Incoming C0070041
ok

0108

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Date: 12/11/2006 7:55:56 AM
Subject: Grassy Trail Dam, Seismic, Inclinometer readings, with attachment

No significant signs of movement were noted from the inclinometer readings. Since the last reading on Nov 11, 2006 only one MIS event was recorded on the Hillside unit. Only man made events were recorded on the Dam unit. No earthquakes have been reported with the area of Panel #7. Some seismic activity is being detected several miles to the northwest likely nearer the current location of mining. Maps show the events further to the northwest than the mine. This may be due to errors in the UUSS locations.

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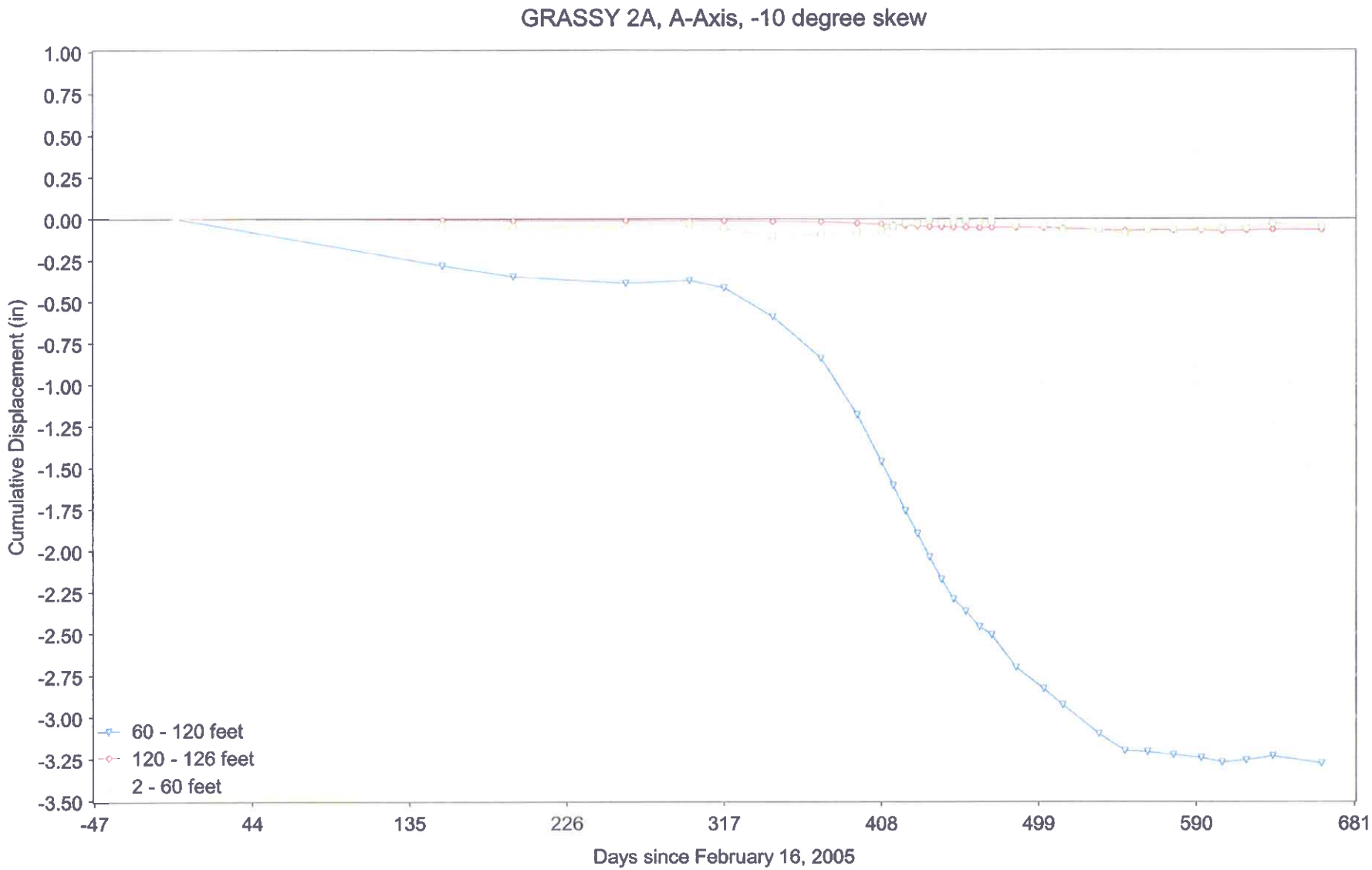
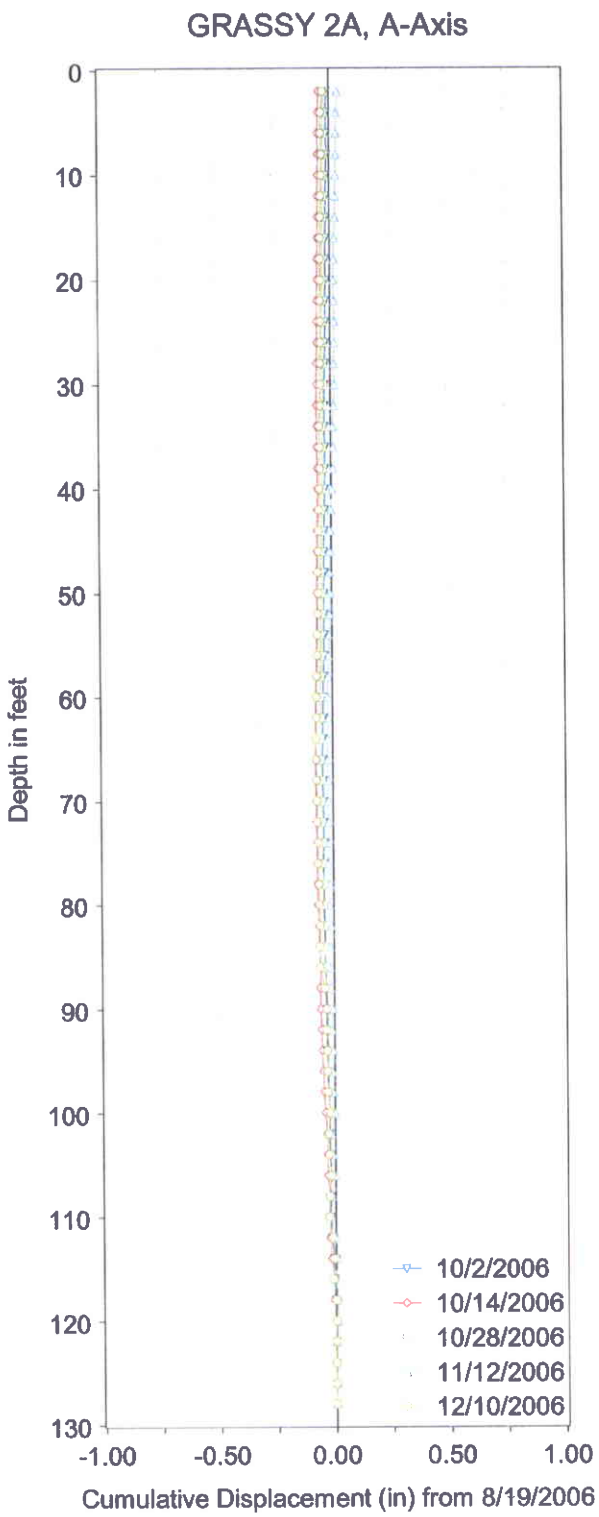
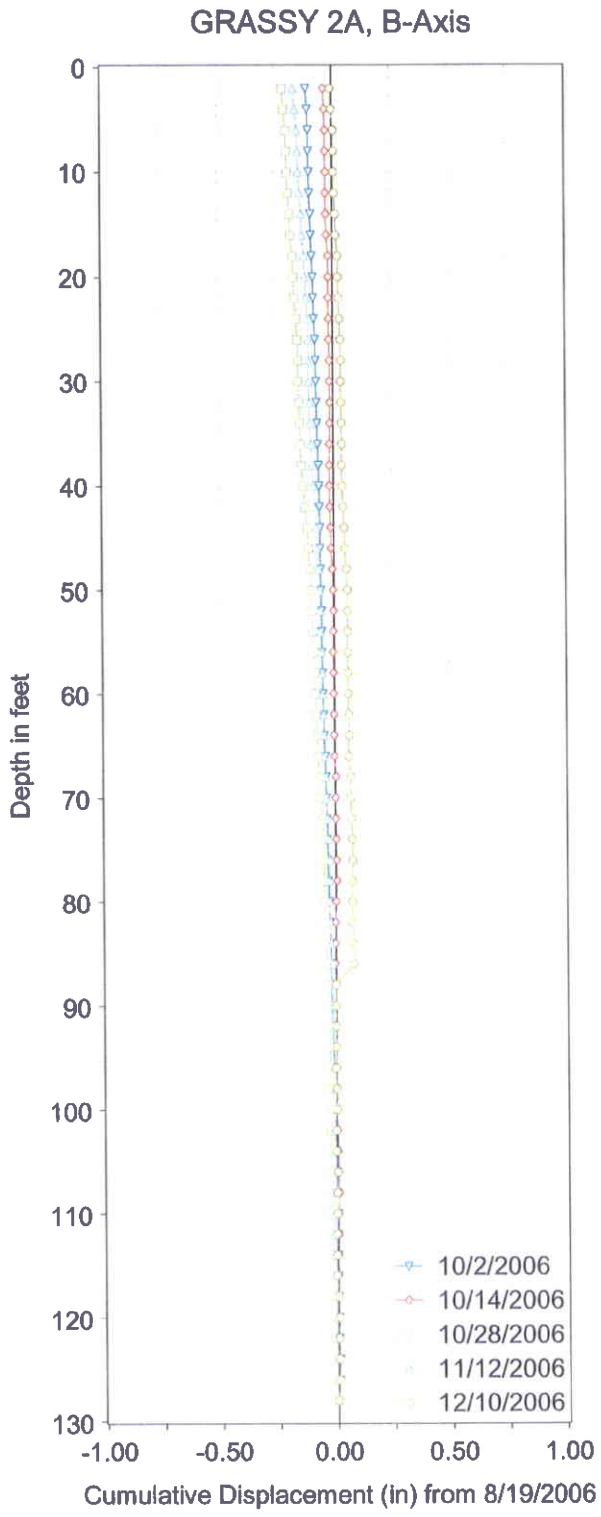
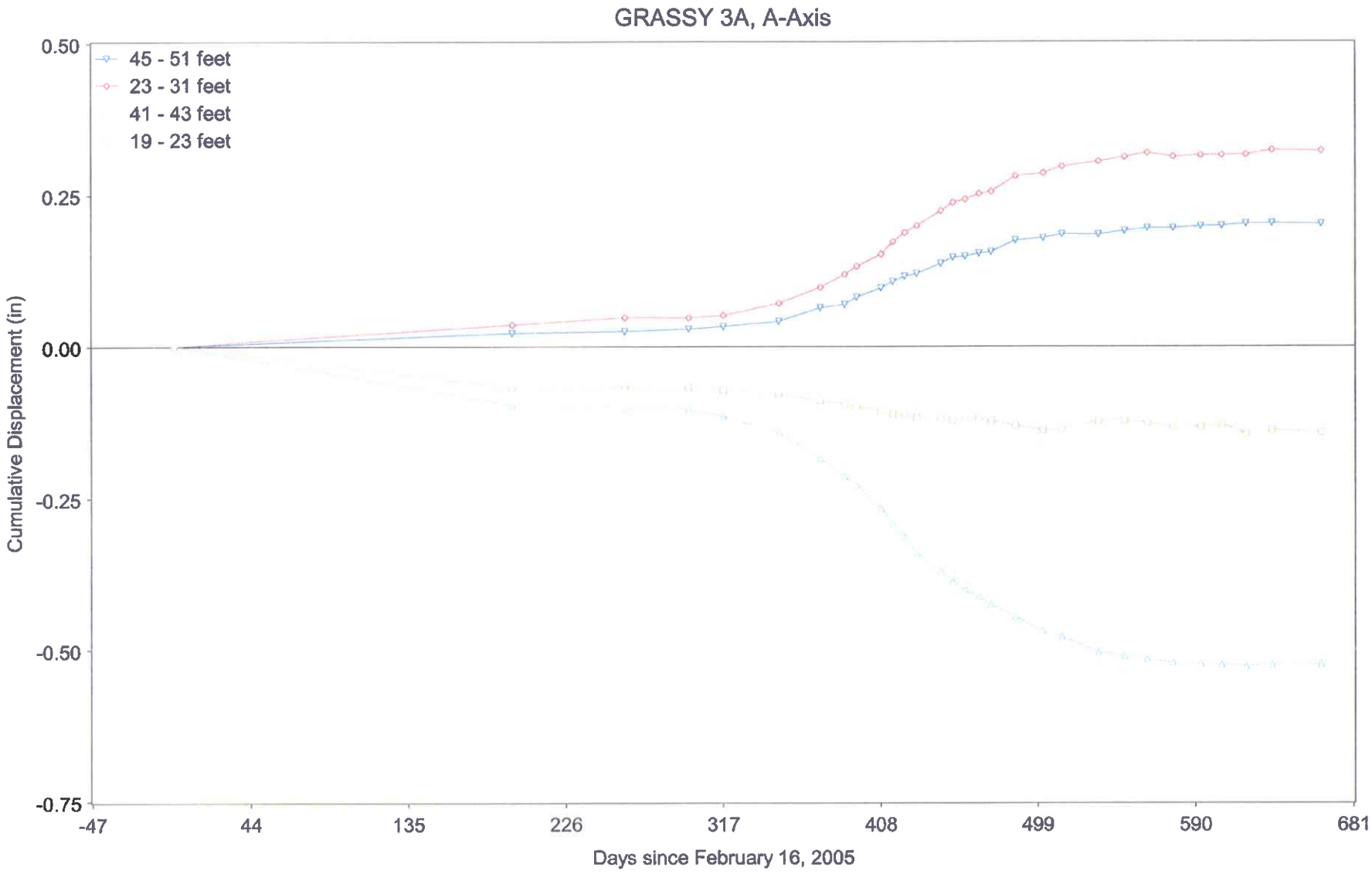
Grassy Trail Dam Seismic Monitoring
12/10/06

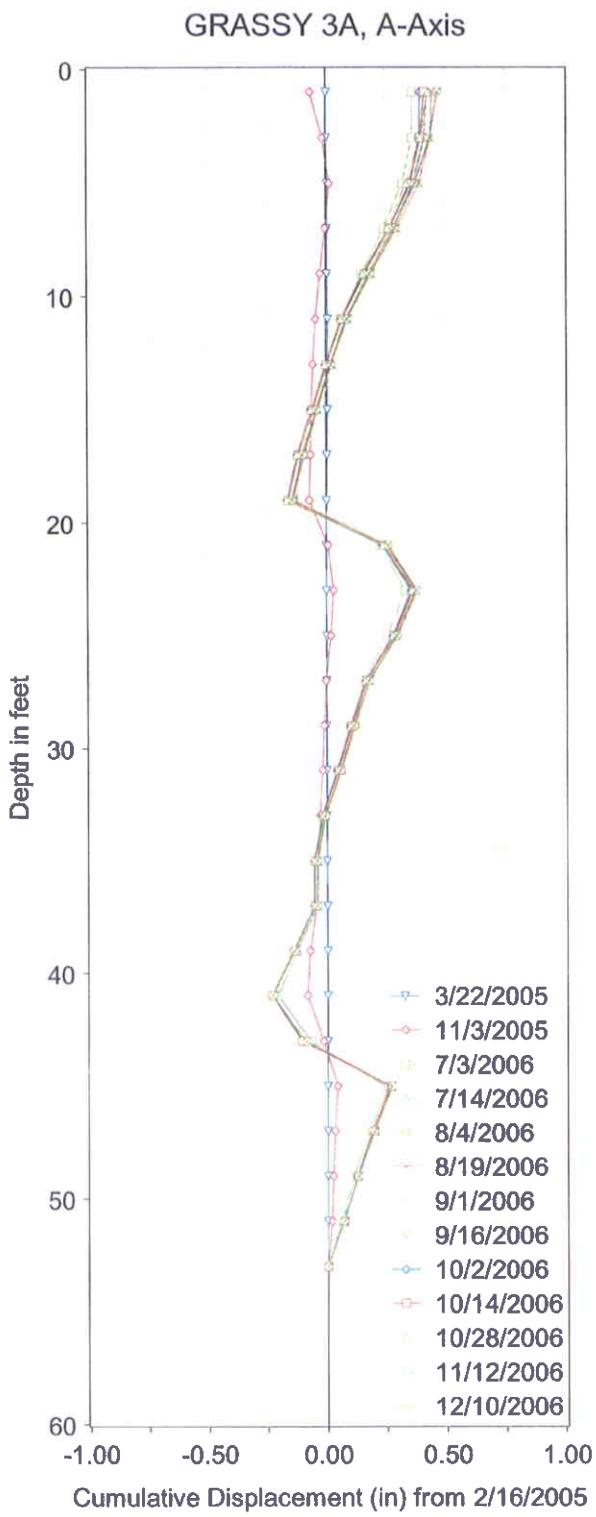
Type	Serial No.	Date	Time	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	PVS1 (mm/s)	Tran Freq. Hz.	Long Freq. Hz.	Vert Freq. Hz.	Trigger	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Description first line	Post Event Note
LOG	BE9689	11/04/06	13:19:50	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
LOG	BE9690	11/04/06	13:39:33	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
LOG	BE9690	11/12/06	12:34:18	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	
LOG	BE9690	11/12/06	12:34:46	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
LOG	BE9689	11/12/06	12:44:51	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	
LOG	BE9689	11/12/06	12:45:18	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
LOG	BE9689	11/17/06	11:17:09	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	
LOG	BE9689	11/17/06	11:17:34	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
W	BE9690	11/19/06	5:16:31	0.365	0.365	0.746	0.752	11.6	13.1	12.8	Long	0.00663	0.00663	0.00994	Hillside	No Earthquake documented
W	BE9689	11/21/06	10:51:47	0.508	1.68	1.27	1.93	73.1	85.3	85.3	Vert	0.0298	0.0895	0.0597	Grassy Tr. Dam	Man made
W	BE9689	11/27/06	15:57:17	0.127	0.111	0.603	0.609	51.2	56.9	56.9	Long	0.00829	0.00663	0.0232	Grassy Tr. Dam	Man made
W	BE9689	11/27/06	18:14:23	0.143	0.159	0.635	0.642	64	42.7	85.3	Long	0.00829	0.00994	0.0249	Grassy Tr. Dam	Man made
LOG	BE9689	11/29/06	13:29:33	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	
LOG	BE9689	11/29/06	13:33:32	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring	
LOG	BE9690	12/10/06	12:28:25	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	
LOG	BE9689	12/10/06	12:58:43	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop	

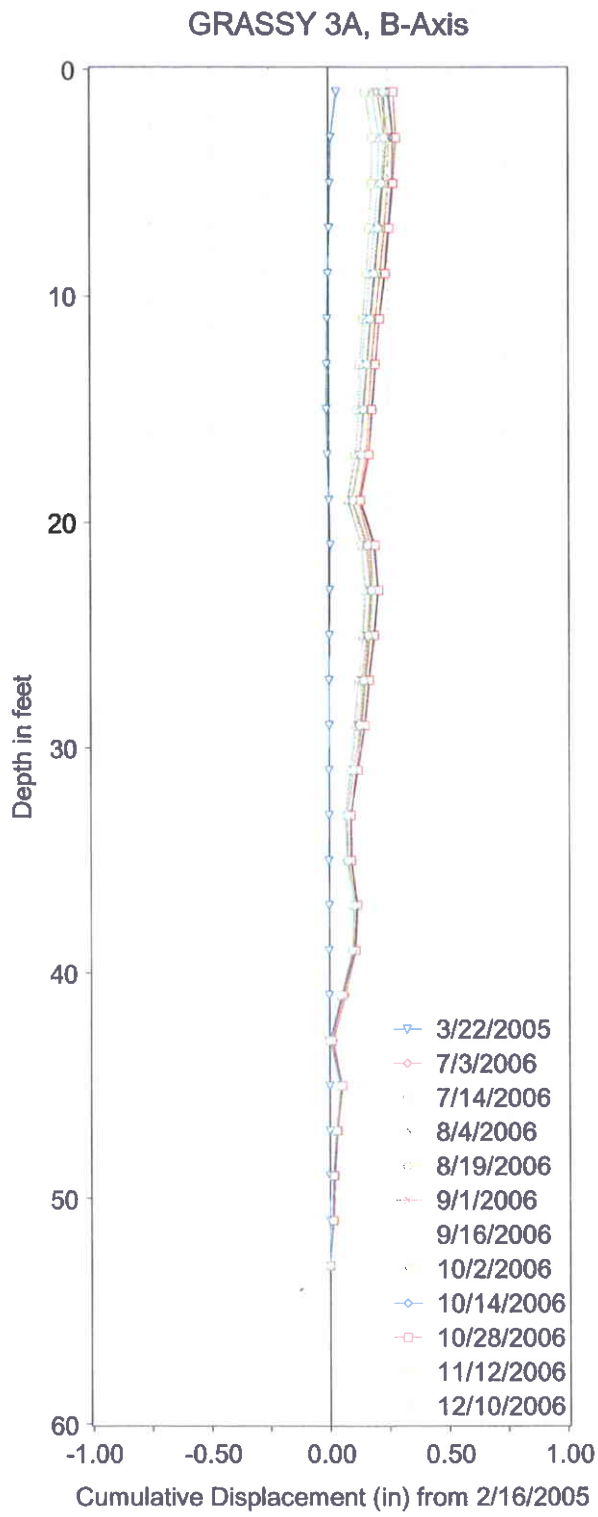

GRASSY 2A, A-Axis, -10 degree skew
Cumulative Displacement (in)
1.00
0.75
0.50
0.25
0.00
-0.25
-0.50
-0.75
-1.00
-1.25
-1.50
-1.75
-2.00
-2.25
-2.50
-2.75
-3.00
-3.25
-3.50
-47
44
135
226
317
408
499
590
681
Days since February 16, 2005
60 - 120 feet
120 - 126 feet
2 - 60 feet


GRASSY 2A, A-Axis
Depth in feet
0
10
20
30
40
50
60
70
80
90
100
110
120
130
-1.00
-0.50
0.00
0.50
1.00
Cumulative Displacement (in) from 8/19/2006
10/2/2006
10/14/2006
10/28/2006
11/12/2006
12/10/2006

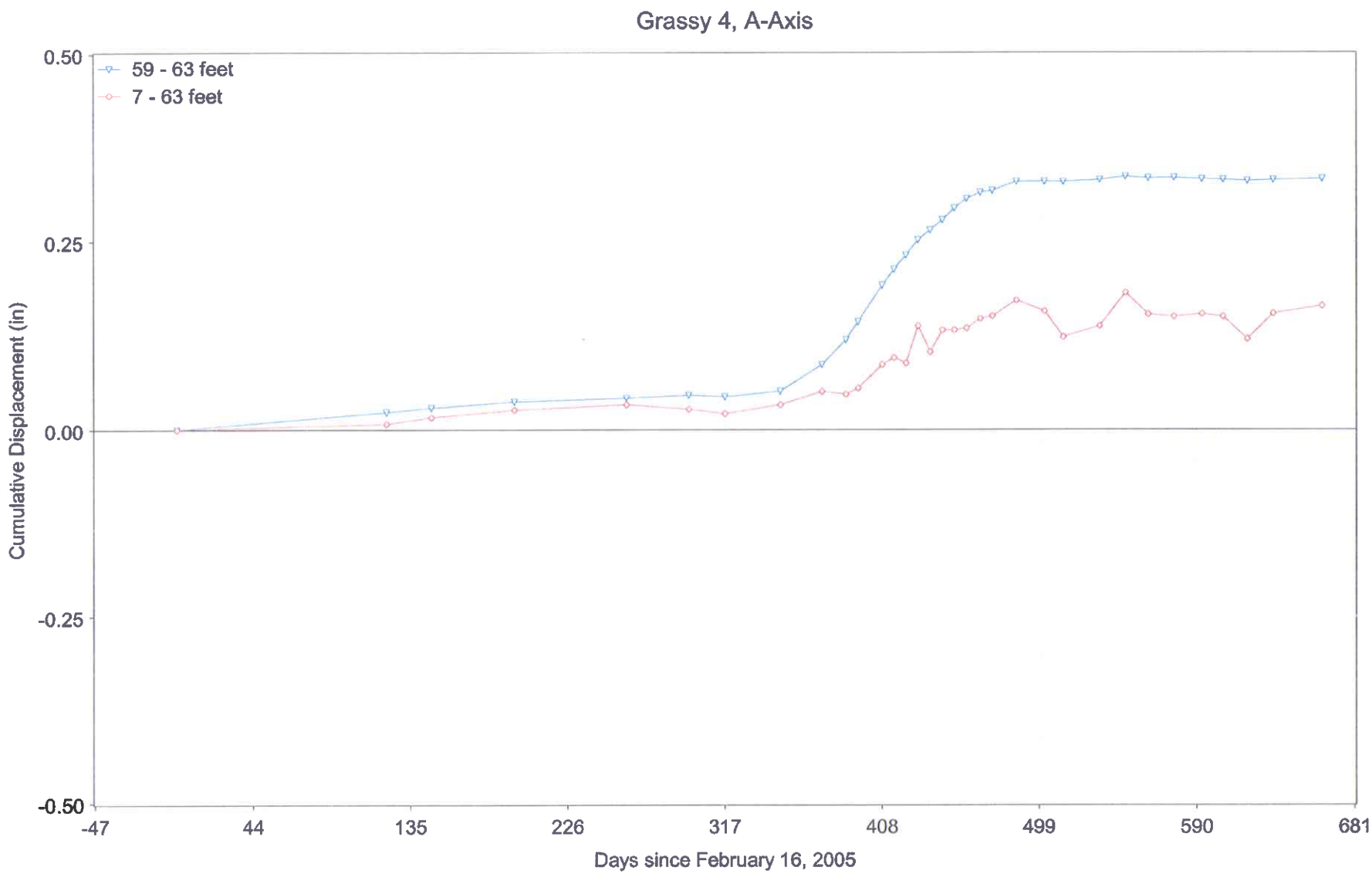

GRASSY 2A, B-Axis
Depth in feet
0
10
20
30
40
50
60
70
80
90
100
110
120
130
-1.00
-0.50
0.00
0.50
1.00
Cumulative Displacement (in) from 8/19/2006
10/2/2006
10/14/2006
10/28/2006
11/12/2006
12/10/2006

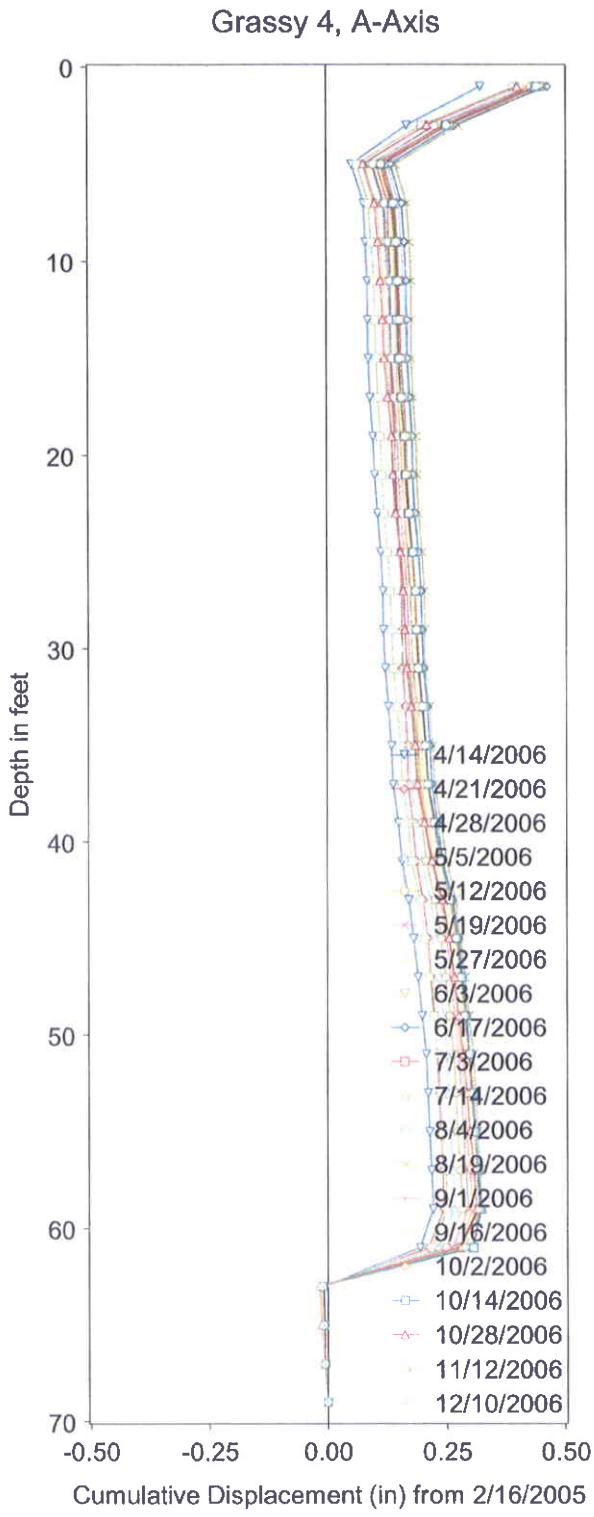

GRASSY 3A, A-Axis
45 - 51 feet
23 - 31 feet
41 - 43 feet
19 - 23 feet
0.50
0.25
0.00
-0.25
-0.50
-0.75
Cumulative Displacement (in)
-47
44
135
226
317
408
499
590
681
Days since February 16, 2005





-30 degree skew


Grassy 4, A-Axis
59 - 63 feet
7 - 63 feet
0.50
0.25
0.00
-0.25
-0.50
Cumulative Displacement (in)
-47
44
135
226
317
408
499
590
681
Days since February 16, 2005


Grassy 4, A-Axis
Depth in feet
0
10
20
30
40
50
60
70
-0.50
-0.25
0.00
0.25
0.50
Cumulative Displacement (in) from 2/16/2005
4/14/2006
4/21/2006
4/28/2006
5/5/2006
5/12/2006
5/19/2006
5/27/2006
6/3/2006
6/17/2006
7/3/2006
7/14/2006
8/4/2006
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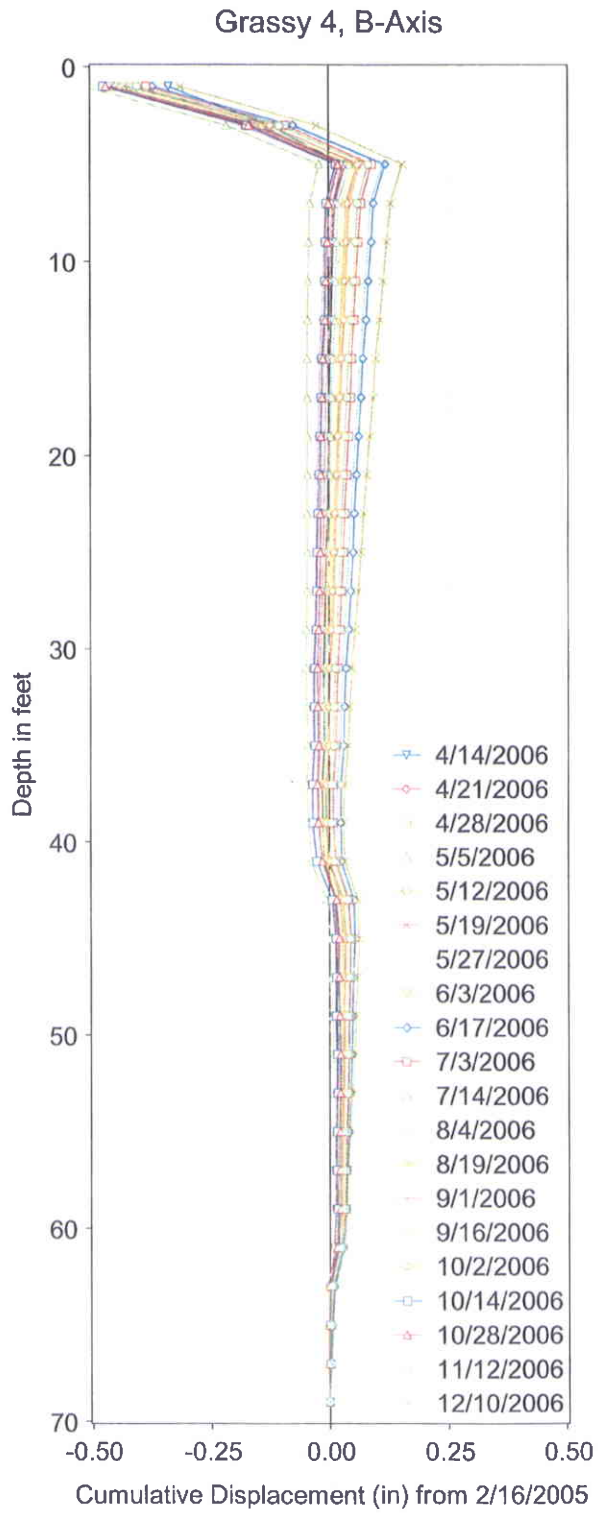
9/1/2006
9/16/2006
10/2/2006
10/14/2006
10/28/2006
11/12/2006
12/10/2006


Grassy 4, B-Axis
Depth in feet
0
10
20
30
40
50
60
70
-0.50
-0.25
0.00
0.25
0.50
Cumulative Displacement (in) from 2/16/2005
4/14/2006
4/21/2006
4/28/2006
5/5/2006
5/12/2006
5/19/2006
5/27/2006
6/3/2006
6/17/2006
7/3/2006
7/14/2006
8/4/2006
8/19/2006
9/1/2006
9/16/2006
10/2/2006
10/14/2006
10/28/2006
11/12/2006
12/10/2006