SEE GPS 60, AS REPLACEMENT FOR GPS 1
AND GPS 60 AZ, AS REPLACEMENT FOR GPS 1AZ.
Station Designation (Check applicable: × GEO. CNTRL. __Trav. PT. __BM) Stat 4-Char ID: ______ Day of Year: ______

Project Name: Geodetic Monument Project Number: GPS-004B Session ID: (A,B,C,etc.)
NAD83 Latitude: 32° 58' 57.30184 ft./meters
NAD83 Longitude: 96° 38' 28.18911 ft./meters
NAD83 Ellipsoidal Height NAD83 Orthometric Height
Agency Full Name: City of Garland

Observation Session Time 132.332 ft./meters
Sched. Start: ______ Stop: ______ NAVD88 Orthometric Height Operator Full Name: Toney E. Gibson
Actual Start: 9:30 AM Stop: 1:35 PM 158.187 ft./meters
Epoch Interval = 10 Seconds GEOID03 Geoid Height Phone# (972) 205-2157
Elevation Mask = ______ Degrees ft./meters E-mail: gbreysac@ci.garland.tx.us

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna Comments: 4HRS STATIC DATA RECORDED.
Base: X Rover: NOTE: ELEV. 518.99 IS ORTHO. HT. CALC. BY OPUS.
P/N: 01-840802-03 P/N: 01-840802-03
S/N: 263-0243 S/N: 263-0233
ID: 8QATEMNVCHS ID: 8OKPW2V2RR4

** ANTENNA HEIGHT ** Meters Feet NAD83 TXNC (4202)
Slant Height to ARP: 1.690 5.28 N = 7045453.57967
Vertical Height to ARP: 
Meters = Feet x (0.3048) Note: &/or sketch ANY unusual conditions be Very Explicit as to where and how Measured.
Height Entered into receiver = 1.576 Meters.

LOG Checked By: Data File Name(s): (standard NGS Format = aaaaaddds.xxx)

GPS 4B, 2" BRASS DISK STAMPED 4B, LOCATED IN W. MEDIAN NOSE OF THE INT. OF N. GARLAND RD. AND W. CAMPBELL RD. APPROX. 74° W. OF W. CAMPBELL RD. & N. GARLAND AVE. INT.
***COG MAP GRID A-7***MAPSCO 9-R***

Table of Weather

<table>
<thead>
<tr>
<th>Problem</th>
<th>Visibility</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Wind</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td>GOOD</td>
<td>75°</td>
<td>CLEAR</td>
<td>5 - 10 MPH</td>
</tr>
</tbody>
</table>
Any obstructions above 10°? (Y/N) Radio Interference source nearby? (Y/N)
RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

4/28/2008
Reference Meridian = 0° 00' 00"
Center of metal highline tower
Approx. 2 1/2 tenths of a mile
Southeast on Bunker Hill Road &
Approx. 400' South of Road.
### GPS Station Observation Log

**Project Name:** Geodetic Monument  
**Project Number:** GPS-10B  
**Station PID, if any:** GPS 10B  
**Date:** 7/12/2007

- **NAD83 Latitude:** 32 57 57.36418  
- **NAD83 Longitude:** 96 36 11.88431  
- **NAD83 Ellipsoidal Height:** 161.738  
- **NAVD88 Orthometric Height:** 135,985 ft./meters  
- **Comments:**
  - 1.648 ft./meters N = 5.30 ft./meters E = 1.6154 ft./meters Z =
  - **SF:**
  - **Height Entered into receiver:**
    - **Meters:** 1.6154  
    - **Feet:**
    - **Phone# (972) 205 - 2157**
    - **E-mail:** gbreysac@ci.garland.tx.us

- **Receiver Brand & Model:** Topcon Hiper Lite-Internal Antenna  
- **P/N:** 01-840802-03  
- **S/N:** 263-0233

**Meters = Feet x (0.3048)**

<table>
<thead>
<tr>
<th><strong>ANTENNA HEIGHT</strong></th>
<th><strong>Meters</strong></th>
<th><strong>Feet</strong></th>
<th><strong>NAD83 TXNC (4202)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Slant Height to ARP:</td>
<td>1.648</td>
<td>5.410</td>
<td>N = 7039604.84500</td>
</tr>
<tr>
<td>Vertical Height to ARP:</td>
<td>1.6154</td>
<td>Z = 530.67*</td>
<td></td>
</tr>
<tr>
<td><strong>Elevation Mask = Degrees</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Base</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rover</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **GEOID03 Geoid Height**
- **Phone# (972) 205 - 2157**
- **E-mail:** gbreysac@ci.garland.tx.us

**LOG Checked By:**

- **Data File Name(s):**
  - (standard NGS Format = aaaaddds.xxx)
  - aaa=4 character ID, ddd=Day of Year,

**Notes:**

- ELEV. 530.635 IS ORTHO HT. CALC. BY OPUS.
- **LEVEL LOOP FROMNGS 1337 Elev. 530.67 NO TE:** GPS 10B IS A REPLACEMENT FOR GPS 10

---

**Table of Weather**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Visibility</th>
<th>Temperature</th>
<th>Cloud Cover</th>
<th>Wind</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Good</td>
<td>98°</td>
<td>Cloudy</td>
<td>5 - 10 MPH</td>
</tr>
</tbody>
</table>

- **Any obstructions above 10°?**  
- **Radio Interference source nearby?**  
- **RPLS:** GSB  
- **P.Chief:** TG  
- **Field Tech:** KW  
- **Field Tech:** CW

---

**GPS 10B, 2" BRASS DISK STAMPED 10B, LOCATED ON HEADWALL, APPROX. 25' N.W. OF BEN DAVIS RD C/L**

**AND APPROX. 55.70' S.W. OF BUNKER HILL RD.**

*****CO MAP GRID B-10*** MAPSCO 9A-X***

---

**4/28/2008**
THE ORIGINAL GPS #14 WAS EITHER DESTROYED, OR
RENDERED USELESS BY CONSTRUCTION
NEW POINT WAS NUMBERED GPS #61
AND IT'S AZIMUTH AS 61 AZ
HOUSE #717

3' CONC. S.W.

18 AZ

0.5'

13'

WORCESTER

4' WALK

6'

TO GPS 18

30' PAVEMENT

Garland Monument
GPS AZIMUTH 18
REFERENCE MERIDIAN = 0' 00" 00' 00"
Corner of Wall at Northwest corner of Bridge.
• DUE TO SIGHT RESTRICTIONS,
GPS 24 WAS REPLACED BY GPS 62
(GPS 24 WAS NOT DISTURBED).
AZIMUTH 25 HAS BEEN DESTROYED AND HAS NOT BEEN REPLACED AT THIS TIME