GPS STATION OBSERVATION LOG
April 16, 2003

Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC ✓ BM) E 3145		Station PID, if any: BH1133	Date (UTC): 20060109
General Location: CHEF MENTEUR, CHEF MENTEUR PASS, ORLEANS PARISH	Airport ID, if any:	Station 4-Character ID: E314	Day of Year: 009
Project Name: IPET6	Project Number: GPS- 1357	Station Serial # (SSN): 0007	Session ID:(A,B,C etc) 1

NAD83 Latitude: 30° 04' 06.75"	NAD83 Longitude: 89° 48' 13.19"	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3601, INC Operator Full Name: Maurice Howard Phone #: (985) 718-4519 e-mail address:
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:00 Actual Start 13:58 Stop 18:00	Epoch Interval= 15 Seconds Elevation Mask = 13 Degrees		

Receiver Brand & Model: TRIMBLE 4000SE P/N: 21000-31 S/N: 3403A04927 Firmware Version: 7.29 ☐ CamCorder Battery, ☑ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: TRIMBLE Comp. 4/22 w/GP. Plane P/N: 22020-00 S/N: 0220024415 Cable Length, meters: 9.35m Vehicle is Parked 20 meters NE (direction) from antenna.	Antenna plumb before session? (Y) N) Antenna plumb after session? (Y) N) 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) Eccentric occupation (>0.5 mm)? (Y (N) Any obstructions above 10°? (Y) N) Radio interference source nearby (Y (N) Circle Yes or No -If no, explain " If yes, describe. Use Vis. form

Tripod or Antenna Mount: Check one:
☑ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☐ Fixed Mount
Brand & Model: SECO
P/N: 5115-00-YEL (20TH 19479-302)
S/N:
Last Adjustment date: 09 JAN. 2006

Psychrometer (if used) Brand & Model: CHECK-IT DIGITAL 0622
P/N:
S/N: 200402
Last Calibration or check Date: 09 JAN 2006

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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 = 2.000 meters.
Note &/or sketch **ANY** unusual conditions. Be **Very Explicit** as to where and how Measured!

Barometer (if used) Brand & Model: BRUNTON 5HERPA
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	01010	13:50	59.0		57.7		92%	30.11	1019
Middle	01010	16:00	66.0		63.0		86%	30.17	1021
After	01010	18:04	70.0		64.2		77%	30.14	1020

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): E3140091.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, over15 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):
E3145	BH1133	2006 0109
General Location: / **Airport ID, if any:**	Station 4-Character ID:	Day of Year:
CHEF MONTEUR / CHEF MONTEUR PASS, ORLEANS PARISH	E314	009
Project Name: / **Project Number:**	Station Serial # (SSN):	Session ID:(A,B,C etc)
IPET 6 / GPS- 1357	0007	2

NAD83 Latitude	NAD83 Longitude	NAD83 Ellipsoidal Height / NAVD88 Orthometric Ht. / GEOID99 Geoid Height	Agency Full Name: 3001, INC.
30° 04' 06.8"	89° 48' 13.2"	meters / meters / meters	Operator Full Name: Maurice Johnson
Observation Session Times (UTC): Sched. Start 18:15 Stop 22:15	Epoch Interval= 15 Seconds		Phone #: ( )
Actual Start 18:14 Stop 22:15	Elevation Mask = 13 Degrees		e-mail address:

Receiver Brand & Model:	Antenna Code*, Brand & Model:	
TRIMBLE 4000SE	TRIMBLE Comp 4/L2 w/GRD. PLANE	Antenna plumb before session? (Y/N) — Circle Yes or No
P/N: 21000-31	P/N: 22020-00	Antenna plumb after session? (Y/N)
S/N: 3403A04927	S/N: 022002415	Antenna oriented to true North? (Y/N)
Firmware Version: 7.29	Cable Length, meters: 9.35m	Weather observed at antenna ht. (Y/N) — -If no, explain
☐ CamCorder Battery, ☑ 12V DC, ☐ 110V AC, ☐ Other	Vehicle is Parked 20 meters NE (direction) from antenna.	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 Vis. form
		Radio interference source nearby (Y/N)

Tripod or Antenna Mount: Check one:
☑ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☐ Fixed Mount
Brand & Model: SECO
P/N: 5115-00-yel (LOT # 19A79-302)
S/N:
Last Adjustment date: 09 JAN. 2006

Psychrometer (if used) Brand & Model: CHEEK-IT DIGITAL 0622
P/N:
S/N: 200402
Last Calibration or check Date: 09 JAN. 2006

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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 = 2.000 meters.
Note &/or sketch **ANY** unusual conditions. Be **Very Explicit** as to where and how Measured!

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

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	01010	18:10	70.3		65.5		80%	30.13	1020
Middle	01010	20:15	71.2		63.7		68%	30.10	1019
After	01010	22:18	68.6		68.2		96%	30.10	1019

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): E3140092.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, over15 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 CHEF MENTEUR, CHEF MENTEUR PASS Project IPET6

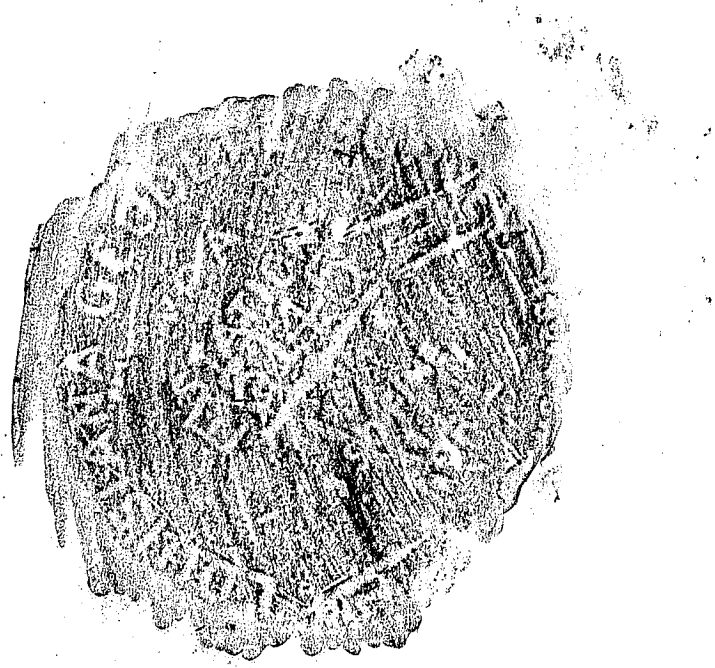
Station Designation E 3145 PID BH1133 Date 01/09/2006

Circle all applicable: PACS SACS (BM) FBN CBN OTHER_____

Observer & Organization M. HAVARD / 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.



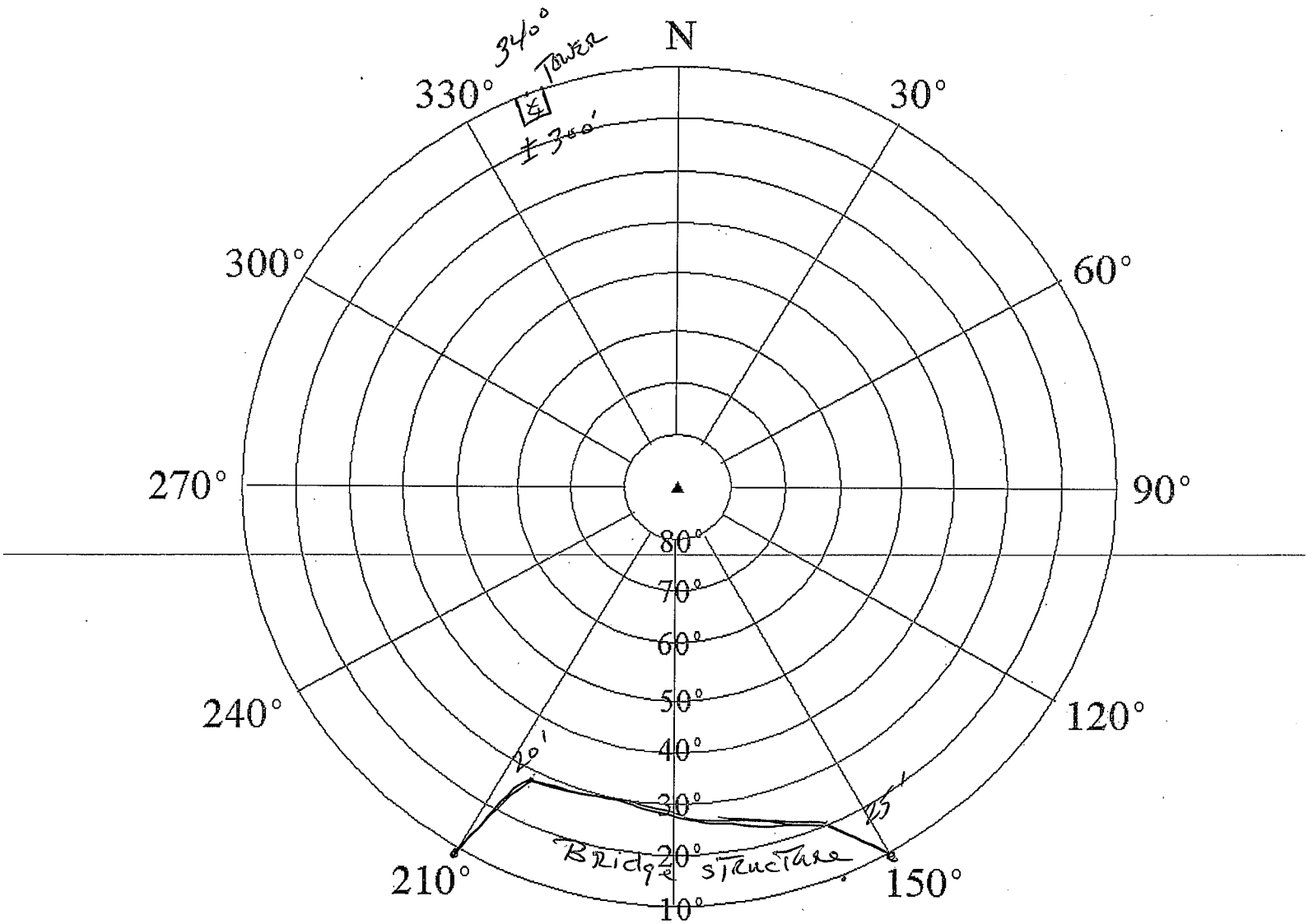
Remarks: PHOTO'S OF MARK TAKEN.

Monument Type SURVEY DISK

Inscribed Agency LAGS

Stamping E3145

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: E314 Designation: E3145

PID: BH1133 Location: CHEF MENTEUR, CHEF MENTEUR PASS

County: ORLEANS Reconnaissance By: J. PURPERA

Height above mark, meters: 2M Agency/Company: 3001, Inc.

Phone: (985) 718 - 4519 Date: 01/09/06

Check if no obstructions above 10 degrees ☐

NATIONAL GEODETIC SURVEY
STATION DESCRIPTION / RECOVERY FORM

PID: BH1133 Designation & Alias: E3145

Country: (USA /) State: LA County: ORLEANS

Latitude: N 30 ° 04 ' 06.8 " Longitude: W 89 ° 48 ' 13.2 " Elevation: _____ (meter / ft)

Original Description (check one):	
• P	Preliminary (mark has not been set yet)
✓ D	A newly set mark
• R	A recovered mark
Established by: (NGS / CGS / Other:) LAGS	
Date:	Chief of Party (initials):

Recovery Description (check one):	
• F	Full description of a station *not* in the database
✓ T	Full description of a station *in* the database
• M	*Partial* description of a station in the database
Recovered by: (NGS / Other:) 3001, INC.	
Date: 01/ /2006	Chief of Party (initials): JP

Monument Stability (check one):	
• A	Of the most reliable nature; expected to hold well
• B	Will probably hold position and elevation well
• C	May hold well, but subject to ground movement
✓ D	Of questionable or unknown reliability

Recovery Condition (check one):	
✓ G	Recovered in good condition
• N	Not recovered or not found
• P	Poor, disturbed, or mutilated
• X	Surface mark known destroyed

Setting Information:	
Marker Type: (Rod / Disk / Other)	
Setting Type: (Bedrock / (Concrete) / Other:)	
Y (N) ?	Monument contains magnetic material?

Stamping: E3145	
Agency Inscription: (NGS / CGS / Other:) LAGS	
Rod Depth: (meter/ft), Sleeve Depth: (meter/ft)	
Monument is: (flush / projecting / recessed) (cm/inch)	

Special Type (check all applicable):	
• F	Fault monitoring site
✓ T	Tidal Station
• --	Control Station: (FBN / CBN / Bench mark)
• --	Airport Control Station: (PACS / SACS)
(Y) N	Mark is suitable for GPS use?

Transportation (check one):	
• C	Car
✓ P	Light truck (pickup, carry-all, etc.)
• X	Four-Wheel Drive Vehicle
• __	Other (SnowCat, Plane, Boat; describe)
(Y) N	Pack Time (hike) to mark? (hh:mm):

See Back of Form to add Text Description

General Station Location: The station is located in ORLEANS PARISH AT CHEF MENTEUR, CHEF MENTEUR PASS, 13 miles N.E. OF CHALMETTE, LA., 14.3 miles S.S.W. OF SLIDELL, LA. and 18.8 miles S.S.E. OF LACOMBE, LA

(Describe general location; include airline distances to three towns or mapped features.)

Ownership: LADOT - CHEF MENTEUR PASS - Hwy 90 BRIDGE

(name, address, phone of landowner)

To Reach Narrative: To reach the station from the intersection of I-10 and Hwy 433 in SLIDELL, LA. go 6.4 miles S.E. Along Hwy 433 to junction of Hwy 433 and Hwy 90, Then go 9.67 miles S.W. Along Hwy 90 to mark on Right. OR go 9.90 miles N.E. Along Hwy 90 From the INTERSECTION of I-510 and Hwy 90 in Michaud (NORTH of CHALMETTE, LA)

(Leg-by-leg distances and directions from major road intersection to mark)

Monument Description and Measurements: The station is A BENCH MARK DISK SET in the concrete BRIDGE FLOOR AT the NE end of the U.S. Hwy 90 BRIDGE over CHEF MENTEUR PASS, 247FT. S.W. OF the NE end of the Bridge, 9FT. NW OF the C/L OF the Bridge, 2.5 FT. N.E. OF the NE. end of the STEEL SPAN OF the Bridge, 0.5 FT. S.E OF the S.E. FACE OF the NW guard (Conc.) RAIL BASE.

(Add at least three measurements to permanent, identifiable, nearby objects; and a description of the monument size, shape, height, etc.)

NOTE: - Include a pencil rubbing, sketch, or photographs of mark.

Described by: M. Amiard Phone:(_____) e-mail:_____

GPS STATION OBSERVATION LOG
April 16, 2003

Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC (BM)) PIKE BM 3		Station PID, if any: BH1160	Date (UTC): 09-JAN-06
General Location: Fort Pike - Rigolets	Airport ID, if any:	Station 4-Character ID: PIKE	Day of Year: 0009
Project Name: FPET 6 - TASK ORDER 1A	Project Number: GPS-	Station Serial # (SSN): 0009	Session ID:(A,B,C etc) 1

NAD83 Latitude: 30° 09' 59.58"	NAD83 Longitude: 089° 44' 15.44"	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3001, Inc. Operator Full Name: John Purpera Phone #: (504 237-3579 e-mail address:
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:00 Actual Start 13:55 Stop 18:00	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees		

Receiver Brand & Model: Trimble 4000 SE P/N: 21000-31 S/N: 3343A04305 Firmware Version: ☐ CamCorder Battery ☐ 12V DC ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: Compact L1/L2 w/ gc. Plane P/N: 22020-00 S/N: 0220010015 Cable Length, meters: 5.56 Vehicle is Parked 50 meters NE (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, Weather observed at antenna ht. (~~Y~~/N) explain Antenna ground plane used? (~~Y~~/N) " Antenna radome used? (Y/~~N~~) If yes, Eccentric occupation (>0.5 mm)? (Y/~~N~~) describe. 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:
P/N: 5115-00-YEL SECO
S/N:
Last Adjustment date: (Cal # 1EJWY-July 05) 1/8/06

Psychrometer (if used) Brand & Model: Check It #622
P/N:
S/N:
Last Calibration or check Date:

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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	0.207	0.063	0.207
H= Antenna Height = **A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

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: Brunton Sherpa
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	01010	13:54	61.5		62.1		100%	30.15	1021
Middle									
After	01010	18:02	70.5		71.9		100%	30.13	1020

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): PIKE0091.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, over15 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)) PIKE RM 3		Station PID, if any: BH1160	Date (UTC): 09-JAN-06
General Location: Fort Pike, Rigolets	Airport ID, if any:	Station 4-Character ID: PIKE	Day of Year: 009
Project Name: IDIQ 6 - TASK ORDER 1A	Project Number: GPS-	Station Serial # (SSN): 0009	Session ID: (A,B,C etc) 2

NAD83 Latitude: 30° 09' 59.54"	NAD83 Longitude: 89° 41' 15.42"	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3001, Inc Operator Full Name: JOHN Pursent Phone #: (504) 237-3579 e-mail address:
Observation Session Times (UTC): Sched. Start 18:15 Stop 22:15 Actual Start 18:12 Stop 22:15	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees		

Receiver Brand & Model: TRIMBLE 4000SSE P/N: 21000-31 S/N: 3343A04805 Firmware Version: ☐ CamCorder Battery ☐ 12V DC ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: COMPACT L1/L2 W/GP. PLANE P/N: 22020-00 S/N: 0220010015 Cable Length, meters: 5.56 Vehicle is Parked 50 meters SW (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, Weather observed at antenna ht. (Y / N) — explain Antenna ground plane used? (Y / N) — " Antenna radome used? (Y / N) — If yes, Eccentric occupation (>0.5 mm)? (Y / N) — describe. 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:
P/N: 5115-00-yel SECO
S/N:
Last Adjustment date:

Psychrometer (if used) Brand & Model:
P/N: CHECK IT #622
S/N:
Last Calibration or check Date:

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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	0.207	0.063	0.207
H= Antenna Height **= A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

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: BRUNTON SHERPA
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	01010	18:11	72.0		72.1		99%	30.13	1020
Middle									
After	01010	22:17	69.2		68.2		99%	30.11	1019

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): PIKE0092.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, over15 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
STATION DESCRIPTION / RECOVERY FORM

PID: BH 1160 Designation & Alias: PIKE RM 3

Country: (USA /) State: Ca. County: Orleans

Latitude: N 30 ° 09 ' 59.48" Longitude: W 89 ° 44 ' 15.60" Elevation: 3 (meter) / ft)

Original Description (check one):	
• P	Preliminary (mark has not been set yet)
• D	A newly set mark
• R	A recovered mark
Established by: (NGS / CGS / Other:)	
Date:	Chief of Party (initials):

Recovery Description (check one):	
• F	Full description of a station *not* in the database
• I	Full description of a station *in* the database
• M	*Partial* description of a station in the database
Recovered by: (NGS / Other:)	3001 Inc
Date: 1/6/05	Chief of Party (initials): JCP

Monument Stability (check one):	
• A	Of the most reliable nature; expected to hold well
• B	Will probably hold position and elevation well
• C	May hold well, but subject to ground movement
• D	Of questionable or unknown reliability

Recovery Condition (check one):	
• G	Recovered in good condition
• N	Not recovered or not found
• P	Poor, disturbed, or mutilated
• X	Surface mark known destroyed

Setting Information:	
Marker Type: (Rod / Disk / Other)	
Setting Type: (Bedrock / Concrete / Other:)	
Y (N) / ?	Monument contains magnetic material?

Stamping:	PIKE NO 3 1952
Agency Inscription: (NGS / CGS / Other:)	
Rod Depth: — (meter/ft), Sleeve Depth: —	(meter/ft)
Monument is: (flush / projecting / recessed)	(cm/inch)

Special Type (check all applicable):	
• F	Fault monitoring site
• T	Tidal Station
• --	Control Station: (FBN / CBN / Bench mark)
• --	Airport Control Station: (PACS / SACS)
(Y) / N	Mark is suitable for GPS use?

Transportation (check one):	
• C	Car
• P	Light truck (pickup, carry-all, etc.)
• X	Four-Wheel Drive Vehicle
• __	Other (SnowCat, Plane, Boat; describe)
Y / N	Pack Time (hike) to mark? (hh:mm):

See Back of Form to add Text Description

General Station Location: The station is located in Orleans Parish @ Ft. Pike on the west end of the Rigolets Bridge. 8.0 Miles S.E of Slidell, La., 23.± miles South west of Waveland, Ms., 24.± Miles Northeast of New Orleans.

(Describe general location; include airline distances to three towns or mapped features.)

Ownership: unknown

(name, address, phone of landowner)

To Reach Narrative: To reach the station from the intersection of Hwy 433 and I-10 (Exit 263) in Slidell go Southeast on Hwy 433 6.5 Miles to the Junction of Hwy 90. Turn Right on Hwy 90 and go 0.25 Miles, Crossing the Rigolets Bridge, to the Mark on the South side of Hwy 90.

(Leg-by-leg distances and directions from major road intersection to mark)

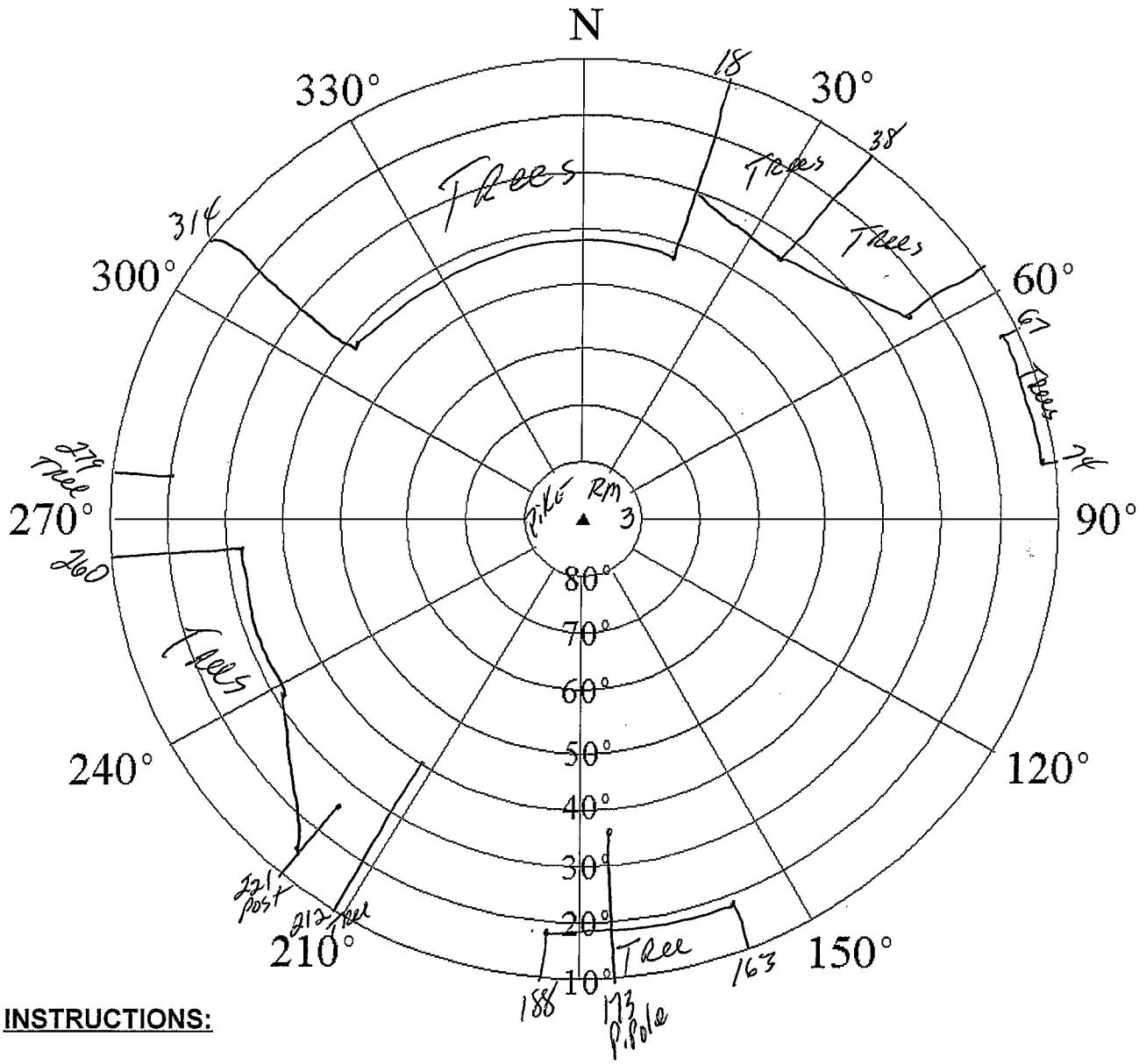
Monument Description and Measurements: The station is Disk set in the Center of a Red Concrete Pad. 114.2' Southeast of the centerline of Hwy 90. 83.7 South of Bench Mark C 193. 67.3' West of Triangulation Station Pike Reset. 9.5' Northeast of the Southwest Corner of the Concrete Pad. The Fence mentioned in Previous Descriptions has been destroyed.

(Add at least three measurements to permanent, identifiable, nearby objects; and a description of the monument size, shape, height, etc.)

NOTE: - Include a pencil rubbing, sketch, or photographs of mark.

Described by: John Purpera Phone: (504) 237-3579 e-mail: JPurpera@300Inc.com

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: PIKE Designation: PIKE RM 3

PID: BH1160 Location: Ft. Pike, La.

County: ORLEANS Reconnaissance By: JOHN PURPERA

Height above mark, meters: 1.8 Agency/Company: 3001, Inc.

Phone: (504) 237-3579 Date: 1/6/05

Check if no obstructions above 10 degrees ☐

Station Pencil Rubbing Form

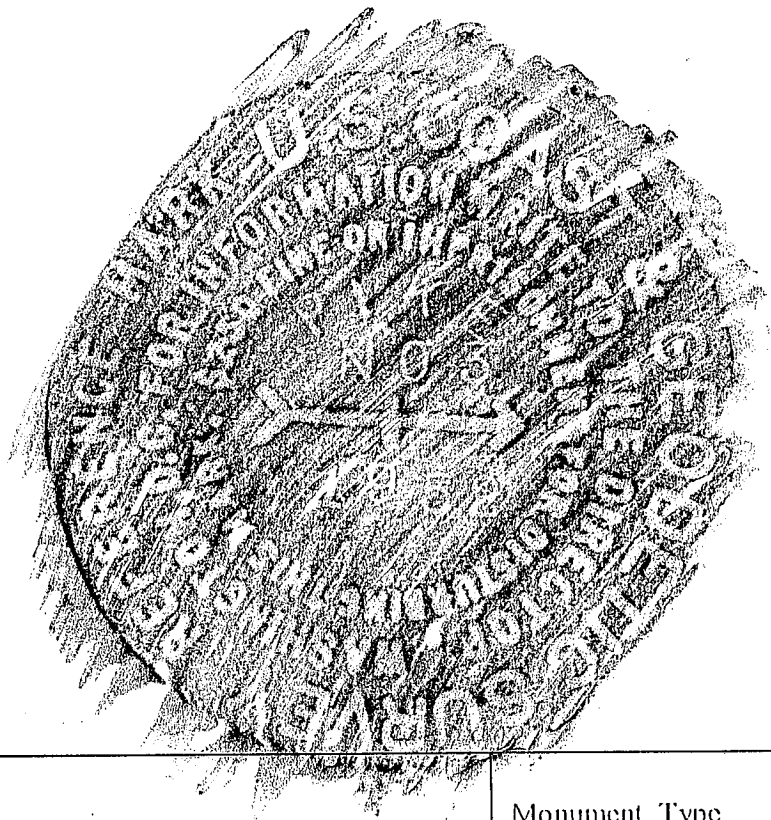
Location / Airport Name and ID Fort Pike, La. Project IPET 6

Station Designation Pike RM 3 PID BH1160 Date 1/9/06

Circle all applicable: PACS SACS (BM) FBN CBN OTHER_____ Observer & Organization John Purpera 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 Disk

Inscribed Agency USC&GS

Stamping PIKE NO 3 1952

GPS STATION OBSERVATION LOG
April 16, 2003

Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC ✓ BM) 876 1678 A TIDAL BM		Station PID, if any: N/A	Date (UTC): 1/9/06
General Location: Michoud Sub Station - NEAR 510 Bridge	Airport ID, if any:	Station 4-Character ID: 167A	Day of Year: 009
Project Name: IPET 6 - TASK ORDER 1A	Project Number: GPS-	Station Serial # (SSN): 0006	Session ID:(A,B,C etc) 1

NAD83 Latitude: 30° 00' 24.95" N	NAD83 Longitude: 89° 56' 15.30" W	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3001, INC. Operator Full Name: MIKE DIAL Phone #: ( ) e-mail address:
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:00 Actual Start 13:55 Stop 18:00	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees		

Receiver Brand & Model: TRIMBLE 4000 SE P/N: 21000-31 S/N: 3343A4300 Firmware Version: ☐ CamCorder Battery, ☑ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code* Brand & Model: CHAMP C1/C2 W/GR. PLANE P/N: 22020-00 S/N: 02200244 19 Cable Length, meters: 10.4 M Vehicle is Parked 50 meters N (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, Weather observed at antenna ht (Y / N) — explain Antenna ground plane used? (Y / N) — " Antenna radome used? (Y / N) — If yes, Eccentric occupation (>0.5 mm)? (Y / N) — describe. 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:
P/N:
S/N: SECO
Last Adjustment date:

Psychrometer (if used) Brand & Model:
CHECK IT # 622
P/N:
S/N:
Last Calibration or check Date:

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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	0.207	0.063	0.207
H= Antenna Height = **A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

Meters = Feet x (0.3048) 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:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00010	13:45	58.5		59.1		100%	30.18	1022
Middle	00010	16:05	64.9		64.5				
After	00010	18:01	70.1		69.1		96%	30.16	1021

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): 167A0091.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, over15 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) 876 1678 A TIDAL BM		Station PID, if any:	Date (UTC): 1/9/06
General Location: Michoud Sub Station — Near 510 Bridge	Airport ID, if any:	Station 4-Character ID: 167A	Day of Year: 009
Project Name: IPET 6 - Task Order 1A	Project Number: GPS-	Station Serial # (SSN): 0006	Session ID:(A,B,C etc) 2

NAD83 Latitude	NAD83 Longitude	NAD83 Ellipsoidal Height	Agency Full Name: 3001 INC.
30° 00' 24.97" N	89° 56' 15.32" W	meters	Operator Full Name: MIKE DIAZ
Observation Session Times (UTC): Sched. Start 18:15 Stop 22:15	Epoch Interval= 15 Seconds	NAVD88 Orthometric Ht. meters	Phone #: ( )
Actual Start 18:12 Stop _____	Elevation Mask = 15 Degrees	GEOID99 Geoid Height meters	e-mail address:

Receiver Brand & Model: TRIMBLE 4000 SE
P/N: 21000-31
S/N: 3343A4300
Firmware Version:
☐ CamCorder Battery, ☐ 12V DC, ☐ 110V AC, ☐ Other

Antenna Code*, Brand & Model: Compac L1/L2 w/gr. plane
P/N: 22020-00
S/N: 02200244 19
Cable Length, meters: 10.4 M
Vehicle is Parked 50 meters N (direction) from antenna.

		Circle
Antenna plumb before session?	(Y / N)	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,
Eccentric occupation (>0.5 mm)?	(Y / N)	describe.
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:

Psychrometer (if used) Brand & Model: CHECK IT #622
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)	2.00	6.562	2.00	6.562
B= Additional offset to ARP if any (Tribrach/Spacer)	0.063	0.207	.063	0.207
H= Antenna Height **= A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

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:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00010	18:05	70.1		69.1		96%	30.16	1021
Middle	00010	20:04	71.4		71.2				
After	00010	22:17	66.4		66.8		100%	30.14	1020

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): 167A0092.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, over15 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: X FBN__ CBN__ PAC__ SAC __BM) REGGIO 2		Station PID, if any: AT0804	Date (UTC): JAN 9, 2006
General Location: N/W ground corner of Bridge Hwy 46	Airport ID, if any:	Station 4-Character ID: REG2	Day of Year: 009
Project Name: IPET TO6 PHASE 2/3	Project Number: GPS-	Station Serial # (SSN): 0008	Session ID:(A,B,C etc) 1

NAD83 Latitude: 29° 50 40.719N	NAD83 Longitude: 089° 45 32.431W	NAD83 Ellipsoidal Height: -24.15 meters NAVD88 Orthometric Ht.: 1.52 meters GEOID99 Geoid Height: -25.68 meters	Agency Full Name: 3001, INC Operator Full Name: VERON MCNEAL Phone #: ( ) e-mail address:
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:06 Actual Start 13:55 Stop 18:00	Epoch Interval= 15 Seconds Elevation Mask = 13 Degrees		

Receiver Brand & Model: TRIMBLE 4000 SSI P/N: 24840-11 S/N: 3608A74652 Firmware Version: ☐ CamCorder Battery, ☒ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: Trimble comp L1/L2 w/grd plane P/N: 22020-00 S/N: 0220050496 Cable Length, meters: Vehicle is Parked 30 meters W (direction) from antenna.	Antenna plumb before session? (Y / N) Antenna plumb after session? (Y / N) 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) Eccentric occupation (>0.5 mm)? (Y / N) Any obstructions above 10°? (Y / N) Radio interference source nearby (Y / N) Circle Yes or No -If no, explain " If yes, describe. Use 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: 01-09-2006

Psychrometer (if used) Brand & Model: CHECK-IT
P/N: 0622
S/N:
Last Calibration or check Date: 01-07-2006

**** 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	
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)
Height Entered Into Receiver = 2.006 meters.
Note &/or sketch **ANY** unusual conditions. Be **Very Explicit** as to where and how Measured!

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

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00000	13:50	56.1		58.3		100%	30.19	1022
Middle	00010	16:00	69.8		67.5		91%	30.22	1023
After	00010	18:08	74.1		75.3		93%	30.18	1022

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): REG20091.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, over15 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: X FBN__ CBN__ PAC__ SAC__ BM) REGGTO 2		Station PID, if any: AT0804	Date (UTC): JAN 9 2006
General Location: NW ground corner of Hwy 46 Bridge	Airport ID, if any:	Station 4-Character ID: REG2	Day of Year: 009
Project Name: IPET TO6 PHASE 213	Project Number: GPS-	Station Serial # (SSN): 0008	Session ID:(A,B,C etc) 2

NAD83 Latitude	NAD83 Longitude	NAD83 Ellipsoidal Height	Agency Full Name:
29° 50' 40.719"N	089° 45' 32.43"W	-24.15 meters	3001, INC
		NAVD88 Orthometric Ht. 1.52 meters	Operator Full Name: VERNON MCNEAL
Observation Session Times (UTC): Sched. Start 18:15 Stop 22:15	Epoch Interval= 15 Seconds	GEOID99 Geoid Height -25.68 meters	Phone #: ( )
Actual Start 18:14 Stop 22:15	Elevation Mask = 13 Degrees		e-mail address:

Receiver Brand & Model:	Antenna Code*, Brand & Model:		Circle Yes or No -If no, explain
Trimble 4000 SSi	Trimble Comp L1/L2 w/grd plane	Antenna plumb before session?	(Y / N)
P/N: 24840-11	P/N: 22020-00	Antenna plumb after session?	(Y / N)
S/N: 3608A14657	S/N: 0220058496	Antenna oriented to true North?	(Y / N)
Firmware Version:	Cable Length, meters:	Weather observed at antenna ht.	(Y / N)
☐ CamCorder Battery, ☐ 12V DC, ☐ 110V AC, ☐ Other	Vehicle is Parked 30 meters W (direction) from antenna.	Antenna ground plane used?	(Y / N)
		Antenna radome used?	(Y / N)
		Eccentric occupation (>0.5 mm)?	(Y / N)
		Any obstructions above 10°?	(Y / N)
		Radio interference source nearby	(Y / N)

Tripod or Antenna Mount: Check one:
☒ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☐ Fixed Mount
Brand & Model: SECO
P/N:
S/N:
Last Adjustment date: 01-09-2006

Psychrometer (if used) Brand & Model:
P/N: CHECK-IT
S/N: 0622
Last Calibration or check Date: 01-07-2006

**** 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	
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)
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: BRUNTON
S/N: SH6718

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00020	18:08	74.7		72.5		93%	30.18	1022
Middle	00010	20:15	70.0		68.7		93%	30.15	1021
After	00010	22:20	70.9		67.2		85%	30.15	1021

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): REG20092.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, over15 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
STATION DESCRIPTION / RECOVERY FORM

PID: AT0804 Designation & Alias: REGGIO 2

Country: (USA /) State: La. County: St. Bernard

Latitude: N 29 ° 50 · 40.7" Longitude: W 89 ° 45 · 32.4" Elevation: 1.52 (meter / ft)

Original Description (check one):	
• P	Preliminary (mark has not been set yet)
• D	A newly set mark
• R	A recovered mark
Established by: (NGS / CGS / Other:)	
Date:	Chief of Party (initials):

Recovery Description (check one):	
• F	Full description of a station *not* in the database
• ✓	Full description of a station *in* the database
• M	*Partial* description of a station in the database
Recovered by: (NGS / (Other:))	3001 Inc
Date: 1/6/06	Chief of Party (initials): JCP

Monument Stability (check one):	
• A	Of the most reliable nature; expected to hold well
• ✓B	Will probably hold position and elevation well
• C	May hold well, but subject to ground movement
• D	Of questionable or unknown reliability

Recovery Condition (check one):	
• ✓G	Recovered in good condition
• N	Not recovered or not found
• P	Poor, disturbed, or mutilated
• X	Surface mark known destroyed

Setting Information:	
Marker Type: (Rod / Disk / Other)	
Setting Type: (Bedrock / Concrete / Other:)	59
Y / (N) / ?	Monument contains magnetic material?

Stamping:	Reggio 2 1987
Agency Inscription: (NGS / CGS / Other:)	
Rod Depth: 20' (meter/ft), Sleeve Depth: / (meter/ft)	
Monument is: (flush / projecting / recessed)	(cm/inch)

Special Type (check all applicable):	
• F	Fault monitoring site
• T	Tidal Station
• --	Control Station: (FBN / CBN / Bench mark)
• --	Airport Control Station: (PACS / SACS)
(Y)/N	Mark is suitable for GPS use?

Transportation (check one):	
✓C	Car
• P	Light truck (pickup, carry-all, etc.)
• X	Four-Wheel Drive Vehicle
• __	Other (SnowCat, Plane, Boat; describe)
Y /N	Pack Time (hike) to mark? (hh:mm):

See Back of Form to add Text Description

General Station Location: The station is located in St. Bernard Parish near the community of Reggio. 13.95 miles Southeast of Chalmette, La., 31.2 miles South of Slidell, La. 27.0 miles southeast of Avondale, La.

(Describe general location; include airline distances to three towns or mapped features.)

Ownership:

(name, address, phone of landowner)

To Reach Narrative: To reach the station from the intersection of Hwy 47 and Hwy 39 in Chalmette go Southeast on Hwy 39, 8.25 miles to Hwy 46 on The Left. Turn Left on Hwy 46 and go 7.6 miles to Mark on the Left.

(Leg-by-leg distances and directions from major road intersection to mark)

Monument Description and Measurements: The station is 25.0' Northeast of the Centerline of North Bound Lanes of Hwy 46. 3.6' North of the North end of the North west Corner of A bridge Concrete Rail. 2' Northeast of A Concrete Curb. 1.5' Northwest of A concrete Abutment wingwall. Stainless Steel Rod. Accessed through Logo cap. Stamped Reggio 2 1987. Cover Missing.

(Add at least three measurements to permanent, identifiable, nearby objects; and a description of the monument size, shape, height, etc.)

NOTE: - Include a pencil rubbing, sketch, or photographs of mark.

Described by: John Pampera Phone: (504) 237-3579 e-mail: JPampera@3001nc.com

Station Pencil Rubbing Form

Location / Airport Name and ID: REGGIO 2 / St. Bernard Parish, LA Project: EPEJ

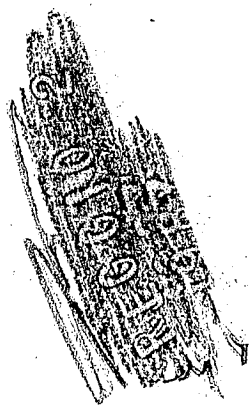
Station Designation: REGGIO 2 PID: AJ0804 Date: 12-21-05

Circle all applicable: PACS SACS BM (FBN) CBN OTHER_____

Observer & Organization: Verron McNeal) 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.



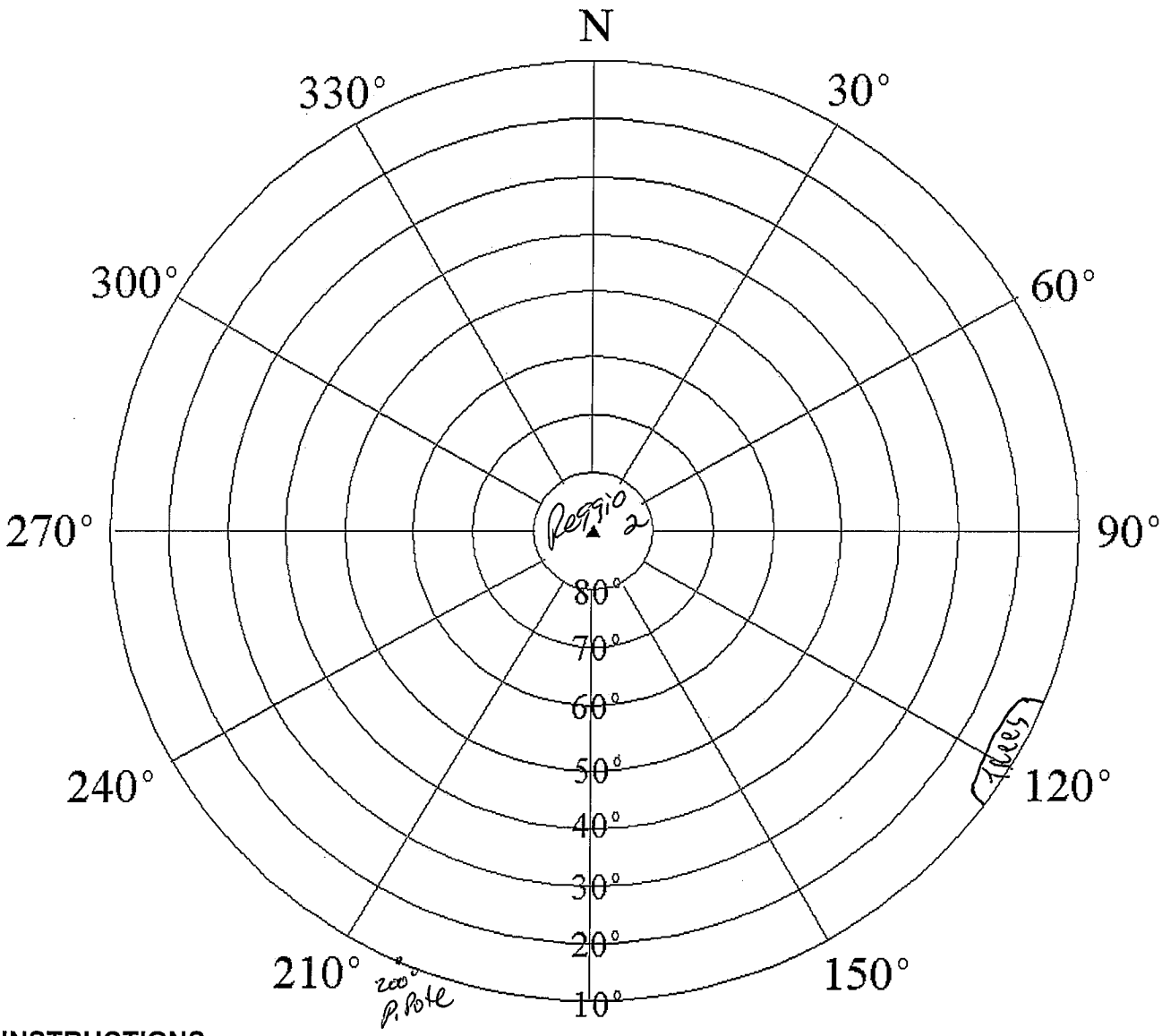
Remarks:

Monument Type: Rod / Nipple

Inscribed Agency: NGS

Stamping: REGGIO 2 1987

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: REG2 Designation: Reggio 2

PID: AT0804 Location: Reggio, La.

County: St. Bernard Reconnaissance By: John Purpera

Height above mark, meters: 1.0 Agency/Company: 3001 Inc

Phone: (504) 237-3579 Date: 1/6/05

Check if no obstructions above 10 degrees ☐

09-JAN-06

GPS STATION OBSERVATION LOG April 16, 2003

Station Designation: (check applicable: __ FBN __ CBN __ PAC __ SAC __ BM)	Station PID, if any:	Date (UTC):
V375 La. Height Mod	AT0760	~~009~~
General Location: / **Airport ID, if any:**	**Station 4-Character ID:**	**Day of Year:** 009 4 Feb 06
Algiers Lock -- Orleans Parish	V375	
Project Name: / **Project Number: GPS-**	**Station Serial # (SSN):**	**Session ID:(A,B,C etc)**
IPET 6	0002	1

NAD83 Latitude	NAD83 Longitude	NAD83 Ellipsoidal Height	Agency Full Name: 3001, Inc.
29 ° 55 ' 01.57 "	89 ° 58 ' 18.09 "	meters	Operator Full Name: Jennifer Lovaas
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:00	Epoch Interval= 15 Seconds	NAVD88 Orthometric Ht. meters	Phone #: (608) 712-6005
Actual Start 14:00 Stop 18:01	Elevation Mask = 15 Degrees	GEOID99 Geoid Height meters	e-mail address: jlovaas@AyresAssociates.com

Receiver Brand & Model:	Antenna Code*, Brand & Model:	
Trimble 4000 SSI	Trimble C/Cz w/sm Plate	Antenna plumb before session? (Y) / N) — Circle Yes or No
P/N: 24840-11	P/N: 22020-00	Antenna plumb after session? (Y) / N)
S/N: 3608A14570	S/N: 02200 50907	Antenna oriented to true North? (Y) / N)
Firmware Version:	Cable Length, meters:	Weather observed at antenna ht. (Y) / N) — -If no, explain
☐ CamCorder Battery, ☒ 12V DC, ☐ 110V AC, ☐ Other	Vehicle is Parked 50 meters S (direction) from antenna.	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 Vis. form
		Radio interference source nearby (Y / N)

Tripod or Antenna Mount: Check one:
☐ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☒ Fixed Mount
Brand & Model: SECO
P/N: 5115-00-FLY
S/N:
Last Adjustment date: 12/105

Psychrometer (if used) Brand & Model:
Check-It Electronics
P/N:
S/N:
Last Calibration or check Date: 01/07/06

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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)	0.0			
H= Antenna Height **= A + B** = Datum Point to Antenna Reference Point (ARP)	2.03		2.03	

Meters = Feet x (0.3048) 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:
Brunton Sherpa
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00000	14:00	58.2		58.0		100%	30.14	1020
Middle									
After	00010	18:01	75.2		74.2		97%	30.13	1020

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): V3750091.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, over15 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) V375 La. Height Mod		Station PID, if any: AT0760	Date (UTC): 09-JAN-06 ~~009~~
General Location: Algiers Lock - Orleans Parish	Airport ID, if any:	Station 4-Character ID: V375	Day of Year: ~~009~~ 009
Project Name: IPET 6	Project Number: GPS-	Station Serial # (SSN): 0002	Session ID:(A,B,C etc) 2

NAD83 Latitude 29 ° 55 ' 1.59 "	NAD83 Longitude 89 ° 58 ' 18.08 "	NAD83 Ellipsoidal Height meters NAVD88 Orthometric Ht. meters GEOID99 Geoid Height meters
Observation Session Times (UTC): Sched. Start 18:10 Stop 22:10 Actual Start 18:11 Stop 22:11	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees	Agency Full Name: 3001, Inc. Operator Full Name: Jennifer Lovaas Phone #: (608) 712-6005 e-mail address: jlovaas@

Receiver Brand & Model: Trimble 4000SSI P/N: 24840-11 S/N: 36084 14570 Firmware Version: ☐ CamCorder Battery, ☒ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: Trimble C1/L2 w/ Ga. Plane P/N: 22020-00 S/N: 02200509 07 Cable Length, meters: Vehicle is Parked 50 meters S (direction) from antenna.	Antenna plumb before session? (Y)/ N) Antenna plumb after session? (Y)/ N) Antenna oriented to true North? (Y / N) Weather observed at antenna ht. (Y)/ N) Antenna ground plane used? (Y)/ N) Circle Yes or No -If no, explain " Antenna radome used? (Y / N) Eccentric occupation (>0.5 mm)? (Y / N) Any obstructions above 10°? (Y)/ N) Radio interference source nearby (Y / N) If yes,. describe. Use Vis. form

Tripod or Antenna Mount: Check one:
☐ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☐ Fixed Mount
Brand & Model: Seco
P/N: 5115-00-FLY
S/N:
Last Adjustment date: 12/ 1/05

Psychrometer (if used) Brand & Model:
Chek-It Electronics
P/N:
S/N:
Last Calibration or check Date: 1/07/06

** ANTENNA HEIGHT **

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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	0.207	0.063	0.207
H= Antenna Height = **A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

Meters = Feet x (0.3048) 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:
BruntonSherpa
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00010	18:10	72.1		70.2		~~70~~ 70	30.13	1020
Middle									
After	00010	22:15	72.9		66.9		70	30.08	1018

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): V3750091.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, over15 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)) C189		Station PID, if any: BH1119	Date (UTC): 119106
General Location: Venetian Isle – Hwy 90	Airport ID, if any:	Station 4-Character ID: C189	Day of Year: 009
Project Name: IPET - TASK ORDER	Project Number: GPS-	Station Serial # (SSN): 9885	Session ID:(A,B,C etc) 1

NAD83 Latitude: 30° 04' 24.52"	NAD83 Longitude: 89° 50' 25.93"	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3001 Inc Operator Full Name: Brandon Wells Phone #: ( ) e-mail address:
Observation Session Times (UTC): Sched. Start 14:00 Stop 18:00 Actual Start 13:57 Stop 18:00	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees		

Receiver Brand & Model: Trimble 4000 SE P/N: 21000-31 S/N: 3343A04302 Firmware Version: ☐ CamCorder Battery, ☒ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: Compact L1/L2 w/ground plane P/N: 22020-00 S/N: 022021011 Cable Length, meters: 5. Vehicle is Parked 50 meters E (direction) from antenna.	Antenna plumb before session? (Y / N) Antenna plumb after session? (Y / N) 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) Eccentric occupation (>0.5 mm)? (Y / N) Any obstructions above 10°? (Y / N) Radio interference source nearby (Y / N) Circle Yes or No -If no, explain " If yes, describe. Use Vis. form

Tripod or Antenna Mount: Check one:
☒ Fixed-Leg Tripod, ☐ Collapsible-leg tripod ☐ Fixed Mount
Brand & Model:
P/N: SECO
S/N:
Last Adjustment date: 12/12/05

Psychrometer (if used) Brand & Model: CHECK-IT 622
P/N:
S/N:
Last Calibration or check Date:

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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)	.063	0.207	.063	0.207
H= Antenna Height **= A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

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: Brunton
S/N: Sphera

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00000	13:55	59.2		60.1		100%	30.28	1025
Middle	00000	15:59	69.9		72.7		100%	30.32	1026
After	00010	17:58	72.4		74.0		100%	30.28	1025

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): C1890091.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, over15 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) C189		Station PID, if any: BH1119	Date (UTC): 1/19/06
General Location: Venetian Isle	Airport ID, if any: Hwy 90	Station 4-Character ID: C189	Day of Year: 009
Project Name: IPET - TASK ORDER	Project Number: GPS-	Station Serial # (SSN): 4865	Session ID:(A,B,C etc) 2

NAD83 Latitude: 30° 04' 24.55"	NAD83 Longitude: 89° 50' 25.94"	NAD83 Ellipsoidal Height: meters NAVD88 Orthometric Ht.: meters GEOID99 Geoid Height: meters	Agency Full Name: 3001 Inc Operator Full Name: Brandon Wolf Phone #: ( ) e-mail address:
Observation Session Times (UTC): Sched. Start 18:10 Stop 22:15 Actual Start 18:10 Stop 22:15	Epoch Interval= 15 Seconds Elevation Mask = 15 Degrees		

Receiver Brand & Model: Trimble 4000 SE P/N: 21000-31 S/N: 3343A04302 Firmware Version: ☐ CamCorder Battery, ☐ 12V DC, ☐ 110V AC, ☐ Other	Antenna Code*, Brand & Model: Compact L1/L2 w/ground plane P/N: 22020-00 S/N: 02202 1011 Cable Length, meters: 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, Weather observed at antenna ht. (Y / N) explain Antenna ground plane used? (Y / N) " Antenna radome used? (Y / N) If yes, Eccentric occupation (>0.5 mm)? (Y / N) describe. 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:
P/N: SECO
S/N:
Last Adjustment date: 12/12/05

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

**** ANTENNA HEIGHT ****

	Before Session Begins: Meters	Before Session Begins: Feet	After Session Ends: Meters	After Session Ends: 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)	.063	0.207	.063	0.207
H= Antenna Height **= A + B** = Datum Point to Antenna Reference Point (ARP)	2.063	6.769	2.063	6.769

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: Brunton Sphere
S/N:

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00010	18:07	72.4		74.0		100 %	30.28	1025
Middle	00010	20:00	71.9		72.3		100 %	30.25	1024
After	00010	22:10	69.0		72.1		100 %	30.25	1024

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): C1890092.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, over15 mph (24km/h)
Examples:	00000 = No problem, good visibility, normal temp, clear, calm wind			12121 = Problems, poor visibility, hot, overcast, moderate wind		