

GPS Campaign Observation Log

1. Station Information

Station Name: AI
4-Character Id: 00AI
Stamping: AI
Installed By: _____

2. Deployment By

Operator: Tim Milbourne
Operator: DE
Local Date: 8/3/00 Local Time: 1626

3. Equipment

Receiver Type and Serial #: CWU-18
3842A24489
Antenna Type and Serial #: CWU-16
0220138199

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.2230</u> |

Tripod Slant Height

Before Survey h1 = 1.2230 m h2 = 1.2230 m h3 = 1.2235 m

6. Data Recording

- a) Start time (UTC) 00:34 Julian Day 219 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 358 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
<u>8/c</u>	<u>11:23a</u>	<u>No problems downloading at all!</u>

File 00AI2190.dat

8. Retrieval

Operator: Tim Melbourne

Operator: D2

Local Date: 8/6/00 Local Time: 1000

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

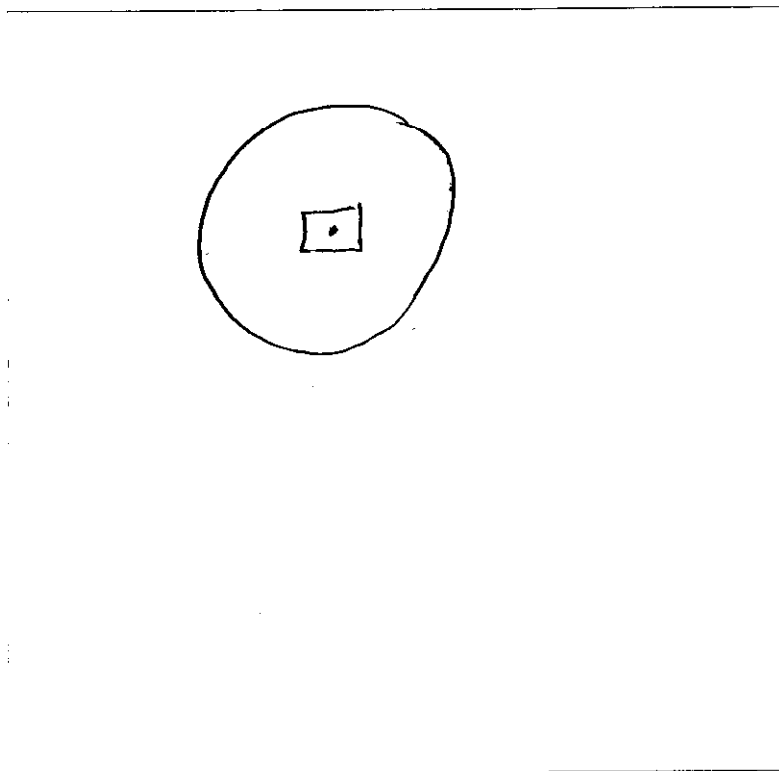
Tripod Slant Height

After Survey h1 = 1.2230 m h2 = 1.2230 m h3 = 1.2230 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A2
4-Character Id: DDA2
Stamping: A2
Installed By:

2. Deployment By

Operator: Tim, DZ
Operator:
Local Date: 8/3/00 Local Time: 1620

3. Equipment

Receiver Type and Serial #: CWU-10
3616 A15468
Antenna Type and Serial #: CWU-11
0220138198

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = _____ m Average Slant Measure 0.9515 m

Tripod Slant Height

Before Survey h1 = 0.9515 m h2 = 0.9515 m h3 = 0.9515 m

6. Data Recording

- a) Start time (UTC) 00:28 Julian Day 217 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 229 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day _____ Time _____ Comments or problems _____

File DDA22170.dat

8. Retrieval

Operator: Tim Dz

Operator: _____

Local Date: 8/4 Local Time: 18:06

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

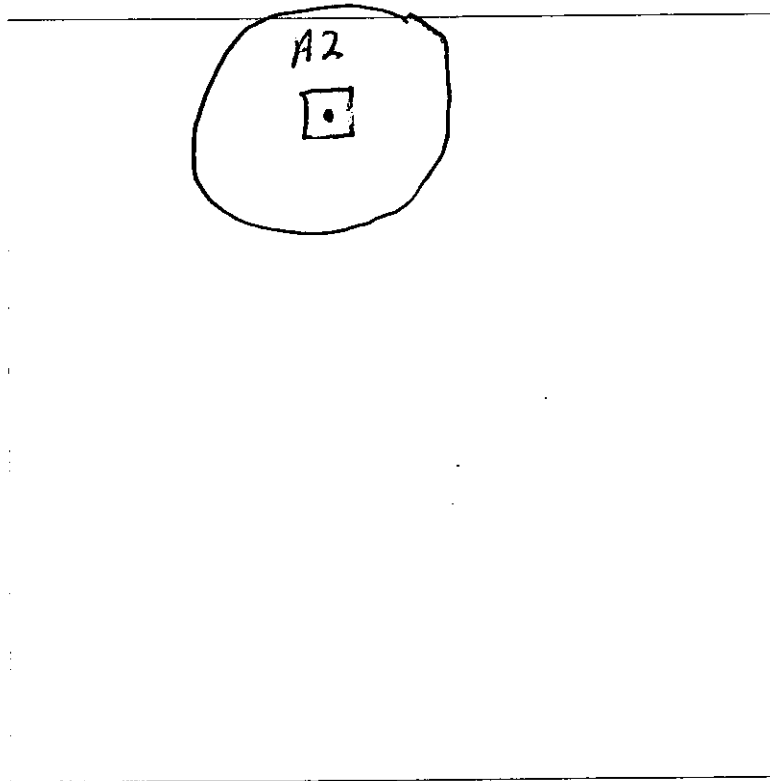
Tripod Slant Height

After Survey $h_1 = 0.9510$ m $h_2 = 0.951$ m $h_3 = 0.951$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A3
4-Character Id: 00A3
Stamping: A3
Installed By: _____

2. Deployment By

Operator: Tim, DZ
Operator: _____
Local Date: 8/3/00 Local Time: 1545

3. Equipment

Receiver Type and Serial #: CMD-12 3842A24595
Antenna Type and Serial #: 0220066915
CVO-4

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = ~~1.1410~~ m Average Slant Measure 1.1410 m

Tripod Slant Height

Before Survey h1 = 1.1415 m h2 = 1.1410 m h3 = 1.1410 m

6. Data Recording

- a) Start time (UTC) 23.45 Julian Day 216 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 229 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day _____ Time _____ Comments or problems _____

File 00A32160.dsf

8. Retrieval

Operator: DZ
Operator: Tim
Local Date: 8/4 Local Time: 18:20

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

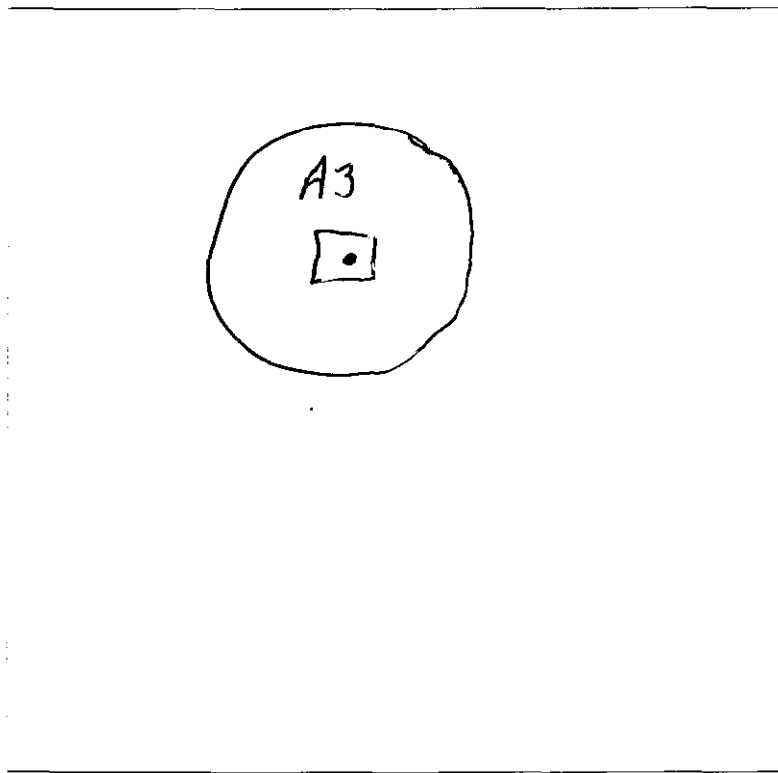
Tripod Slant Height

After Survey $h1 = 1.1410$ m $h2 = 1.1415$ m $h3 = 1.1415$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log



1. Station Information

Station Name: A4
 4-Character Id: 00A4
 Stamping: NONE
 Installed By: AVO

2. Deployment By

Operator: BEN Paulk
 Operator: T.P.
 Local Date: 8/3/00 Local Time: _____

3. Equipment

Receiver Type and Serial #: 400551 5926
CWU 3
 Antenna Type and Serial #: 8190 CWU18

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = 1.129 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.129 m h2 = 1.129 m h3 = 1.129 m

6. Data Recording

- a) Start time (UTC) 00.07 Julian Day 217
- b) Is It Logging Data? Yes No
- c) Are Batteries Charged? Yes No
- d) How Much Memory Left? 451 hrs

Approximate Position:

Latitude: 59 22.7442
 Longitude: 153 25.4059
 Height: 1062.3 m

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<p><u>BENCHMARK NEEDS MORE CEMENT.</u></p> <div style="border: 1px solid black; border-radius: 50%; padding: 20px; margin: 20px auto; width: 80%;"> <p>Files <u>DDA4 2160.dat</u> <u>DDA4 2170.dat</u> <u>DDA4 2180.dat</u></p> </div>

8. Retrieval

Operator: B. B.

Operator: _____

Local Date: 8/5/02 Local Time: 11:53
19:53

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front _____

10. Antenna Height

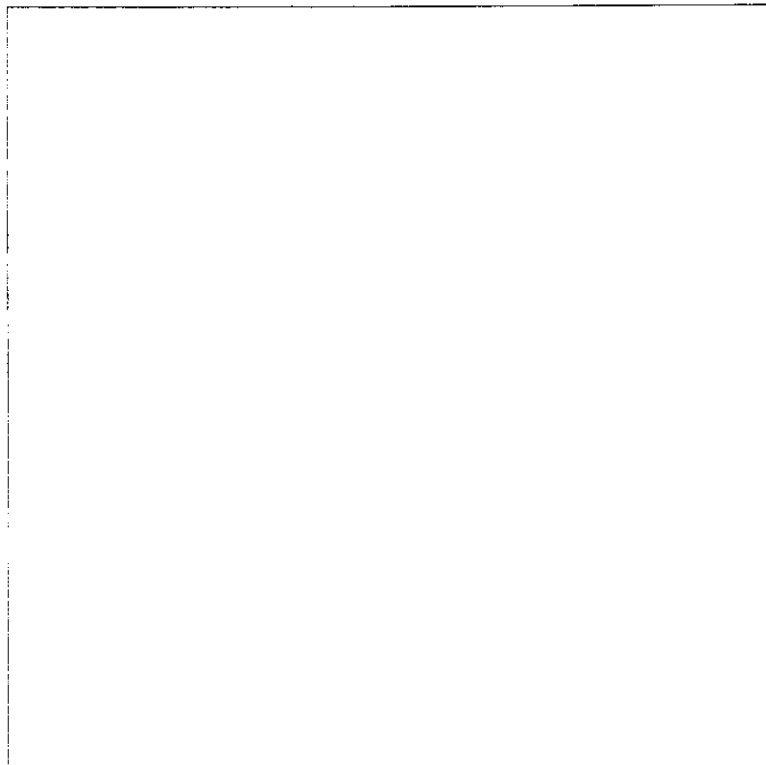
Tripod Slant Height

After Survey $h1 = 1.129$ m $h2 = 1.129$ m $h3 = 1.128$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: AA5
 4-Character Id: 00A5
 Stamping: 5
 Installed By: _____

2. Deployment By

Operator: DZ
 Operator: _____
 Local Date: 8/3/00 Local Time: ~~1048~~
1108

3. Equipment

Receiver Type and Serial #: Trimble 4003si/3628A16418
 Antenna Type and Serial #: Trimble Drape choke ring SIN 0220066917

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = 1.095 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.095 m h2 = 1.095 m h3 = 1.095 m

6. Data Recording

- a) Start time (UTC) 19:08 Julian Day 216 Approximate Position:
- b) Is It Logging Data? Yes No Latitude: 59 22.6865 N
- c) Are Batteries Charged? Yes No Longitude: 153 31.1545 W
- d) How Much Memory Left? 229 hrs Height: 31.1 m

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		Base station near West Augustine but
		NOTE: Power accidentally disconnected at 2045 local time
		on 8/3/00 (Julian day 217). New survey started
		at 2057 local time.
		-> multiple files downloaded from receiver, this was
		the base station, it has several files.
		Files 00A5 2170.dat 00A5 2190.dat 2171.dat " 2200 " 2180.dat " 2210 "

8. Retrieval

Operator: Jml

Operator: _____

Local Date: 8/7 Local Time: 17:06

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

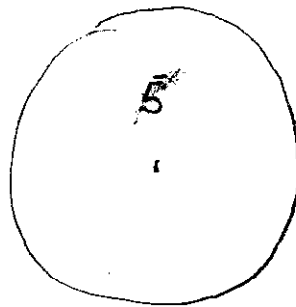
Tripod Slant Height

After Survey h1 = 1.015 m h2 = 1.095 m h3 = 1.095 m *Good*

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: AL6
4-Character Id: 00AL6
Stamping: AL6
Installed By:

2. Deployment By

Operator: Tim Melbourne
Operator: DZ
Local Date: 8/4/00 Local Time: 1905

3. Equipment

Receiver Type and Serial #: ZWU-12
3842A24595
Antenna Type and Serial #: ZWU-11
0220138198

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | | |
|-------------------------------------|-------------------|---------------------------|---|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m | |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m | |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = | m Average Slant Measure <u>0.9870 m</u> |

Tripod Slant Height

Before Survey h1 = 0.9870 m h2 = 0.9870 m h3 = 0.9875 m

6. Data Recording

- a) Start time (UTC) 03:13 Julian Day 218 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? ~~204~~ 395 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day Time Comments or problems

8. Retrieval

Operator: Tim Melbourne

Operator: DZ

Local Date: 8/5/00 Local Time: 1727

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

See below

10. Antenna Height

Tripod Slant Height *Not measured*

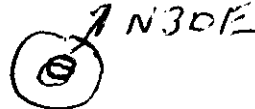
After Survey h1 = _____ m h2 = _____ m h3 = _____ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

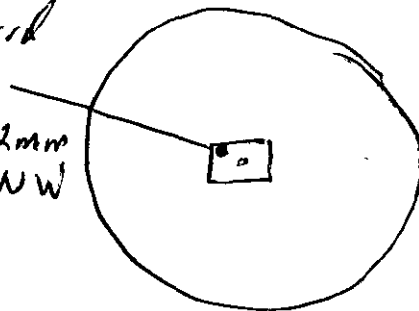
11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow

Antenna had drifted slightly off level and was no longer centered, as shown below:



Now centered here - estimate ~2mm offset to NW



2nd Occupation
GPS Campaign Observation Log ✓

1. Station Information

Station Name: A7
4-Character Id: 00A7
Stamping: A7
Installed By:

2. Deployment By

Operator: Tim McBoone
Operator: DZ
Local Date: 8/6/00 Local Time: 1107

3. Equipment

Receiver Type and Serial #: ZNO-6
3628A16417
Antenna Type and Serial #: 2NK-17
0220138192

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = m Average Slant Measure 1.1620

Tripod Slant Height

Before Survey h1 = 1.1620 m h2 = 1.1620 m h3 = 1.1620 m

6. Data Recording

- a) Start time (UTC) 19 :07 Julian Day 219 Approximate Position:
- b) Is It Logging Data? Yes No Latitude:
- c) Are Batteries Charged? Yes No Longitude:
- d) How Much Memory Left? hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day Time Comments or problems

*See notes on back re:
file names!*

8. Retrieval

Operator: Ben Park

Operator: DZ

Local Date: 8/7/00 Local Time: 0915

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

Tripod Slant Height

After Survey h1 = 1.1610 m h2 = 1.1620 m h3 = 1.1620 m

Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow

Note: File OA15-216-0 (517 Kbytes, 3015 records, created 23:59 UTC 8/6/00) is from A7. This file is on receiver 3628A 16417. It should be named ODA7-220-0. Also, file OA15-216-0 should be named ODA7-219-0 (135 Kbytes, 821 records)

GPS Campaign Observation Log

1. Station Information

Station Name: A8
4-Character Id: OCAB
Stamping: 8
Installed By: Tim, DZ

2. Deployment By

Operator: Tim, DZ
Operator: '
Local Date: 8/3/00 Local Time: 1300

3. Equipment

Receiver Type and Serial #: Trimble
EW 01713842024361
Antenna Type and Serial #: Trimble
0220138192

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|---|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = 1.170 m Average Slant Measure <u>1.1700</u> |

Tripod Slant Height

Before Survey $h_1 = \underline{1.1700}$ m $h_2 = \underline{1.1695}$ m $h_3 = \underline{1.1700}$ m

6. Data Recording

- a) Start time (UTC) 21 : 00 Julian Day 216 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? _____ hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
<u>8/3/00</u>	<u>3:30</u>	<u>- 1 day file downloaded, needs to be broken up into 3 separate files, 1 for each day, 216, 217 + 218</u> <u>- File renamed from 4361-216-0 to 00AB2160</u>

8. Retrieval

Operator: Tim Albavone

Operator: DZ

Local Date: 8/5/00 Local Time: 1022

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

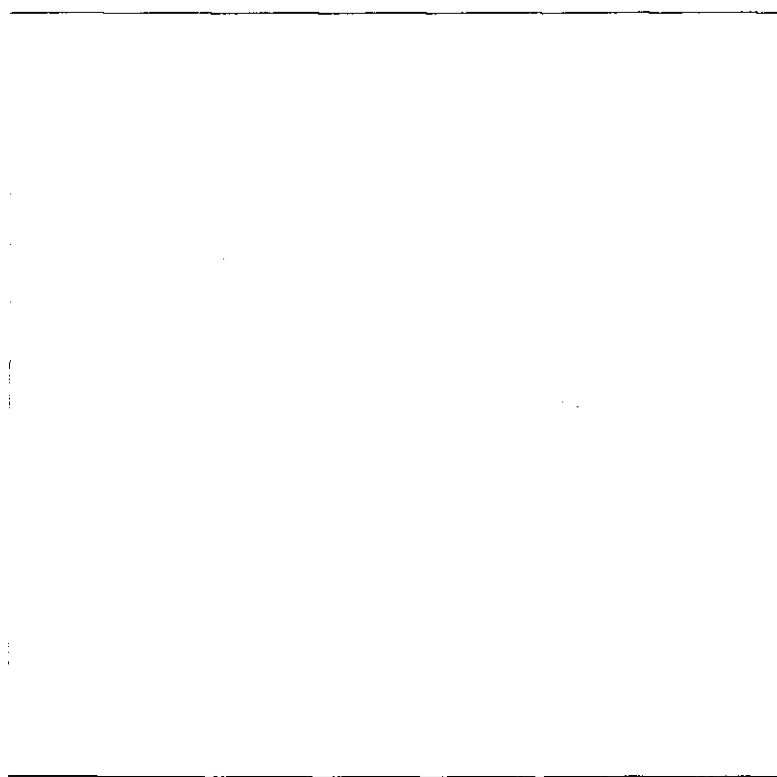
Tripod Slant Height Not measured

After Survey h1 = _____ m h2 = _____ m h3 = _____ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log ✓

1. Station Information

Station Name: A9
 4-Character Id: 00A9
 Stamping: A9
 Installed By: _____

2. Deployment By

Operator: Tim Melbourne
 Operator: DZ
 Local Date: 8/5/07 Local Time: 15:15

3. Equipment

Receiver Type and Serial #: CWU-11 3842A24360
 Antenna Type and Serial #: 0220066916 CWU-5

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure |

Tripod Slant Height

Before Survey h1 = _____ m h2 = _____ m h3 = _____ m
Not measured - entered 0.000 - see back

6. Data Recording

- a) Start time (UTC) 23:16 Julian Day 218 Approximate Position:
 b) Is It Logging Data? Yes No Latitude:
 c) Are Batteries Charged? Yes No Longitude:
 d) How Much Memory Left? 391 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<u>No height rod!</u>

8. Retrieval

Operator: Tim Melbourne

Operator: Dz

Local Date: 8/6/00 Local Time: 0908

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

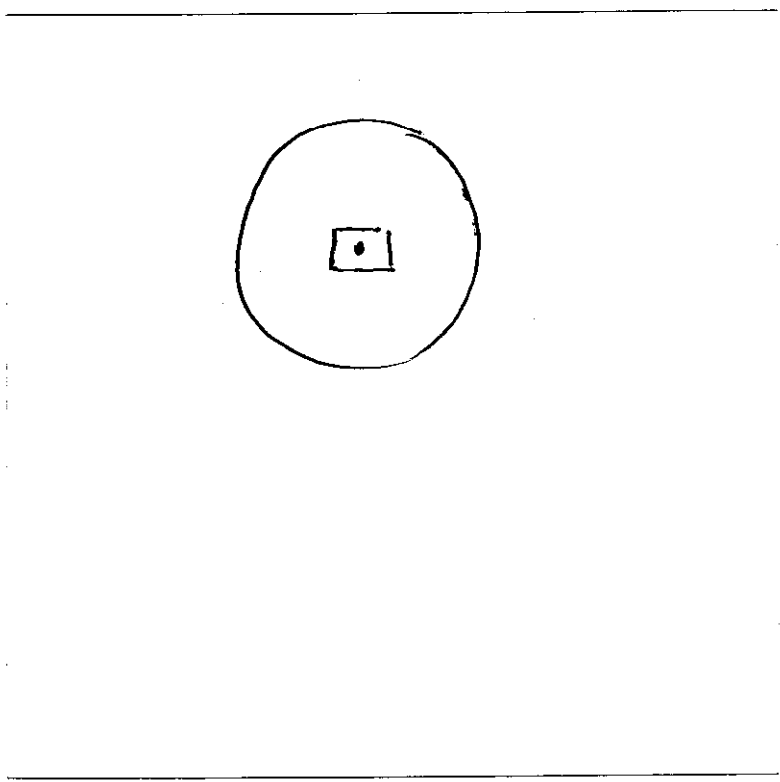
Tripod Slant Height

After Survey h1 = 1.0715 m h2 = 1.0715 m h3 = 1.0720 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A10
 4-Character Id: 0A10
 Stamping: A10-1988
 Installed By: _____

2. Deployment By

Operator: BEN
 Operator: J.P.
 Local Date: 2/3/00 Local Time: 11:57

3. Equipment

Receiver Type and Serial #: 400066L
 Antenna Type and Serial #: 4360 CWU 11
8191CWU 12

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = 1.196 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.196 m h2 = 1.196 m h3 = 1.196 m

6. Data Recording

- a) Start time (UTC) 20 04 Julian Day 216 Approximate Position:
 b) Is It Logging Data? Yes No Latitude: 59 21.5603
 c) Are Batteries Charged? Yes No Longitude: 153 25.9635
 d) How Much Memory Left? 451 hrs Height: 1243 M

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<u>CRACKS OBSERVED OUTSIDE OF MARK,</u>

8. Retrieval

Operator: BEN
Operator: J.P.
Local Date: 8/5/00 Local Time: 9:48

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

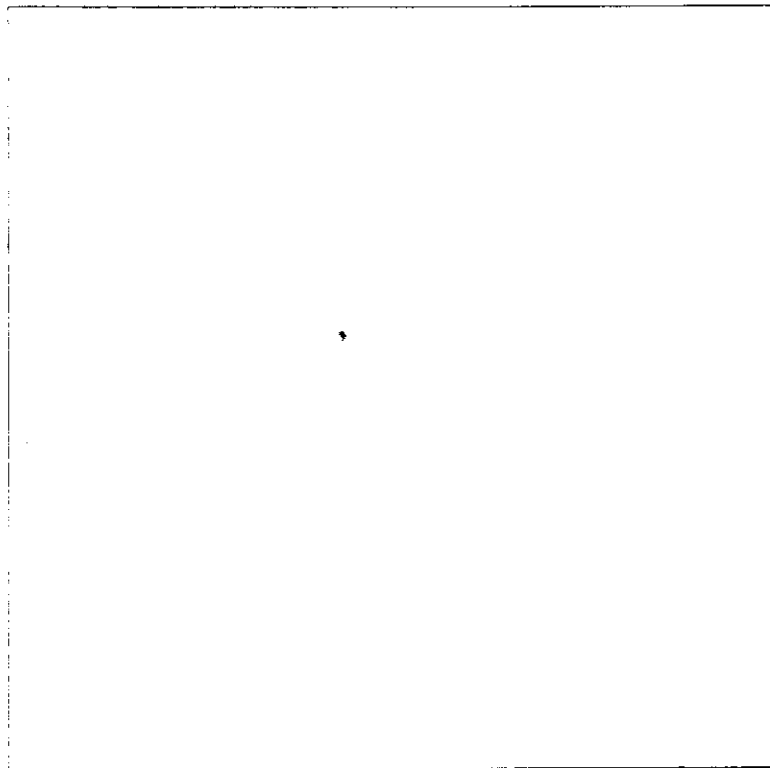
Tripod Slant Height

After Survey $h1 = 1.196$ m $h2 = 1.196$ m $h3 = 1.196$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: Al
 4-Character Id: 0AH
 Stamping: Al
 Installed By: AVO

2. Deployment By

Operator: Ben Gore
 Operator: _____
 Local Date: 8/5/10 Local Time: 17:45

3. Equipment

Receiver Type and Serial #: 5468
4000351 COM#1
 Antenna Type and Serial #: GG915

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 - JPL 8.14 cm spike Antenna Height = 0.0814 m
 - Tripod Antenna Height = _____ m Average Slant Measure
- Tripod Slant Height** - No Height Rod - Must measure or take down
 Before Survey h1 = _____ m h2 = _____ m h3 = _____ m
(See back)

6. Data Recording

- a) Start time (UTC) 0:48 Julian Day 219 Approximate Position:
- b) Is It Logging Data? Yes No Latitude: 59° 20.91511
- c) Are Batteries Charged? Yes No 1/2 charged Longitude: 153° 29.2069 W
- d) How Much Memory Left? 371 hrs Height: 22.5 m

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
8/5	17:00	<p>★ Be sure to measure height before you take down the set up. ✓</p>
8/16	17:00	<p>Be sure to enter heights of antenna into log and reindex header file when back at office</p> <ul style="list-style-type: none"> - File is labeled 0AH-2180 - Thanks DE+ Tim for fueling my Brunton!!

8. Retrieval

Operator: Tim Melbourne
Operator: DZ
Local Date: 8/6/00 Local Time: 1120

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

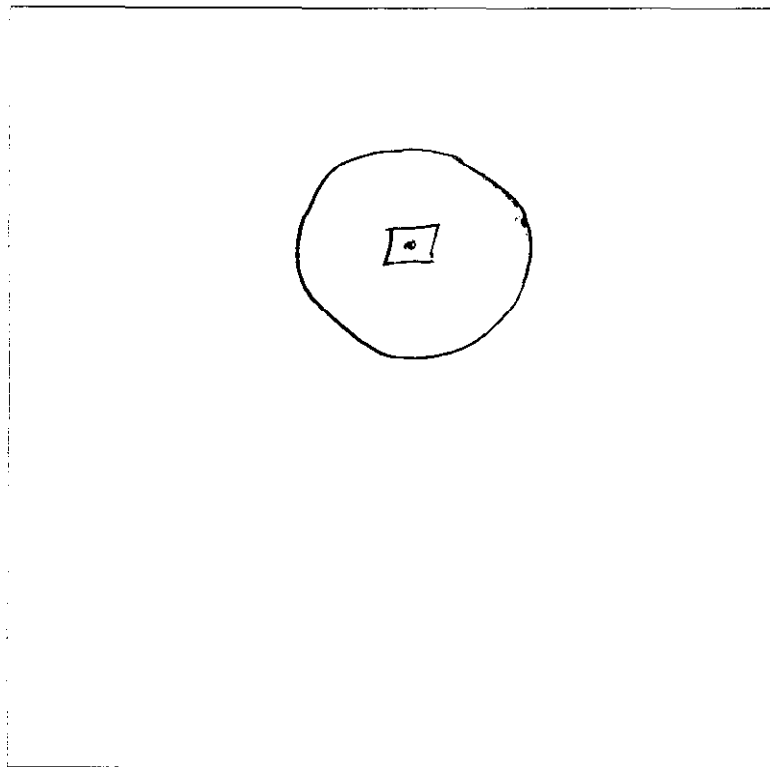
Tripod Slant Height

After Survey $h_1 = 1.0290$ m $h_2 = 1.0290$ m $h_3 = 1.0290$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A12
4-Character Id: 0A12
Stamping: A12
Installed By: Tim, Dz

2. Deployment By

Operator: Tim, Dz
Operator: " " " "
Local Date: 8/3/00 Local Time: 1400

3. Equipment

Receiver Type and Serial #: Zw418
3842A 24489
Antenna Type and Serial #: Zw416
0220138 199

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = ~~0.1615~~ m Average Slant Measure 1.1615

Tripod Slant Height

Before Survey h1 = 1.1615 m h2 = 1.1610 m h3 = 1.1615 m

6. Data Recording

- a) Start time (UTC) 22:02 Julian Day 216 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 22.9 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day Time Comments or problems

8/5 3:10 p.m. Downloaded as 1 large file renamed 0A12-016-0
- file needs to be broken up into 3 separate files
for each day - B. Pauk

8. Retrieval

Operator: Tim Melbourne

Operator: DZ

Local Date: 8/5/00 Local Time: 1058

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

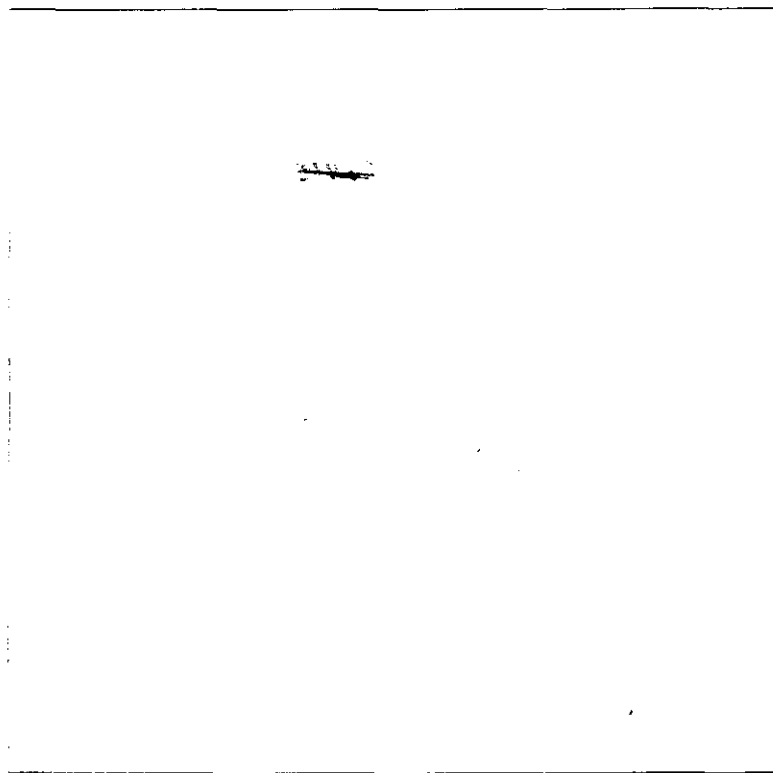
Tripod Slant Height Not measured

After Survey h1 = _____ m h2 = _____ m h3 = _____ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A14
 4-Character Id: FA14
 Stamping: A14 1988
 Installed By: ?

2. Deployment By

Operator: BEN
 Operator: J.P.
 Local Date: 8-3-00 Local Time: 13:14

3. Equipment

Receiver Type and Serial #: TRIMBLE 5927 CWU 02
 Antenna Type and Serial #: TRIMBLE 6916 CWU

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

WE HOPE

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = 1.180 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.188 m h2 = 1.188 m h3 = 1.188 m

6. Data Recording

- a) Start time (UTC) 21 27 Julian Day 216 Approximate Position:
- b) Is It Logging Data? Yes No Latitude: 59 21.5639
- c) Are Batteries Charged? Yes No Longitude: 153 25.5529
- d) How Much Memory Left? 112 hrs Height: 1182.2 M

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<p>BENCH MARK NEEDS MORE CEMENT! CEMENT ADDED TO MARK @ CONCLUSION OF SURVEY,</p>

8. Retrieval

Operator: BEN

Operator: J.P.

Local Date: 8/5/00 Local Time: 10:23

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

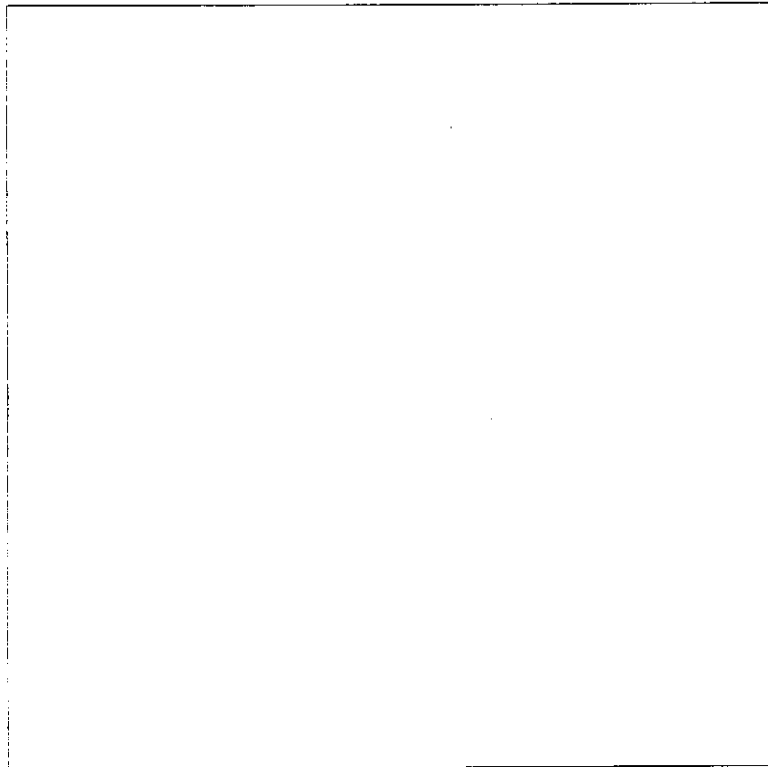
Tripod Slant Height

After Survey h1 = 1.189 m h2 = 1.189 m h3 = 1.188 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A15
 4-Character Id: A15
 Stamping: A15 1988
 Installed By: ?

2. Deployment By

Operator: BEN
 Operator: J.P.
 Local Date: 8-3-02 Local Time: 14:30

3. Equipment

Receiver Type and Serial #: TRIMBLE 6417 CVO#6
 Antenna Type and Serial #: TRIMBLE 6922 CWU 04

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = 1.333 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.333 m h2 = 1.333 m h3 = 1.333 m

6. Data Recording

- a) Start time (UTC) 22:30 Julian Day 216
 b) Is It Logging Data? Yes No
 c) Are Batteries Charged? Yes No
 d) How Much Memory Left? 451 hrs

Approximate Position:
 Latitude: 59 21.7320
 Longitude: 153 25.6957
 Height: 1229.4

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<u>NO COMMENT.</u>

8. Retrieval

Operator: Tim Dz

Operator: _____

Local Date: 8/2/00 Local Time: _____

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

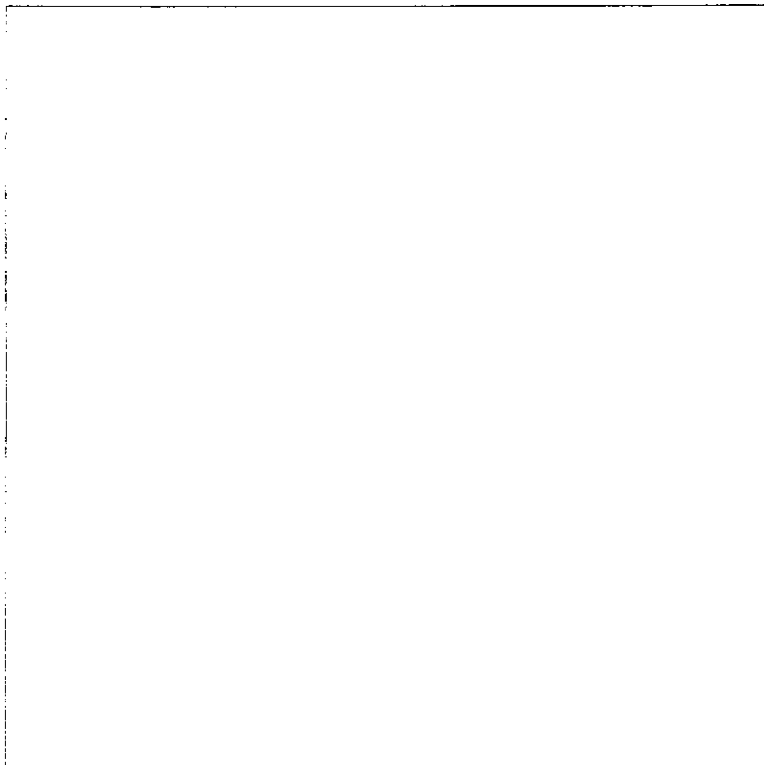
Tripod Slant Height

After Survey h1 = 1.333 m h2 = 1.333 m h3 = 1.333 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: A18
 4-Character Id: 0A18
 Stamping: A18
 Installed By: _____

2. Deployment By

Operator: Tina Melbourne
 Operator: DZ
 Local Date: 8/6/00 Local Time: 1456

3. Equipment

Receiver Type and Serial #: ZWL-03
3625A15926
 Antenna Type and Serial #: ZWL18
0220 138190

4. Antenna Setup, Checklist *before survey*

A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = _____ m Average Slant Measure 12180

Tripod Slant Height

Before Survey h1 = 12180 m h2 = 12180 m h3 = 12180 m

6. Data Recording

a) Start time (UTC) 22:56 Julian Day 219 Approximate Position:
 b) Is It Logging Data? Yes No Latitude:
 c) Are Batteries Charged? Yes No Longitude:
 d) How Much Memory Left? 372 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems

8. Retrieval

Operator: Ben Pauk

Operator: DZ

Local Date: 8/7/00 Local Time: 1310

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

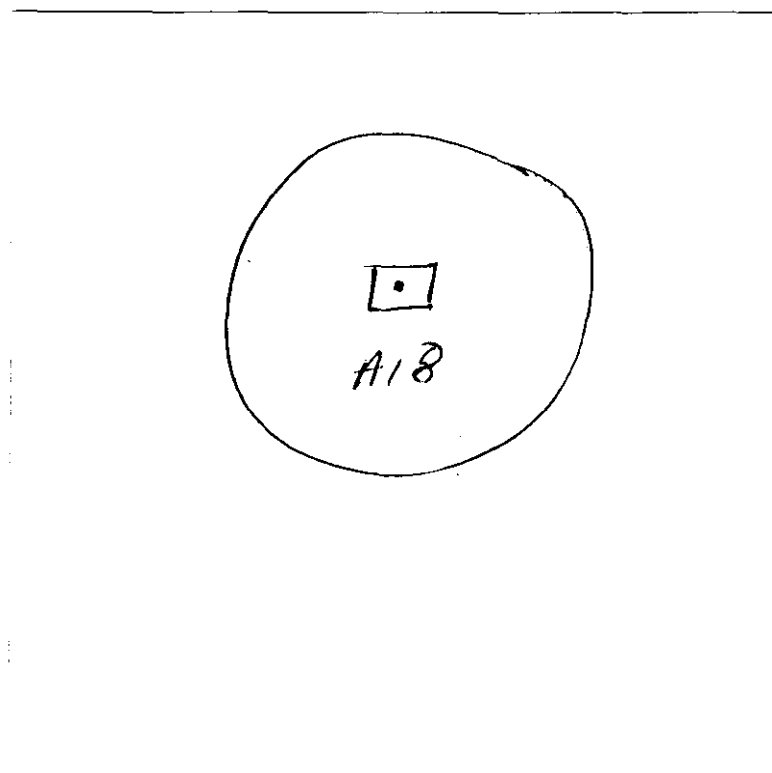
Tripod Slant Height

After Survey h1 = 1.2170 m h2 = 1.2175 m h3 = 1.2175 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: BURR AVX
 4-Character Id: BURR
 Stamping: None
 Installed By:

2. Deployment By

Operator: Tim Melbourne
 Operator: DZ
 Local Date: 8/5/00 Local Time: 1707

3. Equipment

Receiver Type and Serial #: CW4-02
3625A15927
 Antenna Type and Serial #: CW4-12
0220138191

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.2165</u> |

Tripod Slant Height

Before Survey h1 = 1.2160 m h2 = 1.2165 m h3 = 1.2165 m

6. Data Recording

- a) Start time (UTC) 01:12 Julian Day 219 Approximate Position:
 b) Is It Logging Data? Yes No Latitude:
 c) Are Batteries Charged? Yes No Longitude:
 d) How Much Memory Left? 53 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
06	11:12a.m	There are 2 files both from JD 219, one is a file that ran for 4 minutes, the second is a large one that ran for several hours the first file is labeled BURR2190 and the second file is labeled BURR2191

8. Retrieval

Operator: Tim Melbourne

Operator: DZ

Local Date: 8/6/00 Local Time: 1025

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

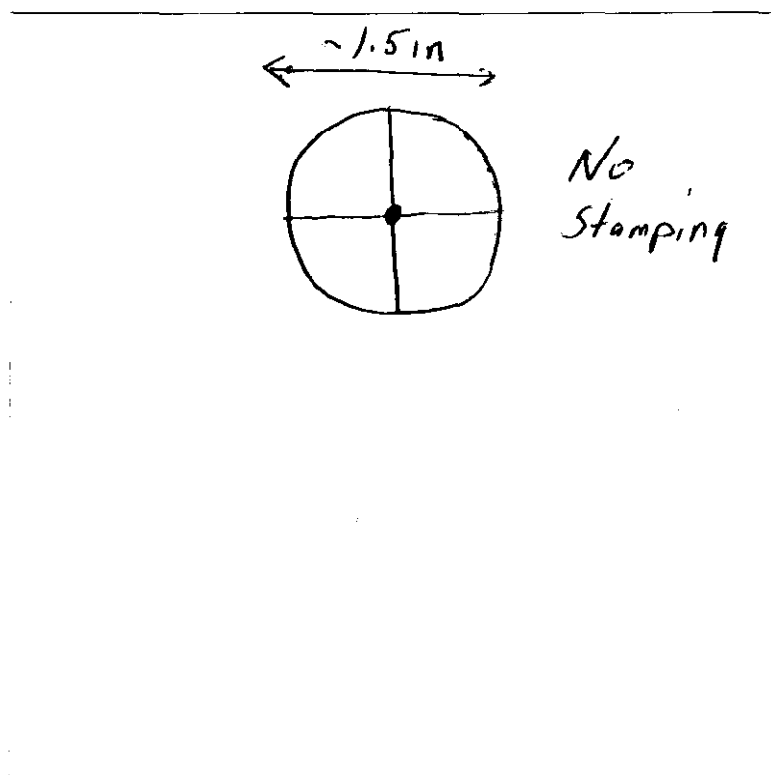
Tripod Slant Height

After Survey $h1 = 1.2155$ m $h2 = 1.2155$ m $h3 = 1.2155$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: Burr Point (Island) 1913
4-Character Id: BUR2
Stamping: None
Installed By: U.S.C + G.S

2. Deployment By

Operator: Tim Melbourne
Operator: DZ
Local Date: 8/6/00 Local Time: 1600

3. Equipment

Receiver Type and Serial #: Cwid-01
3616A15468
Antenna Type and Serial #: Cwid-12
0220138191

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
 JPL 8.14 cm spike Antenna Height = 0.0814 m
 Tripod Antenna Height = _____ m Average Slant Measure 1.2870 m

Tripod Slant Height

Before Survey h1 = 1.2870 m h2 = 1.2870 m h3 = 1.2865 m

6. Data Recording

- a) Start time (UTC) 00:20 Julian Day 220 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 347 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day _____ Time _____ Comments or problems _____

8. Retrieval

Operator: Ben Park

Operator: DZ

Local Date: 8/7/00 Local Time: 1053

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

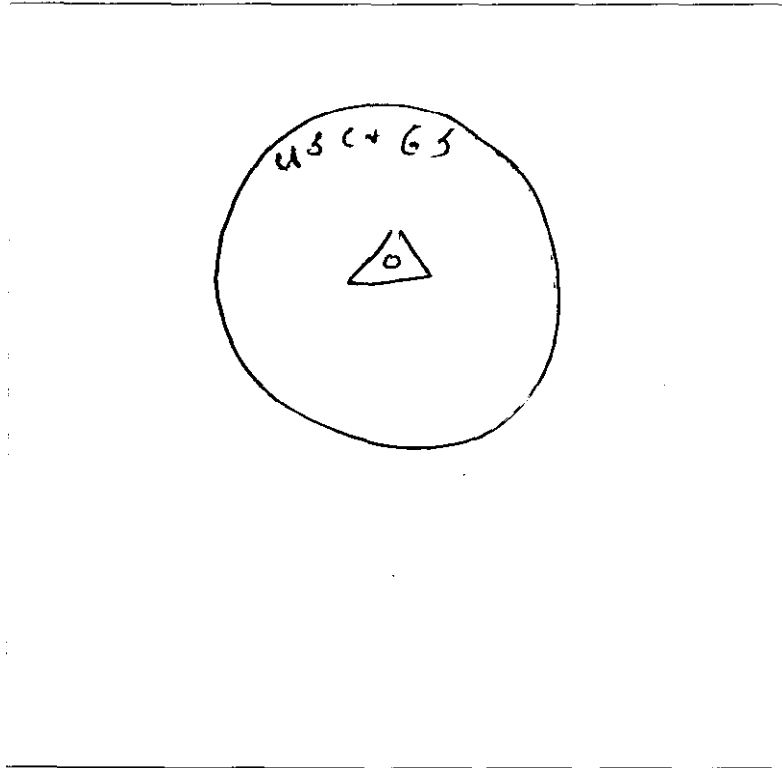
Tripod Slant Height

After Survey h1 = 1.2860 m h2 = 1.2870 m h3 = 1.2870 m

Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: KAMISHAK
4-Character Id: KAMI
Stamping: KAMISHAK
Installed By:

2. Deployment By

Operator: Tim Alborink
Operator: DZ
Local Date: 8/4/00 Local Time: 2000

3. Equipment

Receiver Type and Serial #: CW410
3616A15468
Antenna Type and Serial #: C404
0220066915

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>0.7915 m</u> |

Tripod Slant Height

Before Survey $h_1 =$ 0.7915 m $h_2 =$ 0.7915 m $h_3 =$ 0.7915 m

6. Data Recording

- a) Start time (UTC) 04:00 Julian Day 218 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 398 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day Time Comments or problems

8/4 1:55 No problems here.

- File originally labeled OKAMI 218-0, I renamed
it KAMI-2200 - BPaul

8. Retrieval

Operator: BP

Operator: _____

Local Date: 8/5/00 Local Time: 17:00

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

Tripod Slant Height

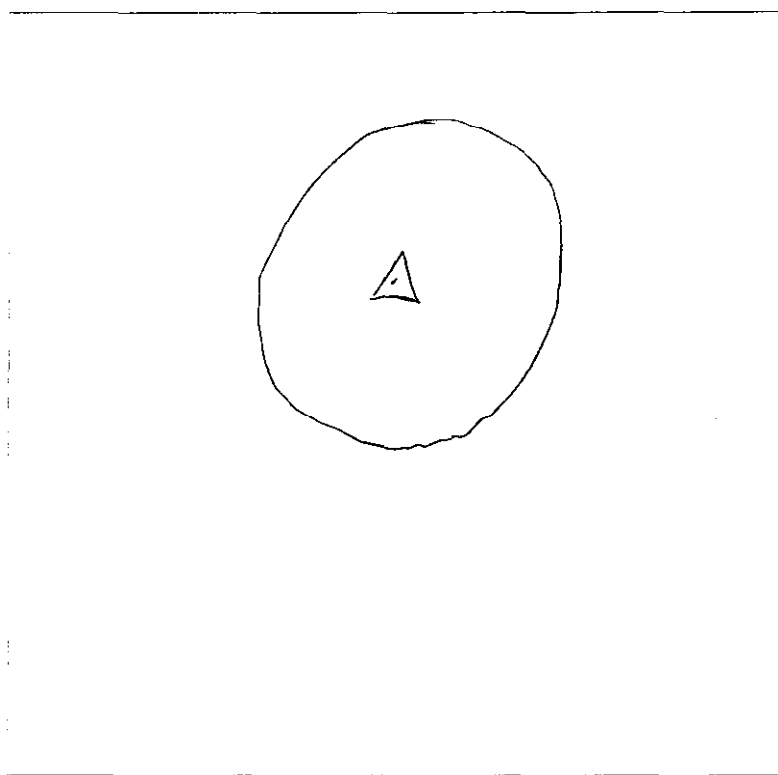
No Antenna Rod at Sight

After Survey h1 = _____ m h2 = _____ m h3 = _____ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: LU01
 4-Character Id: LU01
 Stamping: P.K. Nail
 Installed By: DZ/Tim Melbourne
WD/2WU/AVD
8/6/00

2. Deployment By

Operator: Tim Melbourne
 Operator: DZ
 Local Date: 8/6/00 Local Time: 1700

3. Equipment

Receiver Type and Serial #: CWU-11
3842A24360
 Antenna Type and Serial #: LWU-04
0220066922

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.1510 m</u> |

Tripod Slant Height

Before Survey $h_1 =$ 1.1510 m $h_2 =$ 1.1510 m $h_3 =$ 1.1510 m

6. Data Recording

- a) Start time (UTC) 01:00 Julian Day 220 Approximate Position:
 b) Is It Logging Data? Yes No Latitude:
 c) Are Batteries Charged? Yes No Longitude:
 d) How Much Memory Left? _____ hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day _____ Time _____ Comments or problems _____

Station is a P.K. nail atop an ~8m boulder that is 15m due west of the north corner of the largest boulder on the 1976/86 pyroclastic fan (easily visible from Burr Point Hut).
 Elevation ~ 740 feet.

8. Retrieval

Operator: Ben Park
Operator: Dz
Local Date: 8/7/00 Local Time: 11:13

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

Tripod Slant Height

After Survey $h_1 = 1.1510$ m $h_2 = 1.1515$ m $h_3 = 1.1510$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow

P.K No. 1



GPS Campaign Observation Log

1. Station Information

Station Name: LU02
4-Character Id: LU02
Stamping: P.K. Nail
Installed By: DZ/Tim Melbourne
EVD/cwu/AVD

2. Deployment By

Operator: Tim Melbourne
Operator: DZ
Local Date: 8/6/00 Local Time: 1800

3. Equipment

Receiver Type and Serial #: 8/6/00 cwu-02
3625A15927
Antenna Type and Serial #: cwu-05
0220066916

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.0245 m</u> |

Tripod Slant Height

Before Survey h1 = 1.0250 m h2 = 1.0245 m h3 = 1.0245 m

6. Data Recording

- a) Start time (UTC) DZ : 00 Julian Day 220 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? _____ hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day _____ Time: _____ Comments or problems

Station is P.K. Nail atop a 4m boulder
in upper reach of 1976/86 pyroclastic flow,
near eastern margin, ~20m west of a snow-fed stream, elevation
1780 feet.

8. Retrieval

Operator: Ben Paulk

Operator: DZ

Local Date: 8/7/00 Local Time: 11:49

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

Tripod Slant Height

After Survey h1 = 1.0240 m h2 = 1.0240 m h3 = 1.0240 m

Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow

P.K Nail



Center

GPS Campaign Observation Log

1. Station Information

Station Name: Mound
 4-Character Id: MOUN
 Stamping: 1908-00
 Installed By: NGS

2. Deployment By

Operator: Bin Park
 Operator: John Power
 Local Date: 8/5/00 Local Time: 4:37 AM

3. Equipment

Receiver Type and Serial #: 4000SS: 4361 CWX #17
 Antenna Type and Serial #: Trimble Choke ring
CWX #04 6922

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = 1.155 m Average Slant Measure

Tripod Slant Height

Before Survey h1 = 1.155 m h2 = 1.155 m h3 = 1.155 m

6. Data Recording

- a) Start time (UTC) 00:39 Julian Day 219 Approximate Position:
- b) Is It Logging Data? Yes No Latitude: 39° 22.2107
- c) Are Batteries Charged? Yes No Longitude: 123° 01.2215
- d) How Much Memory Left? 353 hrs Height: 117.9m

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
		<u>No problems here!</u>

8. Retrieval

Operator: Tim Melbourne
Operator: D2
Local Date: 8/6/00 Local Time: 0942

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

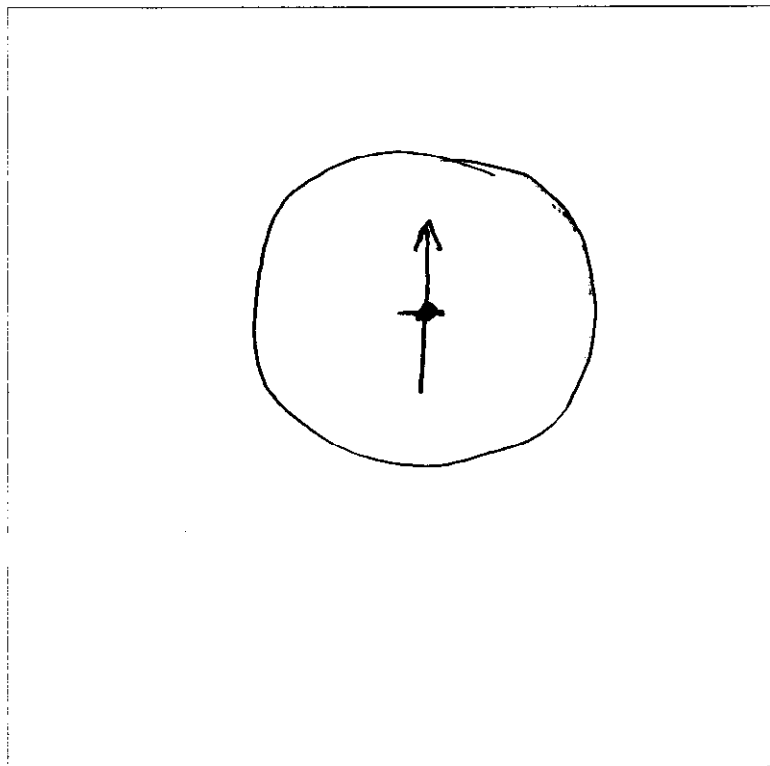
Tripod Slant Height

After Survey $h1 = 1.150$ m $h2 = 1.150$ m $h3 = 1.150$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



GPS Campaign Observation Log

1. Station Information

Station Name: South Augustine
 4-Character Id: SAUG
 Stamping: _____
 Installed By: _____

2. Deployment By

Operator: McBourne
 Operator: DeRisiu
 Local Date: 8/5/00 Local Time: 14:50

3. Equipment

Receiver Type and Serial #: 4000 SSI 3225A15926
 Antenna Type and Serial #: CW4-18 0220138190

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
 B) Is Antenna Level? Yes No
 C) Is Antenna Rotated to True N? Yes No
 D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.1520</u> |

Tripod Slant Height

Before Survey h1 = 1.1530 m h2 = 1.1520 m h3 = 1.1520 m

6. Data Recording

- a) Start time (UTC) 22 : 35 Julian Day 218 Approximate Position:
 b) Is It Logging Data? Yes No Latitude:
 c) Are Batteries Charged? Yes No Longitude:
 d) How Much Memory Left? 397 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
8/6	10:02a	File originally named OGA4-217-0 and OGA4-217-0, I renamed the SAUG2180 and SAUG2190 based on date of creation and time of file creation Total 2 files created

8. Retrieval

Operator: DZ

Operator: Tim

Local Date: 8/6/00 Local Time: 0840

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

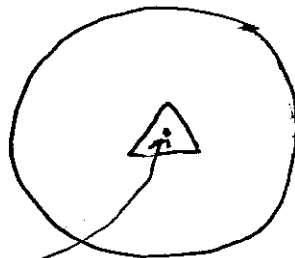
Tripod Slant Height

After Survey h1 = 1.1510 m h2 = 1.1510 m h3 = 1.1520 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



Note: center mark is raised, making precise height measurement difficult.

GPS Campaign Observation Log

1. Station Information

Station Name: Step Mountain
4-Character Id: STEP
Stamping: STEP
Installed By: _____

2. Deployment By

Operator: Tim Pelzbauer
Operator: DZ
Local Date: 8/6/00 Local Time: 1357

3. Equipment

Receiver Type and Serial #: CWU-18
3842A24489
Antenna Type and Serial #: CWU-16
0220138199

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
B) Is Antenna Level? Yes No
C) Is Antenna Rotated to True N? Yes No
D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- | | | |
|-------------------------------------|-------------------|--|
| <input type="checkbox"/> | JPL 6.14 cm spike | Antenna Height = 0.0614 m |
| <input type="checkbox"/> | JPL 8.14 cm spike | Antenna Height = 0.0814 m |
| <input checked="" type="checkbox"/> | Tripod | Antenna Height = _____ m Average Slant Measure <u>1.1955 m</u> |

Tripod Slant Height

Before Survey h1 = 1.1962 m h2 = 1.1955 m h3 = 1.1950 m

6. Data Recording 22

- a) Start time (UTC) ~~25~~ 24 Julian Day 219 Approximate Position:
b) Is It Logging Data? Yes No Latitude:
c) Are Batteries Charged? Yes No Longitude:
d) How Much Memory Left? 335 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day Time Comments or problems

NOTE: This is a VERY POOR MARK,
set in a loose slab ~ 70cm x 50cm x 20cm
thick.

8. Retrieval

Operator: Ben Pauk

Operator: Dz

Local Date: 8/7/00 Local Time: 12:45

9. Antenna Setup, Checklist *after survey*

- A) Is Antenna Still Centered? Yes No
- B) Is Antenna Still Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Describe Any problems on #7 on front

10. Antenna Height

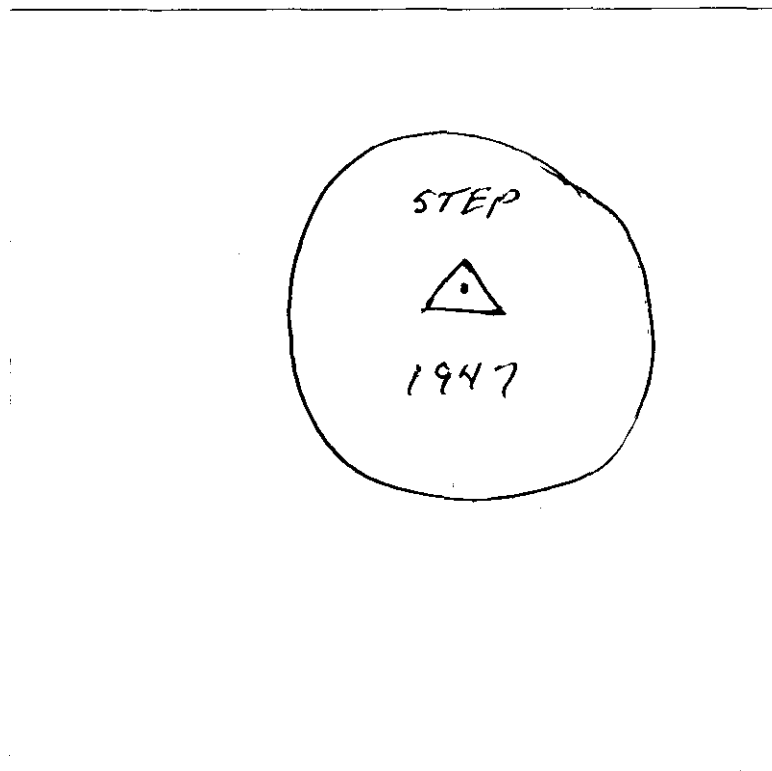
Tripod Slant Height

After Survey h1 = 1.1950 m h2 = 1.1950 m h3 = 1.1950 m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow



Third try!!
GPS Campaign Observation Log



1. Station Information

Station Name: West Augustine
 4-Character Id: WEST
 Stamping: WEST AUGUSTINE
 Installed By: USC + GS

2. Deployment By

Operator: Bio Park
 Operator: DZ
 Local Date: ~~8/7~~ Local Time: 0955
8/7/00

3. Equipment

Receiver Type and Serial #: CWL-12 3842A 24595
 Antenna Type and Serial #: CWL-11 0220138198

4. Antenna Setup, Checklist *before survey*

- A) Is Antenna Centered? Yes No
- B) Is Antenna Level? Yes No
- C) Is Antenna Rotated to True N? Yes No
- D) Will Setup Survive Wind and Time? Yes No

5. Antenna Height (check box)

- JPL 6.14 cm spike Antenna Height = 0.0614 m
- JPL 8.14 cm spike Antenna Height = 0.0814 m
- Tripod Antenna Height = _____ m Average Slant Measure 1.2405 m

Tripod Slant Height 1.2410 1.2410
 Before Survey h1 = ~~1.2150~~ m h2 = ~~1.2480~~ m h3 = 1.2400 m

6. Data Recording

- a) Start time (UTC) 18 : 07 Julian Day 220 Approximate Position:
- b) Is It Logging Data? Yes No Latitude:
- c) Are Batteries Charged? ~ Yes No Longitude:
- d) How Much Memory Left? 314 hrs Height:

7. Comments and Problems (antenna check, battery, off center or level, etc)

if a major problem occurs give a detailed explanation and restart the survey with a new log sheet

Day	Time	Comments or problems
8/7	1735	2 File created, 1 for 5 hours on JD 220, and one for 1:33 hours on JD-222 - ignore all other files. for this due to bad antenna tripod tripod shifts These files were created on JD 219 by DZ + Tim they are labeled WAUG-219-0, WAUG-219-a, and WAUG-219-b, they do not need to be processed, but were downloaded anyway

8. Retrieval

Operator: Ben Paul, DZ

Operator: _____

Local Date: 8/7 Local Time: 17:35

9. Antenna Setup, Checklist *after survey*

A) Is Antenna Still Centered? Yes No

B) Is Antenna Still Level? Yes No

C) Is Antenna Rotated to True N? Yes No

D) Describe Any problems on #7 on front

10. Antenna Height

Tripod Slant Height

After Survey $h_1 = 1.246$ m $h_2 = 1.2395$ m $h_3 = 1.2395$ m

****Do Not Copy the pre-survey slant heights from the front!!! Make new measurements.****

11. Sketch the Observing Monument

Show the exact point that the instrument was centered over and include a north arrow

~ 2
