# GPS STATION OBSERVATION LOG
April 16, 2003

| Station Designation: (check applicable:__ FBN__ CBN__ PAC__ SAC __BM) **LARK** | Station PID, if any: | Date (UTC): 03/17/09 |
|---|---|---|

| General Location: 87 Granite Run Dr., Conowingo MD 21918 | Airport ID, if any: | Station 4-Character ID: **LARK** | Day of Year: **076** |
|---|---|---|---|

| Project Name: **CECIL COUNTY HMOD** | Project Number: **GPS-** | Station Serial # (SSN): | Session ID:(A,B,C etc) **H** |
|---|---|---|---|

| NAD83 Latitude ° ' " | NAD83 Longitude ° ' " | NAD83 Ellipsoidal Height ____ meters | Agency Full Name: **G. W. Stephens, Jr. and Assoc.** |
|---|---|---|---|

NAVD88 Orthometric Ht. ____ meters

Operator Full Name: RAYMOND G. CRAMER SR

Observation Session Times (UTC):
Sched. Start _____ Stop _____
Actual Start 18:27 Stop 19:05

Epoch Interval=____ Seconds
Elevation Mask = ____ Degrees

GEOID99 Geoid Height ____ meters

Phone #: ( ) (410) 297-2340
e-mail address: JShaw@gwstephens.com

| Receiver Brand & Model: TRIMBLE 4800 | Antenna Code*, Brand & Model: | |
|---|---|---|
| P/N: 32119-56 | P/N: | |
| S/N: 0220160896 | S/N: | |
| Firmware Version: | Cable Length, meters: | |
| □ CamCorder Battery, □ 12V DC, □ 110V AC, □ Other | Vehicle is Parked ____ meters ____(direction) from antenna. | |

Antenna plumb before session? (Y)/N — Circle Yes or No
Antenna plumb after session? (Y)/N — -If no,
Antenna oriented to true North? (Y)/N — explain
Weather observed at antenna ht. (Y)/N
Antenna ground plane used? (Y /(N))

Antenna radome used? (Y)/N — If yes, describe.
Eccentric occupation (>0.5 mm)? (Y)/N
Any obstructions above 10°? (Y)/N — Use
Radio interference source nearby (Y /(N)) — Vis. form

Tripod or Antenna Mount: Check one:
☑ Fixed-Leg Tripod, □ Collapsible-leg tripod □ Fixed Mount
Brand & Model: SECO
P/N: 5119-00-FLY
S/N:
Last Adjustment date:

Psychrometer (if used) Brand & Model:
P/N:
S/N:
Last Calibration or check Date:

## ** ANTENNA HEIGHT **

| | Before Session Begins: Meters | Feet | After Session Ends: Meters | Feet |
|---|---|---|---|---|
| **A=** Datum point to Top of Tripod (Tripod Height) | 2.000 | 6.562 | 2.000 | 6.562 |
| **B=** Additional offset to ARP if any (Tribrach/Spacer) | 0.000 | 0.000 | 0.000 | 0.000 |
| **H=** Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | 2.000 | 6.562 | 2.000 | 6.562 / .562 |

Meters = Feet x (0.3048)
Height Entered Into Receiver = _____ meters.
Note &/or sketch **ANY** unusual conditions. Be **Very Explicit** as to where and how Measured!

Barometer (if used) Brand & Model:
S/N:

| Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit Celsius | WetBulb Temp Fahrenheit Celsius | Rel. % Humidity | Atm. Pressure inches Hg millibar |
|---|---|---|---|---|---|---|
| Before | 00010 | 18:27 | | | | |
| Middle | 00010 | 18:45 | | | | |
| After | 00010 | 19:05 | | | | |

Remarks, Comments on Problems, Sketches, Pencil Rubbing, etc:

PICTURES # 12 & 13

Weather codes are required. Weather data are optional but encouraged. *Antenna code comes from ant_info file furnished by project coordinator.

| Data File Name(s): (Standard NGS Format = aaaaddds.xxx) where aaaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension | Updated Station Description: □ Attached □ Submitted earlier Visibility Obstruction Form: ☑ Attached □ Submitted earlier Photographs of Station: ☑ Attached □ Submitted earlier Pencil Rubbing of Mark: □ Attached | LOG CHECKED BY: |
|---|---|---|

| Table of Weather Codes | CODE | PROBLEM | VISIBILITY | TEMPERATURE | CLOUD COVER | WIND |
|---|---|---|---|---|---|---|
| | 0 | did not occur | Good, over 15 miles | Normal, 32° F- 80° F | Clear, below 20% | Calm, under 5mph (8km/h) |
| | 1 | did occur | Fair, 7-15 miles | Hot, over 80°F (27 C) | Cloudy, 20% to 70% | Moderate, 5 to 15 mph |
| | 2 | - not used - | Poor, under 7 miles | Cold, below 32° F (0 C) | Overcast, over 70% | Strong, over15 mph (24km/h) |

Examples: 00000 = No problem, good visibility, normal temp, clear, calm wind     12121 = Problems, poor visibility, hot, overcast, moderate wind