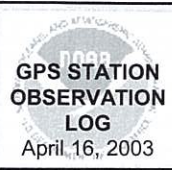


|   |   |  |                      |  |  |  |                 |                                       |  |
|---|---|--|----------------------|--|--|--|-----------------|---------------------------------------|--|
| <br><b>GPS STATION<br/>OBSERVATION<br/>LOG</b><br>April 16, 2003   | Station Designation: (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;">RED HILL</div> |  | Station PID, if any: |  | Date (UTC):<br><div style="text-align: center; font-size: 1.2em;">3-24-2009</div>  |  |                 |                                       |  |
|   | General Location: 150 W Red Hill Rd, Conowingo MD 21918   |  | Airport ID, if any:  |  | Station 4-Character ID:<br><div style="text-align: center; font-size: 1.2em;">RDHL</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;">A</div>   |                 |                                       |  |
| NAD83 Latitude<br><div style="text-align: center;">o</div>  |   | NAD83 Longitude<br><div style="text-align: center;">o</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. and Assoc.</div><br>Operator Full Name: <span style="font-size: 1.2em;">JAMES SHAW</span><br>Phone #: (     ) (410) 297-2340<br>e-mail address: JShaw@gwstephens.com   |                 |                                       |  |
| Observation Session Times (UTC):<br>Sched. Start _____ Stop _____   |   | Epoch Interval= _____ Seconds<br>Elevation _____<br>Mask = _____ Degrees   |                      | NAVD88 Orthometric Ht.<br><div style="text-align: center;">meters</div>  |  |  |                 |                                       |  |
| Actual Start <span style="font-size: 1.2em;">11:34</span> Stop <span style="font-size: 1.2em;">12:15</span>   |   | GEOID99 Geoid Height<br><div style="text-align: center;">meters</div>  |                      |  |  |  |                 |                                       |  |
| Receiver Brand & Model:<br><div style="font-size: 1.2em; margin-top: 10px;">TRIMBLE 4800</div><br>P/N: <span style="font-size: 1.2em;">32119-56</span><br>S/N: <span style="font-size: 1.2em;">0220160895</span><br>Firmware Version: _____<br><input type="checkbox"/> CamCorder Battery, <input checked="" type="checkbox"/> 12V DC, <input type="checkbox"/> 110V AC, <input type="checkbox"/> Other   |   | Antenna Code*, Brand & Model:<br><br>P/N: _____<br>S/N: _____<br>Cable Length, meters: _____<br><br>Vehicle is Parked _____ meters _____ (direction) from antenna. |                      | Antenna plumb before session? <input checked="" type="checkbox"/> (Y/N) Circle<br>Antenna plumb after session? <input checked="" type="checkbox"/> (Y/N) Yes or No<br>Antenna oriented to true North? <input checked="" type="checkbox"/> (Y/N) -If no, explain<br>Weather observed at antenna ht. <input checked="" type="checkbox"/> (Y/N)<br>Antenna ground plane used? <input checked="" type="checkbox"/> (Y/N) |  | Antenna radome used? <input checked="" type="checkbox"/> (Y/N) If yes, describe.<br>Eccentric occupation (>0.5 mm)? <input checked="" type="checkbox"/> (Y/N) Use<br>Any obstructions above 10°? <input checked="" type="checkbox"/> (Y/N) Vis. form<br>Radio interference source nearby <input checked="" type="checkbox"/> (Y/N) |                 |                                       |  |
| Tripod or Antenna Mount: Check one:<br><input checked="" type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod <input type="checkbox"/> Fixed Mount<br>Brand & Model: <span style="font-size: 1.2em;">SECO 2.0 M</span><br>P/N: _____<br>S/N: <span style="font-size: 1.2em;">5119-00-FLY / 1DP55 MAY 04</span><br>Last Adjustment date: <span style="font-size: 1.2em;">3-23-2009</span><br><br>Psychrometer (if used) Brand & Model:<br><br>P/N: _____<br>S/N: _____<br>Last Calibration or check Date: _____ |   | ** ANTENNA HEIGHT **   |                      | Before Session Begins:<br>Meters     Feet  |  | After Session Ends:<br>Meters     Feet   |                 |                                       |  |
|   |   | A= Datum point to Top of Tripod (Tripod Height)  |                      | 2.000  |  | 6.562  |                 |                                       |  |
|   |   | B=Additional offset to ARP if any (Tribrach/Spacer)  |                      | 0.000  |  | 0.000  |                 |                                       |  |
|   |   | H= Antenna Height = A + B<br>= Datum Point to Antenna Reference Point (ARP)  |                      | 2.000  |  | 6.562  |                 |                                       |  |
|   |   | Meters = Feet x (0.3048)<br>Height Entered Into Receiver = _____ meters. Be <b>Very Explicit</b> as to where and how Measured!                                     |                      | 2.000  |  | 6.562  |                 |                                       |  |
| 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. % Humidity | Atm. Pressure<br>inches Hg   millibar |  |
|   |   | Before   | 00200                | 11:34  |  |  |                 |                                       |  |
|   |   | Middle   | 00200                | 11:55  |  |  |                 |                                       |  |
|   |   | After  | 00200                | 12:15  |  |  |                 |                                       |  |
| Remarks, Comments on Problems, Sketches, Pencil Rubbing, etc:<br><br><br><br><br><br><br><br><br><br><div style="font-size: 0.8em; margin-top: 10px;">Weather codes are required. Weather data are optional but encouraged. *Antenna code comes from ant_info file furnished by project coordinator.</div>  |   |  |                      |  |  |  |                 |                                       |  |
| Data File Name(s):<br>(Standard NGS Format = aaaaddds.xxx)<br><small>where aaaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension</small>   |   |  |                      |  | Updated Station Description: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier<br>Visibility Observation Form: <input checked="" 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:                       |  |
| Table of  | CODE  | PROBLEM  | VISIBILITY           | TEMPERATURE  | CLOUD COVER  | WIND   |                 |                                       |  |
| Weather Codes   | 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, over 15 mph (24km/h)   |                 |                                       |  |
| Examples: 00000 = No problem, good visibility, normal temp, clear, calm wind     12121 = Problems, poor visibility, hot, overcast, moderate wind  |   |  |                      |  |  |  |                 |                                       |  |