup.exe and choose to install/run this software as Administrator

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



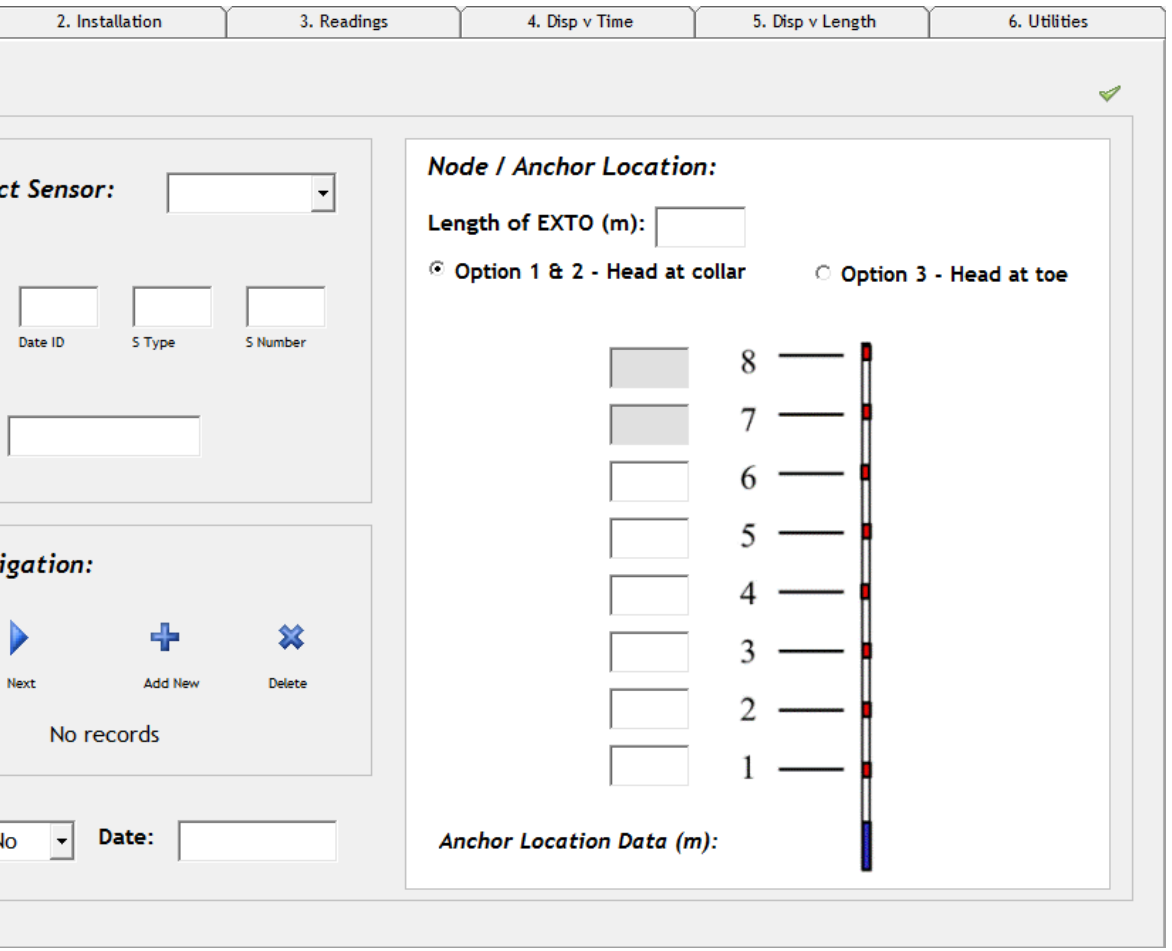
MineScope d-BOLT Software Installer - XP, Vista and Windows 7 users: save to disk, right-click MineScopedBOLT_Setup.exe and choose to install/run this software as Administrator

Run the install

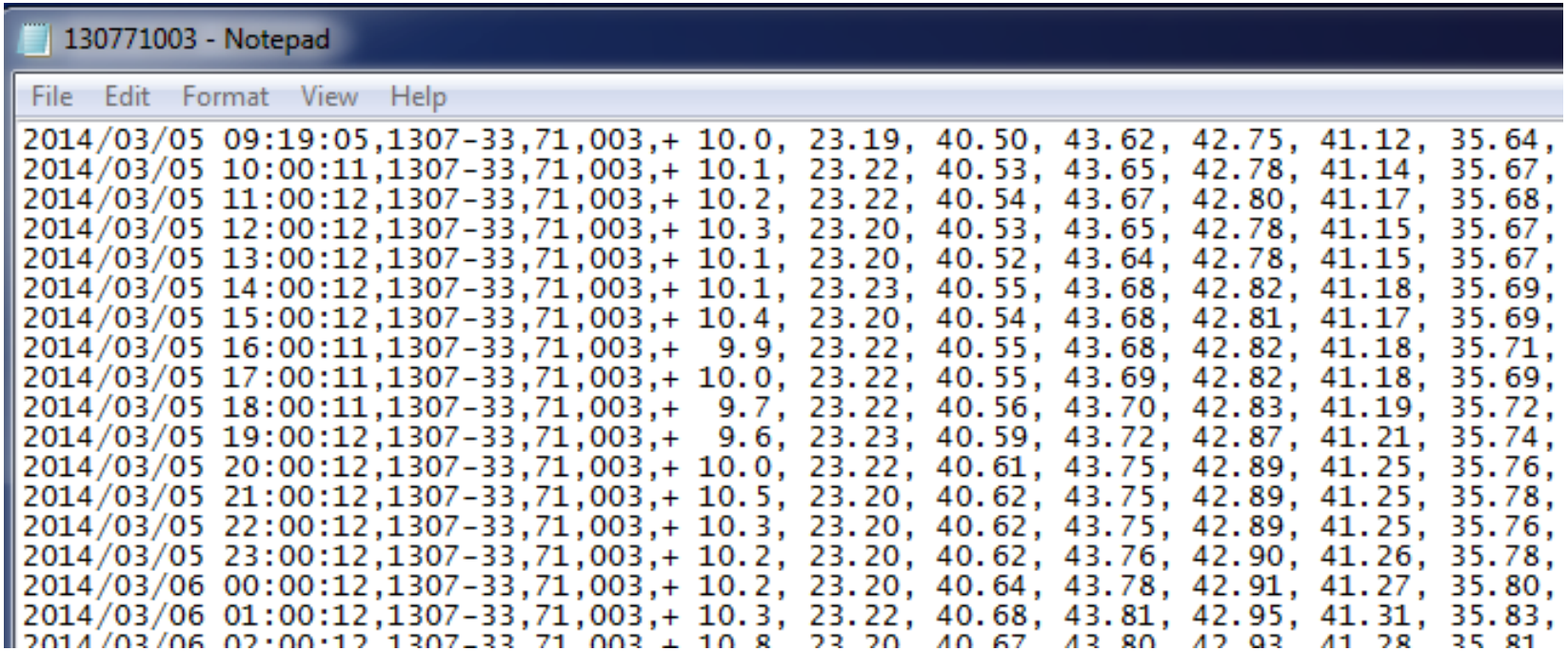


Open Minescope from a YieldPoint folder in your Start Menu/All Programs

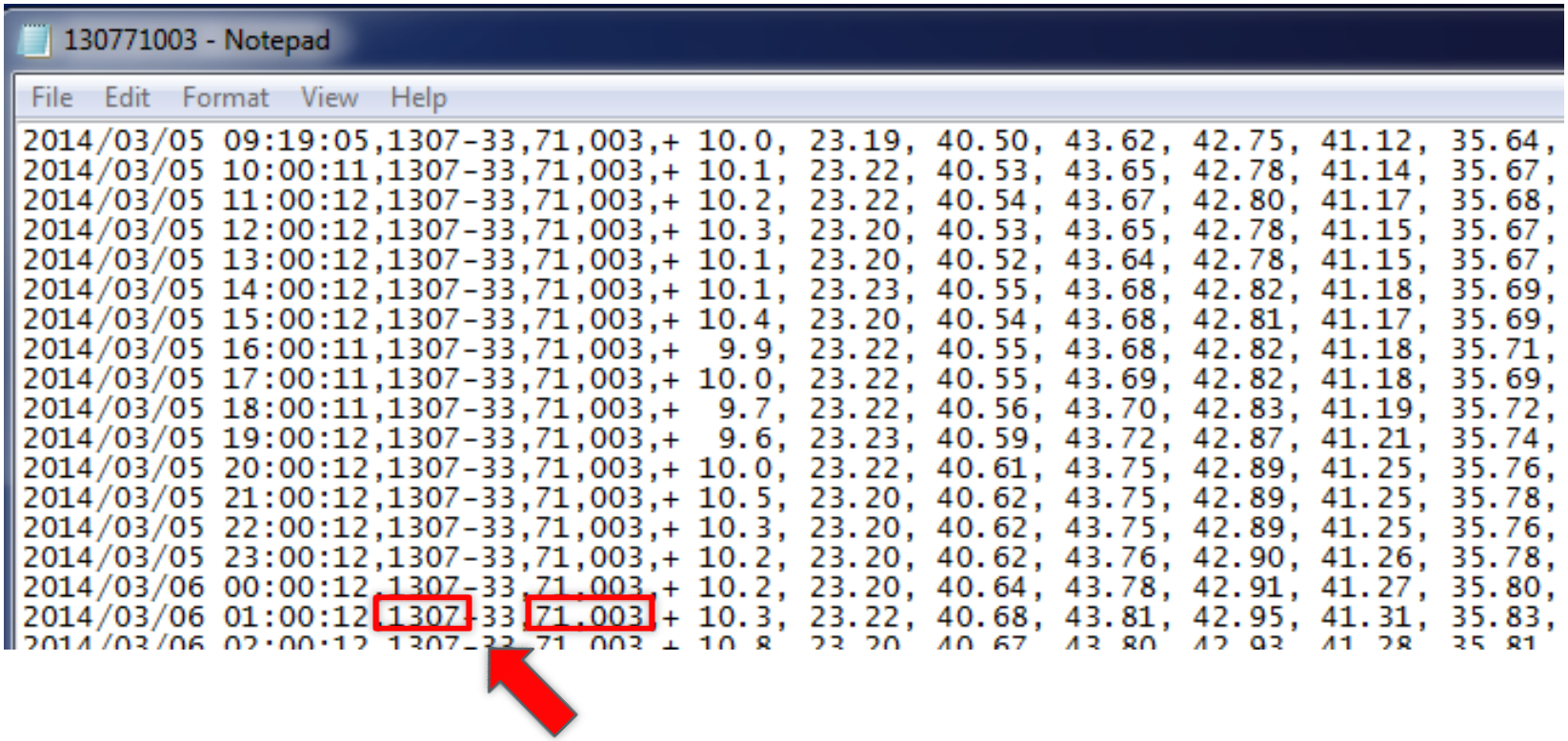
Open
Minescope dEXTO



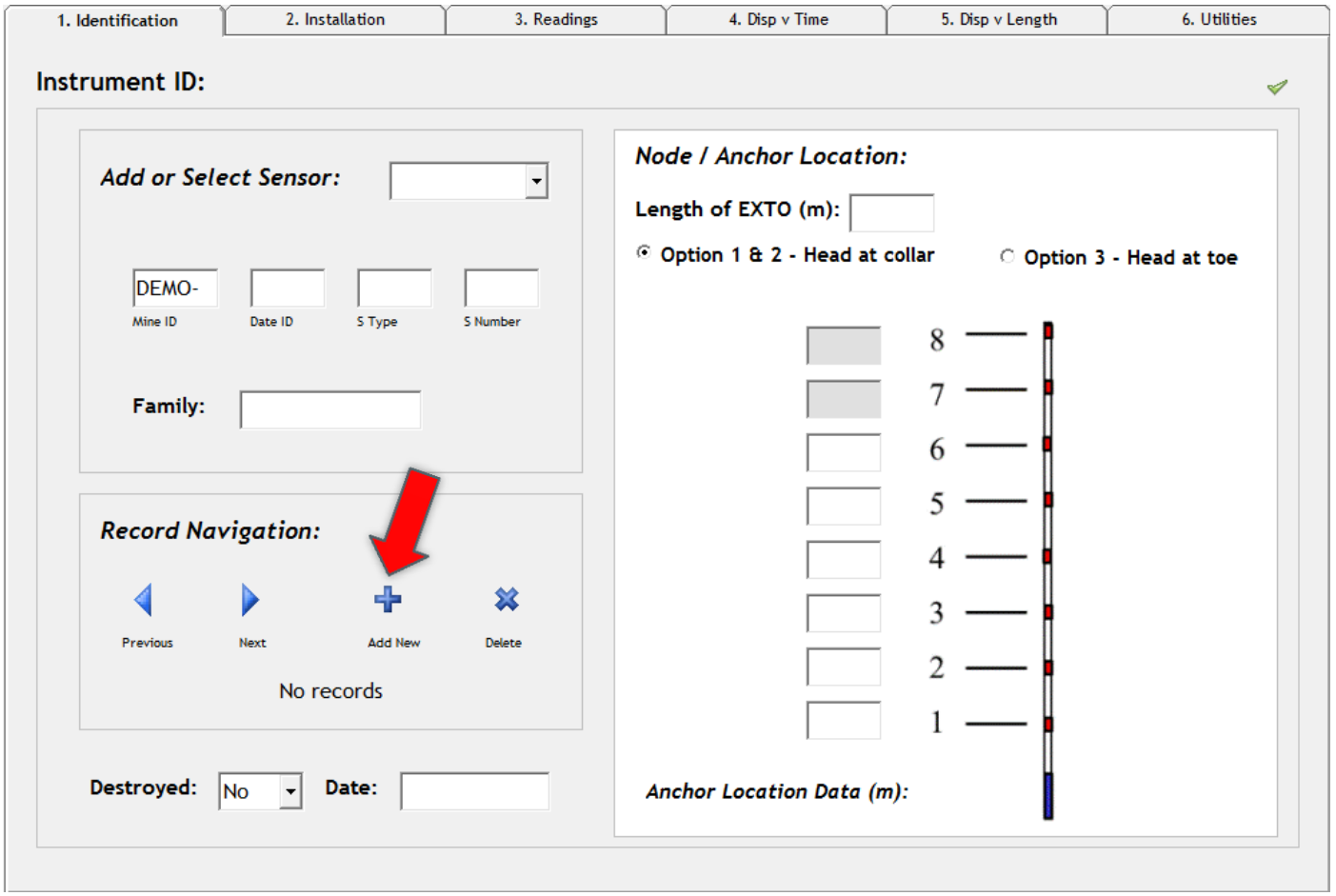
Select your Data File extracted from your d4LOGGER



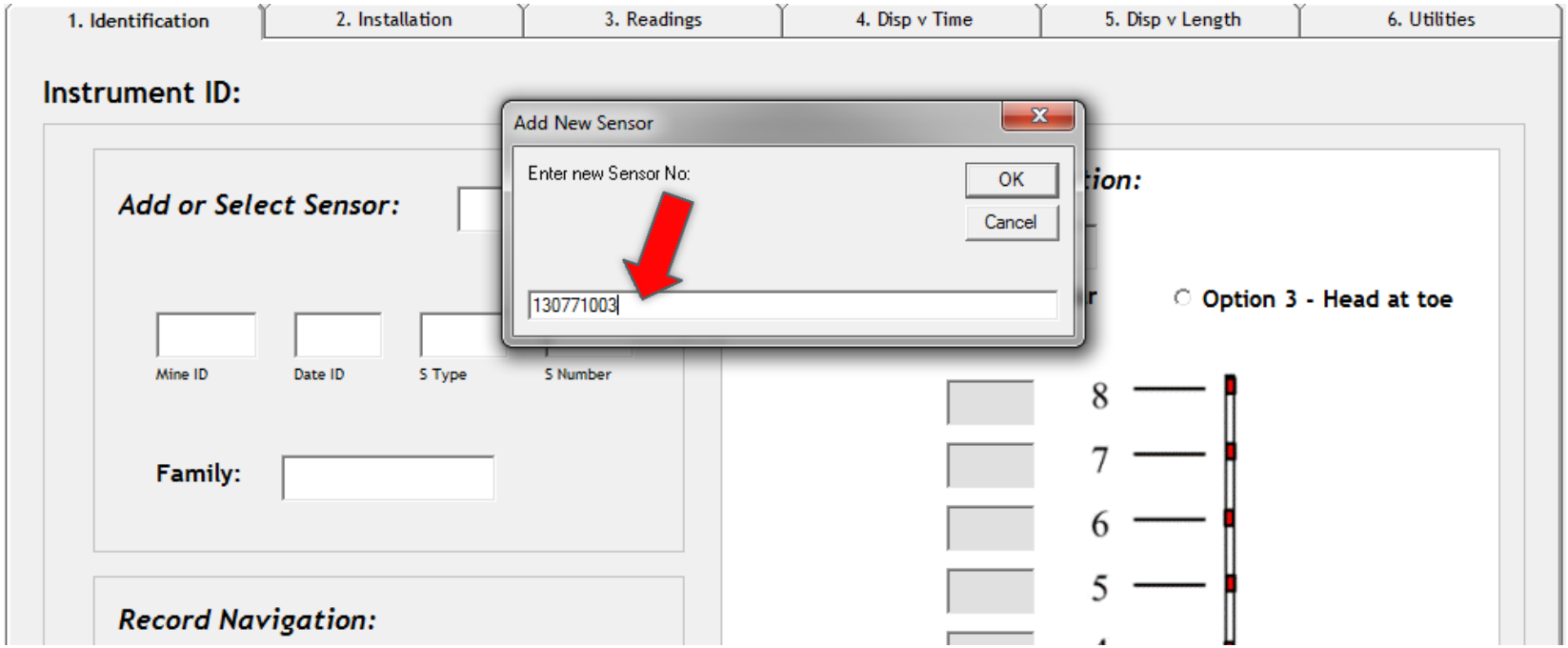
Use this name as your EXTO Instrument Identification



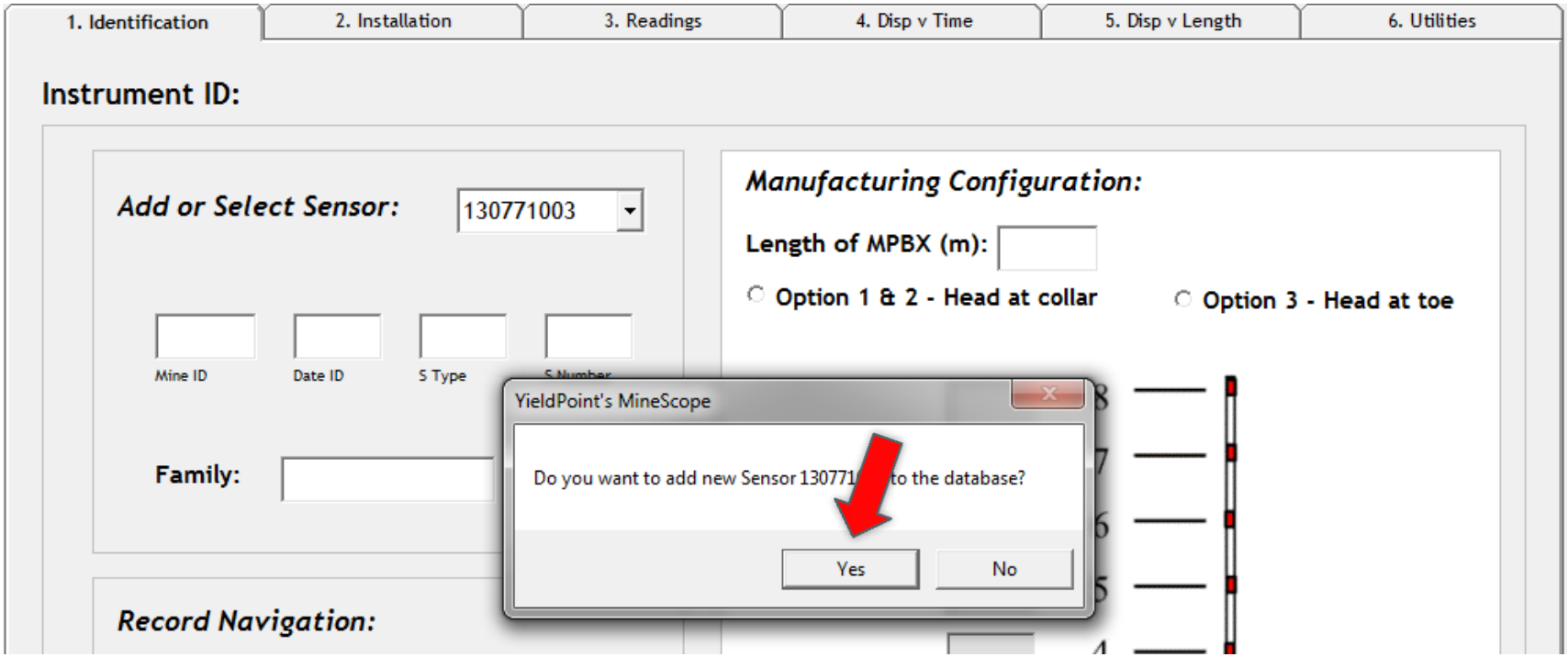
Open Minescope and *Add New* Instrument



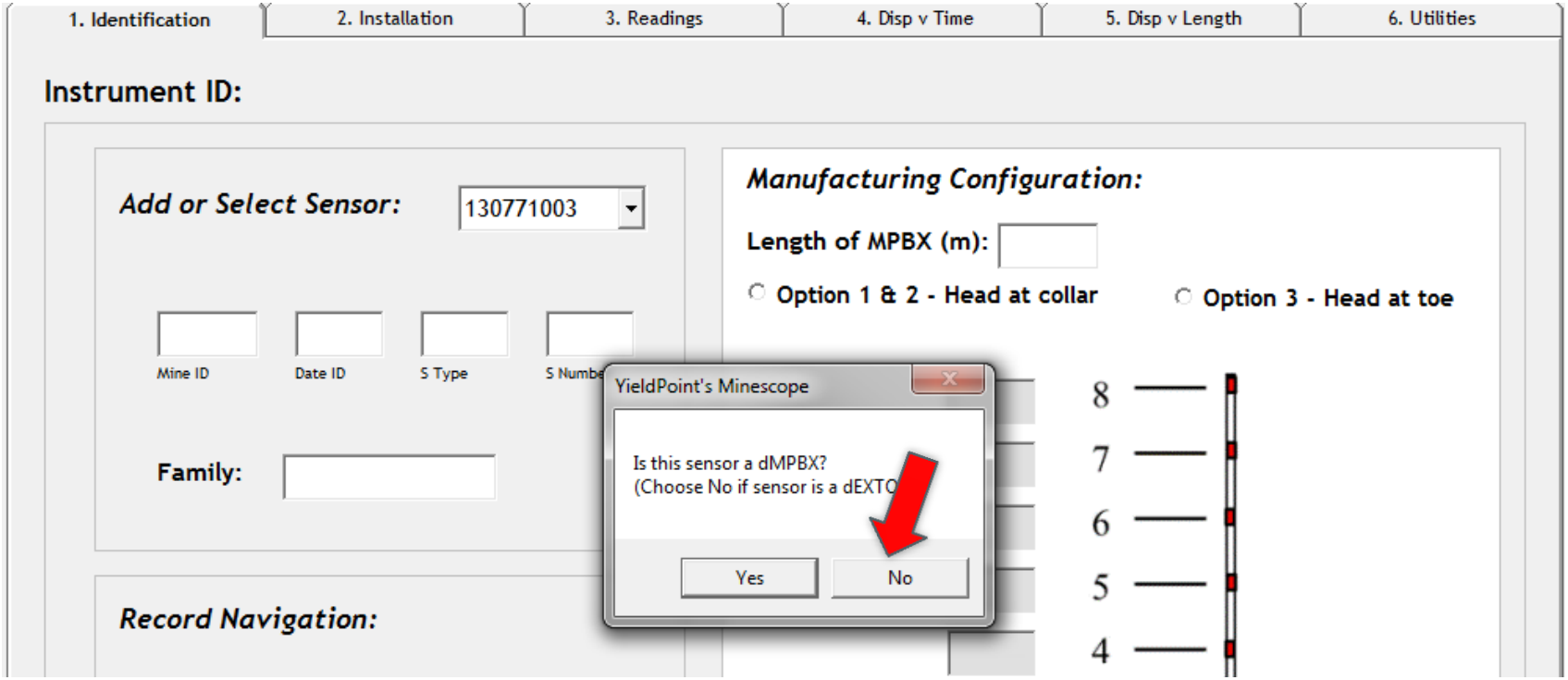
Create the New Sensor ID Number



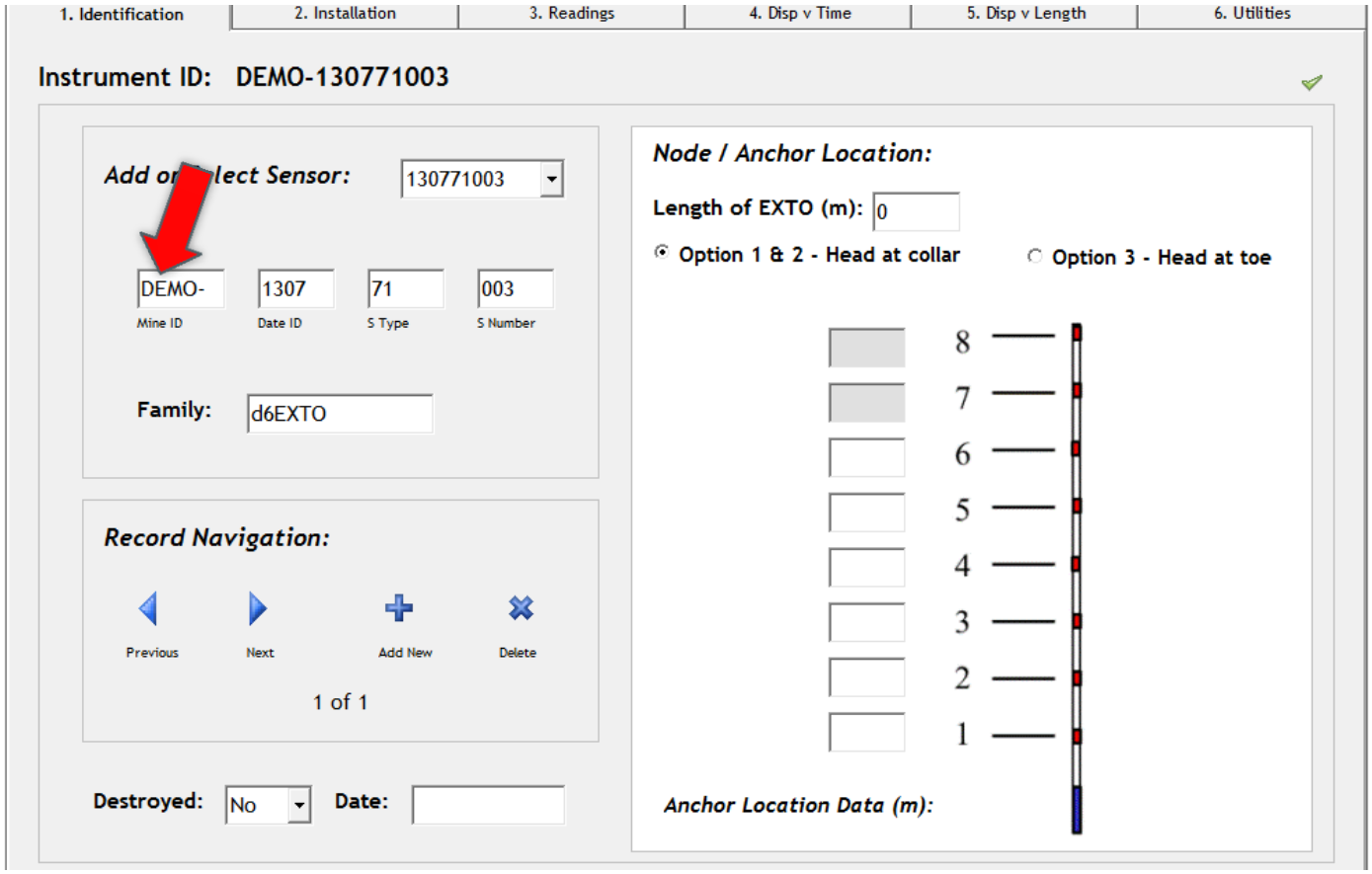
Confirm the creation of the new Sensor



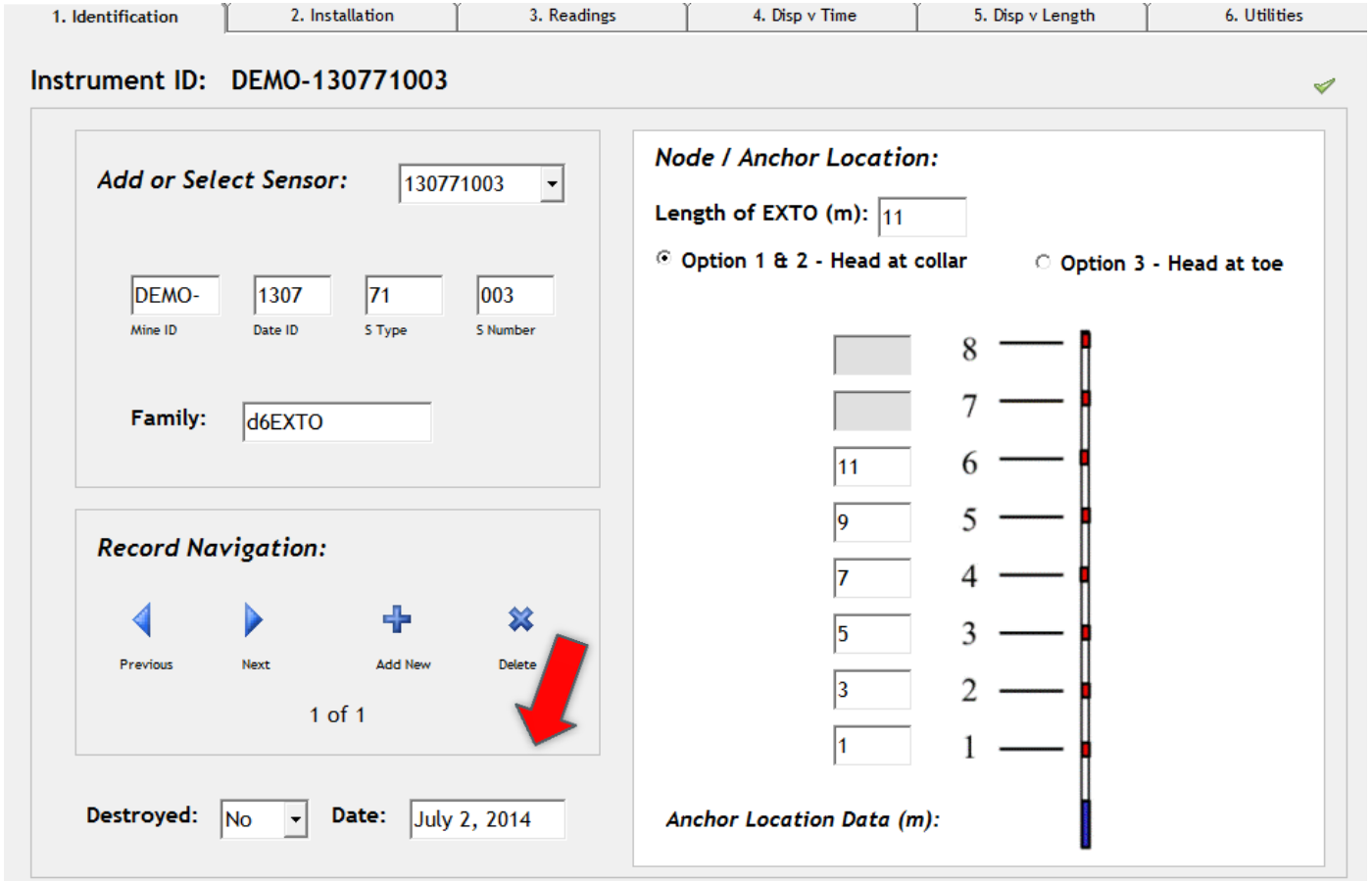
Select *NO* as you are using a dEXTO



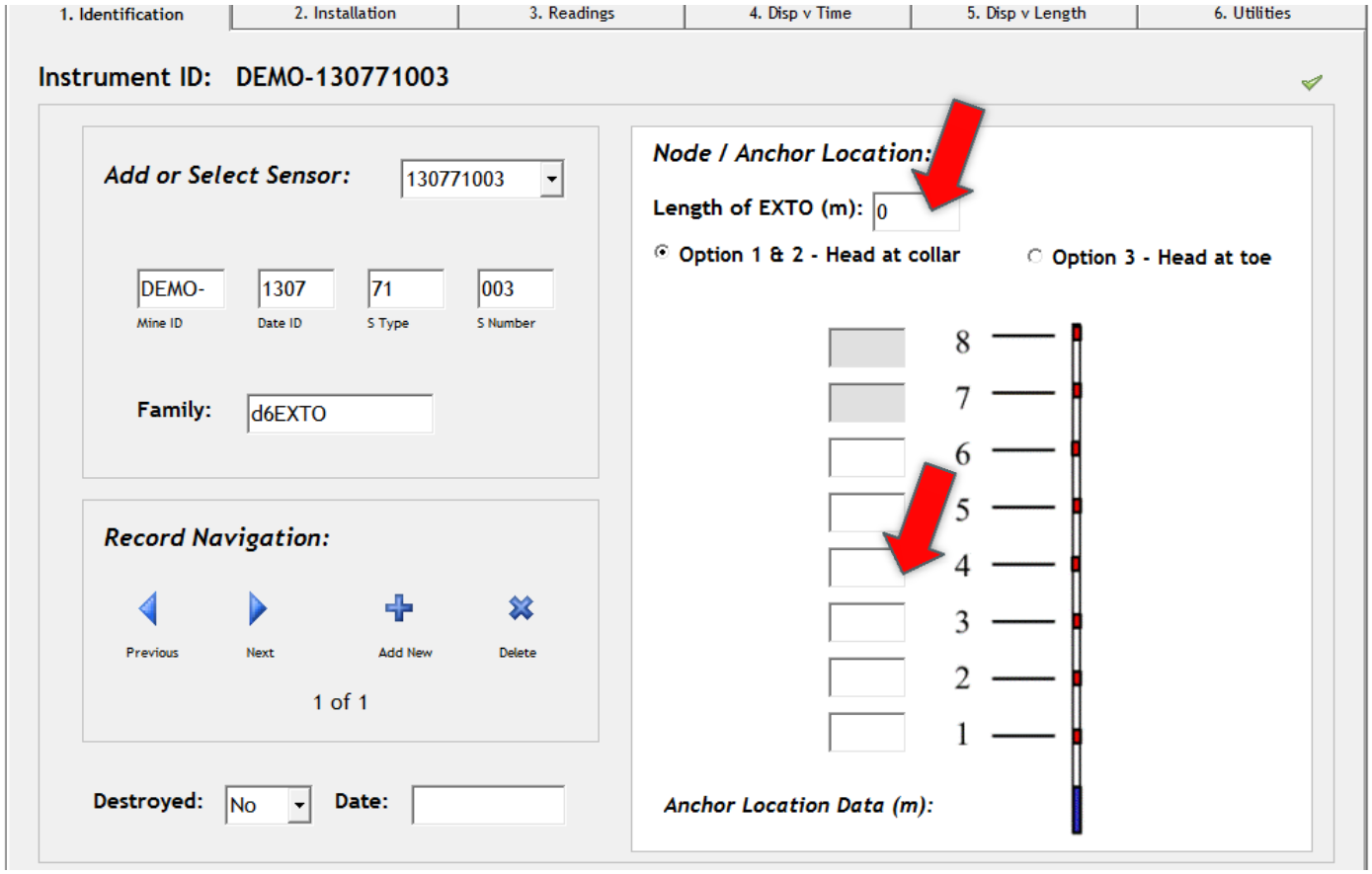
Enter the Mine ID



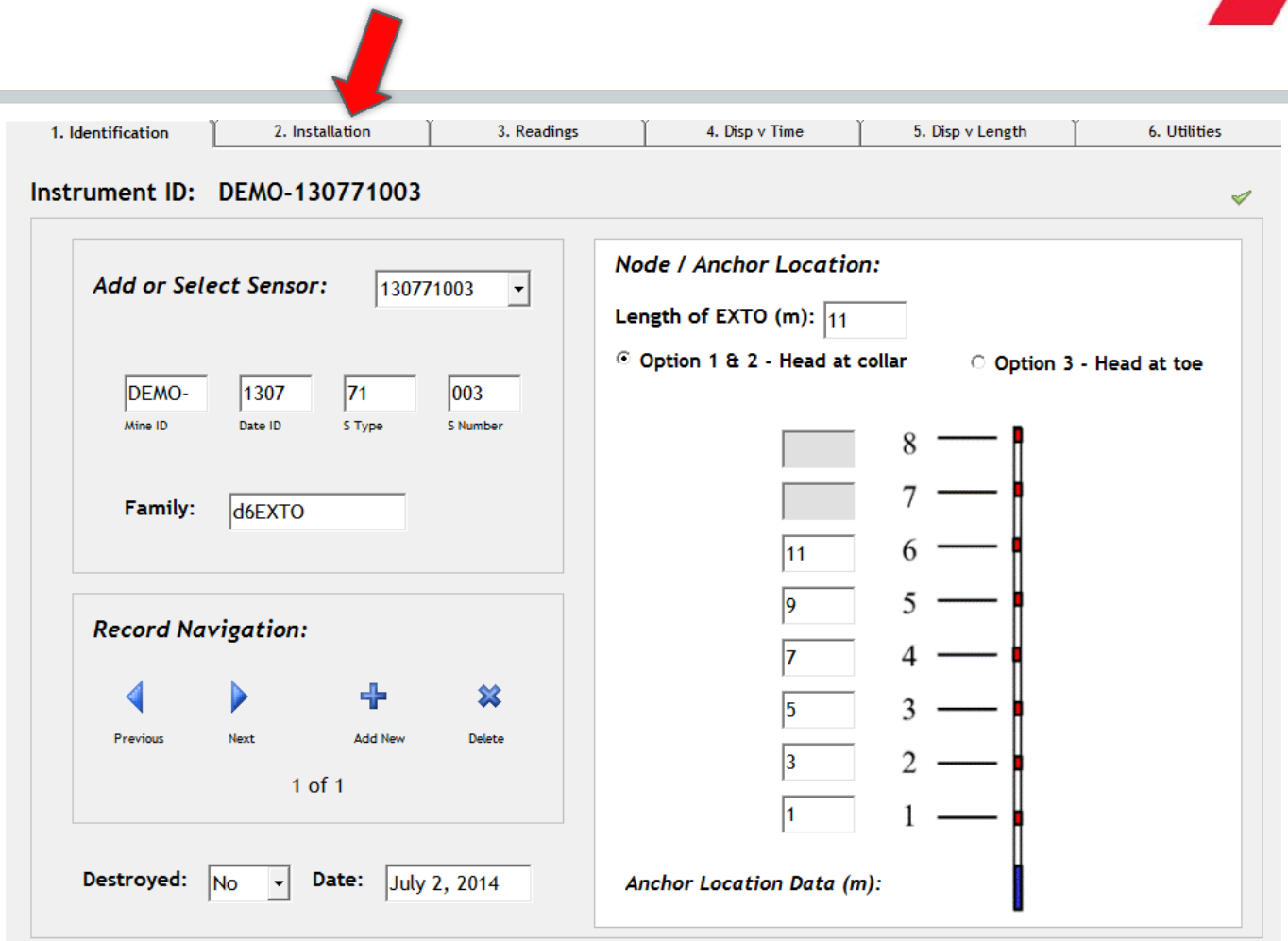
Enter the Date



Enter EXTO dimension



Go to *Installation Tab*



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

1. Identification | 2. Installation | 3. Readings | 4. Disp v Time | 5. Disp v Length | 6. Utilities

Instrument ID: DEMO-130771003

Installation:

Level: 460m

Location: Intersection

Borehole: #4

Install Date: 2014/07/02

Installed By: Manuel

Purpose: Roof monitoring

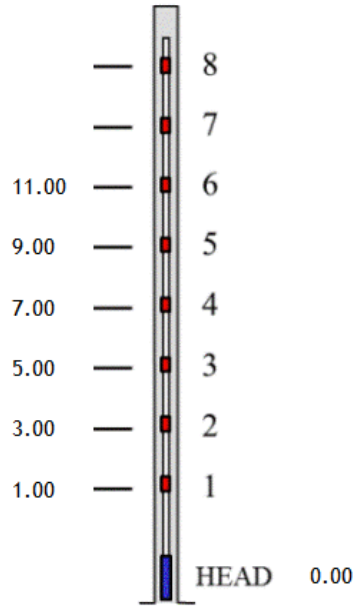
Notes: Hourly readings

Save Changes

0 **m recess**

Option 1 and 2 - Head at Borehole Collar

Anchor Location Relative to Roof Line (m):



Save File

1. Identification | 2. Installation | 3. Readings | 4. Disp v Time | 5. Disp v Length | 6. Utilities

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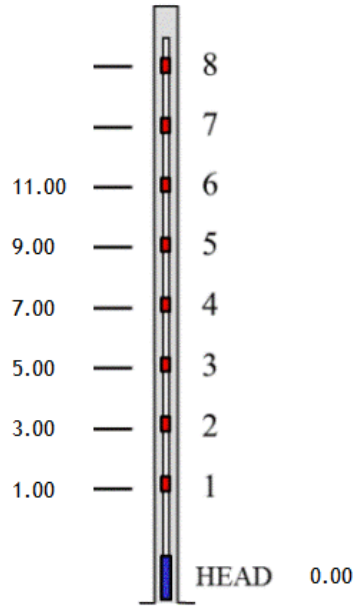
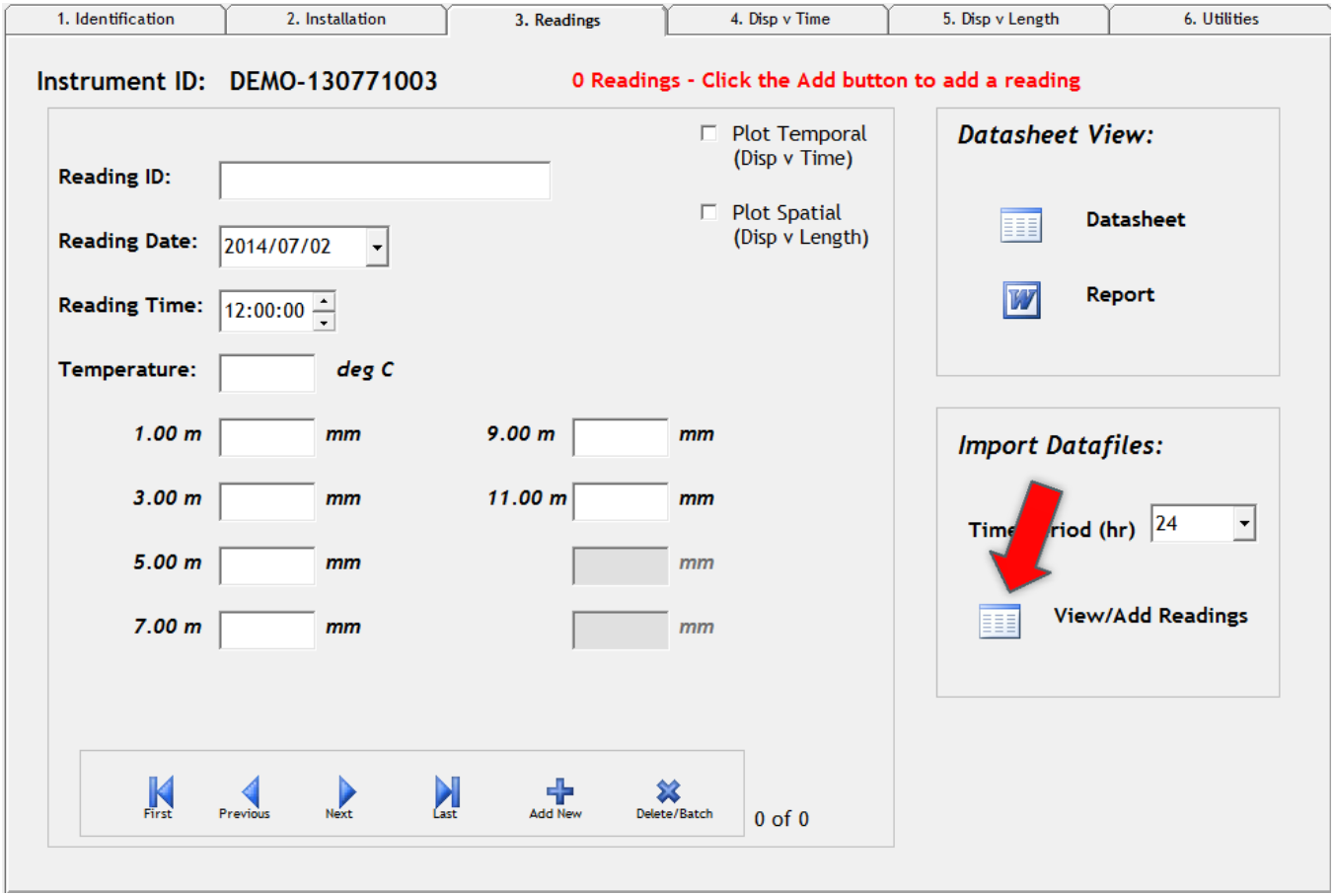
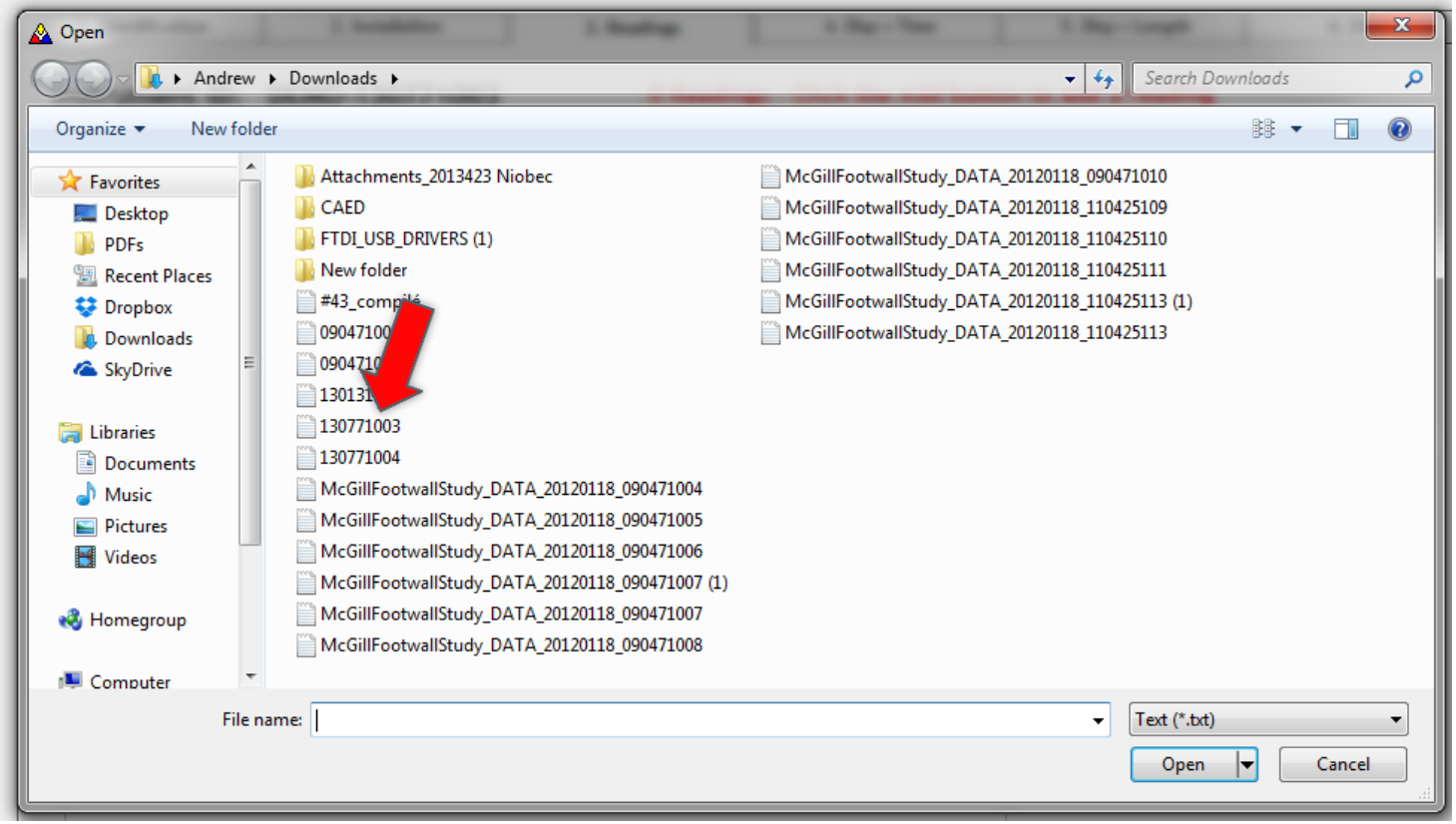


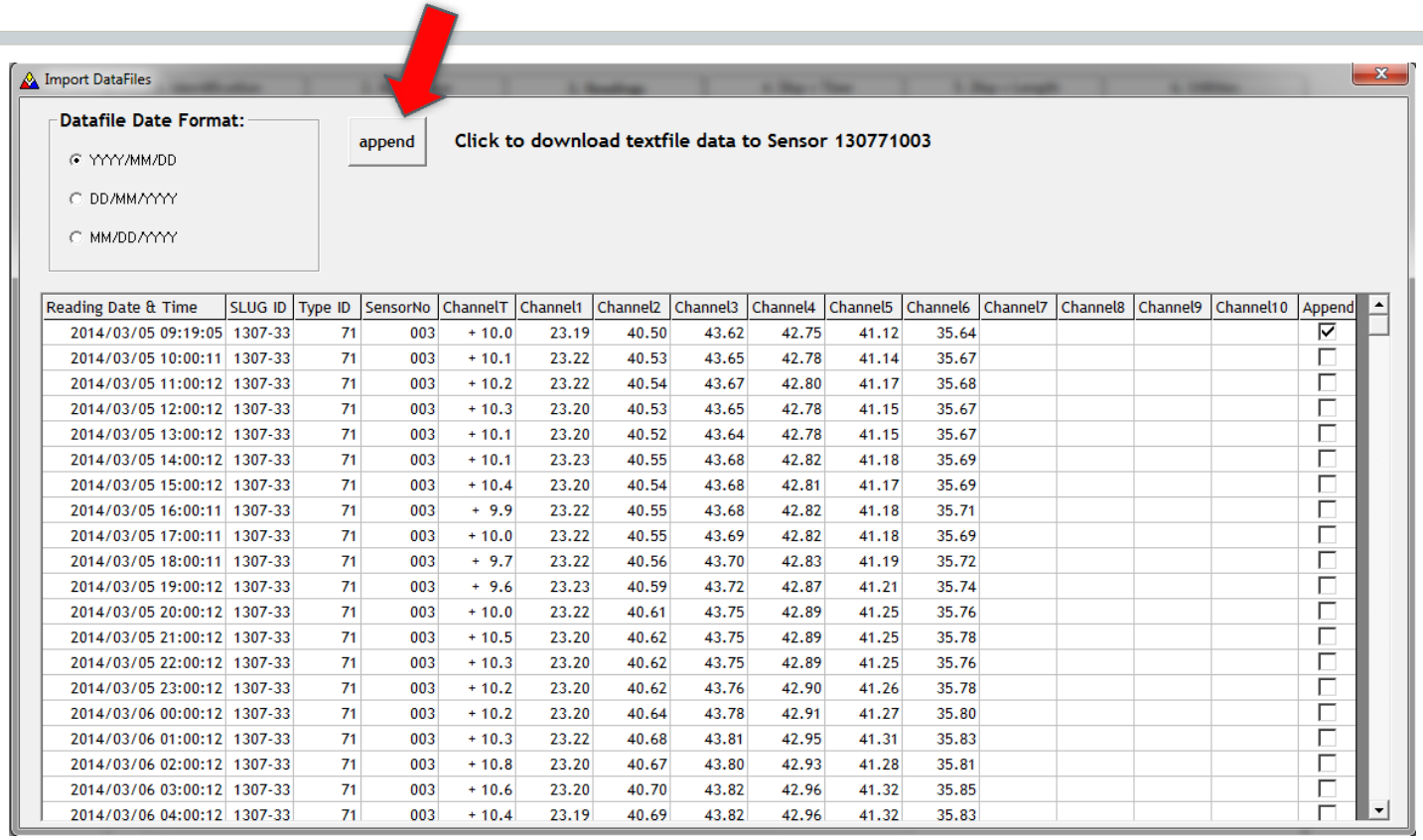
Import Data File



Select Data File to Import

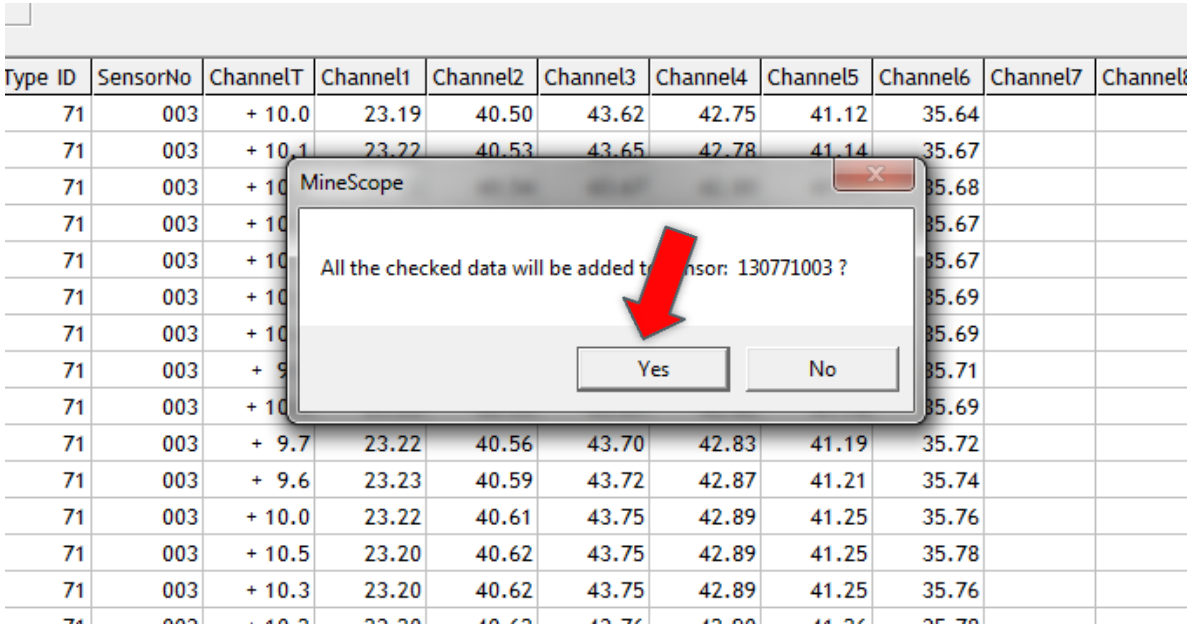


Append Data File



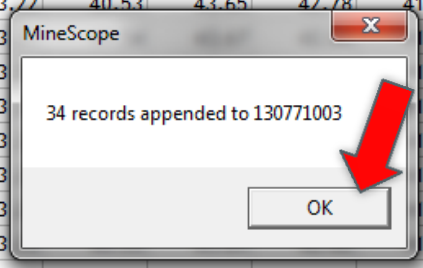
Reading Date & Time	SLUG ID	Type ID	SensorNo	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8	Channel9	Channel10	Append
2014/03/05 09:19:05	1307-33	71	003	+ 10.0	23.19	40.50	43.62	42.75	41.12	35.64					☑
2014/03/05 10:00:11	1307-33	71	003	+ 10.1	23.22	40.53	43.65	42.78	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					☐
2014/03/06 04:00:12	1307-33	71	003	+ 10.4	23.19	40.69	43.82	42.96	41.32	35.83					☐

Confirm Import of Data File

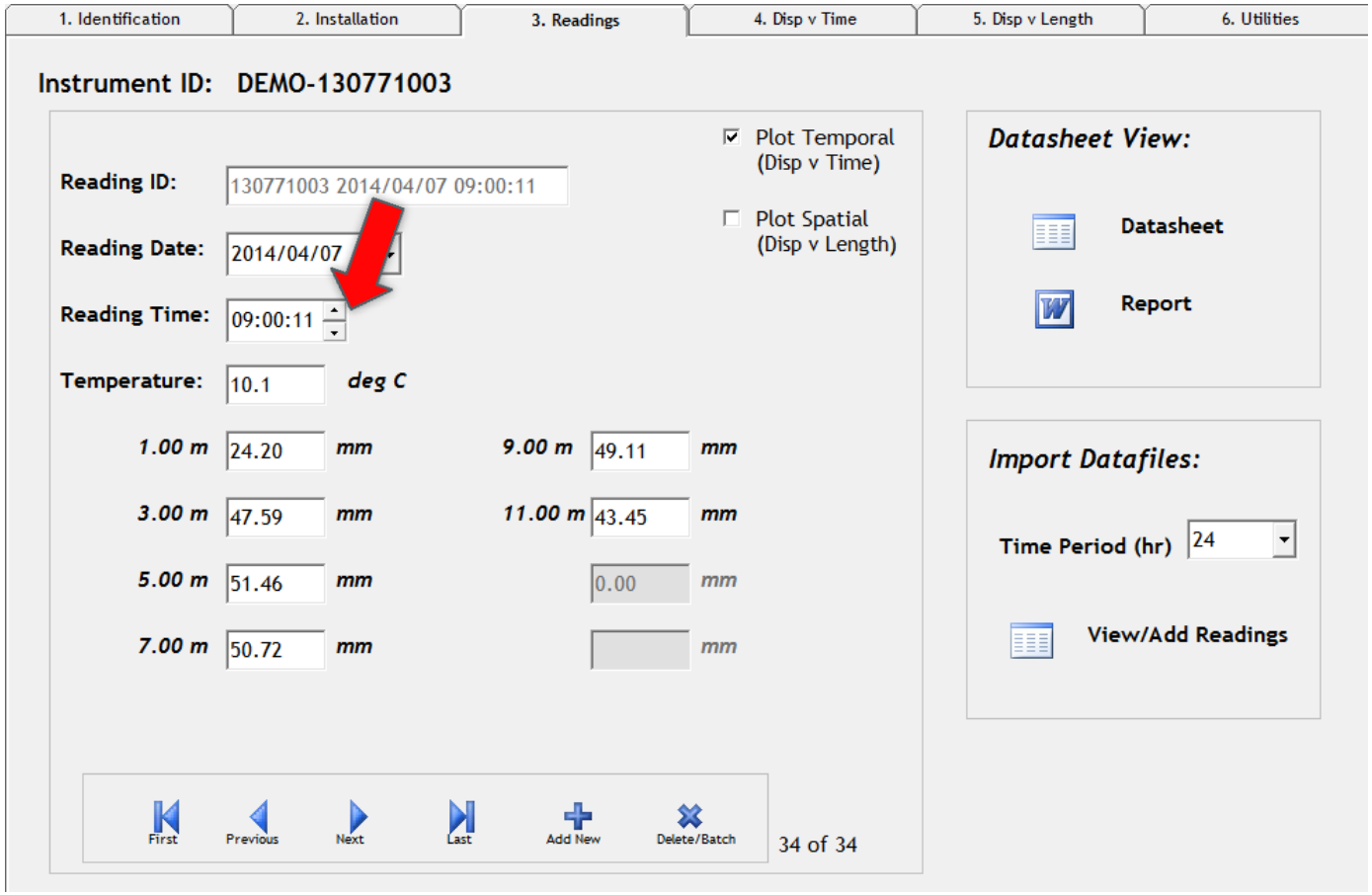


Minescope indicates how many Records are appended

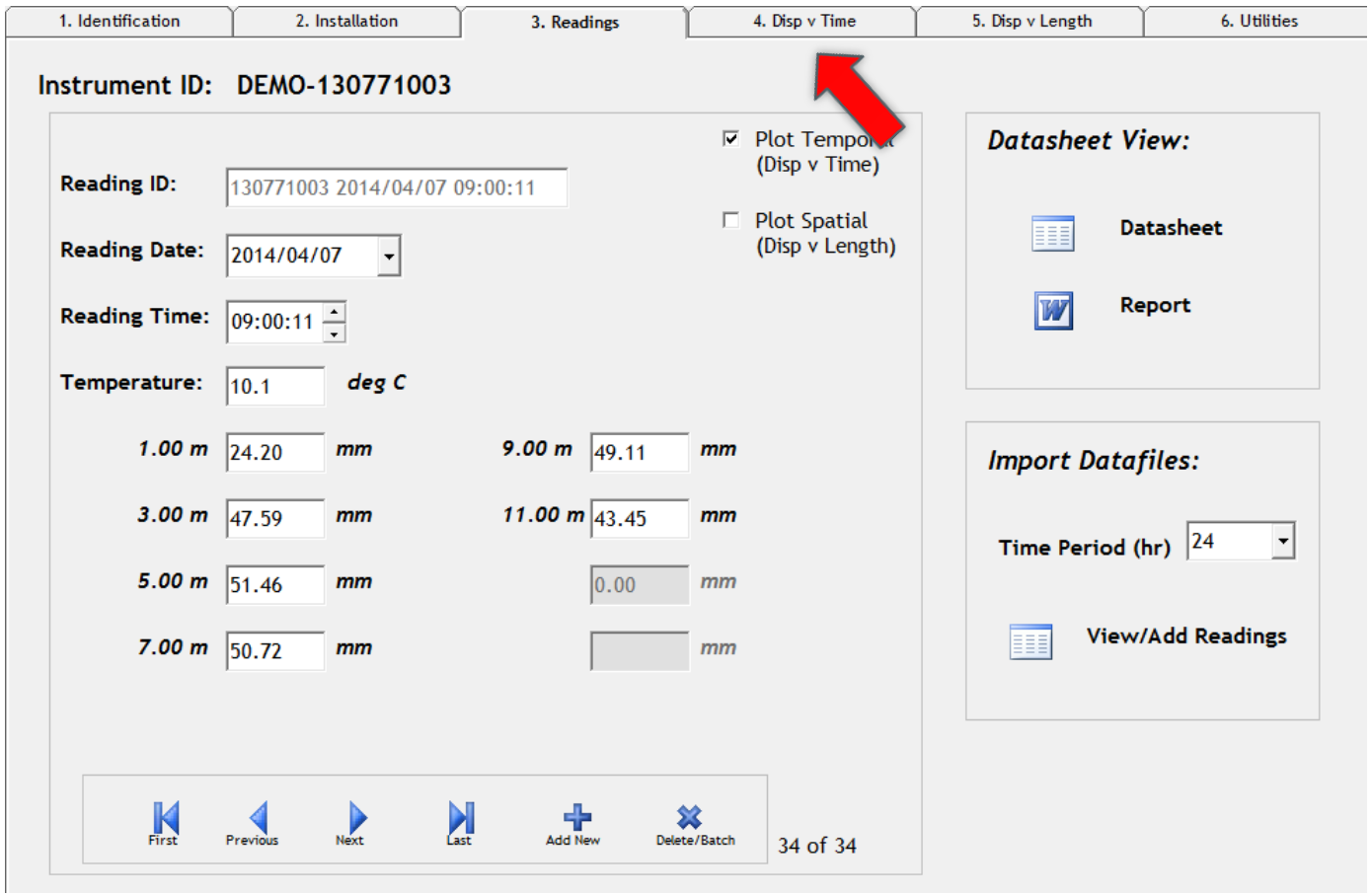
e	SLUG ID	Type ID	SensorNo	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8	Channel9	Channel10
9:05	1307-33	71	003	+ 10.0	23.19	40.50	43.62	42.75	41.12	35.64				
0:11	1307-33	71	003	+ 10.1	23.22	40.53	43.65	42.78	41.14	35.67				
0:12	1307-33	71	003	+ 10.2	23				.17	35.68				
0:12	1307-33	71	003	+ 10.3	23				.15	35.67				
0:12	1307-33	71	003	+ 10.1	23				.15	35.67				
0:12	1307-33	71	003	+ 10.1	23				.18	35.69				
0:12	1307-33	71	003	+ 10.4	23				.17	35.69				
0:11	1307-33	71	003	+ 9.9	23				.18	35.71				
0:11	1307-33	71	003	+ 10.0	23				.18	35.69				
0:11	1307-33	71	003	+ 9.7	23.22	40.56	43.70	42.83	41.19	35.72				
0:12	1307-33	71	003	+ 9.6	23.23	40.59	43.72	42.87	41.21	35.74				
0:12	1307-33	71	003	+ 10.0	23.22	40.61	43.75	42.89	41.25	35.76				
0:12	1307-33	71	003	+ 10.5	23.20	40.62	43.75	42.89	41.25	35.78				
0:12	1307-33	71	003	+ 10.3	23.20	40.62	43.75	42.89	41.25	35.76				



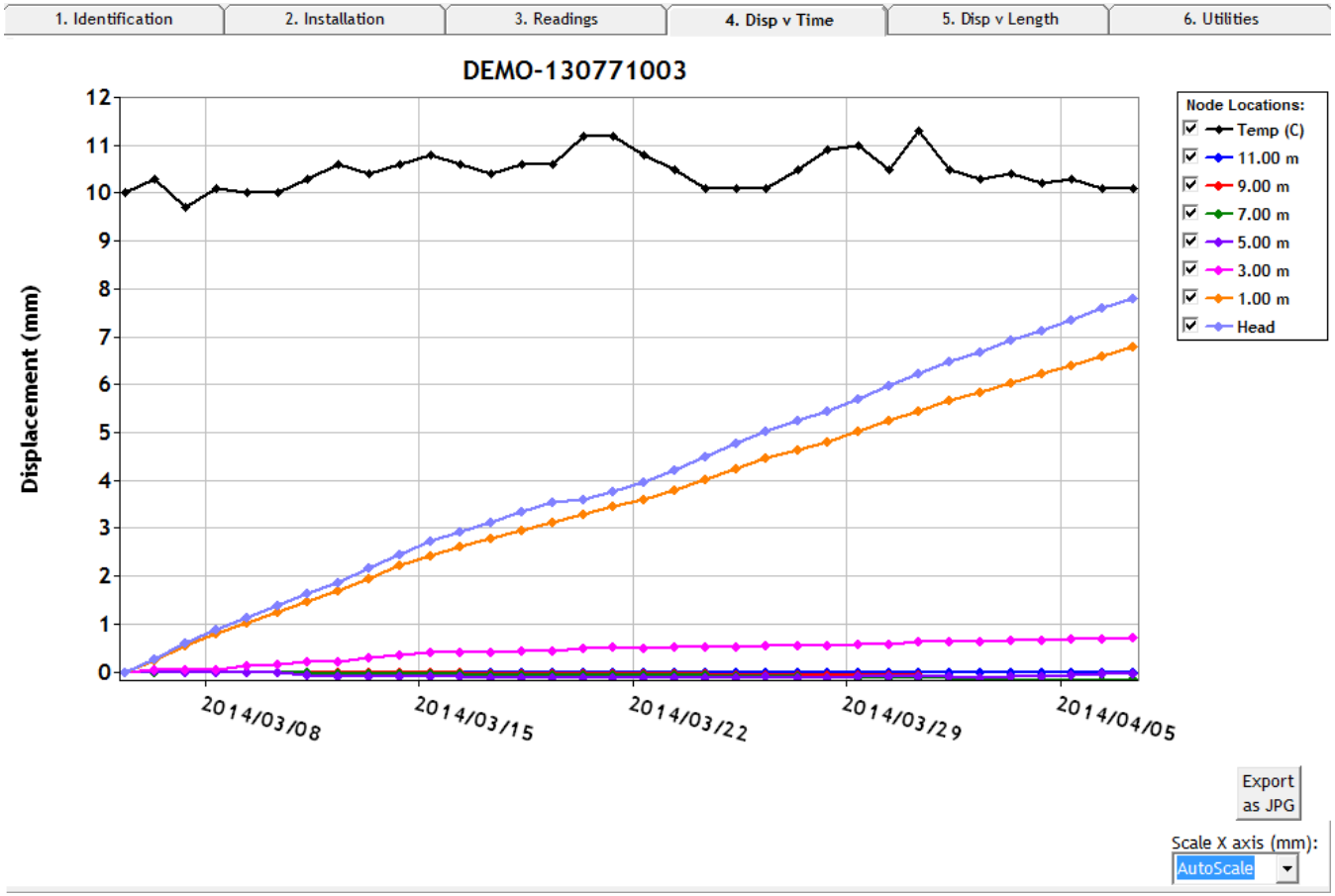
Minescope shows the first reading and its Date and Time



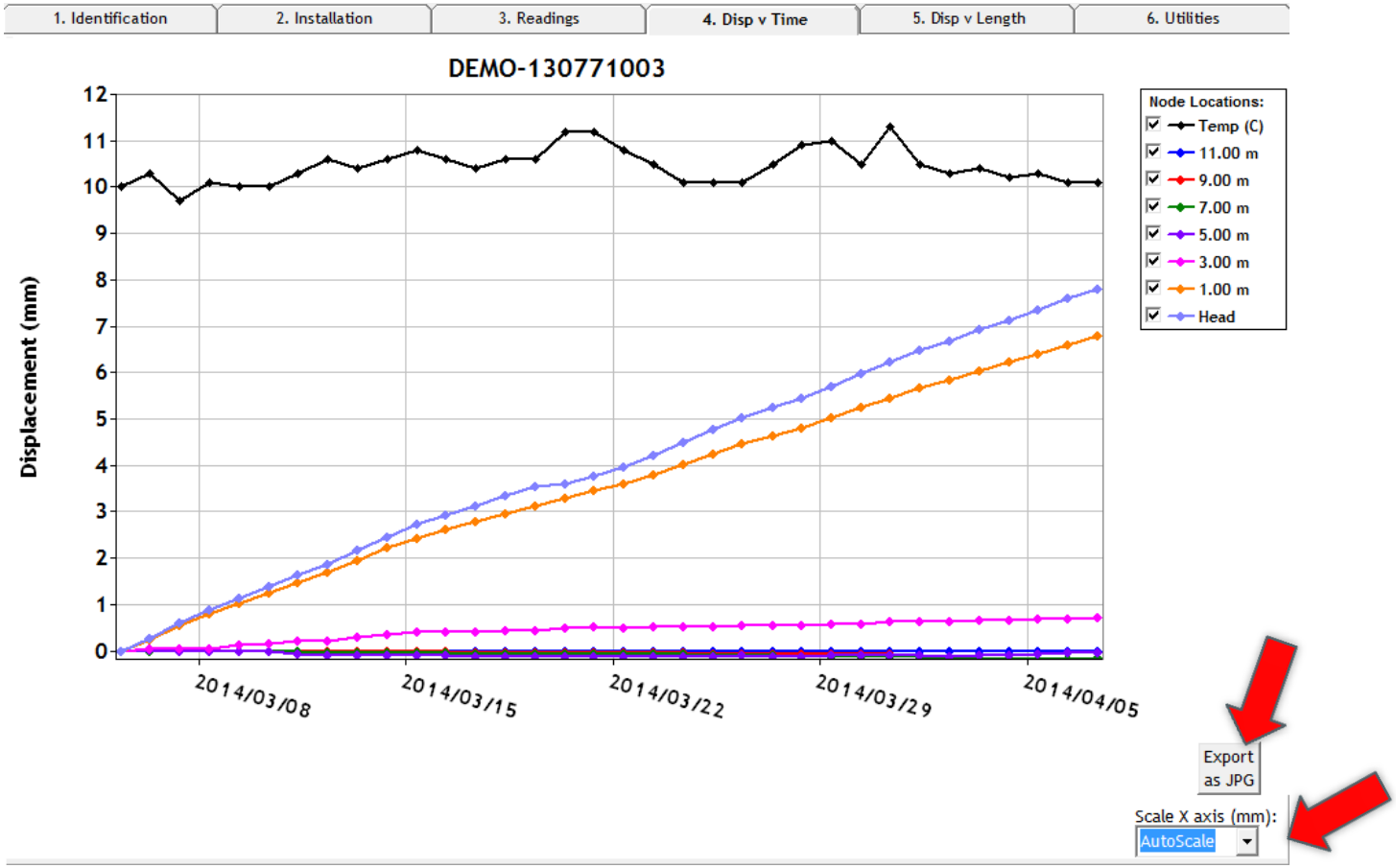
Look up *Displacement vs. Time*



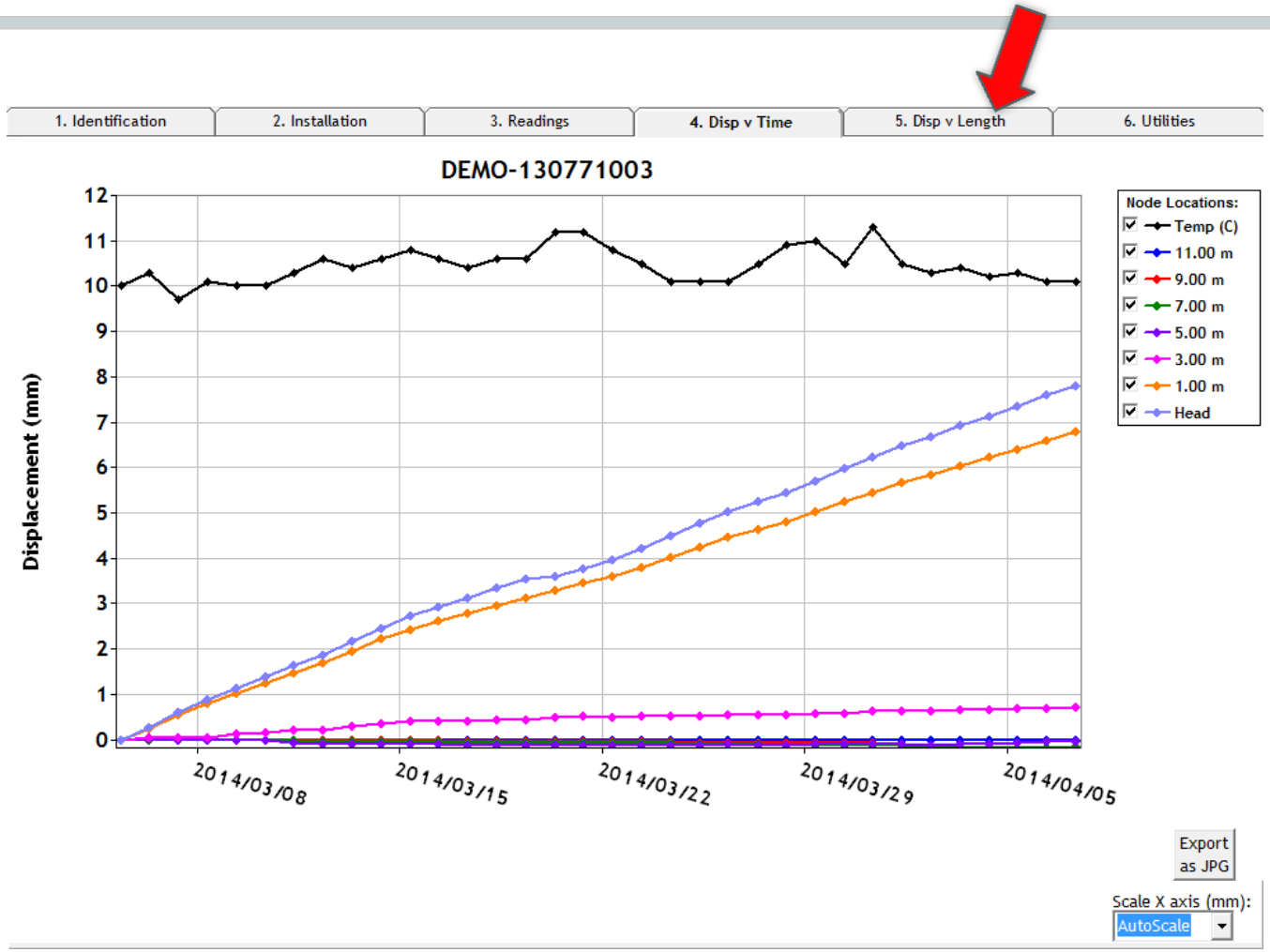
Displacement vs. Time Graph



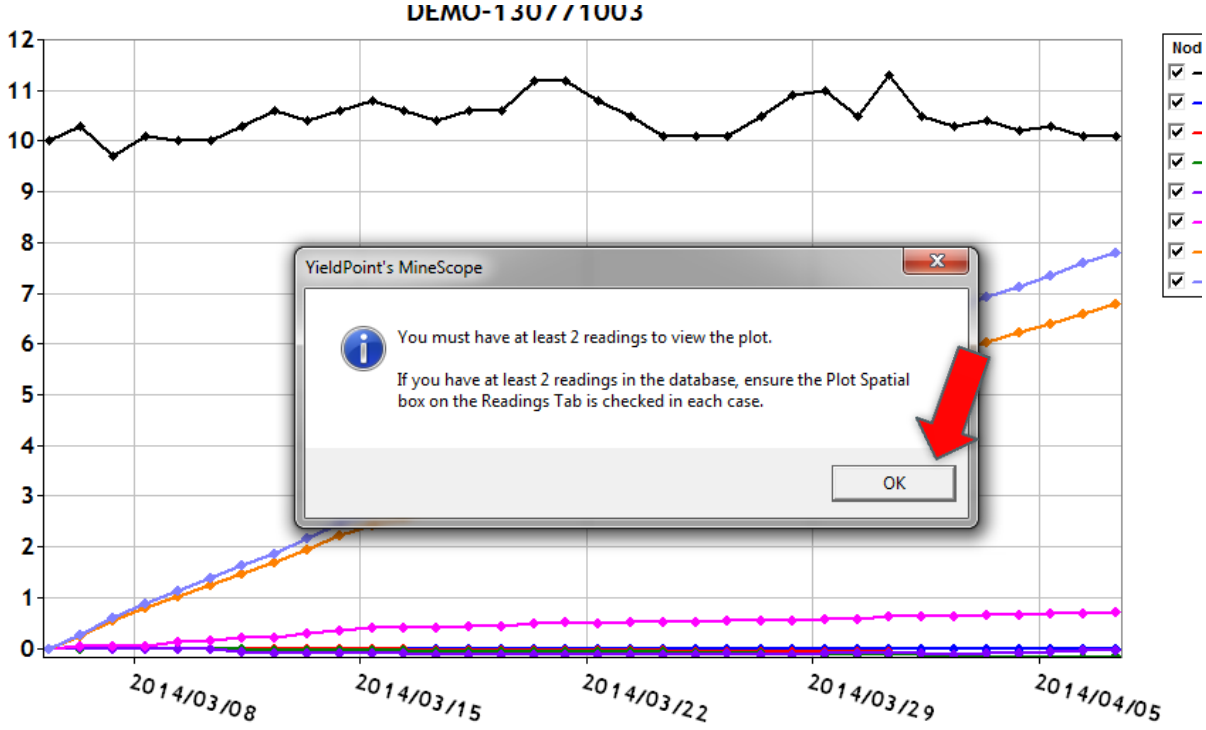
Graph can be exported as .JPG, X axis can be scaled



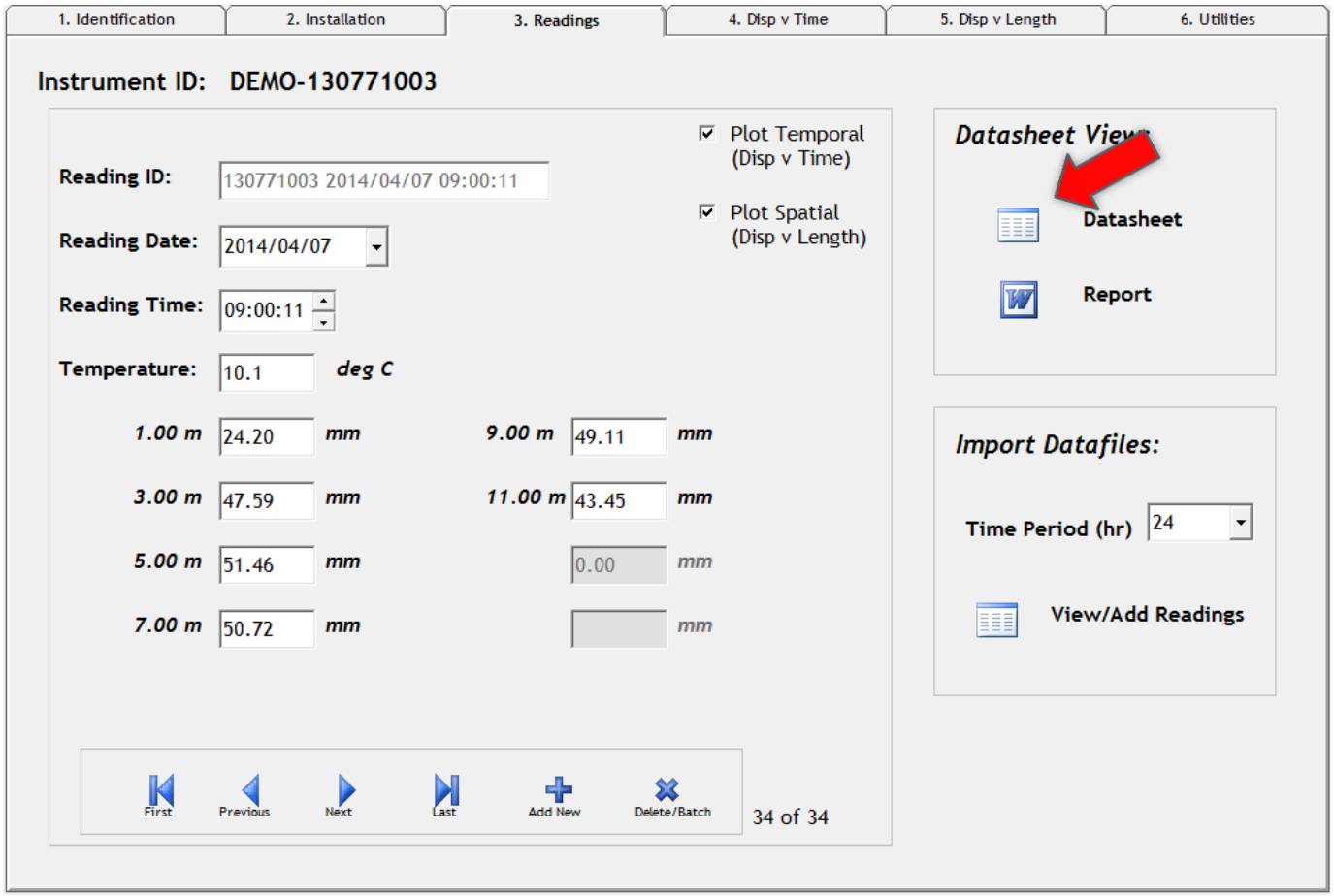
Looking up *Displacement vs. Length*



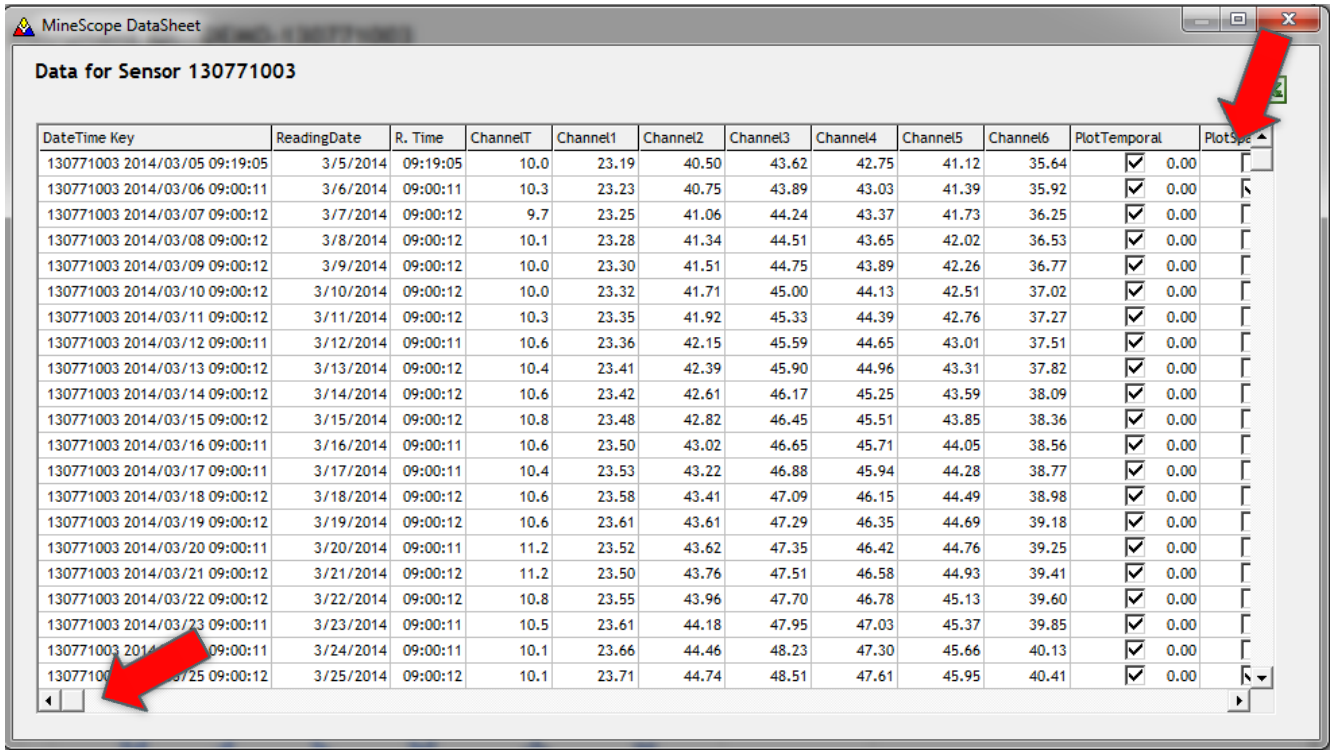
Enter 2 to 4 Readings first



Open Data Sheet

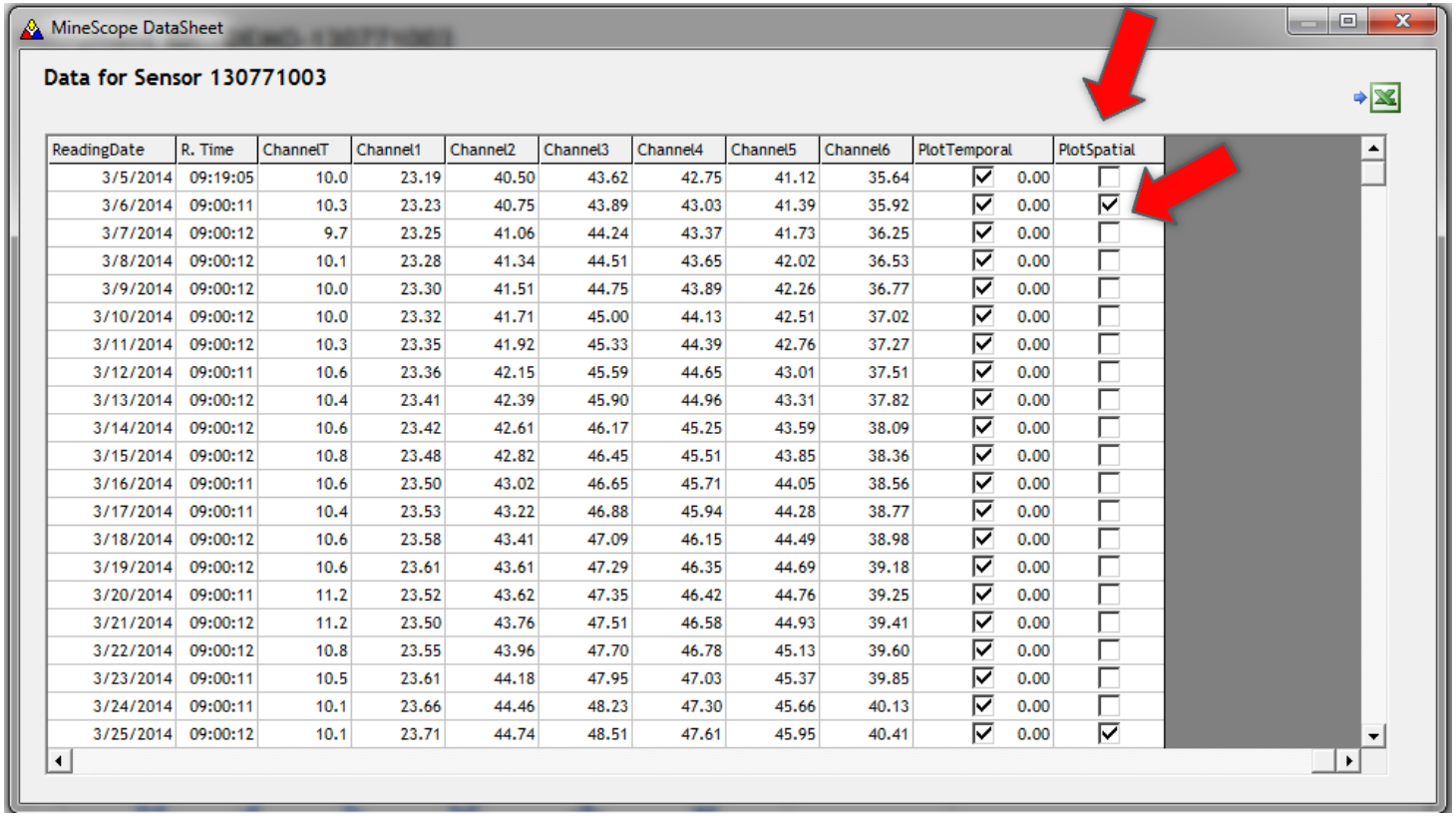


Scroll to the right to display *Plot Spatial*



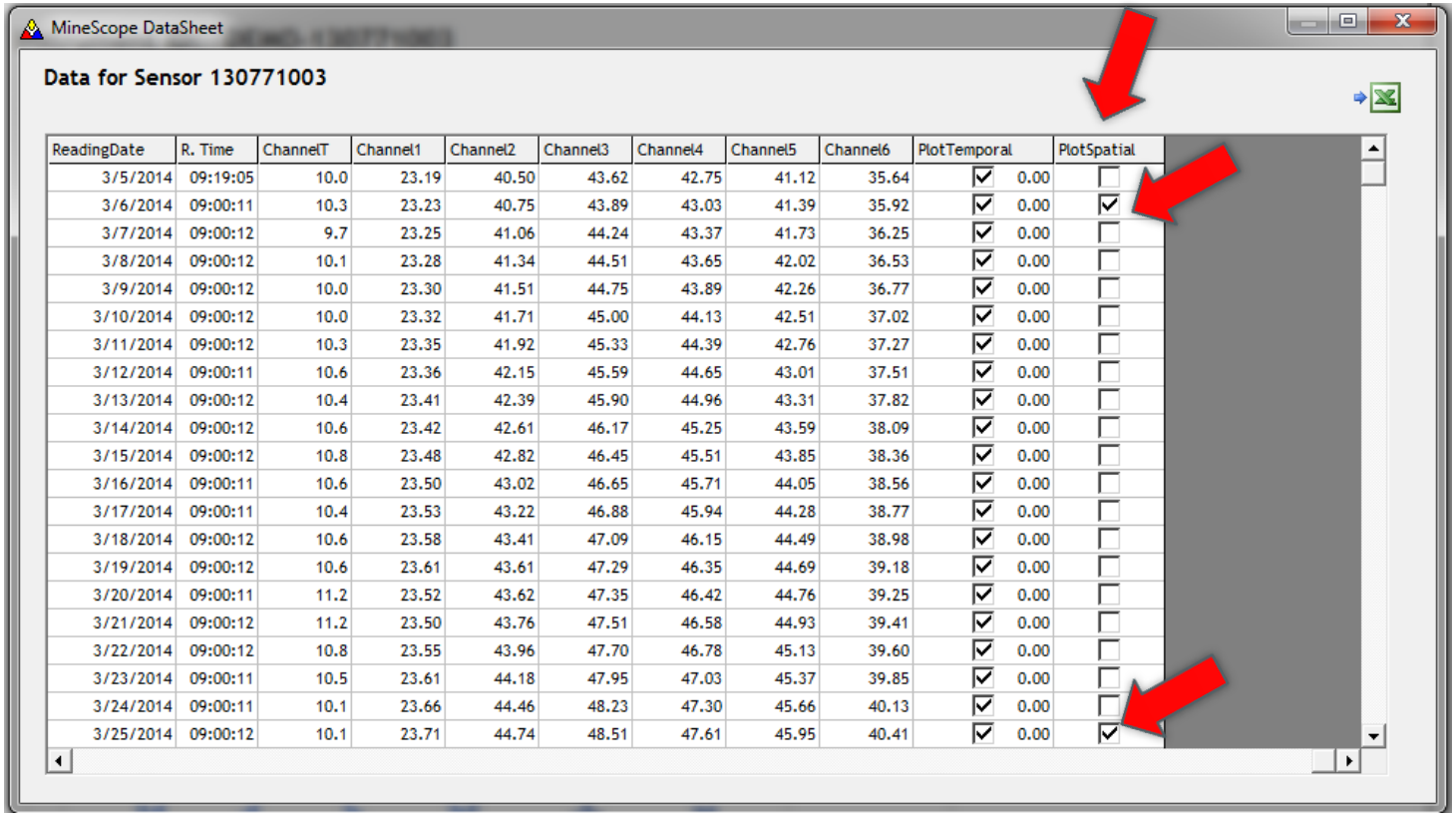
DateTime Key	ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTemporal	PlotSpa
130771003 2014/03/05 09:19:05	3/5/2014	09:19:05	10.0	23.19	40.50	43.62	42.75	41.12	35.64	0.00	
130771003 2014/03/06 09:00:11	3/6/2014	09:00:11	10.3	23.23	40.75	43.89	43.03	41.39	35.92	0.00	
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	0.00	
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	0.00	
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	0.00	
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	0.00	
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	0.00	
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	
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	0.00	
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	
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	
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	0.00	
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	0.00	
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	0.00	
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	
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	0.00	
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	0.00	
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	
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	
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	
13077100 /25 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	

Plot Spatial Column is displayed



ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTemporal		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	☑

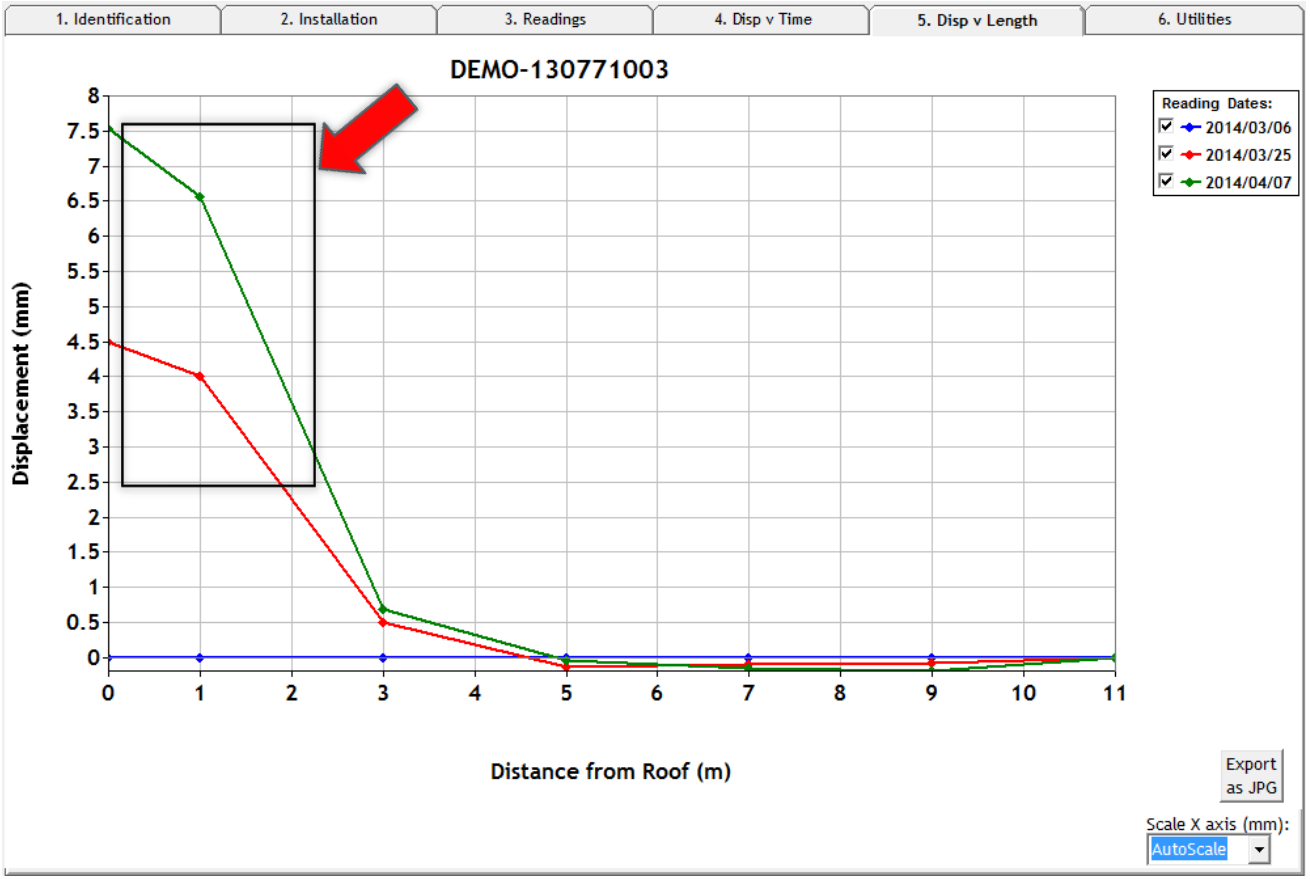
Select the few dates (2 to 4) of interest



ReadingDate	R. Time	ChannelT	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	PlotTemporal		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	☑

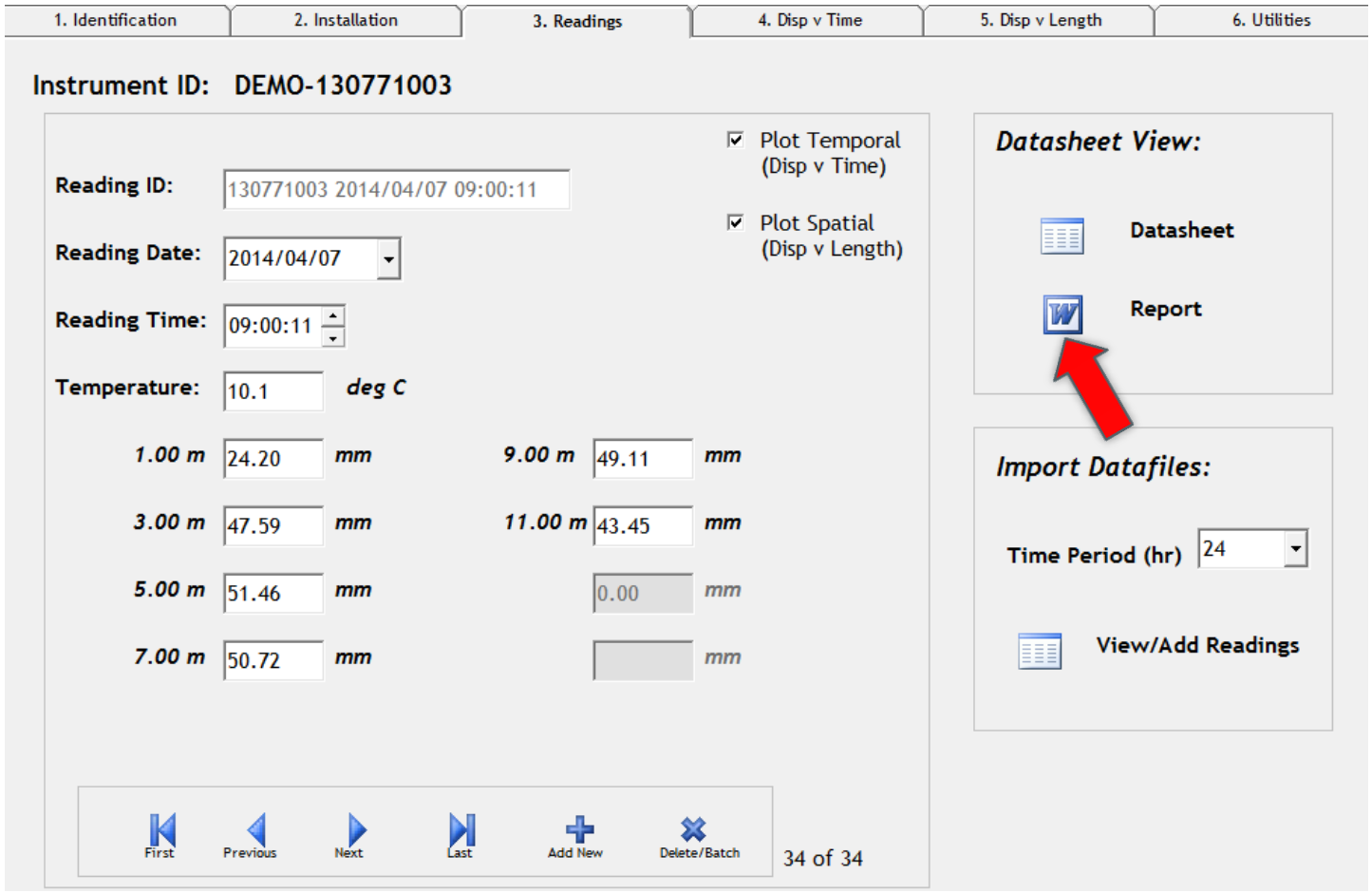
Displacement vs. Length Plot

Use cursor to zoom on a section of the Plot

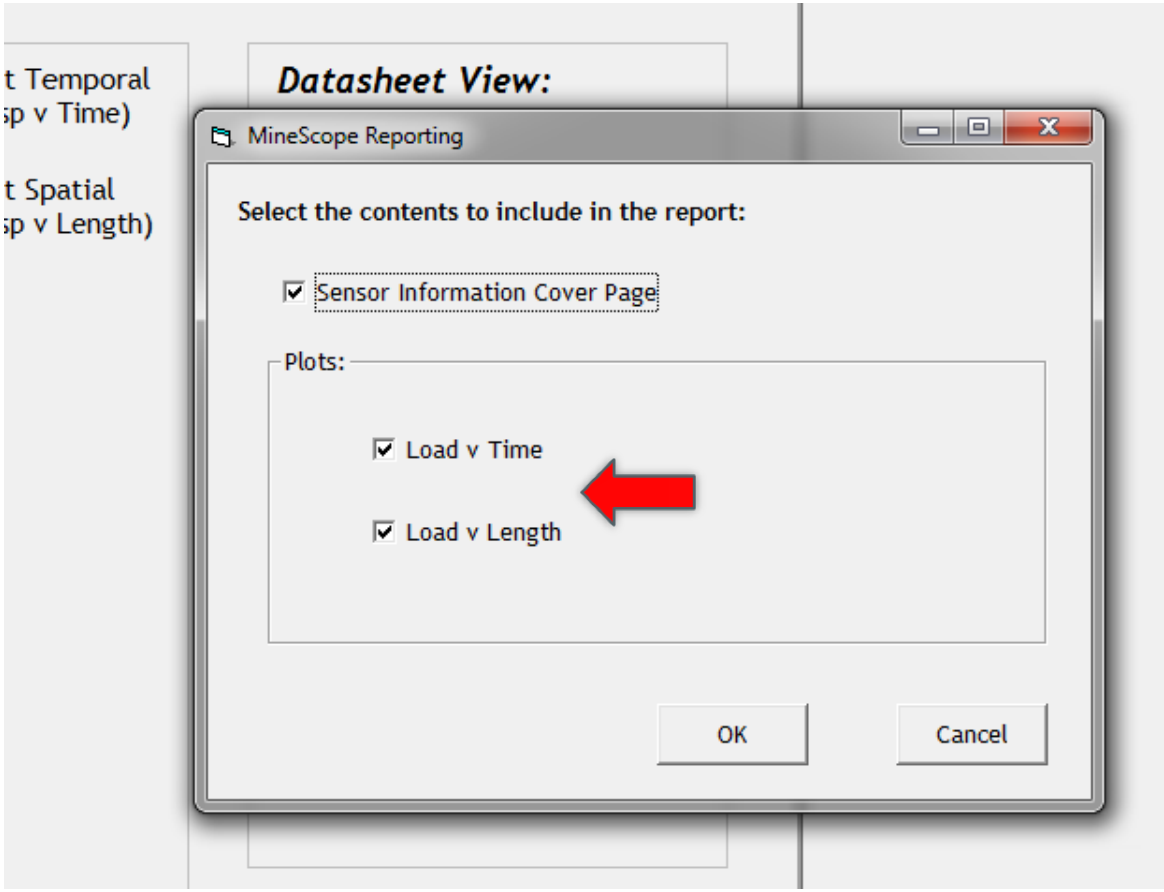


Zoomed-in Plot Section

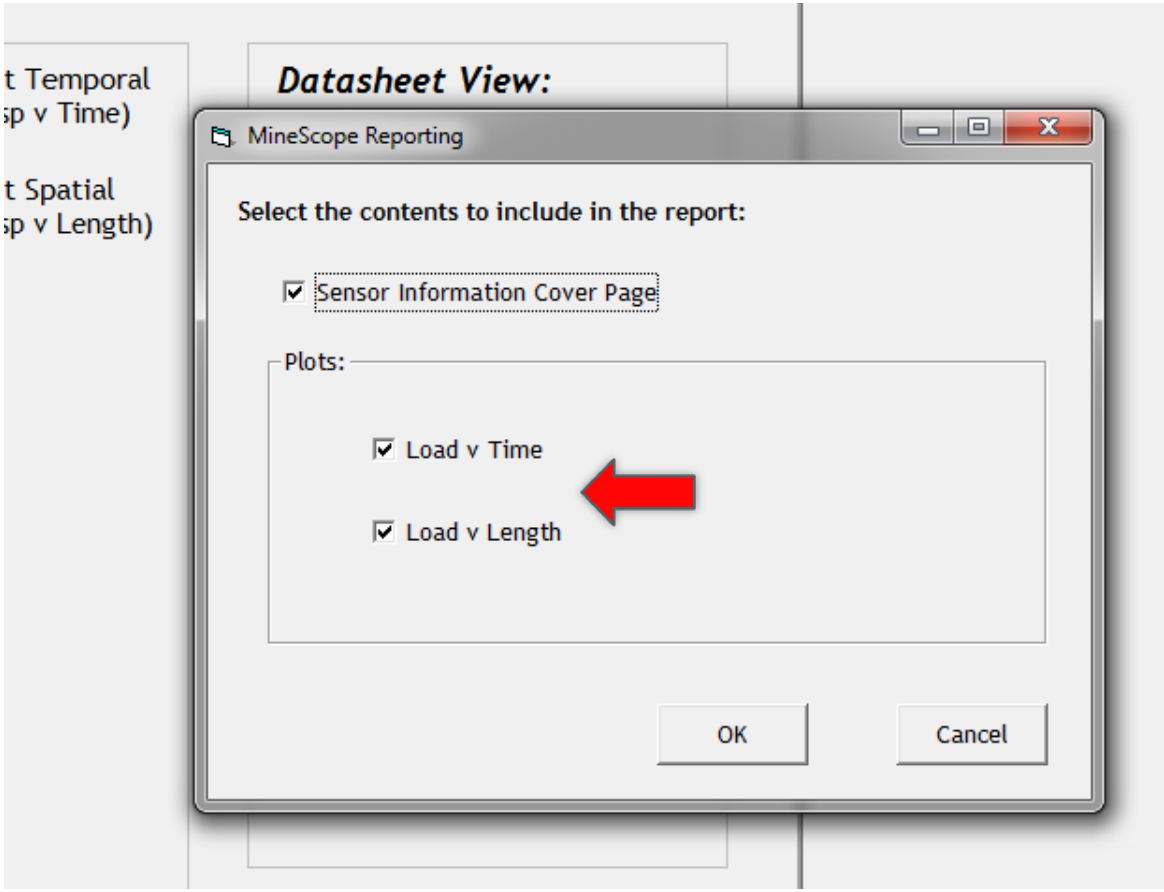
Create a Report in Word



Select Data Type to be in Report



Select Data Type to be in Report



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YieldPoint

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

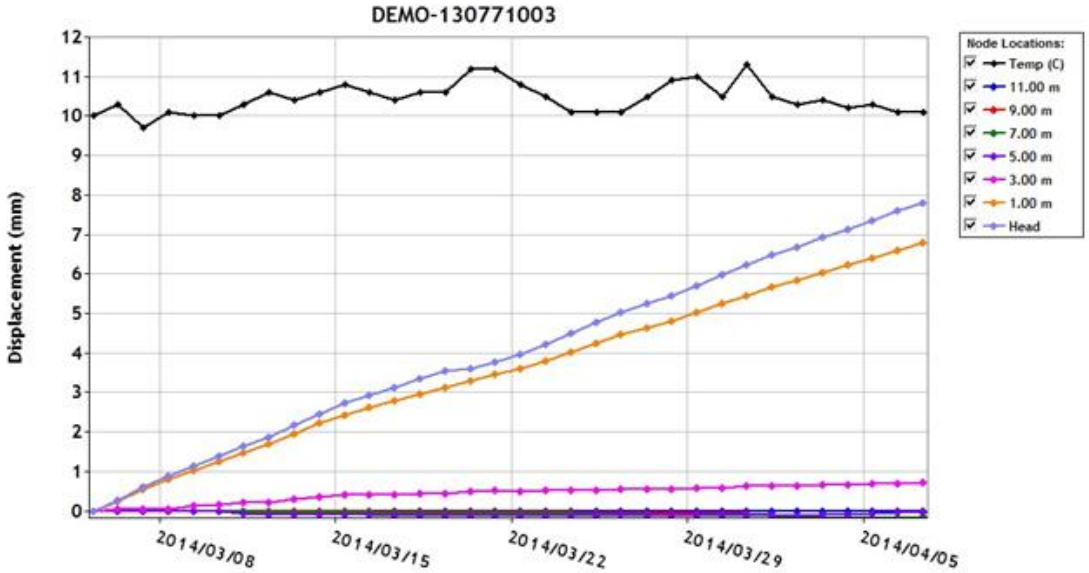
Purpose: Roof monitoring

Notes: Hourly readings

Page 2 of Report

YieldPoint

Disp v Time



Notes:

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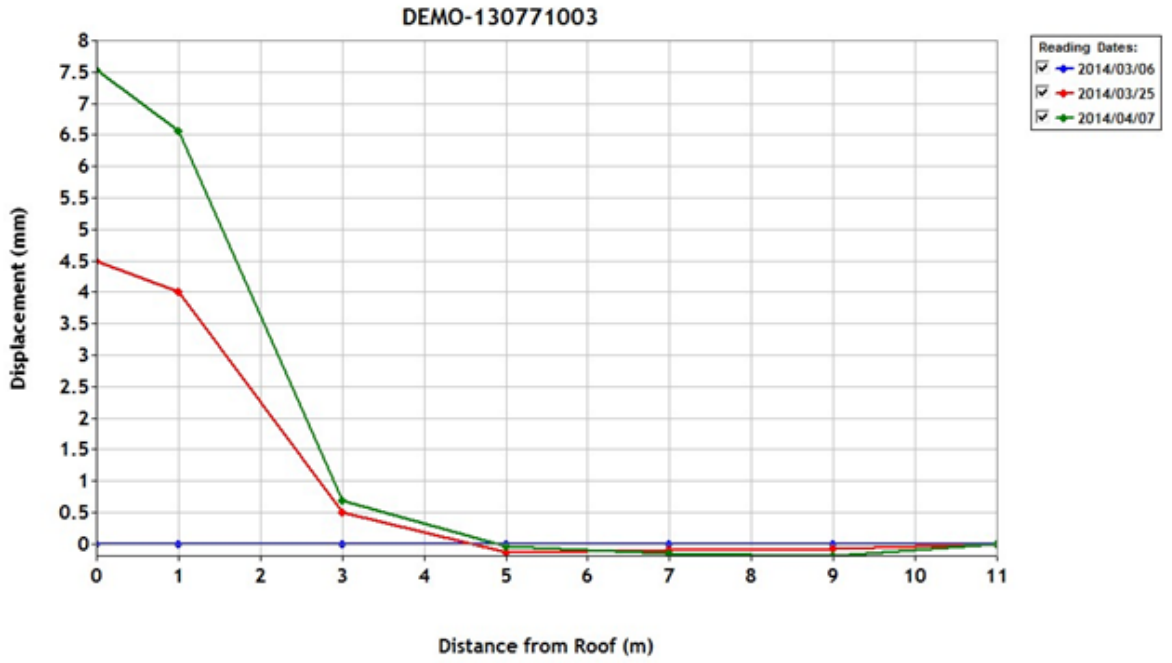
YieldPoint

Disp v Length



Notes:

END

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