

### GPS Observation Log

|   |  |   |                                    |   |
|---|--|---|------------------------------------|---|
| Station Name:<br><b>CLINE (Session 1)</b><br><b>PID: DG5009- CLINE ReOB</b> |  | Date:<br><b>11-7-05</b>   | Day Number:<br><b>311</b>          | 4-Char ID:  |
| Location:<br><b>Buzzard Roost Mesa USGS Quad, Gila County, Arizona</b>      |  | Observer:<br><b>R. BUNGER</b>                                       | Obs. Agency:<br><b>GILA COUNTY</b> |   |
| Latitude:<br><b>34 04' 45.49" N</b>   |  | Longitude:<br><b>111 02' 26.62" W</b>                               |                                    | Height:   |
| Session Start: UTC / Local<br><b>17:51 / 10:51 AM</b>                       |  | Scheduled Start: UTC / Local<br><b>1445 / 07:45 AM</b>              |                                    | Recording Interval:<br>(Seconds) <b>15</b>                      |
| Session End: UTC / Local<br><del>18:09</del> <b>1:09 PM</b>                 |  | Scheduled End: UTC / Local<br><b>1715 / 10:15 AM</b>                |                                    | Elevation Mask:<br>(Degrees) <b>10°</b>                         |
| Antenna Model Number: <del>ASHTEC 2801</del><br><b>701975.01B+GP</b>        |  | Receiver Model Number:<br><del>4800</del> <b>ASHTEC 2801</b>        |                                    | Antenna Mount: (Check one)                                      |
| Antenna Serial Number: <del>ASHTEC 2801</del><br><b>0220165440</b>          |  | Receiver Serial Number:<br><del>0220165440</del> <b>ASHTEC 2801</b> |                                    | Fixed Height Pole: <input checked="" type="checkbox"/> <b>X</b> |
|   |  |   |                                    | Slip Leg Tripod: _____  |
| Antenna Manufacturer:<br><b>ASHTEC 2801</b><br><b>Trimble</b>               | Antenna Height<br>(see back of form)             |   | Session Start:<br>Meters           | Session End:<br>Meters  |
|   | A = Datum point to top of Tripod (tripod height) |   | Feet                               | Feet  |
|   | B = Additional Offset to ARP (Tribrach, etc.)    |   |                                    |   |
| Receiver Manufacturer:<br><b>ASHTEC 2801</b><br><b>Trimble</b>              | H = A + B (Antenna Height) = Datum Point to ARP  |   |                                    |   |
|   |  |   |                                    |   |
|   |  |   |                                    |   |

>>>>> Δ EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<

| Barometer:<br>Manufacturer | Weather<br>Data     | Time<br>(UTC) | Dry-Bulb Temp. |   | Wet- Bulb Temp. |   | Rel. %<br>Humidity | Atm. Pressure |          | Weather<br>Codes |
|----------------------------|---------------------|---------------|----------------|---|-----------------|---|--------------------|---------------|----------|------------------|
|                            |                     |               | F              | C | F               | C |                    | Inches        | Millibar |                  |
| Part Number:               | Start               |               |                |   |                 |   |                    |               |          | 0                |
| Serial Number:             | Middle              |               |                |   |                 |   |                    |               |          | 0                |
| Psychrometer               | End                 |               |                |   |                 |   |                    |               |          | 0                |
|                            | Average of Readings |               |                |   |                 |   |                    |               |          | 0                |

Remarks, Comments on Problems, Sketches, etc:

Antenna Set to True North?  Y  N (Circle One)

~~Gila Tripod 2/Receiver 2~~

**GILA TRIPOD #2**

**NGS ANT. 2801**

**NGS RECEIVER 2801**



Log  
Checked  
By:

### GPS Observation Log

|   |  |  |                                    |  |
|---|--|--|------------------------------------|--|
| Station Name:<br><b>CLINE (Session 2)</b><br><b>PID: DG5009- CLINE ReOB</b>           |  | Date:<br><b>11-7-05</b>  | Day Number:<br><b>311</b>          | 4-Char ID:   |
| Location:<br><b>Buzzard Roost Mesa USGS Quad, Gila County, Arizona</b>                |  | Observer:<br><b>R. BUNKER</b>                                  | Obs. Agency:<br><b>GILA COUNTY</b> |  |
| Latitude:<br><b>34 04' 45.49" N</b>   |  | Longitude:<br><b>111 02' 26.62" W</b>                          |                                    | Height:  |
| Session Start: UTC / Local<br><b>20:11 / 1:11 PM</b>                                  |  | Scheduled Start: UTC / Local<br><b>1715 / 10:15 AM</b>         |                                    | Recording Interval:<br>(Seconds) <b>15</b>   |
| Session End: UTC / Local<br><b>2210 / 3:10</b>  |  | Scheduled End: UTC / Local<br><b>1945 / 12:45 PM</b>           |                                    | Elevation Mask:<br>(Degrees) <b>10°</b>  |
| Antenna Model Number: # <b>2801</b><br><del>4800</del> ASHTEC<br><b>701975.01B+GP</b> |  | Receiver Model Number: # <b>2801</b><br><del>4800</del> ASHTEC |                                    | Antenna Mount: (Check one)   |
| Antenna Serial Number: ASHTEC-# <b>2801</b><br><del>0220165440</del><br><b>7034</b>   |  | Receiver Serial Number: # <b>2801</b><br><del>0220165440</del> |                                    | Fixed Height Pole: <input checked="" type="checkbox"/> <b>X</b><br>Slip Leg Tripod: <input type="checkbox"/> |

| Antenna Manufacturer:  | Antenna Height<br>(see back of form)             | Session Start: |      | Session End: |      |
|--|--|----------------|------|--------------|------|
|  |  | Meters         | Feet | Meters       | Feet |
| <b>Trimble</b><br><del>ASHTEC 2801</del>                           | A = Datum point to top of Tripod (tripod height) | <b>2.000</b>   |      | <b>2.000</b> |      |
| Receiver Manufacturer:<br><b>Trimble</b><br><del>ASHTEC 2801</del> | B = Additional Offset to ARP (Tribrach, etc.)    | <b>0</b>       |      | <b>0</b>     |      |
|  | H = A + B (Antenna Height) = Datum Point to ARP  | <b>2.000</b>   |      | <b>2.000</b> |      |

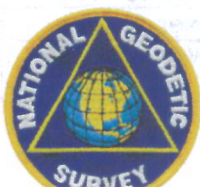
>>>>> **Λ** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<<

| Barometer:<br>Manufacturer | Weather Data        | Time (UTC) | Dry-Bulb Temp. |   | Wet- Bulb Temp. |   | Rel. % Humidity | Atm. Pressure |          | Weather Codes |
|----------------------------|---------------------|------------|----------------|---|-----------------|---|-----------------|---------------|----------|---------------|
|                            |                     |            | F              | C | F               | C |                 | Inches        | Millibar |               |
| Part Number:               | Start               |            |                |   |                 |   |                 |               |          | 0             |
| Serial Number:             | Middle              |            |                |   |                 |   |                 |               |          | 0             |
| Psychrometer               | End                 |            |                |   |                 |   |                 |               |          | 0             |
|                            | Average of Readings |            |                |   |                 |   |                 |               |          | 0             |

Remarks, Comments on Problems, Sketches, etc:  
Antenna Set to True North? **(Y)** / N (Circle One)

~~Gila Tripod 2/Receiver 2~~

**GILA TRIPOD #2 = 2.000M**



Log Checked By:

**GPS Observation Log**

|  |  |  |                                    |   |
|--|--|--|------------------------------------|---|
| Station Name:<br><b>EDJOY (Session 1)</b><br><b>PID: - CLINE ReOB</b>            |  | Date:<br><b>11-7-05</b>                                      | Day Number:<br><b>311</b>          | 4-Char ID:  |
| Location:<br><b>Diamond Butte USGS Quad, Gila County, Arizona</b>                |  | Observer:<br><b>R. BUNGER</b>                                | Obs. Agency:<br><b>GILA COUNTY</b> |   |
| Latitude:<br><b>34 07' 39.4" N</b>   |  | Longitude:<br><b>111 02' 14.9 W</b>                          |                                    | Height:   |
| Session Start: UTC / Local<br><b>1713 / 10:13 AM</b>                             |  | Scheduled Start: UTC / Local<br><b>1445 / 07:45 AM</b>       |                                    | Recording Interval:<br>(Seconds) <b>15</b>                      |
| Session End: UTC / Local<br><b>2248 / 3:48 PM</b>                                |  | Scheduled End: UTC / Local<br><b>1715 / 10:15 AM</b>         |                                    | Elevation Mask:<br>(Degrees) <b>10°</b>                         |
| Antenna Model Number: <del>4800</del> <b>ASTEC #2807</b><br><b>701975.01A+GP</b> |  | Receiver Model Number:<br><del>4800</del> <b>ASTEC #2807</b> |                                    | Antenna Mount: (Check one)                                      |
| Antenna Serial Number:<br><del>0220165441</del> <b>6778</b>                      |  | Receiver Serial Number:<br><del>0220165441</del>             |                                    | Fixed Height Pole: <input checked="" type="checkbox"/> <b>X</b> |
|  |  |  |                                    | Slip Leg Tripod: _____  |

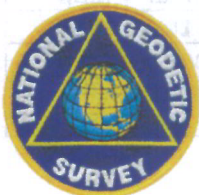
| Antenna Manufacturer:<br><del>Trimble</del> <b>ASTEC #2807</b> | Antenna Height<br>(see back of form)             | Session Start: |      | Session End: |      |
|--|--|----------------|------|--------------|------|
|  |  | Meters         | Feet | Meters       | Feet |
|  | A = Datum point to top of Tripod (tripod height) | <b>2.003</b>   |      | <b>2.003</b> |      |
| Receiver Manufacturer:<br><del>Trimble</del> <b>ASTEC</b>      | B = Additional Offset to ARP (Tribrach, etc.)    | <b>0</b>       |      | <b>0</b>     |      |
|  | H = A + B (Antenna Height) = Datum Point to ARP  | <b>2.003</b>   |      | <b>2.003</b> |      |

>>>>> **Λ** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<<

| Barometer: Manufacturer | Weather Data        | Time (UTC) | Dry-Bulb Temp. |   | Wet- Bulb Temp. |   | Rel. % Humidity | Atm. Pressure |          | Weather Codes |
|-------------------------|---------------------|------------|----------------|---|-----------------|---|-----------------|---------------|----------|---------------|
|                         |                     |            | F              | C | F               | C |                 | Inches        | Millibar |               |
| Part Number:            | Start               |            |                |   |                 |   |                 |               |          | <b>0</b>      |
| Serial Number:          | Middle              |            |                |   |                 |   |                 |               |          | <b>0</b>      |
| Psychrometer            | End                 |            |                |   |                 |   |                 |               |          | <b>0</b>      |
|                         | Average of Readings |            |                |   |                 |   |                 |               |          | <b>0</b>      |



Remarks, Comments on Problems, Sketches, etc:  
Antenna Set to True North? Y / N (Circle One)

**Gila Tripod** ~~#1~~  
**#1 2.003 M**



Log Checked By:

**GPS Observation Log**

|   |                     |   |                               |   |                 |                                    |               |
|---|---------------------|---|-------------------------------|---|-----------------|------------------------------------|---------------|
| Station Name:<br><b>PVA (Session 1)</b><br><b>PID: - CLINE ReOB</b>   |                     | Date:<br><b>11-7-05</b>   | Day Number:<br><b>311</b>     | 4-Char ID:  |                 |                                    |               |
| Location:<br><b>Oxbow MT USGS Quad, Gila County, Arizona</b>  |                     |   | Observer:<br><b>R. BUNGER</b> | Obs. Agency:<br><b>GILA COUNTY</b>                              |                 |                                    |               |
| Latitude:<br><b>34 09' 23.06" N</b>   |                     | Longitude:<br><b>110 56' 28.34" W</b>                               |                               | Height:   |                 |                                    |               |
| Session Start: UTC / Local<br><b>1634 / 9:34 A.M.</b>   |                     | Scheduled Start: UTC / Local<br><b>1445 / 07:45 AM</b>              |                               | Recording Interval:<br>(Seconds) <b>15</b>                      |                 |                                    |               |
| Session End: UTC / Local<br><b>2321 / 4:21 PM</b>   |                     | Scheduled End: UTC / Local<br><b>1715 / 10:15 AM</b>                |                               | Elevation Mask:<br>(Degrees) <b>10°</b>                         |                 |                                    |               |
| Antenna Model Number: <del>ASHTEC 3229</del><br><b>4800</b><br><b>701975.01A+GP</b>   |                     | Receiver Model Number: <del>ASHTEC 3229</del><br><b>4800</b>        |                               | Antenna Mount: (Check one)                                      |                 |                                    |               |
| Antenna Serial Number: <del>ASHTEC 3229</del><br><b>0220244639</b><br><b>6863</b>   |                     | Receiver Serial Number: <del>ASHTEC 3229</del><br><b>0220244639</b> |                               | Fixed Height Pole: <input checked="" type="checkbox"/> <b>X</b> |                 |                                    |               |
| Slip Leg Tripod: _____  |                     |   |                               |   |                 |                                    |               |
| Antenna Manufacturer:<br><del>Trimble</del>   |                     | Antenna Height<br>(see back of form)                                |                               | Session Start:<br>Meters      Feet                              |                 |                                    |               |
|   |                     | A = Datum point to top of Tripod (tripod height)                    |                               | Meters      Feet  |                 |                                    |               |
|   |                     | B = Additional Offset to ARP (Tribrach, etc.)                       |                               | Meters      Feet  |                 |                                    |               |
| Receiver Manufacturer:<br><del>Trimble</del>  |                     | H = A + B (Antenna Height) = Datum Point to ARP                     |                               | Meters      Feet  |                 |                                    |               |
|   |                     |   |                               |   |                 |                                    |               |
| <b>&gt;&gt;&gt;&gt;&gt; Δ EVERYTHING ABOVE MUST BE FILLED OUT. 7 &lt;&lt;&lt;&lt;&lt;&lt;</b>   |                     |   |                               |   |                 |                                    |               |
| Barometer: Manufacturer   | Weather Data        | Time (UTC)  | Dry-Bulb Temp. F      C       | Wet- Bulb Temp. F      C  | Rel. % Humidity | Atm. Pressure Inches      Millibar | Weather Codes |
| Part Number:  | Start               |   |                               |   |                 |                                    | <b>0</b>      |
| Serial Number:  | Middle              |   |                               |   |                 |                                    | <b>0</b>      |
| Psychrometer  | End                 |   |                               |   |                 |                                    | <b>0</b>      |
|   | Average of Readings |   |                               |   |                 |                                    | <b>0</b>      |
| Remarks, Comments on Problems, Sketches, etc:<br>Antenna Set to True North? Y / N (Circle One)<br><br><b>Gila Tripod <del>1</del>/Receiver <del>3</del></b><br><b>7-2 meter fixed</b><br><b>NGS UNIT 3229</b> |                     |   |                               |   |                 |                                    |               |
|                                       |                     |   |                               |   |                 | Log Checked By:                    |               |