STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION CENTRAL REGION	SURVEY REQUEST 0405.0092	PAGE 1 OF 1

PROJECT MANAGER	PHONE	VICINITY OF	
Nick Tatarian	805-549-3220	San Luis Obispo	
REQUESTOR	**PHONE**	**DISTRICT / DIVISION / BRANCH**	**REQUEST DATE**
Don D'onofrio		5 / DVI / 833	June 28, 2004
FOR FURTHER INFORMATION (REQUIRED)	**PHONE**	**OFFICE LOCATION**	**COMPLETION DATE**
Nick Tatarian			July 30, 2004

DISTRICT / SOURCE UNIT	EA	FED	ACTIVITY CODE	PROJECT INFO	COUNTY	ROUTE
59 / 310	908160	2	REQUESTOR		var	var
SUB-JOB	**SPECIAL DESIGNATION**		SURVEYS		**KILOMETER LIMITS**	**POSTMILE LIMITS**
3bcsl					0.0 / 0.0	/

DESCRIPTION OF THE WORK SURVEY INFORMAITON WILL BE USED FOR

Re-observation of the HPGN post San Simeon earthquake

LIMITS OF SURVEY WORK

Northern SLO and Southern Mon counties

SURVEY INFORMATION REQUIRED

GPS survey to create a post earthquake epoch and set new control points

ATTACHMENTS

-- **MAP SHOWING LOCATION AND LIMITS OF SURVEY WORK (Required)**

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APPROVAL

DESIGN: OFFICE CHIEF (SUPV CLASS OR ABOVE)

PRE-REQUEST MEETING DATE

ALL: SENIOR CLASSIFICATION OR ABOVE

SURVEYS USE ONLY

RECEIVED BY	DATE	☐ REQUESTOR CONTACTED UPON RECEIPT OF REQUEST DATE OF CONTACT:	
☐ NO FIELD WORK REQUIRED FIELD CREW	START DATE OF FIELD WORK	ASSIGNED TO SQUAD / PERSON	DATE ASSIGNED TO SQUAD / PERSON
PARTY CHIEF	CREW MEMBERS	SQUAD LEADER	PERSON(S) WHO WORKED ON REQUEST
COMPLETION DATE OF FIELD WORK		COMPLETION DATE OF REQUEST	FILED IN
☐ REQUESTOR CONTACTED PRIOR TO FIELD WORK DATE:		☐ REQUESTOR CONTACTED AFTER COMPLETION OF SURVEY REQUEST DATE:	BY:

(Rev. 11/99)

Master Schedule

2004 SAN SIMEON POST-EARTHQUAKE GPS SURVEY

Local Network Station Observation Schedule

Day 1, Tuesday, June 29, Julian Day 181

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) **Stop: local** (Stop: UTC)	**9:00am** (1600) **9:45am** (1645)	**11:00am** (1800) **11:45am** (1845)	**1:00pm** (2000) ~~**1:45pm**~~ 2:15 pm ~~(2045)~~ (21:15)	~~**3:00pm**~~ 3:30pm ~~(2200)~~ (22:30) ~~**3:45pm**~~ 4:15pm ~~(2245)~~ (23:15)
Caltrans 1	**B 707**	**TIDAL 5**	**PM 29.8**	**M 1315**
Caltrans 2	**PM 53.80**	**S 1314**	**J 695 RESET**	**HIWAY**
Caltrans 3	**K 707**	**T 693**	**05 09**	**H 1315**
Caltrans 4	**05 LG**	**05 LG**	**H 1316**	**PM 53.80**
Caltrans 5	**05 07**	**05 07**	**MON 1 PM 9.7**	**B 707**
Caltrans 6	**WINDSOR**	**RETAIN**	**Y 1315**	**Y 1315**
Caltrans 7	**NEGRANTI**	**NEGRANTI**	**Q 1315**	**Q 1315**

R.E. Brown
R.B. MacKenzie
L. Scott
K.A. Forsberg
R. Quinley
R. Zogata
J. Blaes

Extended Session 3 & Shifted Session 4 by 30 min due to Travel Time problems

Day 2, Wednesday, June 30, Julian Day 182

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) **Stop: local** (Stop: UTC)	**9:00am** (1600) **9:45am** (1645)	**11:00am** (1800) **11:45am** (1845)	**1:00pm** (2000) **1:45pm** (2045)	**3:00pm** (2200) ~~**3:45pm**~~ 4:15pm ~~(2245)~~ (23:15)
Caltrans 1	**PM 29.8**	**M 1315**	**B 707**	**TIDAL 5**
Caltrans 2	**J 695 RESET**	**HIWAY**	**PM 53.80**	**S 1314**
Caltrans 3	**05 09**	**H 1315**	**K 707**	**T 693**
Caltrans 4	**H 1316**	**PM 53.80**	**05 LG**	**05 LG**
Caltrans 5	**MON 1 PM 9.7**	**B 707**	**05 07**	**05 07**
Caltrans 6	**Y 1315**	**Y 1315**	**WINDSOR**	**RETAIN**
Caltrans 7	**Q 1315**	**Q 1315**	**NEGRANTI**	**NEGRANTI**

Same as Day 1

Extended Session 4 by 30 min due to PDOP Spike

2004 SAN SIMEON POST-EARTHQUAKE GPS SURVEY

Local Network Station Observation Schedule (cont'd.)

Day 3, Thursday, July 01, Julian Day 183

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) **Stop: local** (Stop: UTC)	**9:00am** (1600) **9:45am** (1645)	**11:00am** (1800) **11:45am** (1845)	**1:00pm** (2000) **1:45pm** (2045)	**3:00pm** (2200) **3:45pm** (2245)
Caltrans 1	**TIDAL 5**	**05 LL**	**05 LL**	**TEXACO**
Caltrans 2	**05 HK**	**GWM 33**	**Z 154**	**X 1449**
Caltrans 3	**05 KL**	**K 707**	**05 ML**	**SWAN**
Caltrans 4	**U 1450**	**U 1450**	**GARRISON**	**GARRISON**
Caltrans 5	**PM 46.87**	**PM 46.87**	**05 NK**	**HOG**
Caltrans 6	**A 1315**	**YORK**	**YORK**	**05 08**
Caltrans 7	**RETAIN**	**B 707**	**Y 707**	**05 NK**

Same as Day 1&2

Post poned Session 4 Due to Logistical Problems (PDOP & Time sub-mittal)

2004 SAN SIMEON POST-EARTHQUAKE GPS SURVEY

Local Network Station Observation Schedule

MAKE-UP SESSIONS

Day 4, Wednesday, July 7, Julian Day 189

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) **Stop: local** (Stop: UTC)	**9:00am** (1600) ~~**9:45am**~~ 10:00 AM ~~(1645)~~ (1700)	**11:00am** (1800) **11:45am** (1845)	**1:00pm** (2000) ~~**1:45pm**~~ 2:45 PM ~~(2045)~~ (2145)	~~**3:00pm**~~ 4:00 PM ~~(2200)~~ (2300) ~~**3:45pm**~~ 5:00 PM ~~(2245)~~ (2400)
R.E. Brown **Caltrans 1**	**B 707**	**B 707**	**H 1316**	**B 707**
J. Blaes **Caltrans 2**	**GWM 33**	**GWM 33**	**J 695 RESET**	**05 LG** * (& MacKenzie)
S. Meacham **Caltrans 3**	**NEGRANTI**	**K 707**	**05 09**	**WINDSOR**
~~**Caltrans 4**~~				
~~**Caltrans 5**~~				
~~**Caltrans 6**~~				
~~**Caltrans 7**~~				

Day 5, Thursday, July 8, Julian Day 190

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) **Stop: local** (Stop: UTC)	**9:00am** (1600) **9:45am** (1645)	**11:00am** (1800) **11:45am** (1845)	**1:00pm** (2000) **1:45pm** (2045)	**3:00pm** (2200) ~~**3:45pm**~~ 4:00 PM ~~(2245)~~ (2300)
Same as Day 4 **Caltrans 1**	**05 KL**	**B 707**	**B 707**	**YORK**
Caltrans 2	**05 HK**	**05 LG** *	**GWM 33**	**Y 707**
Caltrans 3	**A 1315**	**WINDSOR**	**NEGRANTI**	**05 LL** *
~~**Caltrans 4**~~				
~~**Caltrans 5**~~				
~~**Caltrans 6**~~				
~~**Caltrans 7**~~				

* = Occupied by USGS

Day ~~4~~ 6, Monday, July 12, Julian Day 194

OBSERVER	SESSION 1	SESSION 2	SESSION 3	SESSION4
Start: local (Start: UTC) Stop: local (Stop: UTC)	9:30am ~~(1600)~~ (1630) 10:15am ~~(1645)~~ (1715)	11:30am ~~(1800)~~ (1830) 12:15am ~~(1845)~~ (1915)	1:30pm ~~(2000)~~ (2030) 2:15pm ~~(2045)~~ (2115)	3:30pm ~~(2200)~~ (2230) 4:15pm ~~(2245)~~ (2315)
R.E. Brown Caltrans 1	05 LL *	TEXACO	TIDAL 5	05 LL
J. Walsh Caltrans 2	Z 154	X 1449	05 HK	GWM 33
S. Meacham Caltrans 3	05 ML	SWAN	05 KL	K 707
K.A. Forsberg Caltrans 4	GARRISON	GARRISON	U 1450	U 1450
R. Quinley Caltrans 5	05 NK	HOG	PM 46.87	PM 46.87
R. Zogata Caltrans 6	YORK	05 08	A 1315	YORK
J. Blaes Caltrans 7	Y 707	05 NK	RETAIN	B 707

* = Occupied by USGS

2004 SAN SIMEON POST-EARTHQUAKE GPS SURVEY

Primary Base Station Observing Schedule

Date	Julian Day	Start Time (UTC)	Stop Time (UTC)	Project Day
July 13 (Tuesday)	195	9:00am (1600)	2:00pm (2100)	~~5~~ 7
July 14 (Wednesday)	196	12:00pm (1900)	5:00pm (2400)	~~6~~ 8
July 15 (Thursday)	197	9:00am (1600)	2:00pm (2100)	~~7~~ 9

Station	Observing Unit
HPGN CA 05 09	Caltrans ~~1~~ 7 J. Blaes ~~R.B. MacKenzie~~
HIWAY	Caltrans 2 J. Walsh
HPGN CA 05 07	Caltrans 3 R.B. MacKenzie
HPGN D CA 05 LL	Caltrans 4 K.A. Forsberg
HOG	Caltrans 5 R. Quinley
05 HK	Caltrans 1 R.B. MacKenzie
York	Caltrans 6 G.A. Stilinovich (7/14 only)

Tues. 7-27-04
Day 209
Project Day 10

Session 1 (15:30 - 16:15 UTC) 08:30 - 09:15

1 05LL
3 05ML
2 York (optional)

Session 2 (17:30 - 18:15 UTC) 10:30 - 11:15

2 York
3 Y707 (1.5 mt. legs)
1 05LL

Session 3 (19:30 - 20:15 UTC) 12:30 - 13:15

1 05HK
2 05KL
3 A131

Session 4 (21:30 - 22:15 UTC) 14:30 - 15:15

4 HOGG
2 X144
1 TEXA
3 SWAN

1 = K.A. Forsberg 3 = R Hawkens
2 = G.A. Stilinovich 4 = N Taterian

Wed. 7-28-04
Day 210
Project Day 11

Session 1

2 YORK
1 RETA
3 PM46

Session 2

3 HOGG
2 X144
1 TEXA
~~SWAN~~

Session 3

2 05ML
3 Y707 (1.5 mt. legs)
5 ~~1~~ 05LL
4 York

Session 4

1 ~~5~~ SWAN
4 0508
2 GARR
3 Y707 (1.5 mt. legs)
5 ~~1~~ 05LL

5= K.A. Forsberg

SURVEY NOTES, 1/10" GRID

FILE

PARTY CHIEF	RECORDER	INSTRUMENT MAN	WEATHER	DATE OF SURVEY	PAGE OF

SURVEY DESCRIPTION

CHARGE-EXPEND AUTHOR

CO. - RTE. - PM

① = K.A. Forsberg ② = G.A. Stilinovich ③ = R. Hawkens

THURS 7/29/04
DAY 211

SESSION 1 8:30 - 9:15 1530 - 1615 UTC

1) 05LL

3) 05ML

2) YORK

SESSION 2 10:30 - 11:15 1730 - 1815 UTC

1) 05LL

3) 05ML

2) YORK

SESSION 3 12:30 - 13:15 1930 - 2015 UTC

1) TEXA

2) X144

3) SWAN

SESSION 4 14:30 - 15:15 2130 - 2215 UTC

1) TEXA

2) X144

3) HOGG

San Simeon

J.D. 216 14:30 - 15:30 8-03-2004

Session 3

② ~~①~~ 05HK

① ~~②~~ 05KL

③ A131

① = R.B. MacKenzie

② = R.B. MacKenzie

③ = J. Welsh

San Simeon

J.D. 217 8-04-2004

Session 01 08:00 - ~~09:30~~ 10:15

① Y707

② York

③ Retain ④ PM4C

Session 02/03 11:30 - 12:30 / 13:30 - 14:30

④ ~~②~~ PM 46

② York

③ Reta

① ~~④~~ Y 707 * ~~optional (for Nick)~~

Session 04 15:30 - 16:30

④ ~~②~~ Hogg

① X 144

③ Texa

① } R.B. Mackenzie / N. Tatevian
② }

③ J. Walsh

④ J. Blees

JD 181 6-29-2004

Session 01 07:56 - 09:48

Session 02 10:28 - 11:47

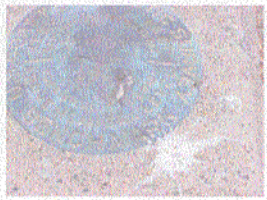
Session 03 12:54 - 13:47 13:28 - 14:16

Session 04 14:22 - 16:21


B7071811A.JPG


B7071811B.JPG


B7071811C.JPG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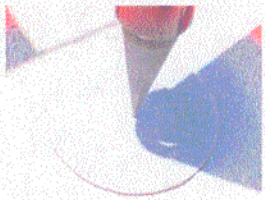
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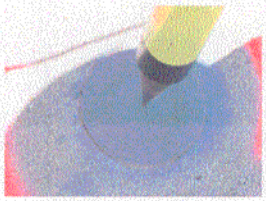
J6951813B.JPG


J6951813C.JPG


M1311814A.JPG


TID51812A.JPG


TID51812B.JPG

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-2004	Day of Year: 181	EA: 908160
Operator: RE BROWN		Agency: CalTrans – District 05
Receiver #: 1 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100990
Controller # : 11 P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031634
Antenna #: 1 P/N: 41249-00	Manufacturer: Trimble DC: 4126	Model: Zephyr Geodetic S/N: 12200511

OBSERVATION TECHNIQUE Static ☒

Session #: 1 Station Name: B 707 PID: FV 0967 (CAPS)

4 Character ID: B 707 File Name(s): B7071811.DAT

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled Start Time (Local) 9:00 AM Start Time (UTC) 1600 End Time (Local) 9:45 AM End Time (UTC) 1645

Actual Start Time (Local) 8:33 AM Start Time (UTC) 1533 End Time (Local) 9:45 AM End Time (UTC) 1645

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe

Tripod # : 1 Tripod Manufacturer: SECO Tripod Color: GREEN

BUBBLE Adjustment - Verified ☒ Adjusted ☐ (Initials): RBM

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000	6.56	2.000	6.56
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000	6.56	2.000	6.56

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 m

Vehicle is parked 20 meters NW (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain

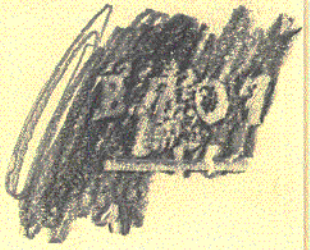
PHOTOGRAPH LOG

Frame # or File name	Description
100-0049	PIC. W/ ROD ON POINT. B7071811B.jpg

Remarks, Weather, Comments on Problems, Sketches, etc.

Photos - DSC00048/50 Renamed to B7071811A/D

Log Checked By: R.B.M. Date: 8-09-2004



NUMBER SHOWN
MORE CLEARLY

6-29-2004 B707 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R E BROWN ✓		Agency: CalTrans – District 05
Receiver #: 1 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100990 ✓
Controller # : 11 P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031634 ✓
Antenna #: P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic S/N: 12200511 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓ Station Name: TIDAL 5 ✓ PID: FV 0401 ✓ (CAPS)

4 Character ID: TID5 ✓ File Name(s): TID51812.DAT ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 AM ✓ Start Time (UTC) 1800 ✓ End Time (Local) 11:45 AM ✓ End Time (UTC) 1845 ✓

Actual
Start Time (Local) 10:41 AM ✓ Start Time (UTC) 1741 ✓ End Time (Local) 11:45 AM ✓ End Time (UTC) 1845 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 1 Tripod Manufacturer: SECO Tripod Color: GREEN
Adjustment - Verified ☒ Adjusted ☐ (Initials): RRB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000	6.56	2.000	6.56
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000	6.56	2.000	6.56

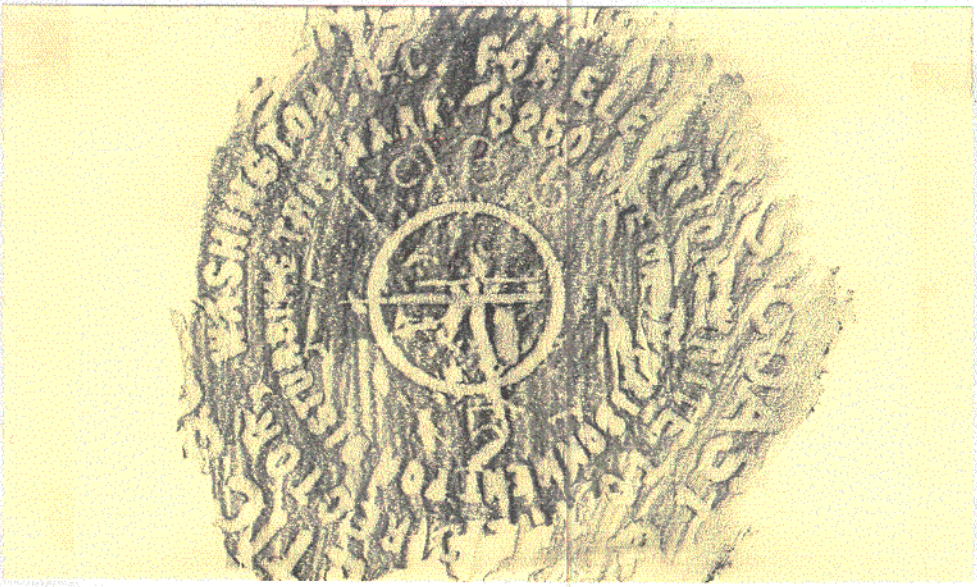
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10m
Vehicle is parked 30 meters N'LY (direction) from antenna and (~~Above~~/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description
100-052	BM TID51812A.jpg
100-053	BM & PEDESTAL w/ PLAQUE TID51812B.jpg

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004

TIDS 181 Session 02

GPS FIELD OBSERVATION LOG

MON-1 - PM 25.89 @ VICENTE CR. BR. (44-57)

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R E BROWN ✓		Agency: CalTrans – District 05
Receiver #: 1 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 S/N: 0440100990 ✓ Firmware Version: v 2.01
Controller # : 11 P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe S/N: 00031634 ✓ Firmware Version: Survey Controller v 10.72
Antenna #: 1 P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic S/N: 12200511 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 Station Name: J695 RESET ✓ PID: GU2755 ✓ CAPS

4 Character ID: J695 ✓ File Name(s): J6951813.DAT ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1:00 PM ✓ Start Time (UTC) 2000 ✓ End Time (Local) ~~1:45~~ 2:15 PM ✓ End Time (UTC) ~~2045~~ 2115 ✓

Actual
Start Time (Local) 1:28 PM ✓ Start Time (UTC) 2028 ✓ End Time (Local) 2:15 PM ✓ End Time (UTC) 2115 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 1 Tripod Manufacturer: SECO Tripod Color: GREEN
Adjustment - Verified ☒ Adjusted ☐ (Initials): RRB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000	6.56	2.000	6.56
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000	6.56	2.000	6.56

Antenna plumb before session? (Y/~~N~~) Antenna plumb after session? (Y/N) Antenna cable length 10 m
Vehicle is parked 40 meters SE'LY (direction) from antenna and (~~Above~~/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/~~N~~) If no explain _____

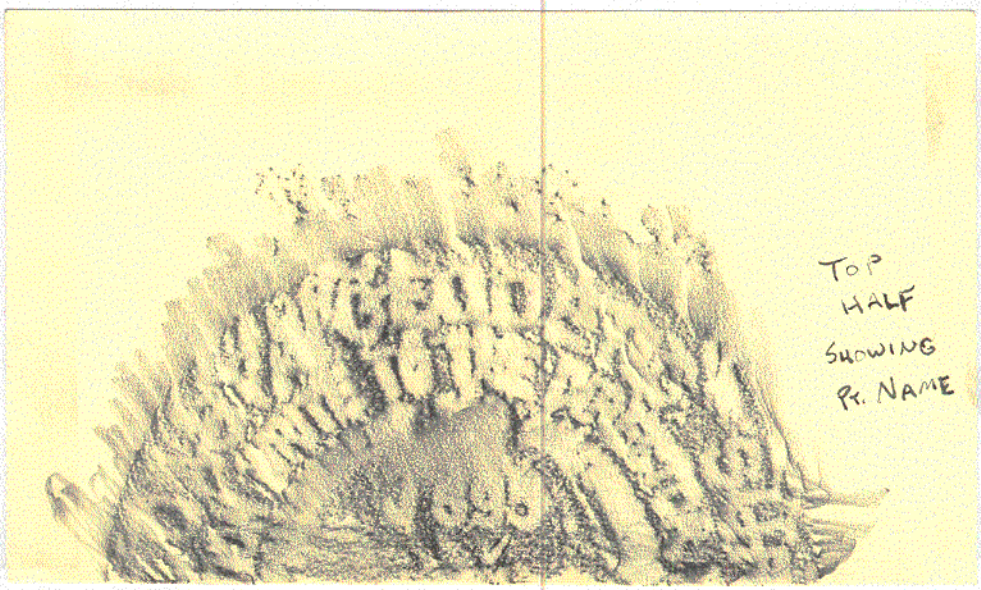
PHOTOGRAPH LOG

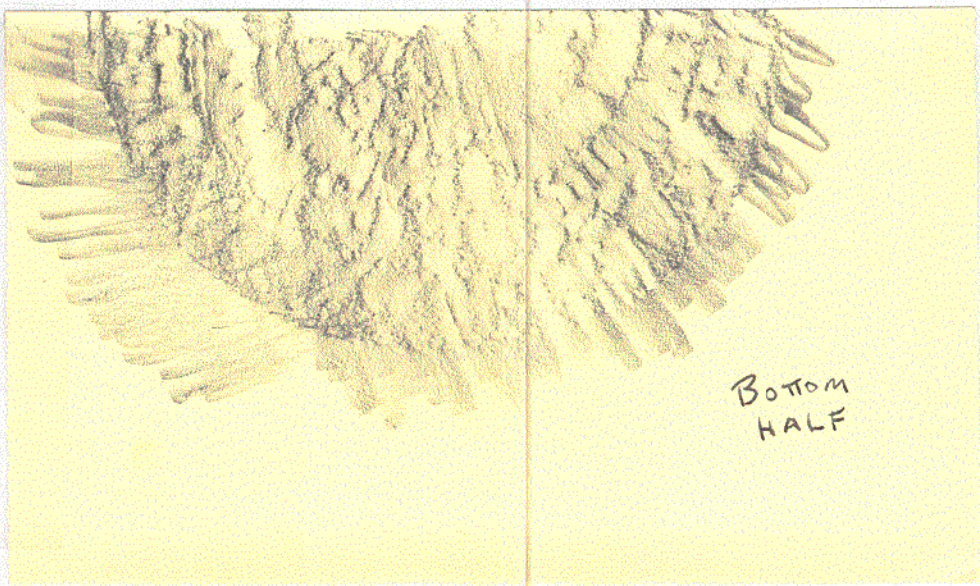
Frame # or File name	Description
100-0056	ROD ON PT. J6951813C.jpg

Remarks, Weather, Comments on Problems, Sketches, etc.

ARRIVED AT STATION ABOUT A HALF HOUR LATE, SET UP WITHOUT INCIDENT AND EXTENDED SESSION BY A HALF HOUR.

Log Checked By: R.B.M. Date: 8-09-2004





6-29-2004 J695 181 Session 03

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R E BROWN ✓		Agency: CalTrans – District 05
Receiver #: 1 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100990 ✓
Controller # : 11 ✓ P/N: 45185- 10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031634 ✓
Antenna #: 1 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic S/N: 12200511 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: M 1315 ✓ PID: FV 1132 ✓ CAPS

4 Character ID: M131 ✓ File Name(s): M131 1814.DAT ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled Start Time (Local) 3:30 PM ✓ ~~3:00 PM~~ Start Time (UTC) 2230 ✓ ~~2200~~ End Time (Local) 4:15 PM ✓ ~~3:45 PM~~ End Time (UTC) 2315 ✓ ~~2245~~

Actual Start Time (Local) 3:10 PM ✓ Start Time (UTC) 2210 ✓ End Time (Local) 4:15 PM ✓ End Time (UTC) 2315 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 1 Tripod Manufacturer: SECO Tripod Color: GREEN

Adjustment - Verified ☒ Adjusted ☐ (Initials): RBB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000	6.56	2.000	6.56
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000	6.56	2.000	6.56

Antenna plumb before session? (Y/~~N~~) Antenna plumb after session? (Y/N) Antenna cable length 10 m

Vehicle is parked 15 meters S'LY (direction) from antenna and (~~Above~~/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/~~N~~) If no explain _____

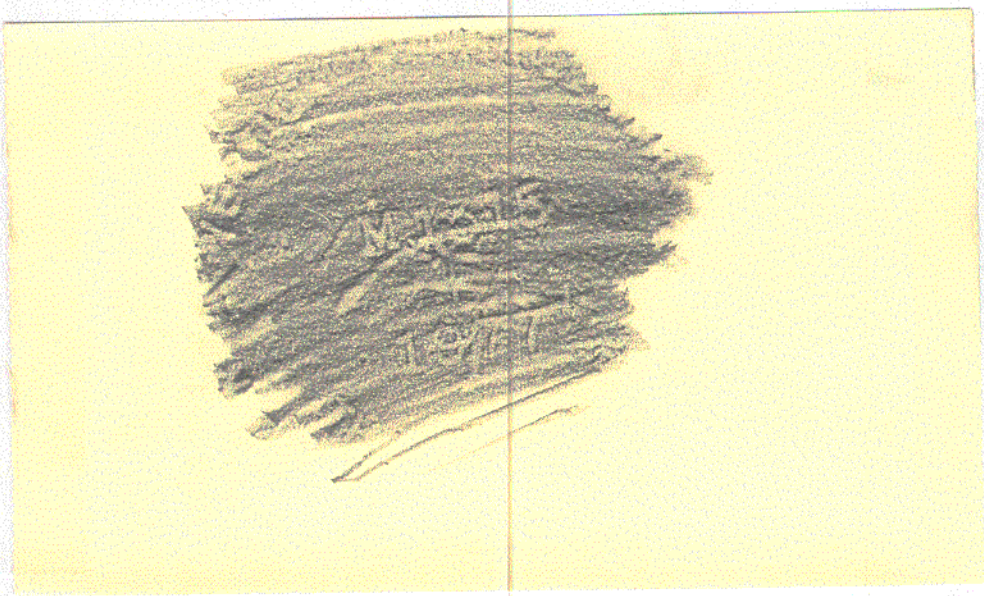
PHOTOGRAPH LOG

Frame # or File name	Description
100-0057	STATION IN PROTECTIVE SLEEVE. M1311814A.jpg

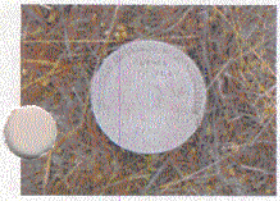
Remarks, Weather, Comments on Problems, Sketches, etc.

ONLY 4 SATTELITES @ 3:15, 3:40. 5 SV's @ 4:00.

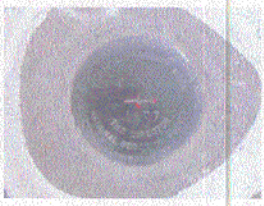
Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 M131 181 Session 04
(M 1315)


jd181 001.jpg


jd181 002.jpg


jd181 003.jpg


jd181 004.jpg


jd181 005.jpg


jd181 006.jpg


jd181 007.jpg

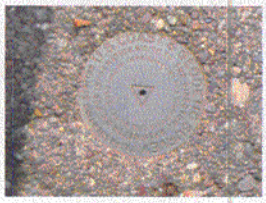

jd181 008.jpg


jd181 009.jpg


jd181 010.jpg


jd181 011.jpg


jd181 012.jpg


jd181 013.jpg


jd181 014.jpg

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-2004 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R.B. MacKenzie III ✓		Agency: CalTrans – District 05
Receiver #: 2 ✓ Manufacturer: Trimble P/N: 40406-46	Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller # : A ✓ Manufacturer: Trimble P/N: 45185- 10 ✓	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ Manufacturer: Trimble P/N: 41249-00 DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 11884506 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: SLO 1 PM 53.8 ✓ (05 MG) PID: FV 2076 ✓

4 Character ID: PM53 ✓ File Name(s): PM531811 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 09:00 ✓ Start Time (UTC) 16:00 ✓ End Time (Local) 09:45 ✓ End Time (UTC) 16:45 ✓

Actual
Start Time (Local) 08:45 ✓ Start Time (UTC) 15:45 ✓ End Time (Local) 09:45 ✓ End Time (UTC) 16:45 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 2 Tripod Manufacturer: SECO Tripod Color: Green
Adjustment - Verified ☐ Adjusted ☒ (Initials): R.B.M.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000		2.000	
B = Additional offset to ARP if any (Quick Release/ HH constant)	Ø		Ø	
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000		2.000	

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt.
Vehicle is parked 16 mt. ± meters SW'ly (direction) from antenna and (Above/Below)
Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain Photos taken

PHOTOGRAPH LOG

Frame # or File name	Description
1	Close up of monument
2	Overall shot of set-up Looking N'ly

Remarks, Weather, Comments on Problems, Sketches, etc.
Overcast, cool, calm
Begin PDOP 1.9 09:20 PDOP 1.7
End PDOP 1.5

Log Checked By: R.B.M. Date: 8-09-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-2004 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R.B. MacKenzie III ✓		Agency: CalTrans – District 05
Receiver #: 2 ✓ Manufacturer: Trimble P/N: 40406-46	Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller # : A ✓ Manufacturer: Trimble P/N: 45185- 10 ✓	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ Manufacturer: Trimble P/N: 41249-00 DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 11884506 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓ Station Name: S1314 ✓ 1977 PID: FV 1106 ✓

4 Character ID: S131 ✓ File Name(s): S1311812 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 ✓ Start Time (UTC) 18:00 ✓ End Time (Local) 11:45 ✓ End Time (UTC) 18:45 ✓

Actual
Start Time (Local) 10:45 ✓ Start Time (UTC) 17:45 ✓ End Time (Local) 11:45 ✓ End Time (UTC) 18:45 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☐ Collapsible Leg Tripod ☒ Other ☐ Describe _____
Tripod # : LL-1 Tripod Manufacturer: Wild Tripod Color: Yellow / Orange
Adjustment - Verified ☒ Adjusted ☐ (Initials): R.B.M.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	0.544 ✓	1.785	0.544 ✓	1.785
B = Additional offset to ARP if any (Quick Release/HH constant)	0.277 ✓	0.909	0.277 ✓	0.909
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	0.821 ✓	2.694	0.821 ✓	2.694

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt.
Vehicle is parked 35 mt. ± meters N'ly (direction) from antenna and (Above/Below)
Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain Photos Taken

PHOTOGRAPH LOG

Frame # or File name	Description
3	Close up of monument
4	Overall Set-up Looking S'ly

Remarks, Weather, Comments on Problems, Sketches, etc. Begin PDOP 2.2. 11:20 PDOP 1.9
Overcast, cool, slight breeze

Log Checked By: R.B.M. Date: 8-09-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-2004	Day of Year: 181	EA: 908160
Operator: R.B. MacKenzie		Agency: CalTrans – District 05
Receiver #: 2 Manufacturer: Trimble Model: 5700 S/N: 0440100986 P/N: 40406-46 Firmware Version: v 2.01		
Controller # : A Manufacturer: Trimble Model: TSCe S/N: 00026155 P/N: 45185- 10 Firmware Version: Survey Controller v 10.72		
Antenna #: 2 Manufacturer: Trimble Model: Zephyr Geodetic S/N: 11884506 P/N: 41249-00 DC: 4126		

OBSERVATION TECHNIQUE Static ☒

Session #: 3 Station Name: MON 1 PM 29.8 (Reset 2004) PID: GU4325

4 Character ID: PM29 File Name(s): PM291813

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 13:00 Start Time (UTC) 20:00 End Time (Local) 13:45 End Time (UTC) 20:45

Actual
Start Time (Local) 13:34 Start Time (UTC) 20:34 End Time (Local) ~~13~~ 14:15 End Time (UTC) 21:15

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 2 Tripod Manufacturer: SECO Tripod Color: Green
Adjustment - Verified ☒ Adjusted ☐ (Initials): R.B.M.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000		2.000	
B = Additional offset to ARP if any (Quick Release/ HH constant)	Ø		Ø	
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000		2.000	

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt
Vehicle is parked 23 mt. ± meters S'ly (direction) from antenna and (Above/Below)
Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain Photo Taken

PHOTOGRAPH LOG

Frame # or File name	Description
5	Overall Set-up Looking N'ly
6	Overall Set-up Looking N'ly
7	Set-up Looking SW'ly
8	Close-up of monument

Remarks, Weather, Comments on Problems, Sketches, etc.

Begin PDOP 2.1 14:00 PDOP 100+
End PDOP 8+ (4 SV's)

Clearing, warm, breezy

Extended Session by 30 min due to travel (late arrival)

Log Checked By: R.B.M. Date: 8-09-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-2004 ✓	Day of Year: 181 ✓	EA: 908160
Operator: R.B. MacKenzie ✓		Agency: CalTrans – District 05
Receiver #: 2 ✓ Manufacturer: Trimble Model: 5700 S/N: 0440100986 ✓ P/N: 40406-46 Firmware Version: v 2.01		
Controller # : A ✓ Manufacturer: Trimble Model: TSCe S/N: 00026155 ✓ P/N: 45185- 10 ✓ Firmware Version: Survey Controller v 10.72		
Antenna #: 2 ✓ Manufacturer: Trimble Model: Zephyr Geodetic S/N: 1188 4506 ✓ P/N: 41249-00 DC: 4126 ✓		

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: HIWAY ✓ 1932 PID: FV1002

4 Character ID: HIWA ✓ File Name(s): HIWA1814 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled (Revised)
Start Time (Local) 15:30 ✓ Start Time (UTC) 22:30 ✓ End Time (Local) 16:15 ✓ End Time (UTC) 23:15 ✓

Actual
Start Time (Local) 15:33 ✓ Start Time (UTC) 22:33 ✓ End Time (Local) 16:20 ✓ End Time (UTC) 23:20 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 2 Tripod Manufacturer: SECO Tripod Color: Green
Adjustment - Verified ☒ Adjusted ☐ (Initials): R.B.M.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.000		2.000	
B = Additional offset to ARP if any (Quick Release/ HH constant)	Ø		Ø	
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000		2.000	

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt
Vehicle is parked 25 mt ± meters SE'ly (direction) from antenna and (Above/Below)
Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain Photos Taken

PHOTOGRAPH LOG

Frame # or File name	Description
9	Overall of Set-up looking W'ly
10	Overall of Set-up looking S'ly showing erosion
11	" " Looking NW'ly
12	" " Looking NE'ly
13 & 14	Close up of monument

Remarks, Weather, Comments on Problems, Sketches, etc. Beg PDOP 8+ (4 SV's) 15:40 PDOP 2.6 (5 SV's)

High clouds, warm, light Breeze

Log Checked By: R.B.M. Date: 8-09-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓		EA: 908160
Operator: L. Scott ✓			Agency: CalTrans – District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller # : 13 ✓ P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00031555
Antenna #: 3 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4124 ✓	Model: Zephyr Geodetic	S/N: 6223499 4 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: K707 ✓ PID: FV 1032 ✓ CAPS

4 Character ID: K707 ✓ File Name(s): K7071811 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) ~~0715~~ 9:00 ✓ Start Time (UTC) 1600 ✓ End Time (Local) 9:45 ✓ End Time (UTC) 1645 ✓

Actual
Start Time (Local) 0756 ✓ Start Time (UTC) 1456 ✓ End Time (Local) 9:45 ✓ End Time (UTC) 1645 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 3 Tripod Manufacturer: SECO Tripod Color: GREEN

Adjustment - Verified ☐ Adjusted ☒ (Initials): L. S.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.0	6'6 3/4"	2.0	6'6 3/4"
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.0	6'6 3/4"	2.0	6'6 3/4"

Antenna plumb before session? (Y/N) Y Antenna plumb after session? (Y/N) Y Antenna cable length 10 METERS

Vehicle is parked 15 meters SOUTHERLY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004

6-29-2004 K707 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04	Day of Year: 181	EA: 908160
Operator: L. Scott		Agency: CalTrans – District 05
Receiver #: 3 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100467
Controller # : 13 P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031555
Antenna #: 3 P/N: 41249-00	Manufacturer: Trimble DC: 4124	Model: Zephyr Geodetic S/N: 12234994

OBSERVATION TECHNIQUE Static ☒

Session #: 2 Station Name: T693 PID: FV0754 (CAPS)

4 Character ID: T693 File Name(s): T6931812

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 Start Time (UTC) 1800 End Time (Local) 11:45 End Time (UTC) 1845

Actual
Start Time (Local) 10:52 Start Time (UTC) 1752 End Time (Local) 11:45 End Time (UTC) 1845

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 3 Tripod Manufacturer: SECO Tripod Color: GREEN

Adjustment - Verified ☒ Adjusted ☐ (Initials): J. A.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.0	6' 6 3/4"	2.0	6' 6 3/4"
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.0	6' 6 3/4"	2.0	6' 6 3/4"

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 meters

Vehicle is parked 15 meters Westerly (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004

6-29-2004 T693 181 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: L. Scott ✓		Agency: CalTrans – District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100467 ✓
Controller # : 13 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00081555 ✓
Antenna #: 3 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4124 ✓	Model: Zephyr Geodetic S/N: 12234994 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 ✓ Station Name: HPGN CA 0509 ✓ PID: FV 2052 ✓

4 Character ID: 0509 ✓ File Name(s): 05091813 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1:00 ✓ Start Time (UTC) 2000 ✓ End Time (Local) ~~1:45~~ 2:15 ✓ End Time (UTC) ~~2045~~ ~~2145~~ 21:15

Actual
Start Time (Local) 1:12 Start Time (UTC) 2012 End Time (Local) End Time (UTC) ~~2045~~

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 3 Tripod Manufacturer: SECO Tripod Color: GREEN
Adjustment - Verified ☒ Adjusted ☐ (Initials): L. S.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.0	6'6 3/4"	2.0	6'6 3/4"
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.0	6'6 3/4"	2.0	6'6 3/4"

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 meters
Vehicle is parked 20 meters Westerly (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

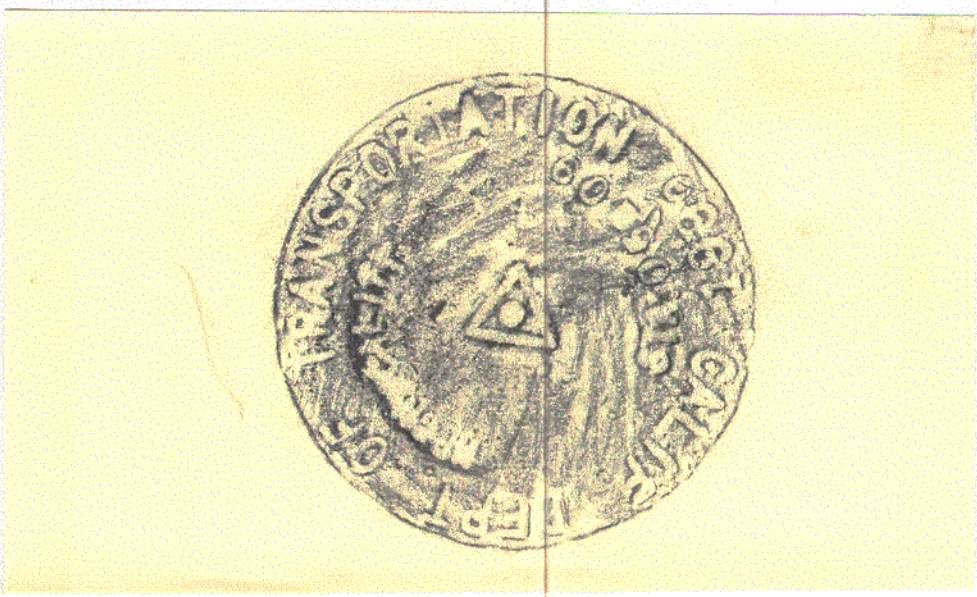
PHOTOGRAPH LOG

Frame # or File name	Description

Only 3 kb of data
No Usable data!

Remarks, Weather, Comments on Problems, Sketches, etc.
ADDED 30 MIN. TO SESSION ✓
DIDN'T ENTER ANT. Height till store time

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 0509 181 Session 03

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: L. Scott ✓		Agency: CalTrans – District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0440100467 ✓
Controller # : 13 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031555 ✓
Antenna #: 3 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4124 ✓	Model: Zephyr Geodetic S/N: 12234994 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: H1315 ✓ PID: FV1127 ✓ CAPS

4 Character ID: H315 ✓ File Name(s): H3151814 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 3:30 ✓ Start Time (UTC) 2230 ✓ End Time (Local) 4:15 ✓ End Time (UTC) 2315 ✓

Actual
Start Time (Local) 3:17 ✓ Start Time (UTC) 2217 ✓ End Time (Local) 4:17 ✓ End Time (UTC) 2317 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 3 Tripod Manufacturer: SEGO Tripod Color: GREEN

Adjustment - Verified ☒ Adjusted ☐ (Initials): L. A.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.0		2.0	
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.0		2.0	

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 meters

Vehicle is parked 15 meters Northerly (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004

6-29-2004 H315 (H 1315) 181 Session 04

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: KEITH ALBERT FORSBERG ✓		Agency: CalTrans – District 05
Receiver #: 4 ✓ Manufacturer: Trimble Model: 5700 S/N: 0220247368 P/N: 40406-46 Firmware Version: v 2.01		
Controller # : 4C ✓ Manufacturer: Trimble Model: TSCe S/N: 00031569 ✓ P/N: 45185- 10 Firmware Version: Survey Controller v 10.72		
Antenna #: 4 ✓ Manufacturer: Trimble Model: Zephyr Geodetic S/N: 12200360 5 P/N: 41249-00 DC: 4126 ✓		

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: 05LG ✓ PID: FV2068 ✓ CRPS

4 Character ID: 05LG ✓ File Name(s): 05LG1811 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 9:00 ✓ Start Time (UTC) 1600 ✓ End Time (Local) 9:45 ✓ End Time (UTC) 1645 ✓

Actual
Start Time (Local) 8:36 ✓ Start Time (UTC) 1536 ✓ End Time (Local) 9:45 ✓ End Time (UTC) 1645 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☑ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 4 Tripod Manufacturer: SECO Tripod Color: GREEN
Adjustment - Verified ☑ Adjusted ☐ (Initials): K.A.F.

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.00			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.00			

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 m
Vehicle is parked 30 meters NORTH (direction) from antenna and (Above/Below)
Pencil rubbing ☑ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

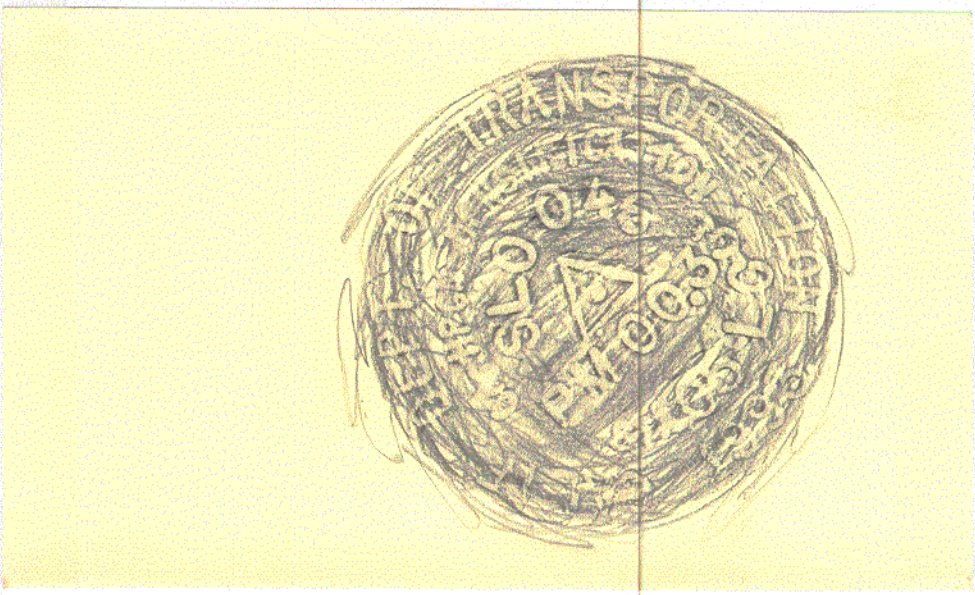
2 LARGE C-TRAINS 2.3M N.E. AND A HEIGHT OF 1.0M ABOVE ANTENNA.

WEATHER- COOL AND OVERCAST, NO WIND.

ANTENNA CONNECTOR TO NORTH.

SAND BAGS ON ALL THREE FEET.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 05LG 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: KEITH ALBERT FORSBERG ✓		Agency: CalTrans – District 05
Receiver #: 4 ✓ Manufacturer: Trimble P/N: 40406-46	Model: 5700 Firmware Version: v 2.01	S/N: 0220247368
Controller # : 4C ✓ Manufacturer: Trimble P/N: 45185- 10	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00031569 ✓
Antenna #: 4 ✓ Manufacturer: Trimble P/N: 41249-00 DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 12200350

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓ Station Name: 05LG ✓ PID: FV2068 ✓ (CAPS)

4 Character ID: 05LG ✓ File Name(s): 05LG1812 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 ✓ Start Time (UTC) 1800 ✓ End Time (Local) 11:45 ✓ End Time (UTC) 18:45 ✓

Actual
Start Time (Local) 10:28 ✓ Start Time (UTC) 17:28 ✓ End Time (Local) 11:45 ✓ End Time (UTC) 18:45 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☑ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 4 Tripod Manufacturer: SECO Tripod Color: GREEN

Adjustment - Verified ☑ Adjusted ☐ (Initials): K.A.F

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.00			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.00			

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M

Vehicle is parked 30 meters NORTH (direction) from antenna and (Above/Below)

Pencil rubbing ☑ or sketch ☐ attached (Y/N) If no explain _____

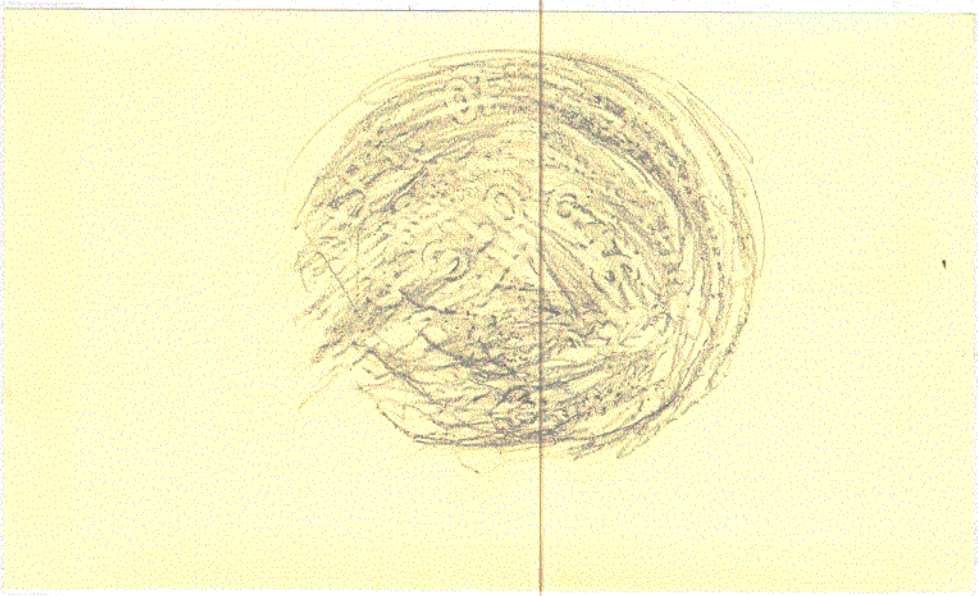
PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

2 LARGE C-TRAINS 2.3 M N.E. AND A HEIGHT OF 1.0 M ABOVE ANTENNA.
WEATHER- COOL AND OVERCAST, NO WIND.
ANTENNA CONNECTOR TO NORTH.
SAND BAGS ON ALL THREE FEET.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 05LG 181 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		**SR#:** 0405-0092
Observation Date: 6-29-04 ✓	**Day of Year:** 181 ✓	**EA:** 908160
Operator: KEITH ALBERT FORSBERG ✓		**Agency:** CalTrans – District 05
Receiver #: 4 ✓ **Manufacturer:** Trimble **Model:** 5700 **S/N:** 0220247368 **P/N:** 40406-46 **Firmware Version:** v 2.01		
Controller # : 4C ✓ **Manufacturer:** Trimble **Model:** TSCe **S/N:** 00031569 ✓ **P/N:** 45185-10 **Firmware Version:** Survey Controller v 10.72		
Antenna #: 4 ✓ **Manufacturer:** Trimble **Model:** Zephyr Geodetic **S/N:** 12200360 5 **P/N:** 41249-00 **DC:** 4126 ✓		

OBSERVATION TECHNIQUE **Static** ☒

Session #: 3 ✓ **Station Name:** H1316 ✓ **PID:** FV1151

4 Character ID: H1316 ✓ CAPS **File Name(s):** H31618 13 (A) ADDITIONAL 30 MINUTES. CAPS

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1:00 ✓ **Start Time (UTC)** 2000 ✓ **End Time (Local)** ~~1:45~~ 2:15 ✓ **End Time (UTC)** ~~2045~~ 2115 ✓

Actual
Start Time (Local) 1:09 ✓ **Start Time (UTC)** 2009 **End Time (Local)** ~~1:45~~ ~~2:15~~ 13:45 **End Time (UTC)** ~~2045~~ ~~2115~~ 20:45

ANTENNA INFORMATION

Fixed Height Tripod ☑ **Collapsible Leg Tripod** ☐ **Other** ☐ **Describe** _____
Tripod # : 4 **Tripod Manufacturer:** SECO **Tripod Color:** GREEN
Adjustment - Verified ☐ **Adjusted** ☐ **(Initials):** _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.00			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.00			

Antenna plumb before session? (Y/N) **Antenna plumb after session?** (Y/N) **Antenna cable length** 10 M
Vehicle is parked 30 **meters** SOUTH **(direction) from antenna and (Above/Below)**
Pencil rubbing ☑ **or sketch** ☐ **attached** (Y/N) **If no explain** _____

PHOTOGRAPH LOG

Frame # or File name	Description
	* FOR SESSION 'A' THE PDOP WAS 15.6. THEIR WAS
	NO STORE BUTTON. DID NOT WANT TO ABANDON POINT.
	I TURNED OFF TSCE AND DISCONNECTED EQUIPMENT
	AND MOVED TO 53.80.

Remarks, Weather, Comments on Problems, Sketches, etc.

LARGE BUSH 2.0M EAST, 2.0 M ABOVE ANTENNA,
COOL, CLEAR, LIGHT BREEZE
LOCATION- OLD BURNT DOWN PACIFIC VALLEY STORE.
SAND BAGS ON ALL THREE FEET.

Rec. #4
05LG182a.dat
29 Kb data
?
No Useble Data

Log Checked By: R.B.M. **Date:** 8-09-2004

6-29-2004 H316 (H 1316) 181 Session 03

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: KEITH ALBERT FORSBERG ✓		Agency: CalTrans – District 05
Receiver #: 4 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220247368
Controller # : 4C ✓ P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00031569 ✓
Antenna #: 4 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic S/N: 1220035 ~~0~~ 5

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: PM 53.80 ✓ PID: FV2076 ✓ CAPS

4 Character ID: PM53 ✓ Edit File Name(s): PM531814 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled				
Start Time (Local) ~~3:00~~ 30 ✓	Start Time (UTC) ~~2200~~ 30 ✓	End Time (Local) ~~3:45~~ 4:15 ✓	End Time (UTC) ~~2245~~ 2315 ✓	
Actual				
Start Time (Local) 15:31	Start Time (UTC) 22:31	End Time (Local) ~~3:45~~ 4:15 ✓	End Time (UTC) ~~2245~~ 2315 ✓	

ANTENNA INFORMATION

Fixed Height Tripod ☑ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 4 Tripod Manufacturer: SECO Tripod Color: GREEN

Adjustment - Verified ☑ Adjusted ☐ (Initials): K.A.F

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	2.00			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.00			

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M

Vehicle is parked 30 meters WEST (direction) from antenna and (Above/Below)

Pencil rubbing ☑ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

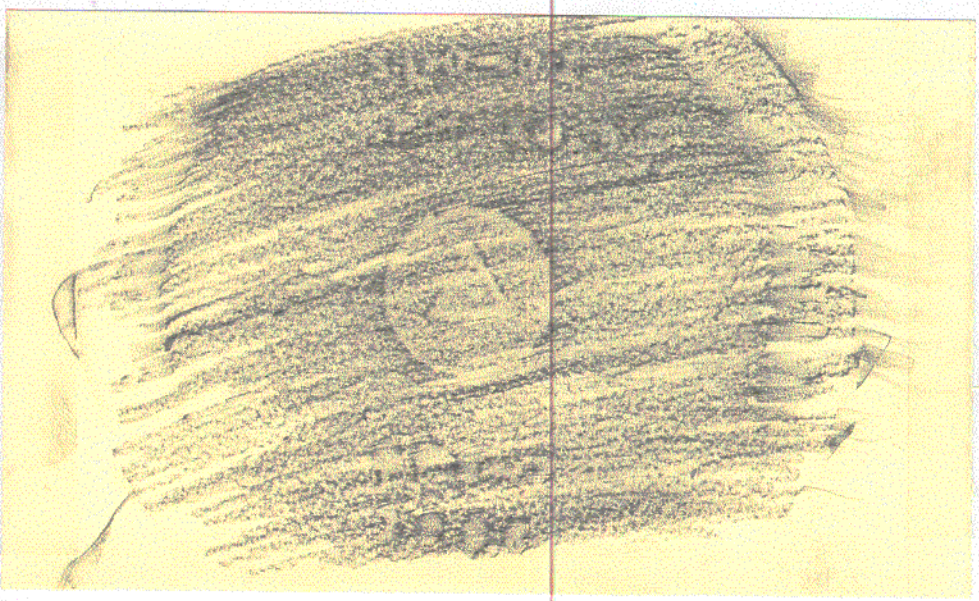
Remarks, Weather, Comments on Problems, Sketches, etc.

* PDOP WAS 14.3 WHEN RECEIVER WAS STARTED!

NO OBSTRUCTION AT TOP OF CUT SLOPE ALONG FENCE LINE.

SAND BAGS USED ON ALL THREE FEET.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 PM53 181 Session 04

(SLO 1 PM 53.8)

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: JUNE 29 2004 ✓	Day of Year: 181 ✓	EA: 908160
Operator: RICHARD QUINLEY ✓		Agency: CalTrans – District 05
Receiver #: 5 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220310075 ✓
Controller # : 5 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028887 ✓
Antenna #: 5 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4315	Model: Zephyr Geodetic S/N: 1242 2830 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: ~~0507~~ HPGN CA 0507 ✓ PID: FV2050 ✓

4 Character ID: 0507 ✓ File Name(s): ~~0507181A~~ ✓ 05071811 CAPS

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled	Start Time (Local)	0900 ✓	Start Time (UTC)	1600 ✓	End Time (Local)	09:45 ✓	End Time (UTC) 1645 ✓
Actual	Start Time (Local)	0840 ✓	Start Time (UTC)	1540 ✓	End Time (Local)	09:47 ✓	End Time (UTC) 1647 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 5 Tripod Manufacturer: SECO Tripod Color: YELLOW

Adjustment - Verified ☐ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.905		
B = Additional offset to ARP if any (Quick Release/ HH constant)	~~0~~	~~0~~		
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.905		

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M

Vehicle is parked 20 meters W'LY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

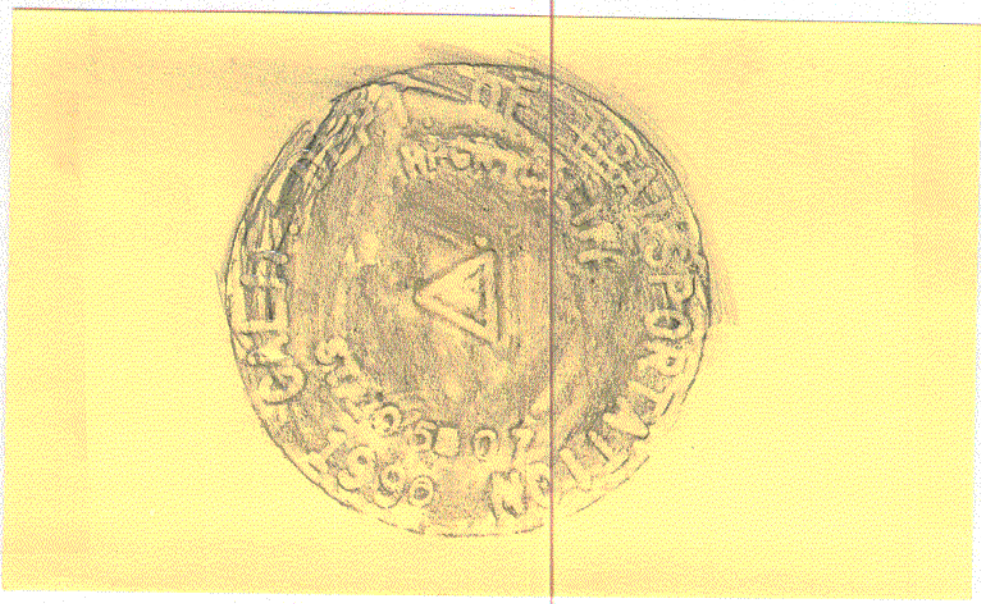
Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

FILE NAME - ~~0507181A~~ 05071811.dat

WEATHER - OVERCAST

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 0507 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: JUNE 29 2004 ✓	Day of Year: 181 ✓	EA: 908160
Operator: RICHARD QUINLEY ✓		Agency: CalTrans – District 05
Receiver #: 5 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220310075 ✓
Controller # : 5 ✓ P/N: 45185- 10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028887 ✓
Antenna #: 5 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4315	Model: Zephyr Geodetic S/N: 1242 2830 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓ Station Name: ~~0507~~ HPGN CA 0507 ✓ PID: FV2050 ✓ CAPS

4 Character ID: 0507 ✓ File Name(s): 05071812 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 ✓ Start Time (UTC) 1800 ✓ End Time (Local) 1145 ✓ End Time (UTC) 1845 ✓

Actual
Start Time (Local) 10:50 ✓ Start Time (UTC) 1750 ✓ End Time (Local) 1146 ✓ End Time (UTC) 1846 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 5 Tripod Manufacturer: SECO Tripod Color: YELLOW

Adjustment - Verified ☐ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.905		
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0		
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.905		

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M

Vehicle is parked 20 meters W'LY (direction) from antenna and (Above/Below)

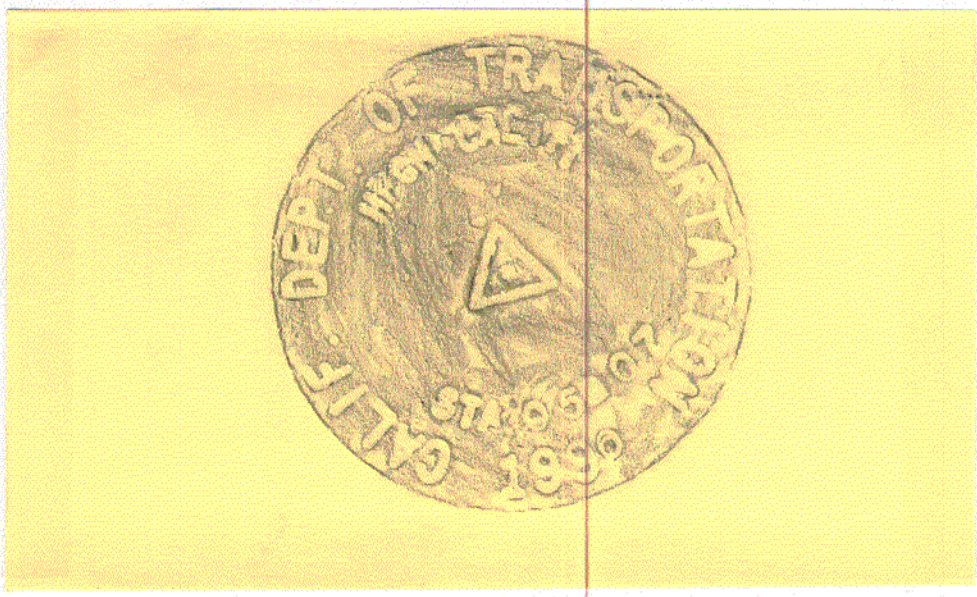
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 0507 181 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		**SR#:** 0405 - 0092
Observation Date: JUNE 29 2004 ✓	**Day of Year:** 181 ✓	**EA:** 908160
Operator: RICHARD QUINLEY ✓		**Agency:** CalTrans – District 05

Receiver #: 5 ✓ **P/N:** 40406-46	**Manufacturer:** Trimble	**Model:** 5700 **Firmware Version:** v 2.01	**S/N:** 0220310075 ✓
Controller # : 5 ✓ **P/N:** 45185- 10 ✓	**Manufacturer:** Trimble	**Model:** TSCe **Firmware Version:** Survey Controller v 10.72	**S/N:** 00028887 ✓
Antenna #: 5 ✓ **P/N:** 41249-00	**Manufacturer:** Trimble **DC:** 4315	**Model:** Zephyr Geodetic	**S/N:** 1242 2830 ✓

OBSERVATION TECHNIQUE **Static** ☒

Session #: 3 ✓ **Station Name:** ~~PM97~~ MONI PM 9.7 ✓ **PID:** FV207~~X~~ 5 Edit (CAPS)

4 Character ID: PM97 ✓ **File Name(s):** PM971813 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1:00 PM ✓ **Start Time (UTC)** 2000 ✓ **End Time (Local)** 1:45 PM **End Time (UTC)** 2045

Actual
Start Time (Local) 12:55 PM ✓ **Start Time (UTC)** 1955 ✓ **End Time (Local)** 13:46 **End Time (UTC)** 20:46

ANTENNA INFORMATION

Fixed Height Tripod ☒ **Collapsible Leg Tripod** ☐ **Other** ☐ **Describe** _____
Tripod # : 5 **Tripod Manufacturer:** SECO **Tripod Color:** YELLOW
Adjustment - Verified ☐ **Adjusted** ☐ **(Initials):** _____

ANTENNA HEIGHT	**Before Session Begins**		**After Session ends**	
	Meters	**Feet**	**Meters**	**Feet**
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.905		
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0		
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.905		

Antenna plumb before session? (Y/N) **Antenna plumb after session?** (Y/N) **Antenna cable length** 10 M
Vehicle is parked 15 **meters** N'LY **(direction) from antenna and (Above/Below)**
Pencil rubbing ☒ **or sketch** ☐ **attached** (Y/N) **If no explain** _____

PHOTOGRAPH LOG

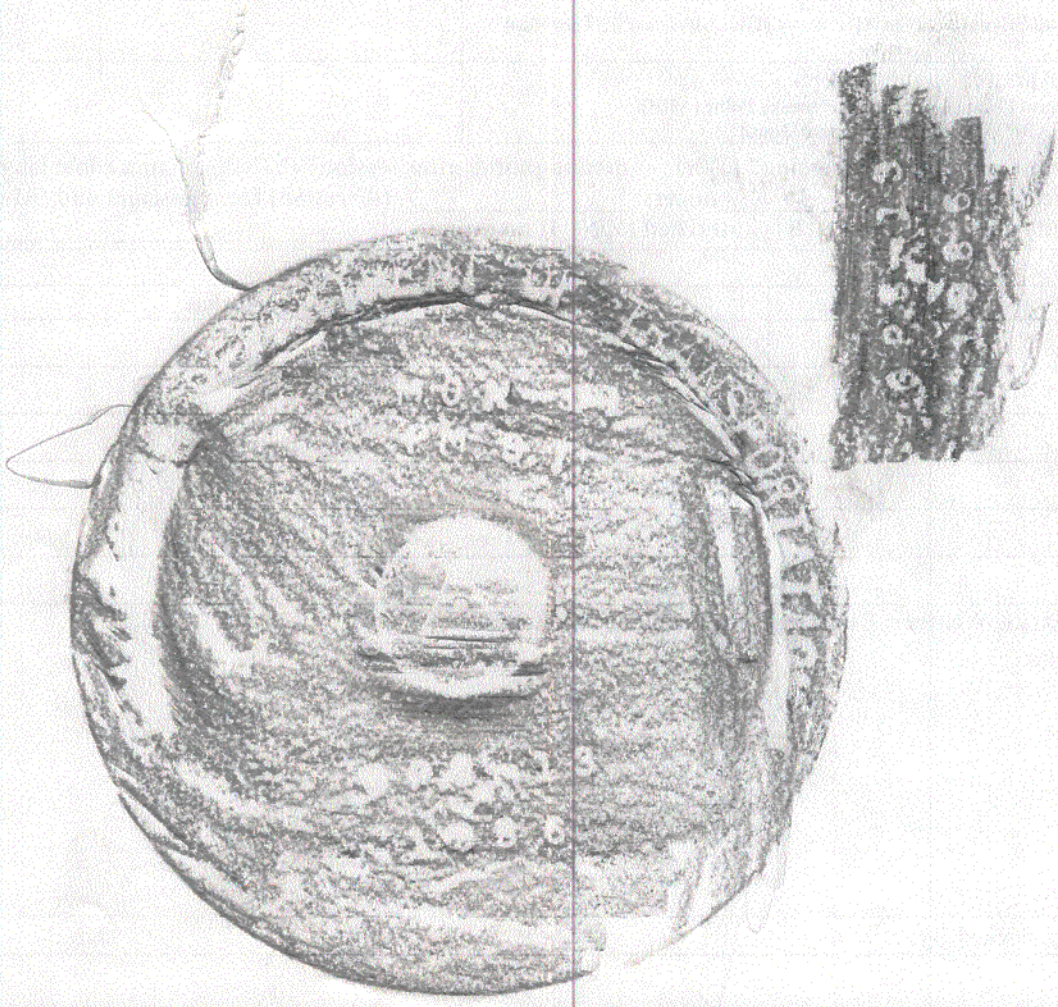
Frame # or File name	**Description**

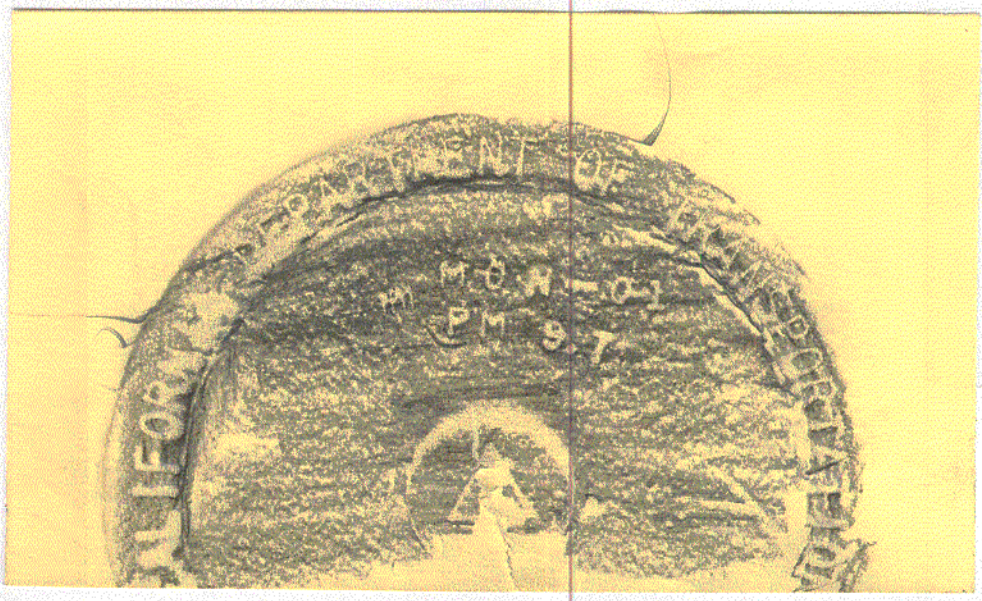
Remarks, Weather, Comments on Problems, Sketches, etc.

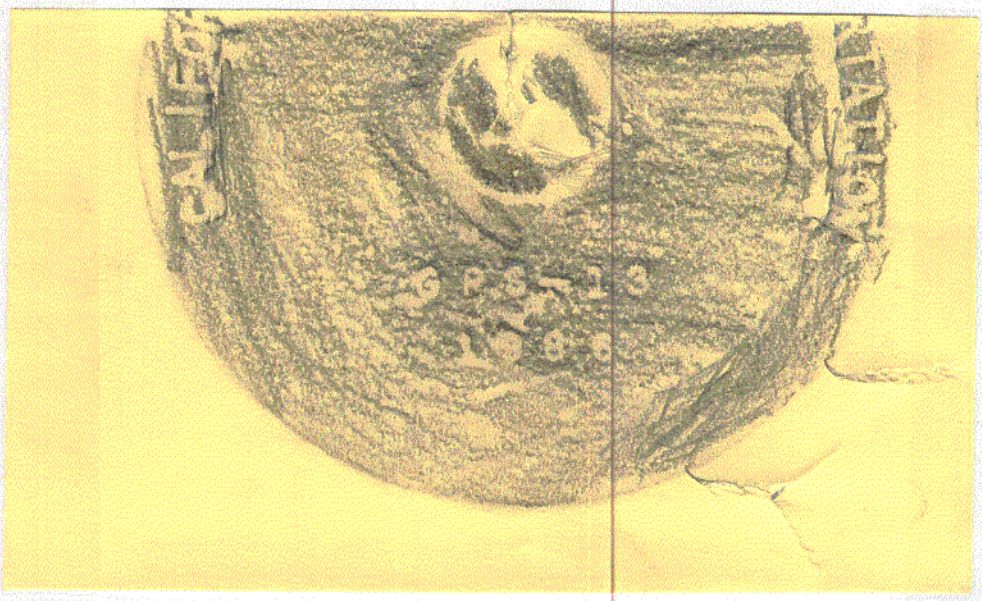
Log Checked By: R.B.M. **Date:** 8-09-2004

6-29-2004 PM97 181 Session 03

(MON 1 PM 9.7)







6-29-2004 PM97 181 Session 03

(MON 1 PM 9.7)

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: JUNE 29 2004	Day of Year: 181	EA: 908160
Operator: RICHARD QUINLEY		Agency: CalTrans – District 05
Receiver #: 5 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220310075
Controller # : 5 P/N: 45185-10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028887
Antenna #: 5 P/N: 41249-00	Manufacturer: Trimble DC: 4315	Model: Zephyr Geodetic S/N: 12422830

OBSERVATION TECHNIQUE Static ☒

Session #: 4 Station Name: B707 PID: FV0967 (CRPS)

4 Character ID: B707 File Name(s): B7071814

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 3:00 Start Time (UTC) 2200 End Time (Local) 345 End Time (UTC) 2245

Actual
Start Time (Local) 2:55 Start Time (UTC) 2155 End Time (Local) 351 End Time (UTC) 2251

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 5 Tripod Manufacturer: SECO Tripod Color: YELLOW

Adjustment - Verified ☐ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.905		
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0		
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.905		

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M

Vehicle is parked 20 meters NE'LY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

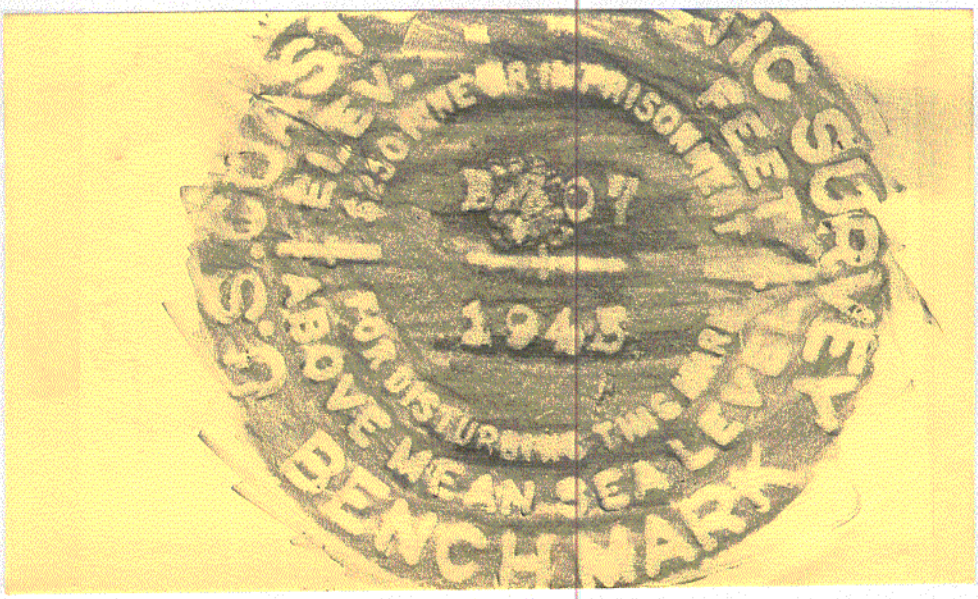
Remarks, Weather, Comments on Problems, Sketches, etc.

POOR PDOP @ 3:35 APPROX

Log Checked By: R.B.M. Date: 8-09-2004

B707

STATION IS 2.25 MI E'LY FROM INTERSECTION MAIN & SANTA ROSA CREEK ROAD, 330' W'LY FROM ENTRANCE TO #4330 FARM ON N'LY SIDE OF ROAD 250' E'LY FROM LARGE TIN BARN THAT IS 25' S'LY FROM EP



6-29-2004 B707 181 Session 04

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: BOB ZOGATA ✓		Agency: CalTrans – District 05
Receiver #: ~~8~~ 8 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220308761 ✓
Controller # : 6 ✓ P/N: 45185-10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028923 ✓
Antenna #: 6 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4315 ✓	Model: Zephyr Geodetic S/N: 12422923 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: WINDSOR ✓ PID: none (new)

4 Character ID: WIND ✓ File Name(s): WIND1811 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 0900 ✓ Start Time (UTC) 1600 ✓ End Time (Local) 0945 ✓ End Time (UTC) 1645 ✓

Actual
Start Time (Local) 0840 ✓ Start Time (UTC) 1540 End Time (Local) ~~1645~~ 09:45 End Time (UTC) 1645

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 6 Tripod Manufacturer: SECO Tripod Color: YELLOW

Adjustment - Verified ☒ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.9	1.800	5.9
B = Additional offset to ARP if any (Quick Release/ HH constant)	⊖	⊖	⊖	⊖
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.9	1.800	5.9

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 m

Vehicle is parked 60 m meters NELY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

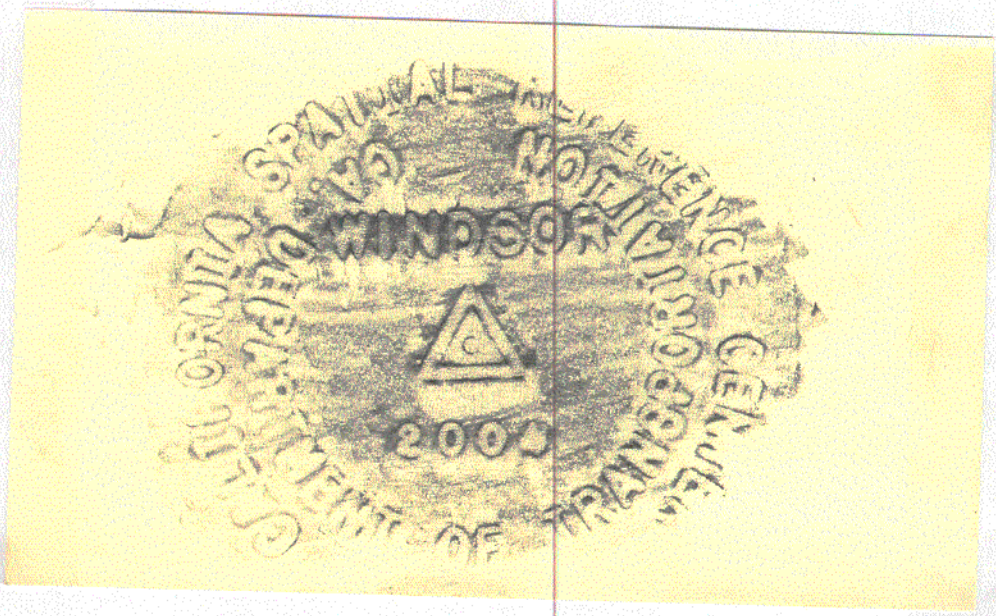
Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

NO WIND

CLOUDY

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 WIND 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: BOB ZOGATA ✓		Agency: CalTrans – District 05
Receiver #: 8 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220308761 ✓
Controller # : 6 ✓ P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028923 ✓
Antenna #: 6 P/N: 41249-00	Manufacturer: Trimble DC: 4315 ✓	Model: Zephyr Geodetic S/N: 12422923 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓ Station Name: RETAIN ✓ PID: none (new)

4 Character ID: RETA ✓ File Name(s): ~~1812~~ RETA1812

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1100 ✓ Start Time (UTC) 1800 ✓ End Time (Local) 1145 ✓ End Time (UTC) 1845 ✓

Actual
Start Time (Local) 1040 ✓ Start Time (UTC) 1740 ✓ End Time (Local) 1145 ✓ End Time (UTC) 1845 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : 6 Tripod Manufacturer: Seco Tripod Color: Yellow

Adjustment - Verified ☒ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.9	1.800	5.9
B = Additional offset to ARP if any (Quick Release/ HH constant)	⊖	⊖	⊖	⊖
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.9	1.800	5.9

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 m

Vehicle is parked 20 meters ELY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

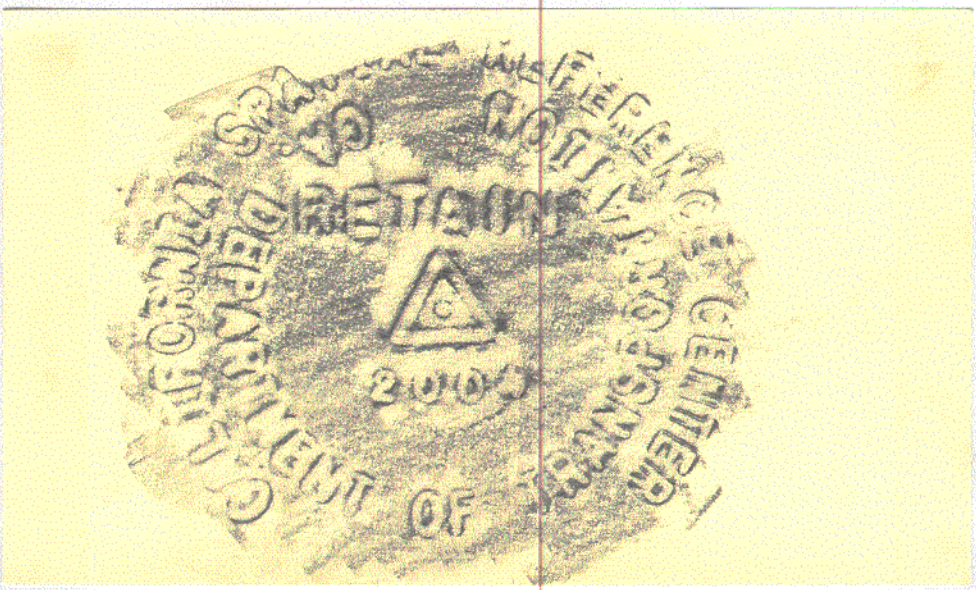
PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

SOME WIND
&
CLOUDY

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 RETA 181 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: BOB ZOGATIA ✓		Agency: CalTrans – District 05
Receiver #: 8 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220308761 ✓
Controller # : 6 ✓ P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028923 ✓
Antenna #: 6 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4315 ✓	Model: Zephyr Geodetic S/N: 12422923 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 ✓ Station Name: Y 1315 ✓ PID: FV1136 ✓ CAPS

4 Character ID: Y131 File Name(s): ~~Y1313~~ Y1311813

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 100 ✓ Start Time (UTC) 2000 ✓ End Time (Local) 145 End Time (UTC) 2045

Actual
Start Time (Local) 111 ✓ Start Time (UTC) 2011 ✓ End Time (Local) 145 ✓ End Time (UTC) 2045 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____

Tripod # : Tripod Manufacturer: Seco Tripod Color: Yellow

Adjustment - Verified ☒ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.9	1.800	5.9
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.9	1.800	5.9

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10.2 m

Vehicle is parked 15.2 meters WLY (direction) from antenna and (Above/Below)

Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

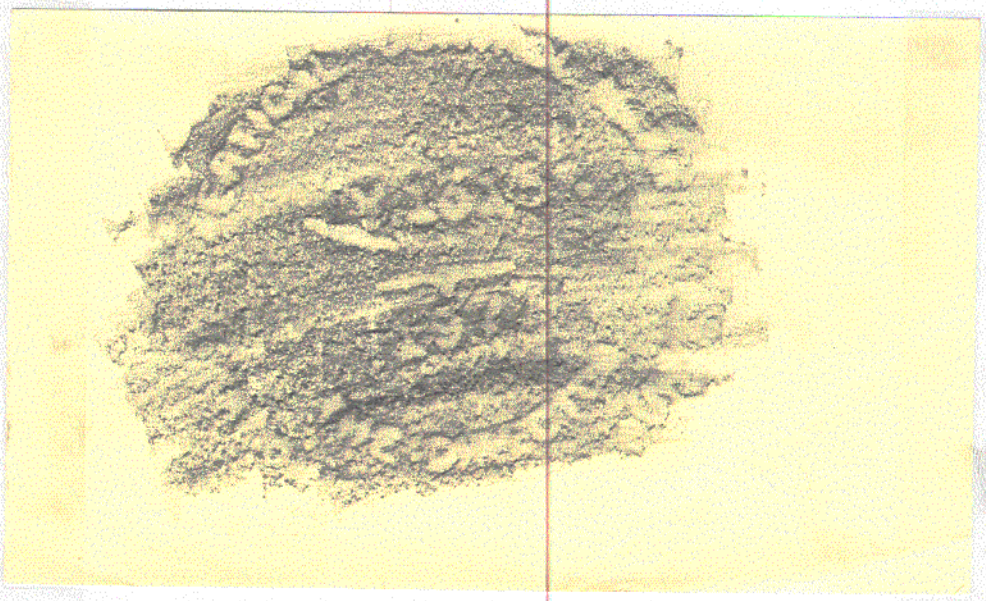
PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

WARM, CLEAR

Log Checked By: R.B.M. Date: 8-09-2009



6-29-2004 Y131 (Y 1315) 181 Session 03

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: BOB ZOLATA ✓		Agency: CalTrans – District 05
Receiver #: 8 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220308761 ✓
Controller # : 6 ✓ P/N: 45185- 10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 00028923 ✓
Antenna #: 6 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4315 ✓	Model: Zephyr Geodetic S/N: 12422923 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: Y1315 ✓ PID: FV 1136 ✓ CAPS

4 Character ID: Y131 ✓ File Name(s): ~~Y1311814~~ Y1311814

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 300 ✓ Start Time (UTC) 2200 ✓ End Time (Local) 415 ✓ End Time (UTC) 2315 ✓

Actual
Start Time (Local) 221 ✓ Start Time (UTC) 2121 ✓ End Time (Local) ~~2315~~ 415 ✓ End Time (UTC) 2315 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe _____
Tripod # : 6 Tripod Manufacturer: SECO Tripod Color: Yellow
Adjustment - Verified ☒ Adjusted ☐ (Initials): _____

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.9	1.800	5.9
B = Additional offset to ARP if any (Quick Release/ HH constant)	⊖	⊖	⊖	⊖
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.9	1.800	5.9

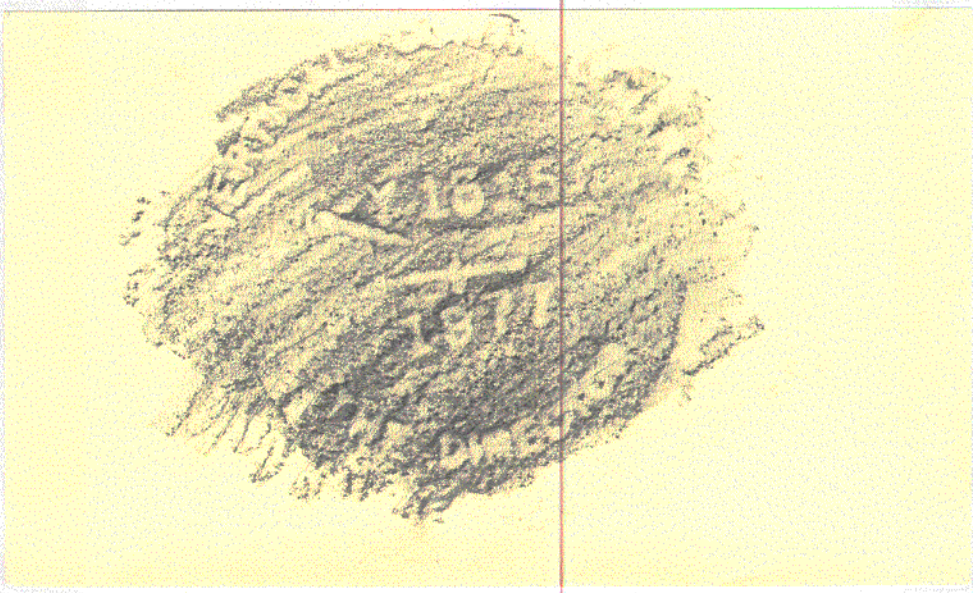
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt.
Vehicle is parked 15 meters WLY (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 Y131 (Y 1315) 181 Session 04

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: J. BLAES ✓		Agency: CalTrans – District 05
Receiver #: 7 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 S/N: 0220298188 ✓ Firmware Version: v 2.01
Controller # : 7 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe S/N: 00028951 ✓ Firmware Version: Survey Controller v 10.72
Antenna #: 7 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4313 ✓	Model: Zephyr Geodetic S/N: 12425996 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 1 ✓ Station Name: NEGRANT1 ✓ PID: NONE ✓

4 Character ID: NEGR ✓ Edit File Name(s): NEGR 1811 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 9:00 AM ✓ Start Time (UTC) 1600 ✓ End Time (Local) 9:45 AM ✓ End Time (UTC) 1645 ✓

Actual
Start Time (Local) 8:20 AM ✓ Start Time (UTC) 1520 ✓ End Time (Local) 9:45 AM ✓ End Time (UTC) 1645 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe SECO
Tripod # : 7 Tripod Manufacturer: Tripod Color: YELLOW
Adjustment - Verified ☒ Adjusted ☐ (Initials): JB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.91	1.800	5.91
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.91	1.800	5.91

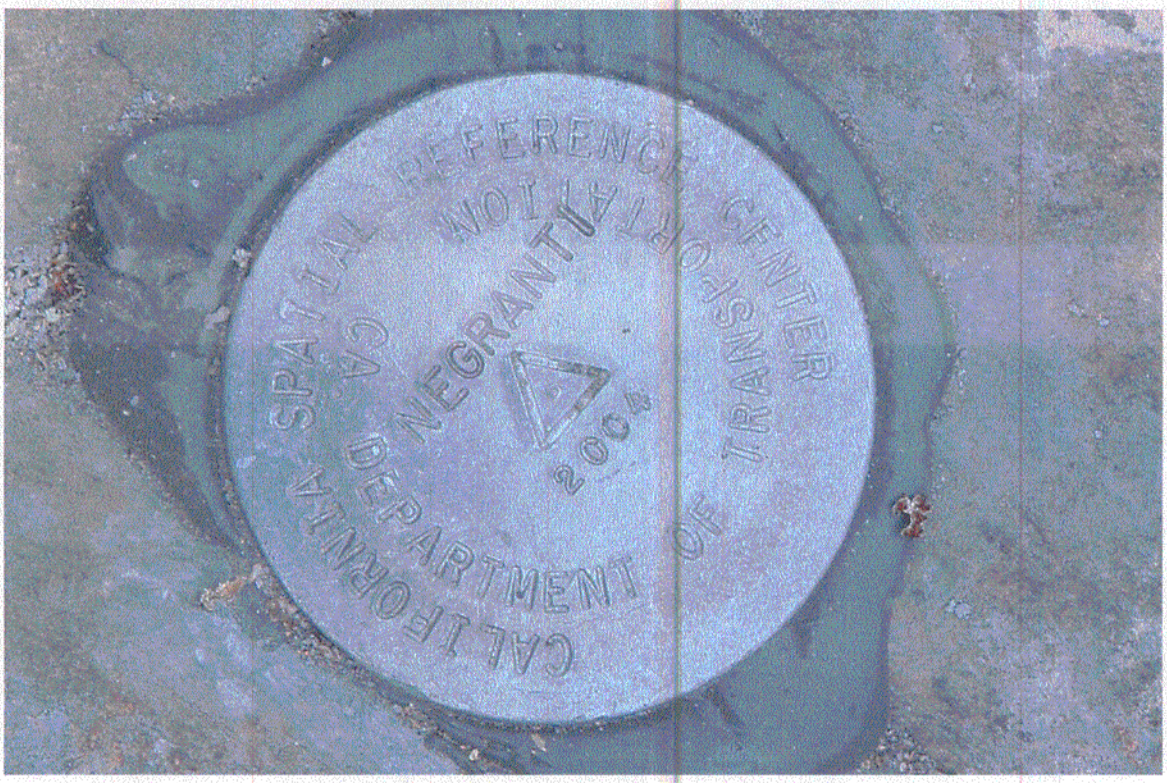
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 m
Vehicle is parked 45 meters S'LY (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain

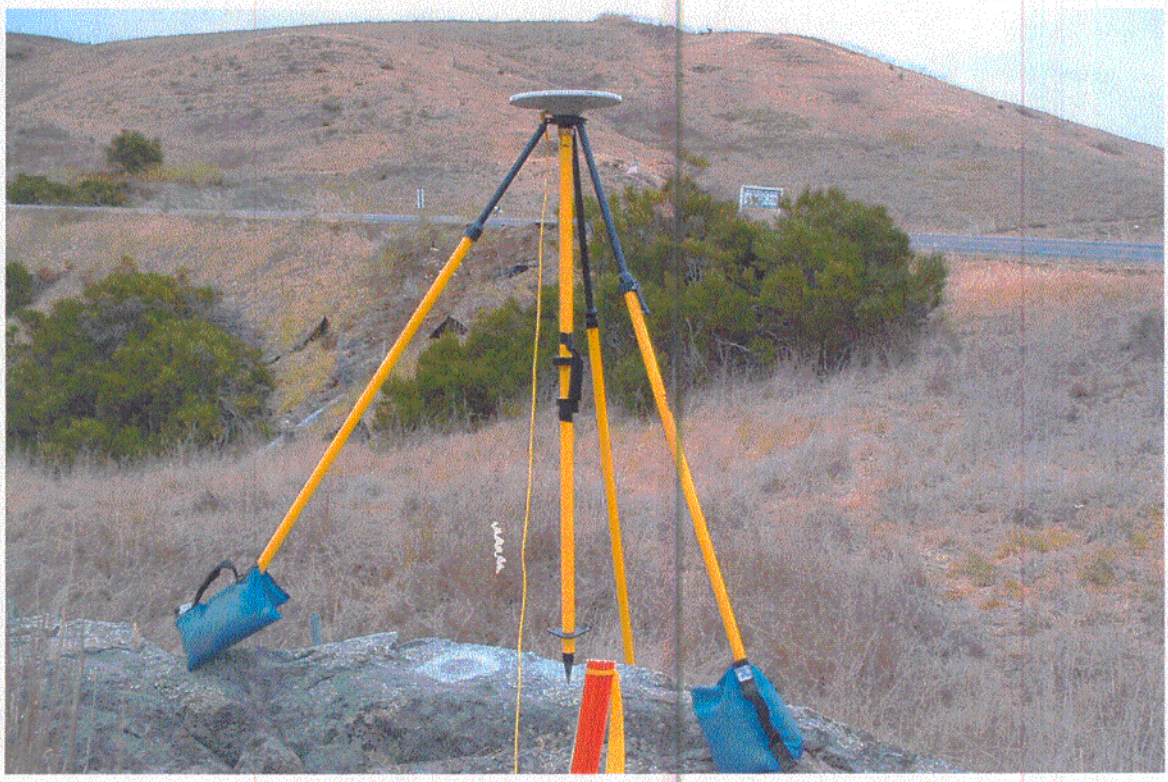
PHOTOGRAPH LOG

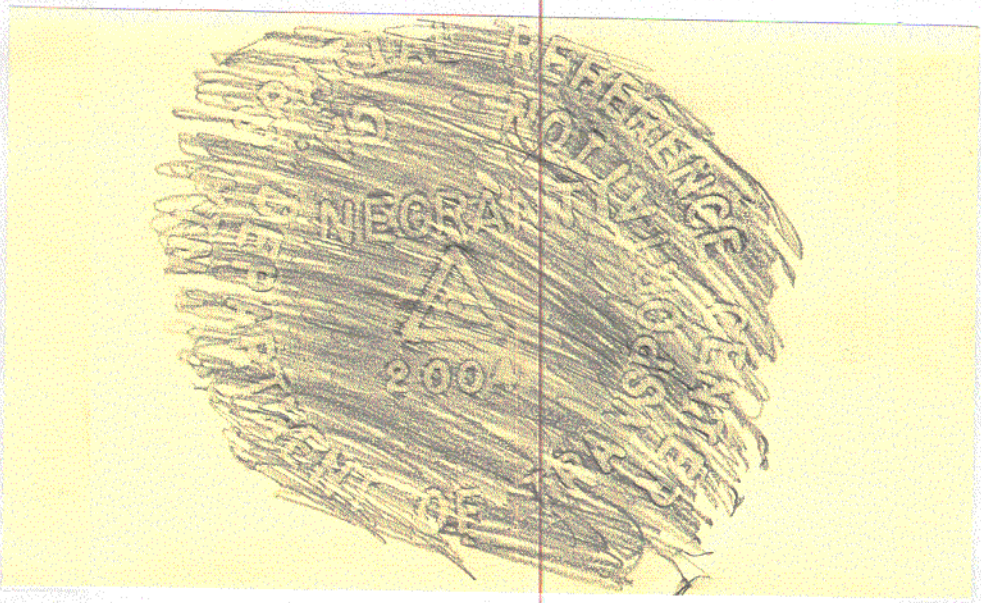
Frame # or File name	Description
100-0023	CT CAP MON
100-024	SET UP

Remarks, Weather, Comments on Problems, Sketches, etc. OVERCAST, CALM

Log Checked By: R.B.M. Date: 8-09-2004


CALIFORNIA DEPARTMENT OF TRANSPORTATION
SPATIAL REFERENCE CENTER
NEGRANTI
2004





6-29-2004 NEGR 181 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04	Day of Year: 181	EA: 908160
Operator: J. BLAES		Agency: CalTrans – District 05
Receiver #: 7 P/N: 40406-46	Manufacturer: Trimble	Model: 5700 S/N: 0220298188 Firmware Version: v 2.01
Controller # : 7 P/N: 45185-10	Manufacturer: Trimble	Model: TSCe S/N: 00028951 Firmware Version: Survey Controller v 10.72
Antenna #: 7 P/N: 41249-00	Manufacturer: Trimble DC: 4313	Model: Zephyr Geodetic S/N: 12425996

OBSERVATION TECHNIQUE Static ☒

Session #: 2 Station Name: NEGRANTI PID: NONE

4 Character ID: NEGR Edit File Name(s): NEGR 1812

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 11:00 AM Start Time (UTC) 1800 End Time (Local) 11:45 AM End Time (UTC) 1845

Actual
Start Time (Local) 10:47 AM Start Time (UTC) 1747 End Time (Local) 11:45 End Time (UTC) 1845

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe SECO
Tripod # : 7 Tripod Manufacturer: Tripod Color: YELLOW
Adjustment - Verified ☒ Adjusted ☐ (Initials): JB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.91	1.800	5.91
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.91	1.800	5.91

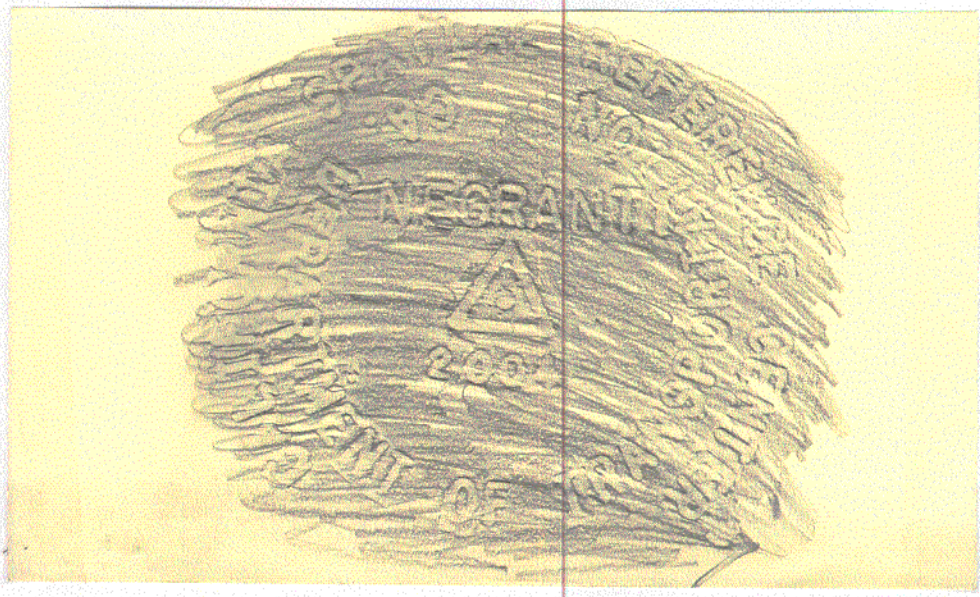
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10m
Vehicle is parked 45 meters S'LY (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain

PHOTOGRAPH LOG

Frame # or File name	Description
100-0023	CT CAP
100-0024	SETUP

Remarks, Weather, Comments on Problems, Sketches, etc. OVERCAST, LT. N'LY BREEZE

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004 NEGR 181 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: J. BLAES ✓		Agency: CalTrans – District 05
Receiver #: 7 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 S/N: 0220298188 ✓ Firmware Version: v 2.01
Controller # : 7 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe S/N: 00028951 ✓ Firmware Version: Survey Controller v 10.72
Antenna #: 7 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4313 ✓	Model: Zephyr Geodetic S/N: 12425996 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 ✓ Station Name: Q1315 ✓ PID: FV1141 ✓ Edit

4 Character ID: Q131 ✓ Edit File Name(s): ~~Q1315 181 3~~ Q1311813

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 1:00 PM ✓ Start Time (UTC) 2000 ✓ End Time (Local) 1:45PM End Time (UTC) 2045

Actual
Start Time (Local) 1:00 PM ✓ Start Time (UTC) 2000 ✓ End Time (Local) 1:47 PM ✓ End Time (UTC) 2047 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe SECO
Tripod # : 7 Tripod Manufacturer: Tripod Color: YELLOW
Adjustment - Verified ☒ Adjusted ☐ (Initials): JB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.91	1.800	5.91
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.91	1.800	5.91

Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10M
Vehicle is parked 100 meters NNE (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain

PHOTOGRAPH LOG

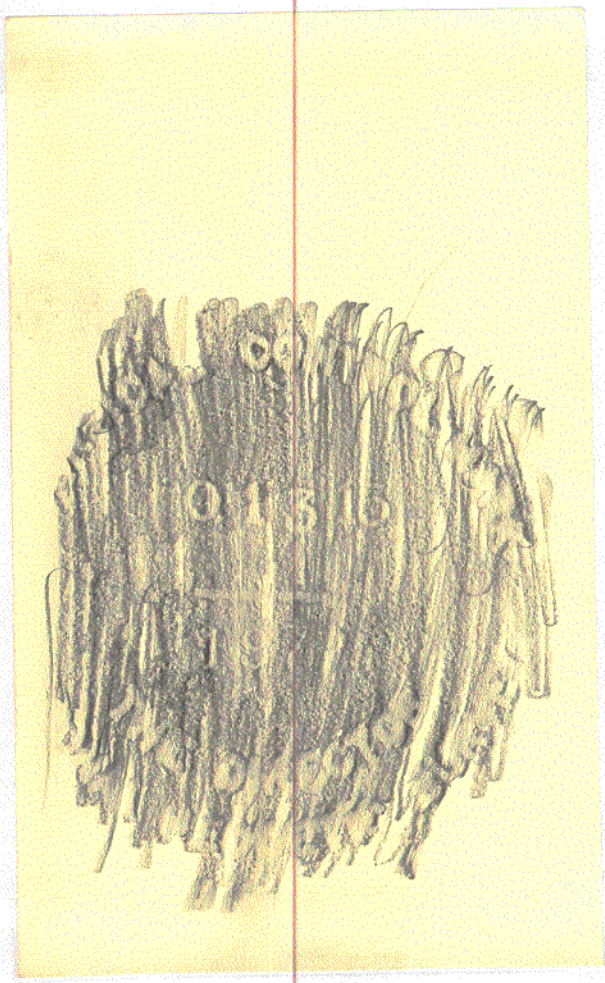
Frame # or File name	Description
100-0025	NGS BR CAP MON
100-0026	SET UP

Remarks, Weather, Comments on Problems, Sketches, etc. PTLY SUNNY, WARM, CALM

Log Checked By: R.B.M. Date: 8-09-2004


FOR INFORMATION OR TO REPORT DAMAGE WRITE
VERTICAL CONTROL MARK
Q1315
1977
THE DIRECTOR
NATIONAL GEODETIC SURVEY
WASHINGTON, D.C.


RIVATE
EP OUT



6-29-2004 Q131 (Q 1315) 181 Session 03

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 6-29-04 ✓	Day of Year: 181 ✓	EA: 908160
Operator: J. BLAES ✓		Agency: CalTrans – District 05
Receiver #: 7 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01 S/N: 0220298188 ✓
Controller # : 7 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72 S/N: 000 28951 ✓
Antenna #: 7 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4313 ✓	Model: Zephyr Geodetic S/N: 12425996 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 4 ✓ Station Name: Q 1315 ✓ PID: RV 1141 ✓ Edit

4 Character ID: Q131 ✓ Edit File Name(s): Q131 1814 ✓

File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension

Scheduled
Start Time (Local) 3:00 PM ✓ Start Time (UTC) 2200 ✓ End Time (Local) 3:45 PM End Time (UTC) 2245

Actual
Start Time (Local) 2:54 PM ✓ Start Time (UTC) 2154 ✓ End Time (Local) 4:15 PM ✓ End Time (UTC) 2315 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒ Collapsible Leg Tripod ☐ Other ☐ Describe SECO
Tripod # : 7 Tripod Manufacturer: Tripod Color: YELLOW
Adjustment - Verified ☒ Adjusted ☐ (Initials): JB

ANTENNA HEIGHT	Before Session Begins		After Session ends	
	Meters	Feet	Meters	Feet
A = Datum point to Top of Tripod or Height Hook reading	1.800	5.91	1.800	5.91
B = Additional offset to ARP if any (Quick Release/ HH constant)	0	0	0	0
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.800	5.91	1.800	5.91

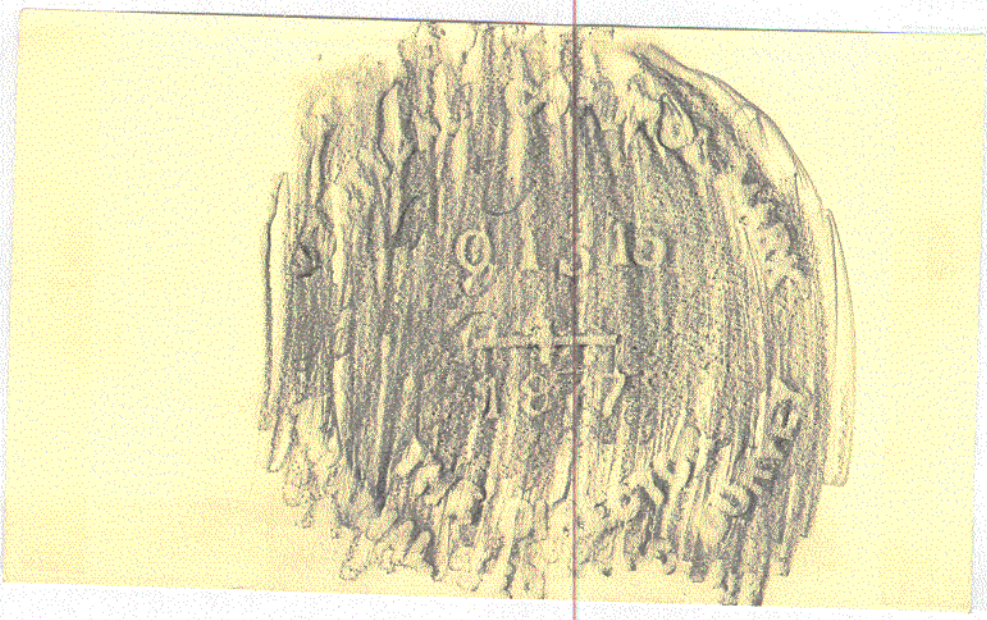
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 M
Vehicle is parked 100 meters NNE (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain

PHOTOGRAPH LOG

Frame # or File name	Description
100-0025	NGS BR CAP MON
100-0026	SET UP

Remarks, Weather, Comments on Problems, Sketches, etc. PTLY SUNNY, LIGHT SW BREEZE

Log Checked By: R.B.M. Date: 8-09-2004



6-29-2004

Q 131
(Q 1315)

181 Session 04