


|  |   |   |                      |   |   |  |                              |  |
|--|---|---|----------------------|---|---|--|------------------------------|--|
| <br><b>GPS STATION<br/>OBSERVATION<br/>LOG</b><br>April 16, 2003  | Station Designation: (check applicable: <input type="checkbox"/> FBN <input type="checkbox"/> CBN <input type="checkbox"/> PAC <input type="checkbox"/> SAC <input type="checkbox"/> BM)<br><div style="text-align: center; font-size: 1.2em;">PERRY 2008</div> |   | Station PID, if any: |   | Date (UTC):<br><div style="text-align: center; font-size: 1.2em;">3/20/09</div>   |  |                              |  |
|  | General Location:<br><div style="text-align: center; font-size: 1.2em;">PERRYVILLE COMMUNITY PARK PERRYVILLE MD 21903</div>   |   | Airport ID, if any:  |   | Station 4-Character ID:<br><div style="text-align: center; font-size: 1.2em;">PERR</div>  |  |                              |  |
| Project Name:<br><div style="text-align: center; font-size: 1.2em;">CECIL COUNTY HMOD</div>  |   | Project Number:<br><div style="text-align: center; font-size: 1.2em;">GPS-</div>                                |                      | Station Serial # (SSN):   |   | Session ID:(A,B,C etc)<br><div style="text-align: center; font-size: 1.2em;">F</div>   |                              |  |
| NAD83 Latitude<br><div style="text-align: center;">0</div>   |   | NAD83 Longitude<br><div style="text-align: center;">0</div>   |                      | NAD83 Ellipsoidal Height<br><div style="text-align: center;">meters</div>   |   | Agency Full Name:<br><div style="text-align: center; font-size: 1.2em;">G.W. STEPHENS, JR. &amp; ASSOC., INC.</div>  |                              |  |
| Observation Session Times (UTC):<br>Sched. Start _____ Stop _____<br>Actual Start <u>17:37</u> Stop <u>18:10</u>   |   | Epoch<br>Interval= _____ Seconds<br>Elevation<br>Mask = _____ Degrees   |                      | NAVD88 Orthometric Ht.<br><div style="text-align: center;">meters</div>   |   | Operator Full Name:<br><div style="text-align: center; font-size: 1.2em;">JEFFREY W. HAYS</div>  |                              |  |
| GEOID99 Geoid Height<br><div style="text-align: center;">meters</div>  |   | Phone #: <u>(410) 297-2340</u>  |                      | e-mail address: <u>jshaw@gwstephens.com</u>   |   |  |                              |  |
| Receiver Brand & Model:<br><div style="text-align: center; font-size: 1.2em;">TRIMBLE 5800</div>   |   | Antenna Code*, Brand & Model:<br><div style="text-align: center;">P/N:<br/>S/N:<br/>Cable Length, meters:</div> |                      | Antenna plumb before session? <input checked="" type="radio"/> (N) Circle<br>Antenna plumb after session? <input checked="" type="radio"/> (N) Yes or No<br>Antenna oriented to true North? <input checked="" type="radio"/> (N) -If no,<br>Weather observed at antenna ht. <input checked="" type="radio"/> (N) explain<br>Antenna ground plane used? <input checked="" type="radio"/> (N) " |   | Antenna radome used? <input checked="" type="radio"/> (Y) If yes,<br>Eccentric occupation (>0.5 mm)? <input checked="" type="radio"/> (Y) describe.<br>Any obstructions above 10°? <input checked="" type="radio"/> (Y) Use<br>Radio interference source nearby <input checked="" type="radio"/> (Y) Vis. form |                              |  |
| <input type="checkbox"/> CamCorder Battery, <input type="checkbox"/> 12V DC, <input type="checkbox"/> 110V AC, <input type="checkbox"/> Other  |   | Vehicle is Parked _____ meters _____ (direction) from antenna.  |                      |   |   |  |                              |  |
| Tripod or Antenna Mount: Check one:<br><input type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod <input type="checkbox"/> Fixed Mount<br>Brand & Model: <u>SECO</u><br>P/N: <u>5119-00 FLY</u><br>S/N: _____<br>Last Adjustment date: _____ |   | <b>** ANTENNA HEIGHT **</b>   |                      | Before Session Begins:<br>Meters      Feet  |   | After Session Ends:<br>Meters      Feet  |                              |  |
| Psychrometer (if used) Brand & Model:<br><br>P/N:<br>S/N:<br>Last Calibration or check Date:   |   | A= Datum point to Top of Tripod (Tripod Height)   |                      | <div style="text-align: center; font-size: 1.2em;">2.000    6.562    2.000    6.562</div>   |   |  |                              |  |
|  |   | B=Additional offset to ARP if any (Tribach/Spacer)  |                      | <div style="text-align: center; font-size: 1.2em;">0.000    0.000    0.000    0.000</div>   |   |  |                              |  |
|  |   | H= Antenna Height = A + B<br>= Datum Point to Antenna Reference Point (ARP)                                     |                      | <div style="text-align: center; font-size: 1.2em;">2.000    6.562    2.000    6.562</div>   |   |  |                              |  |
|  |   | Meters = Feet x (0.3048)<br>Height Entered Into Receiver = _____ meters.  |                      | Note &/or sketch <b>ANY</b> unusual conditions.<br>Be <b>Very Explicit</b> as to where and how Measured!  |   |  |                              |  |
| Barometer (if used) Brand & Model:<br><br>S/N:   |   | Weather Data  | Weather Codes        | Time (UTC)  | Dry-Bulb Temp<br>Fahrenheit    Celsius  | WetBulb Temp<br>Fahrenheit    Celsius  | Rel. %<br>Humidity           | Atm. Pressure<br>inches Hg    millibar |
|  |   | Before  | <u>01020</u>         | <u>17:37</u>  |   |  |                              |  |
|  |   | Middle  | <u>01010</u>         | <u>17:54</u>  |   |  |                              |  |
|  |   | After   | <u>01022</u>         | <u>18:10</u>  |   |  |                              |  |
| Remarks, Comments on Problems, Sketches, Pencil Rubbing, etc:  |   |   |                      |   |   |  |                              |  |
| 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):<br>(Standard NGS Format = aaaadddd.xxx)<br>where aaaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension   |   |   |                      |   | Updated Station Description: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier<br>Visibility Observation Form: <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Submitted earlier<br>Photographs of Station: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier<br>Pencil Rubbing of Mark: <input type="checkbox"/> Attached |  | LOG CHECKED BY:              |  |
| <b>Table of</b>  |   | CODE  | PROBLEM              | VISIBILITY  | TEMPERATURE   | CLOUD COVER  | WIND                         |  |
| Weather  |   | 0   | did not occur        | Good, over 15 miles   | Normal, 32° F- 80° F  | Clear, below 20%   | Calm, under 5mph (8km/h)     |  |
| Codes  |   | 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, over 15 mph (24km/h) |  |
| Examples:      00000 = No problem, good visibility, normal temp, clear, calm wind      12121 = Problems, poor visibility, hot, overcast, moderate wind   |   |   |                      |   |   |  |                              |  |