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|---|---|------------------------------------|--|
|  GPS STATION OBSERVATION LOG April 16, 2003 | Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC __ BM) TREP | Station PID, if any: NIA | Date (UTC): Jan 21, 2006 |
| | General Location: Bayou TREPAGNER PUMP STATION | Airport ID, if any: | Station 4-Character ID: TREP |

| | | | |
|--|--------------------------------|---------------------------------------|------------------------------------|
| Project Name: IPET TOL / PHASE 213 | Project Number: GPS- | Station Serial # (SSN): NIA | Session ID:(A,B,C etc) 2 |
|--|--------------------------------|---------------------------------------|------------------------------------|

| | | | |
|---|---|--|--|
| NAD83 Latitude 30° 01' 27.23N | NAD83 Longitude 090° 24' 03.69W | NAD83 Ellipsoidal Height meters | Agency Full Name: 3001, INC Operator Full Name: VE RRON MCNEAL Phone #: (703) 574-2336 e-mail address: |
| Observation Session Times (UTC): Sched. Start _____ Stop 21:45 Actual Start 20:44 Stop 21:44 | | Epoch Interval = 15 Seconds Elevation Mask = 13 Degrees | |

| | | |
|--|--|--|
| Receiver Brand & Model: Trimble 4000SSI P/N: 2840-11 S/N: 3608A14652 Firmware Version: | Antenna Code*, Brand & Model: Trimble comp L1/L2 w/ged plane P/N: 22020-06 S/N: 0220050496 Cable Length, meters: 5.15m | Antenna plumb before session? (Y/N) <input checked="" type="checkbox"/> (N) Circle Antenna plumb after session? (Y/N) <input checked="" type="checkbox"/> (N) Yes or No Antenna oriented to true North? (Y/N) <input checked="" type="checkbox"/> (N) -If no, Weather observed at antenna ht. (Y/N) <input checked="" type="checkbox"/> (N) explain Antenna ground plane used? (Y/N) <input checked="" type="checkbox"/> (N) " |
| <input type="checkbox"/> CamCorder Battery, <input checked="" type="checkbox"/> 12V DC, <input type="checkbox"/> 110V AC, <input type="checkbox"/> Other | Vehicle is Parked 30 meters N (direction) from antenna. | Antenna radome used? (Y/N) <input type="checkbox"/> (N) If yes, Eccentric occupation (>0.5 mm)? (Y/N) <input checked="" type="checkbox"/> (N) describe. Any obstructions above 10°? (Y/N) <input type="checkbox"/> (N) Use Radio interference source nearby (Y/N) <input type="checkbox"/> (N) Vis. form |

| | | | | | |
|---|--|--------------|--|---|--------------|
| Tripod or Antenna Mount: Check one: <input checked="" type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod <input type="checkbox"/> Fixed Mount Brand & Model: SECO P/N: S/N: Last Adjustment date: Psychrometer (if used) Brand & Model: P/N: NIA 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 | 2.000 | 2.000 | 2.000 |
| | B = Additional offset to ARP if any (Tribrach/Spacer) | 0.063 | 0.063 | 0.063 | 0.063 |
| | H = Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | 2.063 | 2.063 | 2.063 | 2.063 |
| | Meters = Feet x (0.3048) Height Entered Into Receiver = 2.000 meters. <i>UNCOR</i> Note &/or sketch ANY unusual conditions. Be Very Explicit as to where and how Measured! | | | | |

| Barometer (if used) Brand & Model: S/N: NIA | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp | | WetBulb Temp | | Rel. % Humidity | Atm. Pressure | | |
|---|--------------|---------------|------------|---------------|---------|--------------|---------|-----------------|---------------|----------|--|
| | | | | Fahrenheit | Celsius | Fahrenheit | Celsius | | inches Hg | millibar | |
| | Before | | | | | | | | | | |
| | Middle | | | | | | | | | | |
| After | | | | | | | | | | | |

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): TREP 0212.DAT <small>(Standard NGS Format = aaaaddds.xxx) 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 Visibility Obstruction Form: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Photographs of Station: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Pencil Rubbing of Mark: <input type="checkbox"/> 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, over 15 mph (24km/h) |

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

GPS STATION OBSERVATION LOG
 April 16, 2003

Station Designation: (check applicable: FBN CBN PAC SAC BM) **TREP**
 Station PID, if any: **NIA**
 Date (UTC): **JAN 21, 2006**

General Location: **BAYOU TREPAGNIER PUMP STATION**
 Airport ID, if any:
 Station 4-Character ID: **TREP**
 Day of Year: **021**

Project Name: **IPET TO 6 / PHASE 2B3**
 Project Number: **GPS-**
 Station Serial # (SSN): **NIA**
 Session ID: (A,B,C etc) **J**

NAD83 Latitude: **30° 01' 27.23N**
 NAD83 Longitude: **090° 24' 03.69W**
 NAD83 Ellipsoidal Height: _____ meters
 NAVD88 Orthometric Ht.: _____ meters
 GEOID99 Geoid Height: _____ meters

Agency Full Name: **3001, INC**
 Operator Full Name: **VERNON MCNEELY**
 Phone #: **(703) 574-2336**
 e-mail address: _____

Observation Session Times (UTC):
 Sched. Start: _____ Stop: **17:45**
 Actual Start: **16:44** Stop: **17:45**
 Epoch Interval: **15** Seconds
 Elevation Mask: **13** Degrees

Receiver Brand & Model:
Trimble Com 4000SS
Antenna Code*, Brand & Model:
Trimble Com L7/L2 w/gate ramp

P/N: **2810-11**
 S/N: **3608A24652**
 Firmware Version: _____
 P/N: **22020-00**
 S/N: **0220050496**
 Cable Length, meters: **5.15m**

CamCorder Battery, 12V DC, 110V AC, Other
 Vehicle is Parked _____ meters _____ (direction) from antenna.

Antenna plumb before session? (Y/N) _____ Circle
 Antenna plumb after session? (Y/N) _____ Yes or No
 Antenna oriented to true North? (Y/N) _____ -If no, 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) _____ Use
 Any obstructions above 10'? (Y/N) _____ Use
 Radio interference source nearby (Y/N) _____ Vis. form

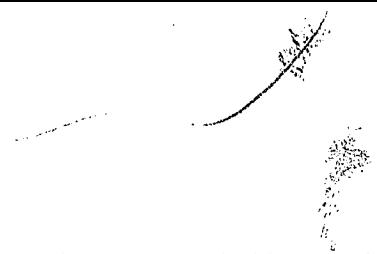
Tripod or Antenna Mount: Check one:
 Fixed-Leg Tripod, Collapsible-leg tripod, Fixed Mount
 Brand & Model: **SECO**
 P/N: _____
 S/N: _____
 Last Adjustment date: **01-21-06**

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

| ** ANTENNA HEIGHT ** | | Before Session Begins: | After Session Ends: |
|---|--|------------------------|---------------------|
| | | Meters | Feet |
| A = Datum point to Top of Tripod (Tripod Height) | | 2.000 | 2.066 |
| B = Additional offset to ARP if any (Tribrach/Spacer) | | 0.063 | 0.063 |
| H = Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | | 2.063 | 2.063 |

Meters = Feet x (0.3048) **N/A** Note &/or sketch ANY unusual conditions.
 Height Entered Into Receiver = **2.000** meters. Be Very Explicit as to where and how Measured!

| Barometer (if used) Brand & Model: | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit Celsius | WetBulb Temp Fahrenheit Celsius | Rel. % Humidity | Atm. Pressure inches Hg millibar |
|------------------------------------|--------------|---------------|------------|----------------------------------|---------------------------------|-----------------|----------------------------------|
| S/N: NIA | Before | | | | | | |
| | Middle | | | | | | |
| | After | | | | | | |

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): **TREP 0212.DAT**
 (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, over 15 mph (24km/h) |

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

GPS STATION OBSERVATION LOG
 April 16, 2003

Station Designation: (check applicable: ___ FBN ___ CBN ___ PAC ___ SAC ___ BM) **SCH E**
 General Location: **SIE side of E. Harding St. / St. CHARLES, PAINSA**
 Airport ID, if any:

Station PID, if any: **N/A**
 Station 4-Character ID: **SCH E**
 Date (UTC): **JAN 21, 2006**
 Day of Year: **021**

Project Name: **IPEI TO 6 / PHASE 213**
 Project Number: **GPS-**
 Station Serial # (SSN): **N/A**
 Session ID: (A,B,C etc) **2**

NAD83 Latitude: **29° 58' 56.08" N**
 NAD83 Longitude: **90° 22' 48.32" W**
 NAD83 Ellipsoidal Height: _____ meters
 NAVD88 Orthometric Ht.: _____ meters
 GEOID99 Geoid Height: _____ meters

Observation Session Times (UTC):
 Sched. Start: _____ Stop: **20:27**
 Actual Start: **19:26** Stop: **20:27**
 Epoch Interval: **15** Seconds
 Elevation Mask: **13** Degrees

Agency Full Name: **3001, INC**
 Operator Full Name: **VERNON ME NEY**
 Phone #: () _____
 e-mail address: _____

Receiver Brand & Model: **Trimble 4000 SSI**
 P/N: **2840-11**
 S/N: **3608A14652**
 Firmware Version: _____

Antenna Code*, Brand & Model: **Trimble com 4/12 w/god PLAS**
 P/N: **22020-00**
 S/N: **022005096**
 Cable Length, meters: **5.85**
 Vehicle is Parked **20** meters **N** (direction) from antenna.

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

CamCorder Battery, 12V DC, 110V AC, Other
 Antenna radome used? (Y/N) **(Y/N)** If yes,
 Eccentric occupation (>0.5 mm)? (Y/N) **(Y/N)** describe.
 Any obstructions above 10°? (Y/N) **(Y/N)** Use
 Radio interference source nearby (Y/N) **(Y/N)** Vis. form

Tripod or Antenna Mount: Check one:
 Fixed-Leg Tripod, Collapsible-leg tripod, Fixed Mount
 Brand & Model: **SECO**
 P/N: _____
 S/N: _____
 Last Adjustment date: _____

**** ANTENNA HEIGHT ****

| | Before Session Begins: | | After Session Ends: | |
|---|------------------------|------|---------------------|------|
| | Meters | Feet | Meters | Feet |
| A = Datum point to Top of Tripod (Tripod Height) | 2.000 | | 2.000 | |
| B = Additional offset to ARP if any (Tribrach/Spacer) | 0.063 | | 0.063 | |
| H = Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | 2.063 | | 2.063 | |

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

Meters = Feet x (0.3048)
 Height Entered Into Receiver = **2.000** meters. Note &/or sketch ANY unusual conditions.
 Be Very Explicit as to where and how Measured!

| Barometer (if used) Brand & Model: S/N: N/A | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit Celsius | WetBulb Temp Fahrenheit Celsius | Rel. % Humidity | Atm. Pressure inches Hg millibar |
|---|--------------|---------------|------------|-------------------------------------|------------------------------------|--------------------|-------------------------------------|
| | Before | | | | | | |
| | Middle | | | | | | |
| | After | | | | | | |

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): **SCH E 021 2.DA1**
 (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, over 15 mph (24km/h) |

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

| | | | |
|--|---|------------------------------------|--|
|  GPS STATION OBSERVATION LOG April 16, 2003 | Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC __ BM) SCHE | Station PID, if any: NIA | Date (UTC): JAN 21, 2006 |
| | General Location: S/E side of E. Harding St. / St. Charles Parrish | Airport ID, if any: SCHE | Station 4-Character ID: SCHE |

| | | | |
|--|--------------------------------|---------------------------------------|-------------------------------------|
| Project Name: IPET TOG / Phase 213 | Project Number: GPS- | Station Serial # (SSN): NIA | Session ID: (A,B,C etc) 1 |
|--|--------------------------------|---------------------------------------|-------------------------------------|

| | | | |
|--|--|------------------------------------|--|
| NAD83 Latitude 29° 58' 56.08" N | NAD83 Longitude 90° 22' 48.32" W | NAD83 Ellipsoidal Height meters | Agency Full Name: 3001, INC |
| Observation Session Times (UTC): Sched. Start _____ Stop 16:26 | Epoch Interval = 15 Seconds | NAVD88 Orthometric Ht. meters | Operator Full Name: VERNON. McWay |
| Actual Start 15:25 Stop 16:26 | Elevation Mask = 13 Degrees | GEOID99 Geoid Height meters | Phone #: (703) 574-2336 |
| | | | e-mail address: |

| | | | |
|--|---|---|---|
| Receiver Brand & Model: TRIMBLE 4000 SSI | Antenna Code*, Brand & Model: TRIMBLE comp. L2112 w/gnd plane | Antenna plumb before session? <input checked="" type="checkbox"/> (Y/N) Circle | Antenna plumb after session? <input checked="" type="checkbox"/> (Y/N) Yes or No |
| P/N: 2846-11 | P/N: 22020-06 | Antenna oriented to true North? <input checked="" type="checkbox"/> (Y/N) -If no, explain | Weather observed at antenna ht. <input checked="" type="checkbox"/> (Y/N) explain |
| S/N: 3608A14652 | S/N: 0220050496 | Antenna ground plane used? <input checked="" type="checkbox"/> (Y/N) | |
| Firmware Version: | Cable Length, meters: 5.15m | Antenna radome used? <input type="checkbox"/> (Y/N) If yes, describe. | Eccentric occupation (>0.5 mm)? <input type="checkbox"/> (Y/N) Use |
| <input type="checkbox"/> CamCorder Battery, <input checked="" type="checkbox"/> 12V DC, <input type="checkbox"/> 110V AC, <input type="checkbox"/> Other | Vehicle is Parked 20 meters N (direction) from antenna. | Any obstructions above 10'? <input type="checkbox"/> (Y/N) Use | Radio interference source nearby <input type="checkbox"/> (Y/N) Vis. form |

| | | | | | |
|--|--|--------------|------------------------|---------------------|------|
| Tripod or Antenna Mount: Check one: <input checked="" type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod, <input type="checkbox"/> Fixed Mount Brand & Model: SECO P/N: S/N: Last Adjustment date: 01-21-06 Psychrometer (if used) Brand & Model: P/N: NIA S/N: Last Calibration or check Date: | ** ANTENNA HEIGHT ** | | Before Session Begins: | After Session Ends: | |
| | | Meters | Feet | Meters | Feet |
| | A= Datum point to Top of Tripod (Tripod Height) | 2.000 | | 2.000 | |
| | B= Additional offset to ARP if any (Tribrach/Spacer) | 0.063 | | 0.063 | |
| | H= Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | 2.063 | | | |
| Meters = Feet x (0.3048) UNLESS Note &/or sketch ANY unusual conditions. Height Entered Into Receiver = 2.000 meters. Be Very Explicit as to where and how Measured! | | | | | |


| Barometer (if used) Brand & Model: S/N: NIA | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit Celsius | WetBulb Temp Fahrenheit Celsius | Rel. % Humidity | Atm. Pressure Inches Hg millibar |
|---|--------------|---------------|--------------|-------------------------------------|------------------------------------|-----------------|-------------------------------------|
| | Before | | 02120 | | | | |
| Middle | | | | | | | |
| After | | | | | | | |

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): SCHE 0211.DAT | Updated Station Description: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier | LOG CHECKED BY: |
| (Standard NGS Format = aaaaddds.xxx) where aaqa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension | Visibility Obstruction Form: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier | |
| | Photographs of Station: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier | |
| | Pencil Rubbing of Mark: <input type="checkbox"/> Attached | |

| 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, over 15 mph (24km/h) |
| Examples: | 00000 = No problem, good visibility, normal temp, clear, calm wind | | 12121 = Problems, poor visibility, hot, overcast, moderate wind | | | |


Station Designation: (check applicable: ___ FBN ___ CBN ___ PAC ___ SAC ___ BM) ORM2
General Location: ORMUND PUMP STATION DUNLIETH DR, St. Charles **Station PID, if any:** N/A **Date (UTC):** JAN 21, 2006
Project Name: IPEI TO 6 / PHASE 213 **Project Number:** GPS- **Station 4-Character ID:** ORM2 **Day of Year:** 021

Agency Full Name: 3001, INC
Operator Full Name: VERNON McNEELY
Phone #: (703) 574-2336
e-mail address: _____
Antenna plumb before session? (Y/N) (X/N) **Circle**
Antenna plumb after session? (Y/N) (X/N) **Yes or No**
Antenna oriented to true North? (Y/N) (X/N) **-If no,**
Weather observed at antenna ht. (Y/N) (X/N) **explain**
Antenna ground plane used? (Y/N) (Y/N) **"**
Antenna radome used? (Y/N) (Y/N) **If yes,**
Eccentric occupation (>0.5 mm)? (Y/N) (Y/N) **describe.**
Any obstructions above 10°? (Y/N) (Y/N) **Use**
Radio interference source nearby (Y/N) (Y/N) **Vis. form**

Receiver Brand & Model: Trimble 4000SSI
Antenna Code*, Brand & Model: Trimble COMP L1/L2 w/gld McNeely
P/N: 2840-11 **P/N:** 22020-00
S/N: 3608A14652 **S/N:** 022 0050496
Firmware Version: _____ **Cable Length, meters:** 5.15m
 CamCorder Battery, 12V DC, 110V AC, Other **Vehicle is Parked** 30 meters N (direction) from antenna.

Tripod or Antenna Mount: Check one:
 Fixed-Leg Tripod, Collapsible-leg tripod, Fixed Mount
Brand & Model: SECO
P/N: _____
S/N: _____
Last Adjustment date: 01-21-06
Psychrometer (if used) Brand & Model: _____
P/N: N/A
S/N: _____
Last Calibration or check Date: _____

| ** ANTENNA HEIGHT ** | | Before Session Begins: | | After Session Ends: | |
|---|--|------------------------|------|---------------------|------|
| | | Meters | Feet | Meters | Feet |
| A= Datum point to Top of Tripod (Tripod Height) | | 2.000 | | 2.006 | |
| B= Additional offset to ARP if any (Tribrach/Spacer) | | 0.063 | | 0.063 | |
| H= Antenna Height = A + B | | 2.063 | | 2.063 | |
| = Datum Point to Antenna Reference Point (ARP) | | | | | |

Meters = Feet x (0.3048)
Height Entered Into Receiver = 2.000 ^{unclear} **meters. Be Very Explicit as to where and how Measured!**

| Barometer (if used) Brand & Model: | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit | Celsius | WetBulb Temp Fahrenheit | Celsius | Rel. % Humidity | Atm. Pressure inches Hg | millibar | |
|------------------------------------|-----------------|---------------|------------|--------------------------|---------|-------------------------|---------|-----------------|-------------------------|----------|--|
| | S/N: <u>N/A</u> | Before | | | | | | | | | |
| | | Middle | | | | | | | | | |
| | | After | | | | | | | | | |

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): ORM2 021 2.DAT **Updated Station Description:** Attached Submitted earlier
(Standard NGS Format = aaaaddds.xxx) **Visibility Obstruction Form:** Attached Submitted earlier
 where aaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension **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, over 15 mph (24km/h) |

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

| | | | |
|--|--|---|--|
| | Station Designation: (check applicable: ___ FBN ___ CBN ___ PAC ___ SAC ___ BM) ORM2 | Station PID, if any: NONE | Date (UTC): JAN 21, 2004 |
| | General Location: ORMOND Pump STATION | Airport ID, if any: St. Charles Parish LA DONLEIGH 01 LA | Station 4-Character ID: ORM2 |

| | | | |
|---|--------------------------------|---------------------------------------|-------------------------------------|
| Project Name: IPET TO G 1 PHASE 213 | Project Number: GPS- | Station Serial # (SSN): N/A | Session ID: (A,B,C etc) 1 |
|---|--------------------------------|---------------------------------------|-------------------------------------|

| | | | |
|---|--|------------------------------------|---|
| NAD83 Latitude 29° 51' 40.96" N | NAD83 Longitude 090° 22' 06.41" W | NAD83 Ellipsoidal Height meters | Agency Full Name: 3001, INC Operator Full Name: VERNON McNEPP Phone #: (504) 574-2336 e-mail address: |
| Observation Session Times (UTC); Sched. Start - Stop 14:44 | Epoch Interval = 15 Seconds Elevation Mask = 15 Degrees | NAVD88 Orthometric Ht. meters | |
| Actual Start 13:43 Stop 14:44 | GEOID99 Geoid Height meters | | |

| | | | |
|--|--|---|--|
| Receiver Brand & Model: Trimble 4000 SSI | Antenna Code*, Brand & Model: Trimble Comp. L1/L2 w/iso PLAP | Antenna plumb before session? (Y/N) (Y/N) Circle Antenna plumb after session? (Y/N) (Y/N) Yes or No Antenna oriented to true North? (Y/N) (Y/N) -If no, explain Weather observed at antenna ht. (Y/N) (Y/N) Antenna ground plane used? (Y/N) (X/N) " | |
| P/N: 2890-11 S/N: 3608A14652 Firmware Version: | P/N: 22020-00 S/N: 0220050496 Cable Length, meters: 5.15M | Antenna radome used? (Y/N) (Y/N) If yes, describe. Eccentric occupation (>0.5 mm)? (Y/N) (Y/N) Use Any obstructions above 10'? (Y/N) (Y/N) Radio interference source nearby (Y/N) (Y/N) Vis. form | |
| <input type="checkbox"/> CamCorder Battery, <input checked="" type="checkbox"/> 12V DC, <input type="checkbox"/> 110V AC, <input type="checkbox"/> Other | Vehicle is Parked 20 meters N (direction) from antenna. | | |

| | | | | | | |
|---|---|--|------------------------|------|---------------------|------|
| Tripod or Antenna Mount: Check one: <input checked="" type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod <input type="checkbox"/> Fixed Mount Brand & Model: SECO P/N: S/N: Last Adjustment date: 01-21-06 Psychrometer (if used) Brand & Model: P/N: N/A S/N: Last Calibration or check Date: | ** ANTENNA HEIGHT ** | | Before Session Begins: | | After Session Ends: | |
| | | | Meters | Feet | Meters | Feet |
| | A= Datum point to Top of Tripod (Tripod Height) | | 2.000 | | 2.000 | |
| | B= Additional offset to ARP if any (Tribrach/Spacer) | | 0.063 | | 0.063 | |
| | H= Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | | 2.063 | | 2.063 | |
| Meters = Feet x (0.3048) UNCOR. Note &/or sketch ANY unusual conditions. Height Entered Into Receiver = 2.000 meters. Be Very Explicit as to where and how Measured! | | | | | | |

| Barometer (if used) Brand & Model: S/N: N/A | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp Fahrenheit Celsius | WetBulb Temp Fahrenheit Celsius | Rel. % Humidity | Atm. Pressure inches Hg millibar |
|---|--------------|---------------|------------|-------------------------------------|------------------------------------|--------------------|-------------------------------------|
| | Before | | | | | | |
| | Middle | | | | | | |
| | After | | | | | | |


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): ORM2 021.DAT | Updated Station Description: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Visibility Obstruction Form: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Photographs of Station: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Pencil Rubbing of Mark: <input type="checkbox"/> 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, over 15 mph (24km/h) |

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

| | | | |
|--|---|----------------------|--|
|  GPS STATION OBSERVATION LOG April 16, 2003 | Station Designation: (check applicable: __ FBN__ CBN__ PAC__ SAC __ BM) | Station PID, if any: | Date (UTC): |
| | KENN General Location: <i>Kenner, LA</i> | Airport ID, if any: | <i>AL3301</i> Station 4-Character ID: <i>KENN</i> |

| | | | |
|----------------------------|----------------------------------|-------------------------|-------------------------|
| Project Name: <i>IPETG</i> | Project Number: <i>GPS- 1358</i> | Station Serial # (SSN): | Session ID: (A,B,C etc) |
|----------------------------|----------------------------------|-------------------------|-------------------------|

| | | | |
|---|--|--|--|
| NAD83 Latitude <i>29° 58' 25.77"</i> | NAD83 Longitude <i>90° 16' 48.28"</i> | NAD83 Ellipsoidal Height <i>-18.75</i> meters | Agency Full Name: <i>3001, INC.</i> Operator Full Name: <i>Maurice Hawkins</i> Phone #: <i>(703) 574-2336</i> e-mail address: |
| Observation Session Times (UTC): Sched. Start _____ Stop _____ | | NAVD88 Orthometric Ht. <i>7.475</i> meters | |
| Actual Start <i>13:38</i> Stop <i>21:46</i> | | GEOID99 Geoid Height <i>-26.20</i> meters | |

| | | |
|--|--|---|
| Receiver Brand & Model: <i>Trimble 4000SE</i> | Antenna Code*, Brand & Model: <i>Trimble Comp 4/2 w/90 Plane</i> | Antenna plumb before session? <input checked="" type="radio"/> N <input type="radio"/> Y Circle Antenna plumb after session? <input checked="" type="radio"/> N <input type="radio"/> Y Yes or No Antenna oriented to true North? <input checked="" type="radio"/> N <input type="radio"/> Y -If no, Weather observed at antenna ht. <input checked="" type="radio"/> N <input type="radio"/> Y explain Antenna ground plane used? <input checked="" type="radio"/> N <input type="radio"/> Y " |
| P/N: <i>21000-3.1</i> S/N: <i>3403A04927</i> Firmware Version: <i>7.29</i> | P/N: <i>22020-00</i> S/N: <i>0220024415</i> Cable Length, meters: <i>9.35m</i> | Antenna radome used? <input checked="" type="radio"/> N <input type="radio"/> Y If yes, Eccentric occupation (>0.5 mm)? <input checked="" type="radio"/> N <input type="radio"/> Y describe. Any obstructions above 10°? <input checked="" type="radio"/> N <input type="radio"/> Y Use Radio interference source nearby <input checked="" type="radio"/> N <input type="radio"/> Y Vis. form |
| <input type="checkbox"/> CamCorder Battery, <input checked="" 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: <input checked="" type="checkbox"/> Fixed-Leg Tripod, <input type="checkbox"/> Collapsible-leg tripod <input type="checkbox"/> Fixed Mount Brand & Model: <i>Seco</i> P/N: <i>5115-06-4EL</i> S/N: Last Adjustment date: <i>01-21-2006</i> Psychrometer (if used) Brand & Model: P/N: S/N: Last Calibration or check Date: | ** ANTENNA HEIGHT ** | | Before Session Begins: | | After Session Ends: | |
| | | | Meters | Feet | Meters | Feet |
| | A= Datum point to Top of Tripod (Tripod Height) | | <i>2.000</i> | <i>6.562</i> | <i>2.000</i> | <i>6.562</i> |
| | B= Additional offset to ARP if any (Tribrach/Spacer) | | <i>0.063</i> | <i>0.206</i> | <i>0.063</i> | <i>0.206</i> |
| | H= Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | | <i>2.063</i> | <i>6.768</i> | <i>2.063</i> | <i>6.768</i> |
| Meters = Feet x (0.3048) Note &/or sketch ANY unusual conditions. Height Entered Into Receiver = <i>2.000</i> meters. Be Very Explicit as to where and how Measured! | | | | | | |

| Barometer (if used) Brand & Model: | Weather Data | Weather Codes | Time (UTC) | Dry-Bulb Temp | | WetBulb Temp | | Rel. % Humidity | Atm. Pressure | |
|------------------------------------|--------------|---------------|------------|---------------|---------|--------------|---------|-----------------|---------------|----------|
| | | | | Fahrenheit | Celsius | Fahrenheit | Celsius | | inches Hg | millibar |
| S/N: | Before | <i>01020</i> | | | | | | | | |
| | Middle | | | | | | | | | |
| | After | <i>01020</i> | | | | | | | | |

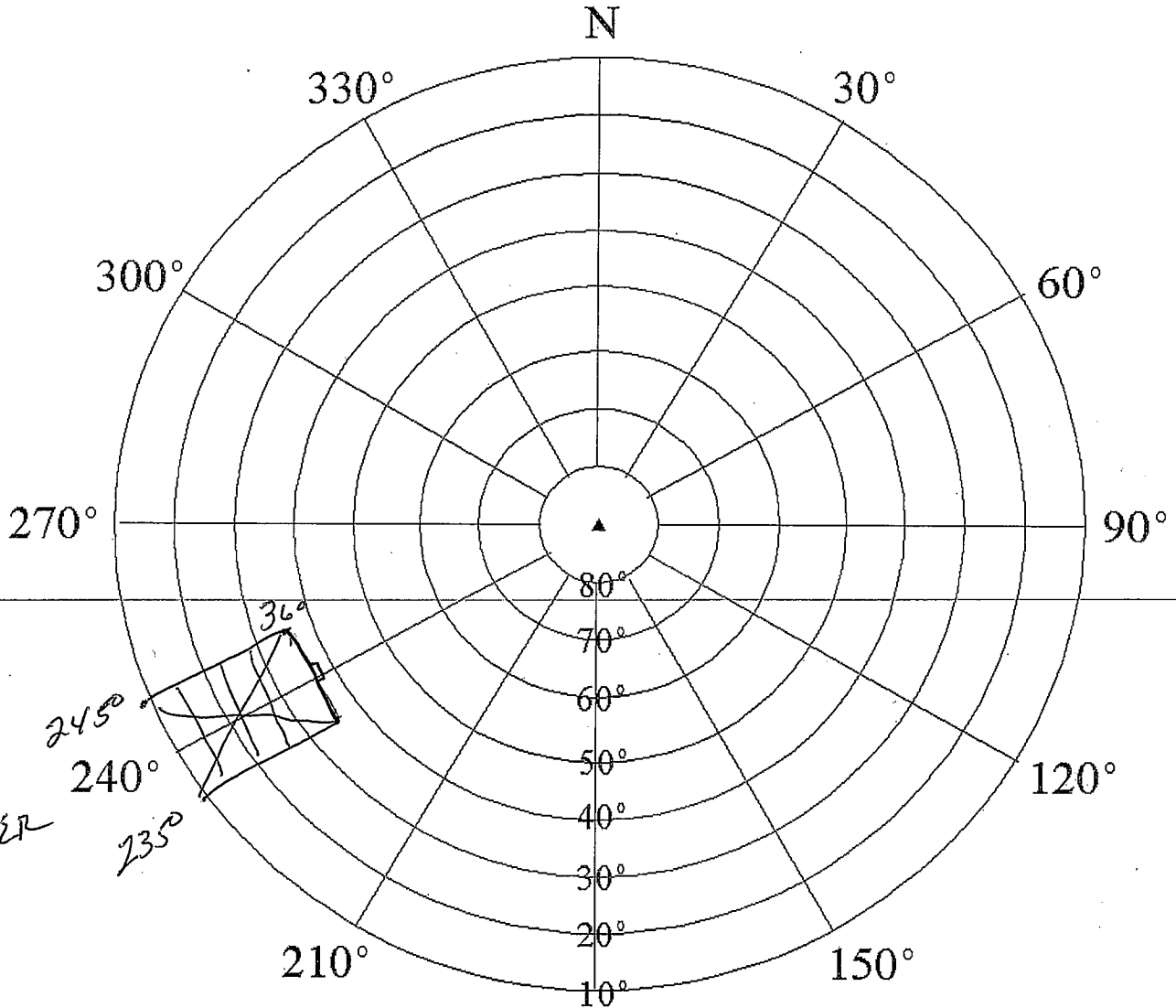
Remarks, Comments on Problems, Sketches, Pencil Rubbing, etc:

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): <i>KENN0211.DAT</i> | Updated Station Description: <input type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Visibility Obstruction Form: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Photographs of Station: <input checked="" type="checkbox"/> Attached <input type="checkbox"/> Submitted earlier Pencil Rubbing of Mark: <input checked="" type="checkbox"/> 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, over 15 mph (24km/h) |
| Examples: | 00000 = No problem, good visibility, normal temp, clear, calm wind | | 12121 = Problems, poor visibility, hot, overcast, moderate wind | | | |

NATIONAL GEODETIC SURVEY VISIBILITY OBSTRUCTION DIAGRAM



INSTRUCTIONS:

Identify obstructions by azimuth (magnetic) and elevation angle (above horizon) as seen from station mark. Indicate distance and direction to nearby structures and reflective surfaces (potential multipath sources).

4-char ID: KENW Designation: KENW
 PID: AU3301 Location: Kenner, La, JEFFERSON-ST. CHARLES PARISH LINE
 County: JEFFERSON Reconnaissance By: M. HARVARD
 Height above mark, meters: _____ Agency/Company: 3001 INC.
 Phone: (_____) _____ Date: 01/21/2006
 Check if no obstructions above 10 degrees



Station Pencil Rubbing Form

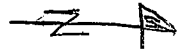
Location / Airport Name
and ID Kennel, VA - JEFFERSON - ST. CHARLES PARISH Line Project JPET6

Station Designation Kennel PID AL301 Date 2006121

Circle all applicable:
PACS SACS BM FBN CBN OTHER Horz / Vert Observer &
Organization M. Howard / 3001, Inc.

Station Pencil Rubbing

Instructions: Place the blank form (or other blank paper) over the mark and rub over the entire disk with a pencil. For rod marks, rub only the designation and date stamping from the rim of the aluminum logo cap. If it is impossible to make a rubbing of the mark, or if the rubbing appears indistinct, a sketch and/or photograph may be substituted.



Remarks:

Monument Type Horz. Control Disk

Inscribed Agency LAFD NGS

Stamping Kennel JPE 1987

GPS STATION OBSERVATION LOG
April 16, 2003

Station Designation: (check applicable: ___ FBN ___ CBN ___ PAC ___ SAC ___ BM)
G 95

Station PID, if any: **BT0710** Date (UTC): **2006 07 21**

General Location: **EAST END OF** Airport ID, if any: Station 4-Character ID: **G-95** Day of Year: **021**

Project Name: **IPETL6** Project Number: **GPS- 1358** Station Serial # (SSN): Session ID: (A,B,C etc) **1**

General Location: **WORCOLLA - BONNE CARRE SPILLWAY STRUCTURE**

NAD83 Latitude **30° 00' 02.35"** NAD83 Longitude **90° 25' 44.98"** NAD83 Ellipsoidal Height **-17.94** meters
 NAVD88 Orthometric Ht. **8.27** meters
 GEOID99 Geoid Height **-24.20** meters

Agency Full Name: **3001, INC.**
 Operator Full Name: **Maurice Arnaud**
 Phone #: **(703) 574-2336**
 e-mail address:

Observation Session Times (UTC):
 Sched. Start _____ Stop _____
 Actual Start **13:01** Stop **22:07**

Epoch Interval = **15** Seconds
 Elevation Mask = **13** Degrees

Receiver Brand & Model: **TRIMBLE 4000SSI** Antenna Code* Brand & Model: **TRIMBLE COMP 4/L2**

P/N: **24840-11** S/N: **3608A14570** Firmware Version:
 CamCorder Battery, 12V DC, 110V AC, Other

P/N: **22020-00** S/N: **0220050907** Cable Length, meters: **4.15m**
 Vehicle is Parked **20** meters **E** (direction) from antenna.

Antenna plumb before session? (Y) (N) Circle Yes or No
 Antenna plumb after session? (Y) (N) -If no, explain
 Antenna oriented to true North? (Y) (N)
 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) Use
 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: **5115-06-PLY**
 S/N:
 Last Adjustment date: **01/21/2006**

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

**** ANTENNA HEIGHT ****

| | Before Session Begins: | | After Session Ends: | |
|---|------------------------|-------|---------------------|-------|
| | Meters | Feet | 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) | 0.063 | 0.206 | 0.063 | 0.206 |
| H= Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP) | 2.063 | 6.768 | 2.063 | 6.768 |

Meters = Feet x (0.3048)
 Height Entered Into Receiver = **2.060** 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 | 01020 | | | | | |
| | Middle | | | | | | |
| | After | 01020 | | | | | |

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): **G_950211.DAT** Updated Station Description: Attached Submitted earlier
 Visibility Obstruction Form: Attached Submitted earlier
 Photographs of Station: Attached Submitted earlier
 Pencil Rubbing of Mark: Attached

(Standard NGS Format = aaaaddds.xxx)
 where aaaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension

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, over 15 mph (24km/h) |

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



Station Pencil Rubbing Form

Location / Airport Name and ID Waco, TX Project IPETL

Station Designation G95 PLMS 53 ¹⁹³⁸₀₃ PID B50710 Date 20060121

Circle all applicable: PACS SACS BM FBN CBN OTHER _____ Observer & Organization M. HARVARD / 3001, Inc.

Station Pencil Rubbing

Instructions: Place the blank form (or other blank paper) over the mark and rub over the entire disk with a pencil. For rod marks, rub only the designation and date stamping from the rim of the aluminum logo cap. If it is impossible to make a rubbing of the mark, or if the rubbing appears indistinct, a sketch and/or photograph may be substituted.



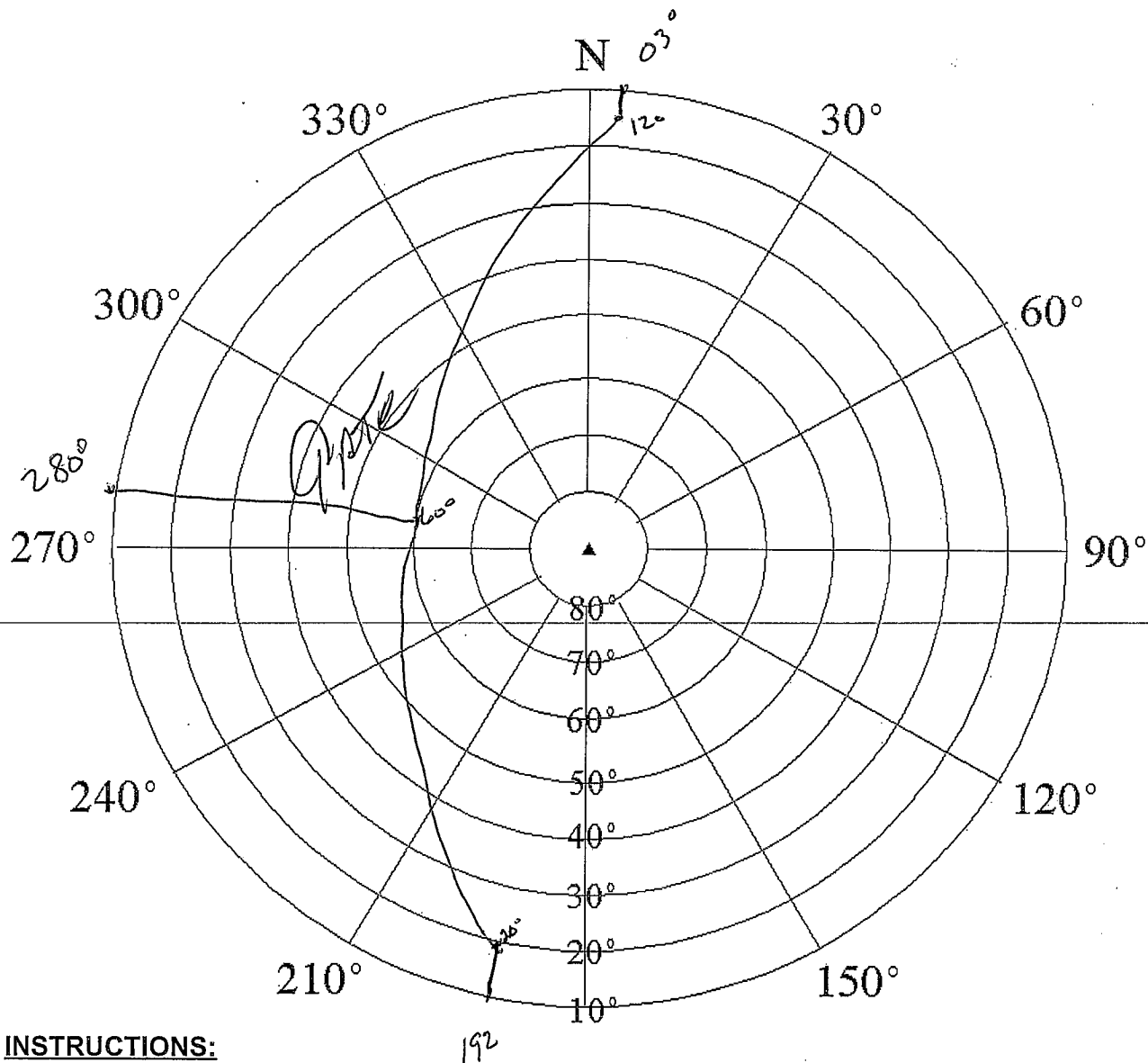
Remarks:

Monument Type BENCH MARK DISK

Inscribed Agency CGS

Stamping G 95 1938 (PLMS 53)

NATIONAL GEODETIC SURVEY VISIBILITY OBSTRUCTION DIAGRAM



INSTRUCTIONS:

Identify obstructions by azimuth (magnetic) and elevation angle (above horizon) as seen from station mark. Indicate distance and direction to nearby structures and reflective surfaces (potential multipath sources).

4-char ID: G-95 Designation: G 95

PID: BJ0710 Location: NORCO LA. - EAST END OF BONNE CARRE SPILLWAY

County: ST. CHARLES Reconnaissance By: M. HARVARD

Height above mark, meters: _____ Agency/Company: 3001, INC

Phone: (_____) _____ Date: 2006/2/1

Check if no obstructions above 10 degrees