

J.D. 189

Session 01 08:57 - 10:01

Session 02 10:14 - 11:46

Session 03 12:57 - 14:46

Session 04 16:00 - 17:00 *

* USGS Occupying OSLG



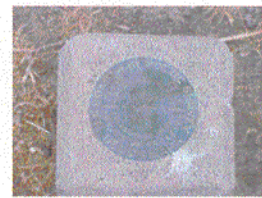
DSC00091.JPG



DSC00092.JPG



DSC00093.JPG



DSC00094.JPG



DSC00095.JPG



DSC00097.JPG



DSC00098.JPG



DSC00099.JPG



DSC00100.JPG



DSC00101.JPG

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓		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 #: 1 ✓	Station Name: B 707 ✓	PID: FV 0967 ✓
4 Character ID: B707 ✓ File Name(s): B7071891.DAT ✓ File Name Format = aaaaddss.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled		
Start Time (Local) 8:00 AM ✓	Start Time (UTC) 1600 ✓	End Time (Local) 9:45 AM ✓ End Time (UTC) 1645 ✓
Actual		
Start Time (Local) 8:57 AM ✓	Start Time (UTC) 1557 ✓	End Time (Local) 10:00 AM ✓ End Time (UTC) 1700 ✓

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 15 meters SWLY (direction) from antenna and (Above/Below)
 Pencil rubbing ☒ or sketch ☐ attached (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description
100-0091	8:53 AM CLOSE-UP
92	9:08 AM WIDE ANGLE VIEW OF SETUP
93	9:08 AM SETUP ON POINT

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

Log Checked By: R.B.M.	Date: 8-10-2004
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SEE
BACK
OF LOG
SHEET

57-53-5005



1005-01-8

1049

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓	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 Model: Zephyr Geodetic DC: 4126 ✓	S/N: 12200511 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 2 ✓	Station Name: B707 ✓	PID: FV0967 ✓
4 Character ID: B707 ✓		File Name(s): B7071892.DAT ✓
File Name Format = aaaadds.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) 10:14 AM ✓	Start Time (UTC) 1714 ✓	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): REB	

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

PHOTOGRAPH LOG

Frame # or File name	Description
100 - 0094	10:07 AM CLOSE-UP
95	10:12 AM SETUP ON POINT (WIDE ANGLE)

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

Log Checked By: R.B.M.	Date: 8-10-2004
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SEE
BACK OF
LOG SHEET



GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓	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 Model: Zephyr Geodetic DC: 4126 ✓	S/N: 12200511 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 3 ✓	Station Name: H1316 ✓	PID: FV1151 ✓ CAPS
4 Character ID: H316 ✓ File Name(s): H3161893.DAT ✓ File Name Format = aaaaddd.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension 2145 ✓		
Scheduled	Start Time (Local) 1:00 PM ✓	Start Time (UTC) 2000 ✓ End Time (Local) 2:30 2:45 ✓ End Time (UTC) 2:30 2:45 ✓
Actual	Start Time (Local) 12:57 PM ✓	Start Time (UTC) 1957 ✓ End Time (Local) 14:45 ✓ End Time (UTC) 21:45

ANTENNA INFORMATION

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

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

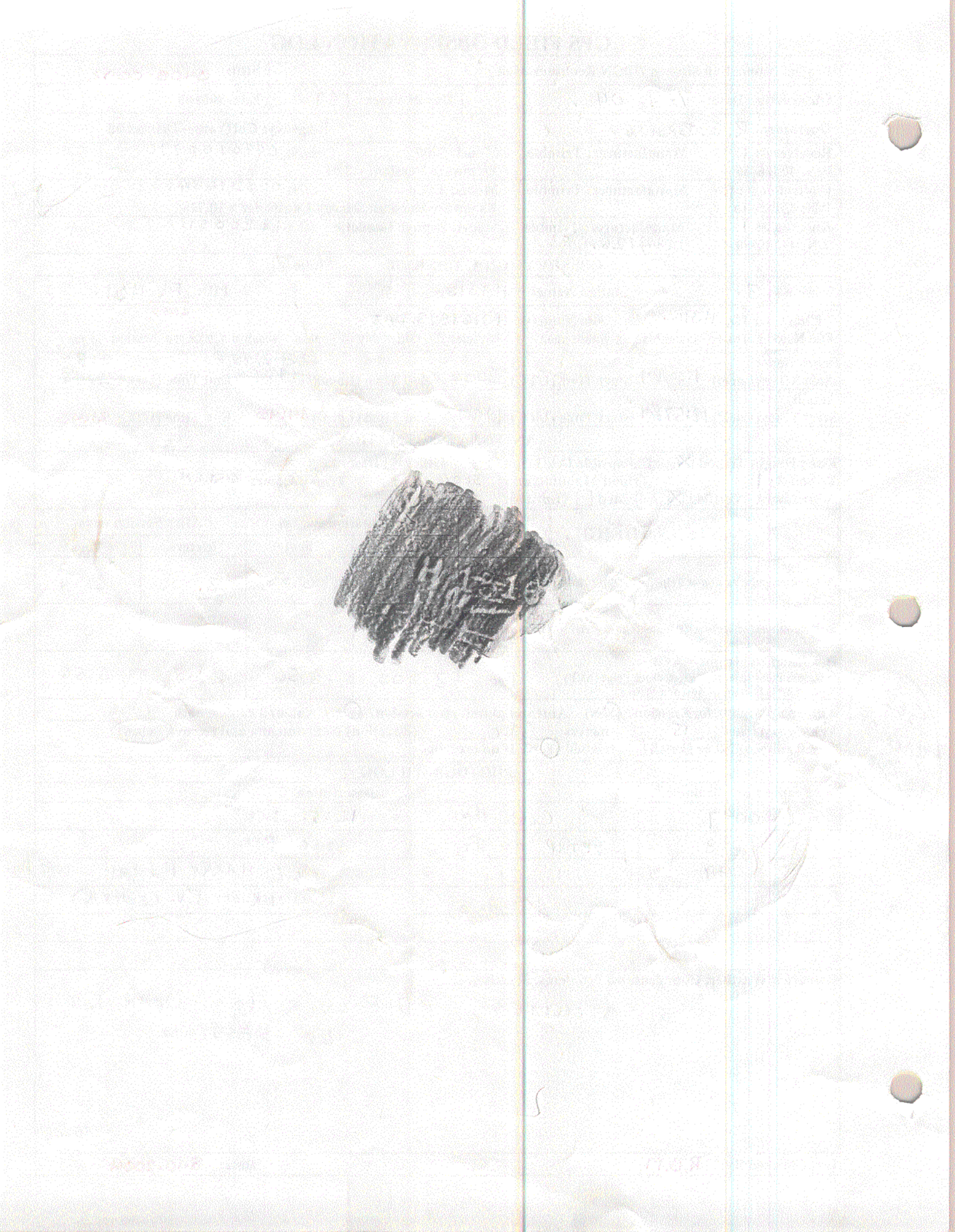
PHOTOGRAPH LOG

Frame # or File name	Description
100-0097	CLOSE-UP 12:51 PM
98	SETUP ON PT. 1:06 PM
99	W/ HARRY HARRIS 1:07 PM (OWNER OF P.V. CENTER)

Remarks, Weather, Comments on Problems, Sketches, etc.
 5 SATELLITES, PDOP OVER 10 NEAR END OF SESSION

Log Checked By: R.B.M. Date: 8-10-2004

SEE
BACK OF
LOG SHEET



GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092	
Observation Date: 7-7-04 ✓		Day of Year: 189 ✓		EA: 908160
Operator: R. E. Brown ✓			Agency: CalTrans - District 05	
Receiver #: 1 ✓	Manufacturer: Trimble	Model: 5700	S/N: 0440100990 ✓	
P/N: 40406-46		Firmware Version: v 2.01		
Controller #: 11 ✓	Manufacturer: Trimble	Model: TSCe	S/N: 00031634 ✓	
P/N: 45185-10 ✓		Firmware Version: Survey Controller v 10.72		
Antenna #: 1 ✓	Manufacturer: Trimble	Model: Zephyr Geodetic	S/N: 12200511 ✓	
P/N: 41249-00	DC: 4126 ✓			

OBSERVATION TECHNIQUE

Static ☒

Session #: 4 ✓		Station Name: B707 ✓		PID: FV0967 ✓	
4 Character ID: B707 ✓		File Name(s): B7071894.DAT ✓		CAPS	
File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension					
Scheduled 16:00		23:00		5:00 PM 24:00	
Start Time (Local) 3:00 PM		Start Time (UTC) 22:00		End Time (Local) 3:45 PM End Time (UTC) 22:45	
Actual					
Start Time (Local) 4:00 PM ✓		Start Time (UTC) 23:00 ✓		End Time (Local) 5:00 PM ✓ End Time (UTC) 24:00 ✓	

ANTENNA INFORMATION

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

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	5 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 - 0100	3:54 PM CLOSE-UP
101	4:03 PM SETUP ON STATION

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

Log Checked By: R.B.M.

Date: 8-10-2004

SEE BACK OF LOG SHEET

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓	EA: 908160
Operator: J. BLAES ✓		Agency: CalTrans - District 05
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble Model: Zephyr Geodetic DC: 4126 ✓	S/N: 11804506 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 1 ✓	Station Name: GWM 33 RESET ✓	PID: FV 1057 ✓
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4 Character ID: GWM3 ✓ Edit File Name(s): GWM3 1891 ✓

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) ~~15:45~~ ^{10:00} ✓ End Time (UTC) ~~1645~~ ^{17:00} ✓

Actual

Start Time (Local) 9:09 AM ✓ Start Time (UTC) 1609 ✓ End Time (Local) 10:00 AM ✓ End Time (UTC) 1700 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe SECO
Tripod #: 7	Tripod Manufacturer:	Tripod Color: YELLOW
Adjustment - Verified ☒	Adjusted ☐ (Initials): 1B	

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 15 meters SLY (direction) from antenna and (Above/Below)

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

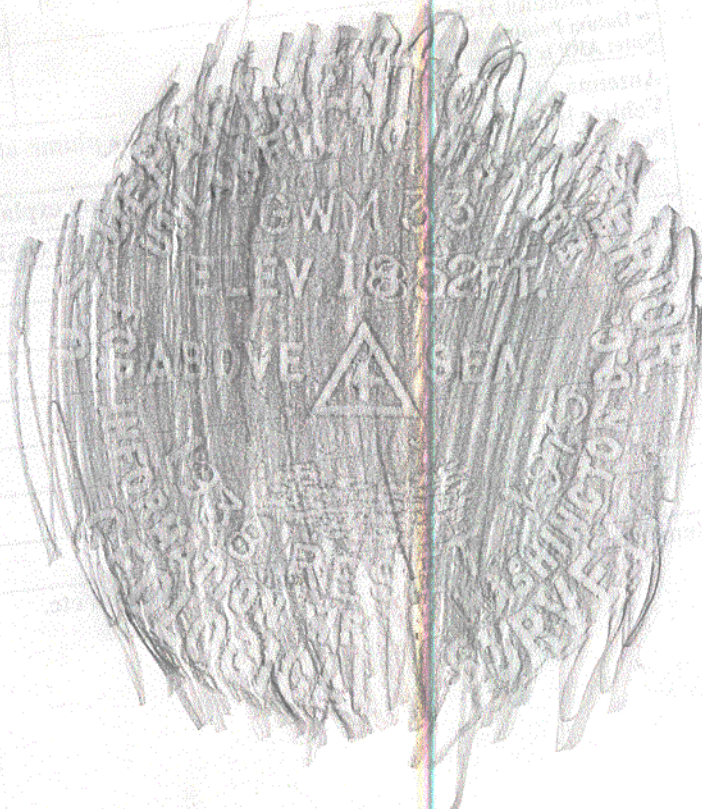
PHOTOGRAPH LOG

Frame # or File name	Description

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

Log Checked By: R.B.M.

Date: 8-10-2004



7-07-2004

GWM3

189 Session 01

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓		EA: 908160
Operator: J. BLAES ✓		Agency: CalTrans - District 05	
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100 986 ✓
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 11884506 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 2 ✓	Station Name: GWM 33 RESET ✓	PID: FV 1057 ✓
4 Character ID: GWM 3 ✓ edit File Name(s): GWM 3 189 2 ✓ File Name Format = aaaadddd.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 ✓ End Time (UTC) 1845 ✓		
Actual Start Time (Local) 10:22 AM ✓ Start Time (UTC) 1722 ✓ End Time (Local) 11:45 ✓ End Time (UTC) 1845 ✓		

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe <u>SECO</u>
Tripod #: 7	Tripod Manufacturer:	Tripod Color: yellow
Adjustment - Verified ☒	Adjusted ☐ (Initials): <u>JB</u>	

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

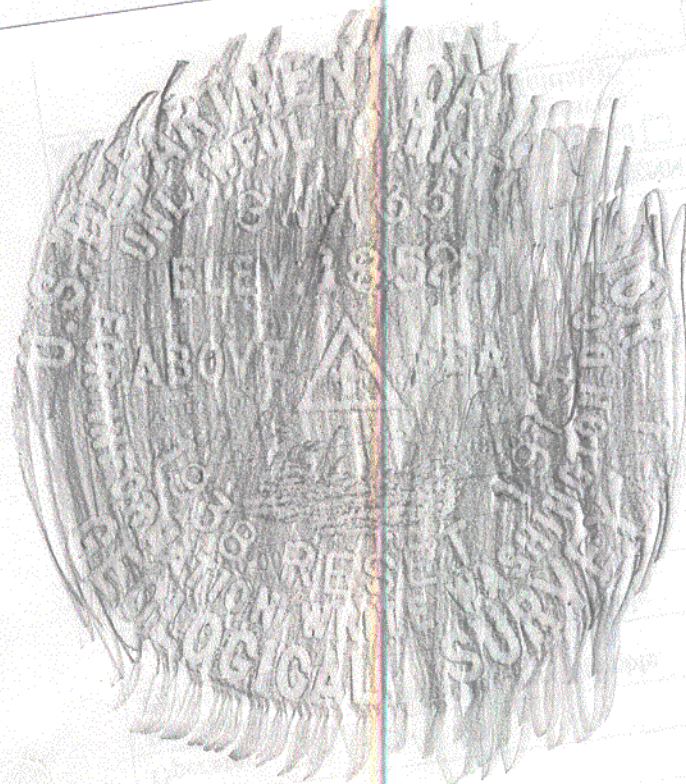
Antenna plumb before session? (Y/N) (Y) Antenna plumb after session? (Y/N) (Y) Antenna cable length 10m
 Vehicle is parked 15 meters S'ly (direction) from antenna and (Above/Below) Below
 Pencil rubbing ☒ or sketch ☐ attached ☒ (Y/N) If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc. NOTE: YELLOW JACKET NEST IN GROUND NEXT TO POINT.

Log Checked By: R.B.M.	Date: 8-10-2004
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7-07-2004

GWM3

189 Session 02

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-7-04 ✓	Day of Year: 189 ✓		EA: 908160
Operator: J. BLAES / R.B. MacKenzie III ✓		Agency: CalTrans - District 05	
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCE Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 11884506 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 ✓	Station Name: J695 RESET ✓	PID: GU 2755 ✓
4 Character ID: J695 ✓ File Name(s): J695 189 3 ✓		
File Name Format = aaaadddd.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled (Extended to 14:45/21:45)		
Start Time (Local) 1:00 PM ✓	Start Time (UTC) 2000 ✓	End Time (Local) 14:45 PM ✓ End Time (UTC) 2045 ✓
Actual		
Start Time (Local) 13:44 ✓	Start Time (UTC) 20:44 ✓	End Time (Local) 14:45 ✓ End Time (UTC) 2145 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe <u>SECO</u>
Tripod #: 7	Tripod Manufacturer:	Tripod Color: yellow
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	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) Antenna plumb after session? ☒ (Y) Antenna cable length 10m

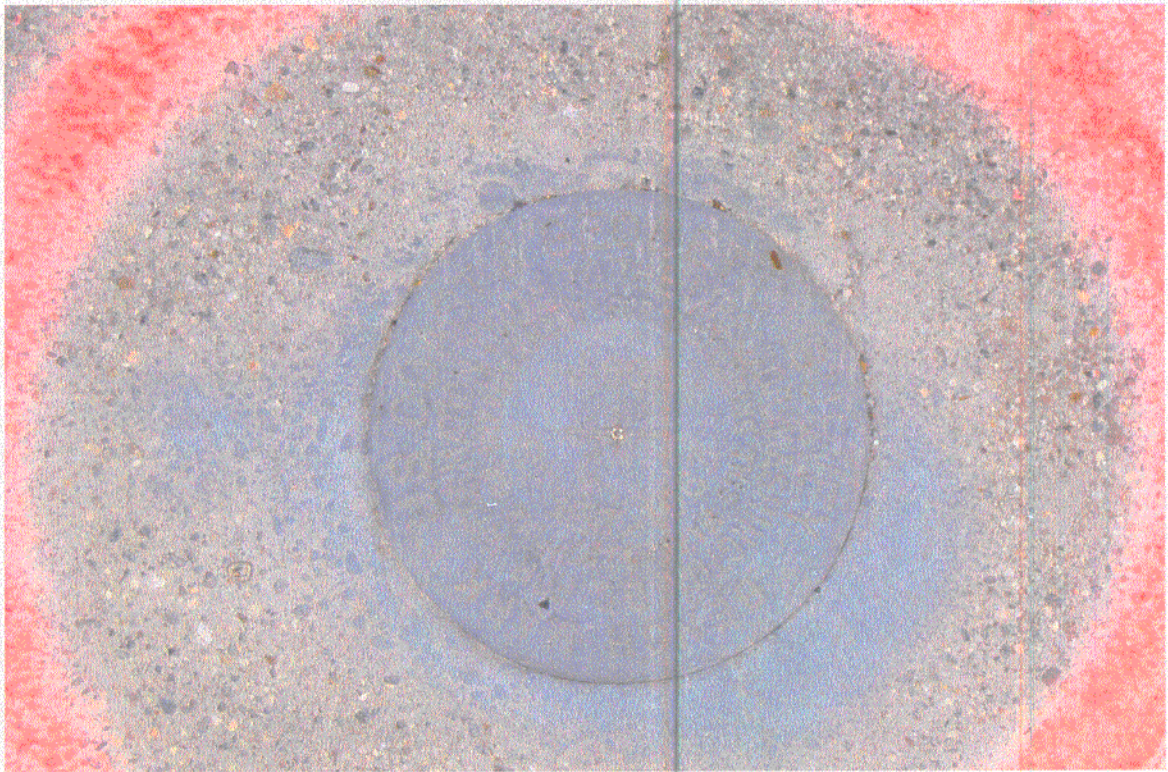
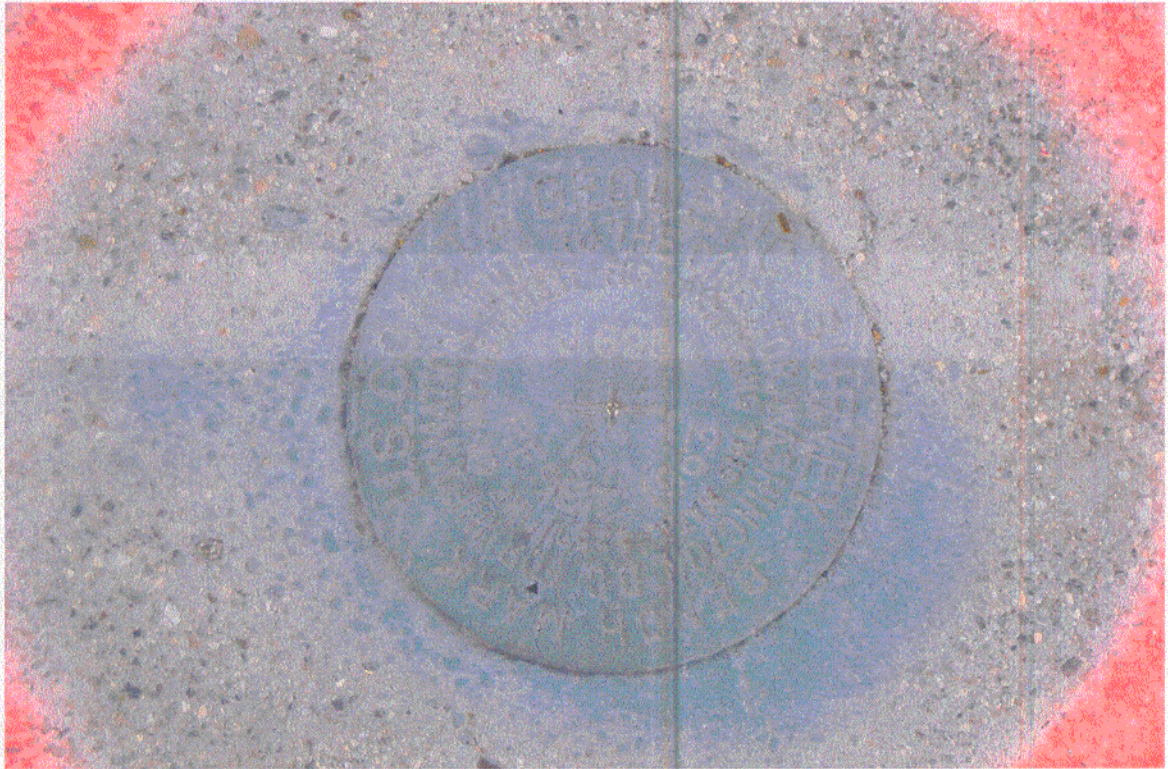
Vehicle is parked 50± meters SE'ly (direction) from antenna and (Above/Below) Below

Pencil rubbing ☐ or sketch ☐ attached ☒ (Y) If no explain Photos Taken

PHOTOGRAPH LOG

Frame # or File name	Description
8 & 9 Close	Close-up of monument

Remarks, Weather, Comments on Problems, Sketches, etc. Cloudy, mild, calm	Periods of High PDOP during observation.
Log Checked By: R.B.M.	Date: 8-10-2004

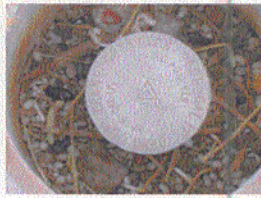




05091893A.JPG



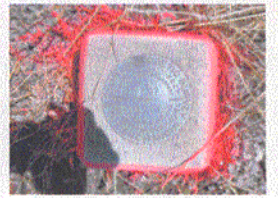
05091893B.JPG



05091893C.JPG



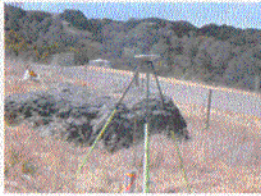
K7071892A.JPG



K7071892B.JPG



K7071892C.JPG



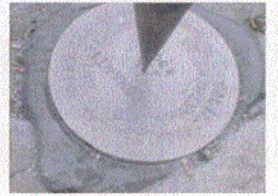
K7071892D.JPG



K7071892E.JPG



K7071892F.JPG



NEGR1891A.JPG



NEGR1891B.JPG



NEGR1891C.JPG



WIND1894A.JPG



WIND1894B.JPG

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7 JULY 2004 ✓	Day of Year: 189 ✓	EA: 908160
Operator: STACEY MEACHAM ✓		Agency: CalTrans - District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 79773 (CALTRANS) ✓ 0440100467 (TRIMBLE)
Controller #: 13C05 ✓ P/N: 45185-10 ✓	Manufacturer: Trimble Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: CT90313 00031555 ✓
Antenna #: 3 ✓ P/N: 41249-00	Manufacturer: Trimble Model: Zephyr Geodetic DC: 4124 ✓	S/N: CT# 80437 ✓ 12234994 (TRIMBLE)

OBSERVATION TECHNIQUE

Static ☒

Session #: 1 ✓	Station Name: NEGRANT1 ✓	PID: (NONE)
4 Character ID: NEGR ✓ File Name(s): NEGR1891 ✓		
File Name Format = aaaadds.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) 10:00 AM ✓ 9:45 AM End Time (UTC) 17:00 ✓ 16:45
Actual		
Start Time (Local) 9:04 AM ✓	Start Time (UTC) 1604 ✓	End Time (Local) 10:00 AM ✓ End Time (UTC) 17:00 ✓

ANTENNA INFORMATION

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

Tripod #: 3 Tripod Manufacturer: SECO Tripod Color: Yellow/Green

Adjustment - Verified ☐ Adjusted ☒ (Initials): S.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 FIXED			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.000			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

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

Vehicle is parked 50 meters SOUTH (direction) from antenna and (Above/Below) BELOW

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

PHOTOGRAPH LOG

Frame # or File name	Description
NEGR189 1A	MONUMENT
NEGR189 1B	CLOSE-UP OF SET-UP
NEGR189 1C	VIEW FROM HWY 46

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

Cool, CLEAR, CLOUDY

Log Checked By: R.B.M.

Date: 8-10-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7 JULY 2004 ✓	Day of Year: 189 ✓	EA: 908160
Operator: STACEY MEACHAM ✓		Agency: CalTrans - District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 1305 ✓ 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 Model: Zephyr Geodetic DC: 4124 ✓	S/N: 12234994 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 2 ✓	Station Name: K707 ✓	PID: FV1032 ✓
4 Character ID: K707 ✓ File Name(s): K7071892 ✓		
File Name Format = aaaadds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled		
Start Time (Local) 11:00 AM ✓	Start Time (UTC) 18:00 ✓	End Time (Local) 11:45 AM ✓
		End Time (UTC) 18:45 ✓
Actual		
Start Time (Local) 10:49 AM ✓	Start Time (UTC) 17:49 ✓	End Time (Local) 11:45 ✓
		End Time (UTC) 18:45 ✓

ANTENNA INFORMATION

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

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			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.00			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

Antenna plumb before session? (Y/N) Y	Antenna plumb after session? (Y/N) Y	Antenna cable length 10m
Vehicle is parked 80 meters	NW (direction) from antenna and (Above/Below) Below	
Pencil rubbing ☐ or sketch ☐ attached (Y/N) Y	If no explain DIGITAL PHOTOS	

PHOTOGRAPH LOG

Frame # or File name	Description
K7071892A	MONUMENT
K7071892B	MONUMENT
K7071892C	SETUP FROM SOUTH
K7071892D	SETUP FROM NORTH (BOULDER & WATER TANK IN BACKGROUND)
K7071892E	SETUP FROM EAST (LOAD RAIL IN BACKGROUND)
K7071892F	SETUP FROM WEST (DAK IN BACKGROUND)

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

Partly CLOUDY; WARM, CLEAR
WIND From WEST LESS THAN 10 mph

Log Checked By: R.B.M.

Date: 8-10-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7 July 2004 ✓	Day of Year: 189 ✓	EA: 908160
Operator: S. Mezacham ✓		Agency: CalTrans - District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 13C05 ✓ 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 Model: Zephyr Geodetic DC: 4124 ✓	S/N: 12234994 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 3 ✓	Station Name: 0509 ✓	PID: FV2052 ✓
4 Character ID: 0509 ✓ File Name(s): 05091893 ✓		
File Name Format = aaaaddd.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled		
Start Time (Local) 1:00 PM ✓	Start Time (UTC) 20:00 ✓	End Time (Local) 2:45 PM ✓ End Time (UTC) 2845 ✓
Actual		
Start Time (Local) 1:45 PM ✓	Start Time (UTC) 2845 ✓	End Time (Local) 2:45 PM ✓ End Time (UTC) 2845 ✓

ANTENNA INFORMATION

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

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			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.00			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

Antenna plumb before session? (Y/N) (Y)	Antenna plumb after session? (Y/N) (Y)	Antenna cable length 10 m
Vehicle is parked 25 meters SW (direction) from antenna and (Above/Below)		
Pencil rubbing ☐ or sketch ☐ attached (Y/N) (N) If no explain DIGITAL PHOTO		

PHOTOGRAPH LOG

Frame # or File name	Description
05091893A	From SW
05091893B	MONUMENT
05091893C	MONUMENT

Remarks, Weather, Comments on Problems, Sketches, etc.
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Log Checked By: R.B.M.	Date: 8-10-2004
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GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7 JULY 2004 ✓	Day of Year: 189 ✓	EA: 908160
Operator: S. MEACHAM ✓		Agency: CalTrans - District 05
Receiver #: 5 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 1305 ✓ 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 Model: Zephyr Geodetic DC: 4124 ✓	S/N: 12234994 ✓

OBSERVATION TECHNIQUE

 Static ☒

Session #: 4 ✓	Station Name: WIND1894 Windsor	PID: None
4 Character ID: WIND File Name(s): WIND1894		
File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled	4:00 PM	3:00 PM
Start Time (Local)	Start Time (UTC) 22:00	End Time (Local) 3:45
		End Time (UTC) 22:45
Actual	4:10 PM ✓	5:00 PM ✓
Start Time (Local)	Start Time (UTC) 23:10 ✓	End Time (Local) 5:00 PM ✓
		End Time (UTC) 24:00 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe _____
Tripod #: 3	Tripod Manufacturer: SECO	Tripod Color: YELLOW/GREEN
Adjustment - Verified ☐	Adjusted ☒ (Initials): J.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			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.000			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

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

PHOTOGRAPH LOG

Frame # or File name	Description
WIND1894 A	FROM NORTH
WIND1894 B	MONUMENT

Remarks, Weather, Comments on Problems, Sketches, etc. CLOUDY CLEAR; COOL
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Log Checked By: R.B.M.	Date: 8-10-2004
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JD 190

Session 01 08:15 - 09:46

Session 02 10:36 - 11:46

Session 03 11:51 - 13:46

Session 04 14:24 - 16:01



DSC00102.JPG



DSC00103.JPG



DSC00104.JPG



DSC00105.JPG



DSC00106.JPG



DSC00107.JPG



DSC00108.JPG



DSC00109.JPG

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-8-04 ✓	Day of Year: 190 ✓	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 Model: Zephyr Geodetic DC: 4126 ✓	S/N: 12200511 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 1 ✓	Station Name: OSKL ✓	PID: FV 2067 ✓
4 Character ID: OSKL ✓		File Name(s): OSKL1901.DAT ✓
File Name Format = aaaadds.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 ✓
		End Time (UTC) 1645 ✓
Actual		
Start Time (Local) 8:34 AM ✓	Start Time (UTC) 1534 ✓	End Time (Local) 9:45 ✓
		End Time (UTC) 16:45 ✓

ANTENNA INFORMATION

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

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	ELY (direction) from antenna and (Above/Below)	
Pencil rubbing ☒ or sketch ☐ attached ☒ (Y/N)	If no explain _____	

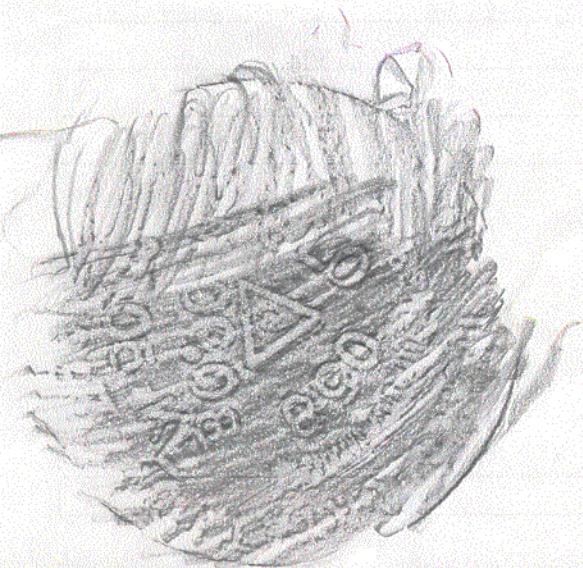
PHOTOGRAPH LOG

Frame # or File name	Description
100 - 102	8:23 AM CLOSE-UP
103	8:35 AM SET UP ON STATION

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

Log Checked By: R.B.M.	Date: 8-10-2004
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SEE
BACK OF
LOG SHEET



GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-8-04 ✓	Day of Year: 190 ✓	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 Model: Zephyr Geodetic DC: 4126 ✓	S/N: 12200511 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 2 ✓	Station Name: B707 ✓	PID: FV 0967 ✓
4 Character ID: B707 ✓	File Name(s): B7071902.DAT ✓	CAPS
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): RB

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

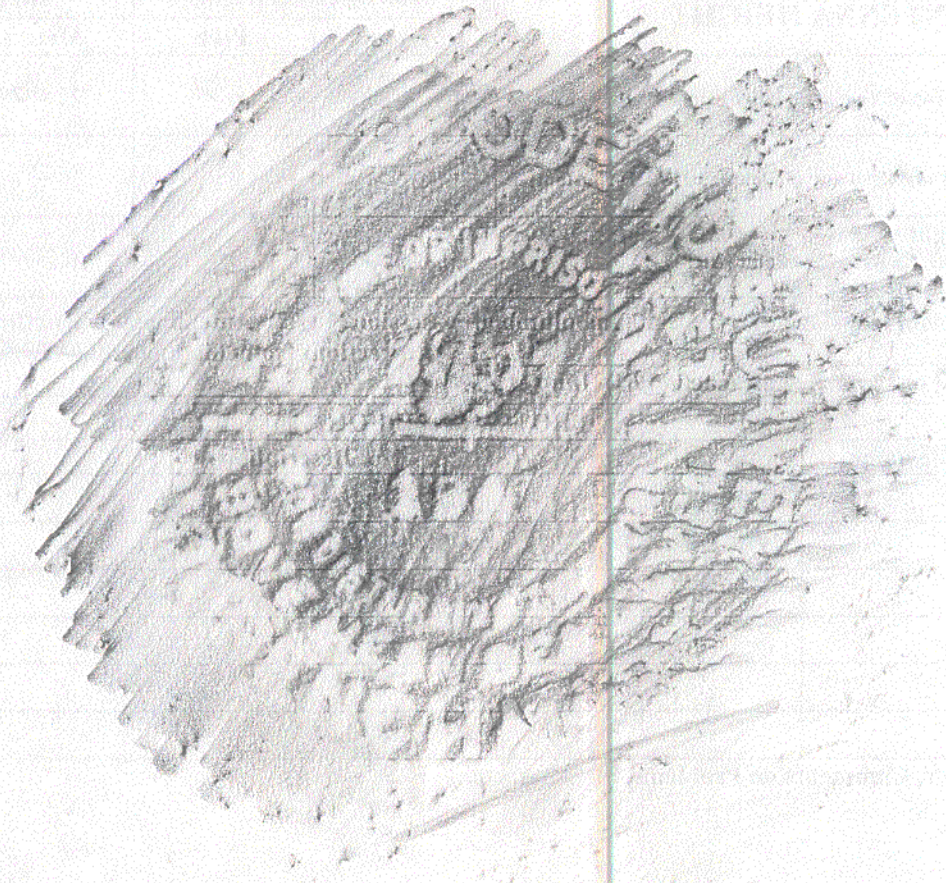
Antenna plumb before session? ☒ Y ☐ N Antenna plumb after session? ☒ Y ☐ N Antenna cable length 10 m
Vehicle is parked 15 meters S, LY (direction) from antenna and (Above/Below)
Pencil rubbing ☒ or sketch ☐ attached ☒ Y ☐ N If no explain _____

PHOTOGRAPH LOG

Frame # or File name	Description
100 - 104	10:31 CLOSE-UP
105	10:41 AM SETUP

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

Log Checked By: R.B.m. Date: 8-10-2004



GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-8-04 ✓	Day of Year: 190 ✓		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 #: 3 ✓	Station Name: B707 ✓	PID: FV 0967 ✓ CAPS
4 Character ID: B707 ✓ File Name(s): B7071903.DAT ✓		
File Name Format = aaaadds.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) 11:51 AM ✓	Start Time (UTC) 1851 ✓	End Time (Local) 1:45 PM ✓ End Time (UTC) 2045 ✓

ANTENNA INFORMATION

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

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 - 106	11:47 AM CLOSE-UP
107	11:52 AM SETUP

Remarks, Weather, Comments on Problems, Sketches, etc.	PDOP @ 4 NEAR END OF SESSION.
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Log Checked By: R.B.M.	Date: 8-10-2004
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SEE
BACK OF
LOG SHEET



GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-8-04 ✓	Day of Year: 190 ✓		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: YORK ✓	PID: — (NONE)
4 Character ID: YORK ✓ File Name(s): YORK1904.DAT ✓ 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) 2:24 PM ✓ Start Time (UTC) 2124 ✓ End Time (Local) 3:45 PM ✓ End Time (UTC) 2245		

ANTENNA INFORMATION

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

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 25 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
100 - 0108	2:18 PM CLOSE-UP
109	2:28 PM SETUP

Remarks, Weather, Comments on Problems, Sketches, etc.	SL 46 - PM 12:24
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Log Checked By: R.B.M.	Date: 8-10-2004
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SEE BACK
F LOG SHEET

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 7-8-04 ✓	Day of Year: 190 ✓	EA: 908160	
Operator: J. BLAES ✓		Agency: CalTrans - District 05	
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 00 0440100986 ✓	
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓	
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble Model: Zephyr Geodetic DC: 4126 ✓	S/N: 11884506 ✓	

OBSERVATION TECHNIQUE

Static ☒

Session #: 1 ✓	Station Name: HPGN D CA 05 HK ✓	PID: FV 2065 ✓
4 Character ID: 05HK ✓ Edit File Name(s): 05 HK 1901 ✓		
File Name Format = aaaadddd.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) 8:17 AM ✓	Start Time (UTC) 1517 ✓	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): B	

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

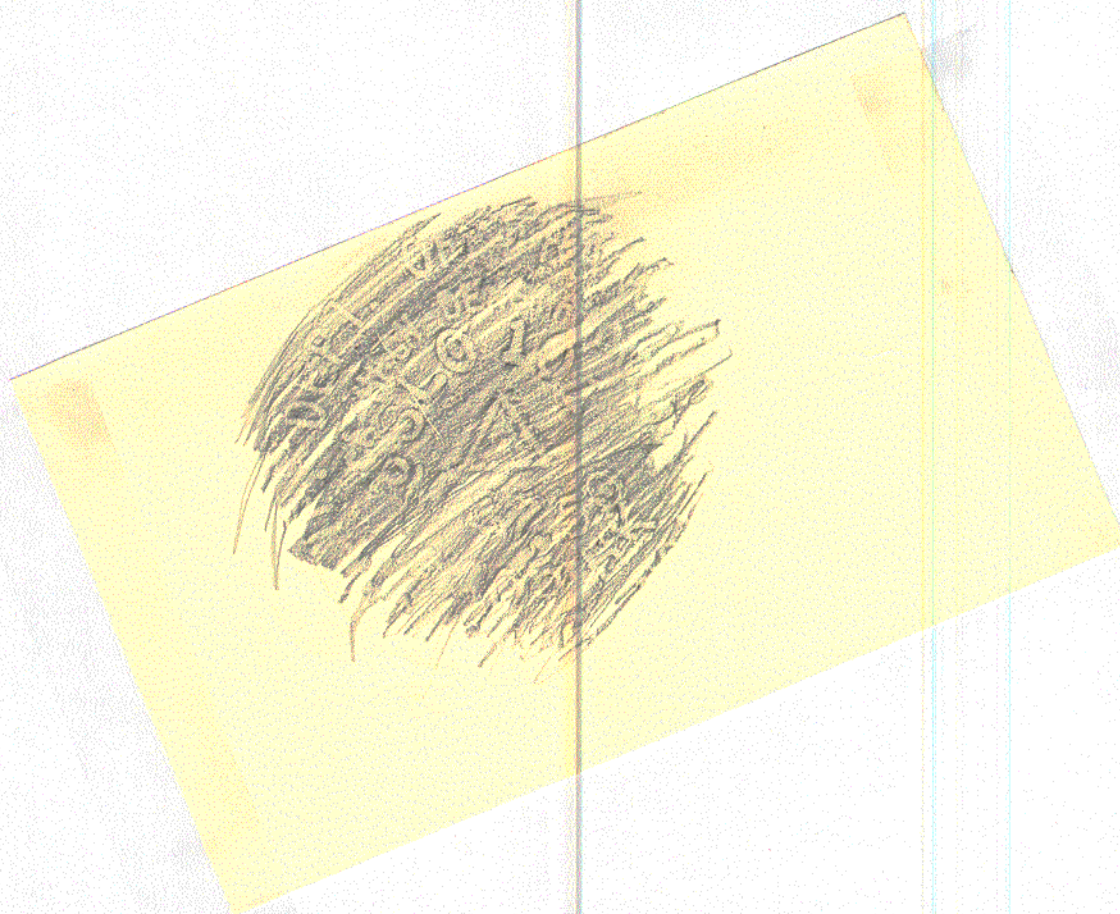
Antenna plumb before session? (Y/N) Y	Antenna plumb after session? (Y/N) Y	Antenna cable length 10m
Vehicle is parked 10 meters	5'LY (direction) from antenna and (Above/Below)	
Pencil rubbing ☒ or sketch ☐ attached (Y/N) Y	If no explain	

PHOTOGRAPH LOG

Frame # or File name	Description

Remarks, Weather, Comments on Problems, Sketches, etc.	NOTE: A COUPLE OF VEHICLES ARE PARKED 2m N'LY FROM ANTENNA ON OTHER SIDE OF FENCE
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Log Checked By: R.B.m.	Date: 8-10-2004
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7-08-2004

05 HK

190 Session 01



jd190 001.jpg



jd190 002.jpg



jd190 003.jpg



jd190 004.jpg



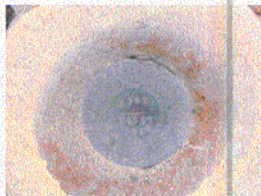
jd190 005.jpg



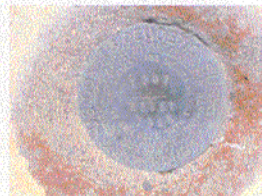
jd190 006.jpg



jd190 007.jpg



jd190 008.jpg



jd190 009.jpg



jd190 010.jpg



jd190 011.jpg



jd190 012.jpg



jd190 013.jpg

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092	
Observation Date: 7-8-04 ✓		Day of Year: 190 ✓		EA: 908160
Operator: J. BLAES ✓			Agency: CalTrans – District 05	
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓	
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓	
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble DC: 4126 ✓	Model: Zephyr Geodetic	S/N: 11884506 ✓	

OBSERVATION TECHNIQUE

Static ☒

Session #: 2 ✓	Station Name: HPGN DCA 05 LG ✓	PID: FV 2068 ✓
4 Character ID: 05LG ✓ File Name(s): 05LG 190 2 ✓		
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 SEE NOTE BELOW		
Start Time (Local)	Start Time (UTC)	End Time (Local) End Time (UTC)

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe SECO
Tripod #: X	Tripod Manufacturer:	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	5.91	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	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 _____ meters _____	(direction) from antenna and (Above/Below)	
Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain _____		

PHOTOGRAPH LOG

Frame # or File name	Description
10-13	Photos of USGS receiver set-up

Remarks, Weather, Comments on Problems, Sketches, etc.	NOTE: ANOTHER RECEIVER ALREADY ON PT. (USGS), DID NOT OCCUPY.
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Log Checked By: R.B.M.	Date: 8-10-2004
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GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-08-2004 ✓	Day of Year: 190 ✓	EA: 908160
Operator: R.B. MacKenzie III ✓		Agency: CalTrans - District 05
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 8 ✓ P/N: 41249-00	Manufacturer: Trimble Model: Zephyr Geodetic DC: 4232 ✓	S/N: 12354089 ✓

OBSERVATION TECHNIQUE Static ☒

Session #: 3 ✓	Station Name: GWM 33 Reset USGS ✓	PID: FV1057 ✓
4 Character ID: GWM3 ✓ File Name(s): GWM31903 ✓		
File Name Format = aaaaddd.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) 12:20 ✓	Start Time (UTC) 19:20 ✓	End Time (Local) 13:45 ✓ End Time (UTC) 20:45 ✓

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) <u>Y</u>	Antenna plumb after session? (Y/N) <u>N</u>	Antenna cable length <u>10m.</u>
Vehicle is parked <u>21 ±</u> meters <u>S'ly</u> (direction) from antenna and (Above/Below) <u>Below</u>		
Pencil rubbing ☐ or sketch ☐ attached (Y/N) <u>Y</u> If no explain <u>Photo Taken</u>		

PHOTOGRAPH LOG

Frame # or File name	Description
1	Close up of Monument
2	Close up of Monument

Remarks, Weather, Comments on Problems, Sketches, etc. Cold, Cloudy/Foggy, misty, windy Note - non standard receiver/antenna pairing!
Log Checked By: R.B.M. Date: 8-10-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 7-08-2004 ✓	Day of Year: 190 ✓	EA: 908160
Operator: R.B. MacKenzie III ✓		Agency: CalTrans - District 05
Receiver #: 2 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100986 ✓
Controller #: A ✓ P/N: 45185-10 ✓	Manufacturer: Trimble Model: TSCe Firmware Version: Survey Controller v 10.72	S/N: 00026155 ✓
Antenna #: 2 ✓ P/N: 41249-00	Manufacturer: Trimble Model: Zephyr Geodetic DC: 4126 ✓	S/N: 11884506 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 4 ✓	Station Name: Y 707 Rest ✓	PID: FV 0048 ✓
4 Character ID: Y707 File Name(s): Y7071904		
File Name Format = aaaaddd.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled		
Start Time (Local) 15:00 ✓	Start Time (UTC) 22:00 ✓	End Time (Local) 15:45 ✓ End Time (UTC) 22:45 ✓
Actual		
Start Time (Local) 15:04 ✓	Start Time (UTC) 22:04 ✓	End Time (Local) 16:00 ✓ End Time (UTC) 23:00 ✓

ANTENNA INFORMATION

Fixed Height Tripod ☐	Collapsible Leg Tripod ☐	Other ☒ Describe Pinned Center Leg
Tripod # :	Tripod Manufacturer:	Tripod Color: Yellow
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	1.500			
B = Additional offset to ARP if any (Quick Release/ HH constant)	Ø			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	1.500			

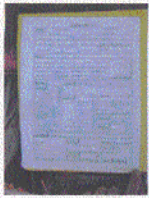
Antenna plumb before session? (Y/N) Antenna plumb after session? (Y/N) Antenna cable length 10 mt.
 Vehicle is parked 30 ± meters E'ly (direction) from antenna and (Above/Below)
 Pencil rubbing ☐ or sketch ☐ attached (Y/N) If no explain Photo Taken

PHOTOGRAPH LOG

Frame # or File name	Description
3	Overall of Setup looking W'ly
4	" " looking S'ly
5	" " looking E'ly
6	" " looking N'ly
7	Close-up of pinned center leg
8 & 9	Close-up of monument

Remarks, Weather, Comments on Problems, Sketches, etc. Beg PDOP = 5.9, 15:15 PDOP = 2.3
 Clear, warm, breezy 15:30 PDOP = 1.8, 15:45 PDOP = 1.8
 End PDOP 1.8

Log Checked By: R.B.M.	Date: 8-10-2004
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05LL1904A.JPG



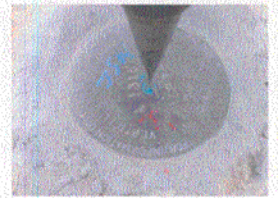
05LL1904B.JPG



05LL1904C.JPG



05LL1904D.JPG



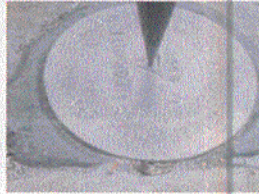
A1311901A.JPG



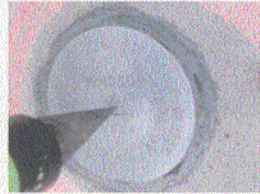
A1311901B.JPG



NEGR1903A.JPG



NEGR1903B.JPG



WIND1902A.JPG



WIND1902B.JPG

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 8 JULY 2004 ✓	Day of Year: 190 ✓	EA: 908160	
Operator: S. MEACHAM ✓		Agency: CalTrans - District 05	
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 13665 ✓ 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 #: 1 ✓	Station Name: A1315 ✓	PID: FV1095 ✓
4 Character ID: A131 ✓ File Name(s): A1311901 ✓ File Name Format = aaaaddd.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled Start Time (Local) 7:00AM ✓ Start Time (UTC) 1600 ✓ End Time (Local) 9:45AM ✓ End Time (UTC) 16:45 ✓		
Actual Start Time (Local) 8:35AM ✓ Start Time (UTC) 15:35 ✓ End Time (Local) 9:45 ✓ End Time (UTC) 16:45 ✓		

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe _____
Tripod #: 3	Tripod Manufacturer: SECO	Tripod Color: YELLOW 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	2.000			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.00			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

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

PHOTOGRAPH LOG

Frame # or File name	Description
A131 1901 A	MONUMENT
A131 1901 B	VIEW FROM WEST

Remarks, Weather, Comments on Problems, Sketches, etc. CLOUDY CLEAR COOL

Log Checked By: R.B.M.	Date: 8-10-2004
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GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 8 July 2004 ✓	Day of Year: 190 ✓	EA: 908160	
Operator: S. MEACHAM ✓		Agency: CalTrans - District 05	
Receiver #: 3 ✓ P/N: 40406-46 ✓	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 1305 ✓ 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: WINDSOR ✓	PID: none (new)
4 Character ID: WIND ✓ File Name(s): WIND1902 ✓ File Name Format = aaaaddds.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled Start Time (Local) 11:00AM ✓ Start Time (UTC) 18:00 ✓ End Time (Local) 11:45AM ✓ End Time (UTC) 18:45 ✓		
Actual Start Time (Local) 10:36AM ✓ Start Time (UTC) 17:36 ✓ End Time (Local) 11:45AM ✓ End Time (UTC) 18:45 ✓		

ANTENNA INFORMATION

Fixed Height Tripod ☒	Collapsible Leg Tripod ☐	Other ☐ Describe _____
Tripod #: 3	Tripod Manufacturer: SECO	Tripod Color: Yellow/Green
Adjustment - Verified ☒	Adjusted ☒ (Initials): DM	ADJUSTED 10:35am

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			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.000			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

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

PHOTOGRAPH LOG

Frame # or File name	Description
WIND 1902A	MONUMENT
WIND 1902B	VIEW FROM SOUTH

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

Log Checked By: R.B.M.

Date: 8-10-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation		SR#: 0405-0092
Observation Date: 8 JULY 2004 ✓	Day of Year: 190 ✓	EA: 908160
Operator: STACEY MEACHAM ✓		Agency: CalTrans - District 05
Receiver #: 3 ✓ P/N: 40406-46	Manufacturer: Trimble Model: 5700 Firmware Version: v 2.01	S/N: 0440100467 ✓
Controller #: 13005 ✓ 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 Model: Zephyr Geodetic DC: 4124 ✓	S/N: 12234994 ✓

OBSERVATION TECHNIQUE

Static ☒

Session #: 3 ✓	Station Name: NEGRANTI ✓	PID: NONE YET
4 Character ID: NEGR ✓ File Name(s): NEGR1903 ✓ 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) 20:00 ✓ End Time (Local) 1:45 ✓ End Time (UTC) 20:45 ✓		
Actual Start Time (Local) 12:12 PM ✓ Start Time (UTC) 19:12 ✓ End Time (Local) 13:45 ✓ End Time (UTC) 20:45 ✓		

ANTENNA INFORMATION

Fixed Height Tripod ☐	Collapsible Leg Tripod ☐	Other ☐ Describe _____
Tripod #: 3	Tripod Manufacturer: SECO	Tripod Color: Yellow/Green
Adjustment - Verified ☒ Adjusted ☐ (Initials): JMM		

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			
B = Additional offset to ARP if any (Quick Release/ HH constant)	0.000			
H = Antenna Height = A+B = Datum Point to Antenna Reference Point (ARP) Note: ARP is Bottom of Antenna Mount	2.000			

Antenna plumb before session? (Y/N) <u>Y</u>	Antenna plumb after session? (Y/N) <u>Y</u>	Antenna cable length <u>10m</u>
Vehicle is parked <u>60</u> meters <u>South</u> (direction) from antenna and (Above/Below)		
Pencil rubbing ☐ or sketch ☐ attached (Y/N) <u>Y</u> If no explain <u>digital photos</u>		

PHOTOGRAPH LOG

Frame # or File name	Description
NEGR1903 A	SETUP From South?
NEGR1903 B	MONUMENT

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

CLOUDY CLEAR 2 COOL

Log Checked By: R.B.M.

Date: 8-10-2004

GPS FIELD OBSERVATION LOG

Project Name: San Simeon HPGN Reobservation			SR#: 0405-0092
Observation Date: 8 JULY 2004 ✓	Day of Year: 190 ✓		EA: 908160
Operator: S. MACHAM ✓		Agency: CalTrans – District 05	
Receiver #: P/N: 40406-46	Manufacturer: Trimble	Model: 5700 Firmware Version: v 2.01	S/N:
Controller #: P/N: 45185-10	Manufacturer: Trimble	Model: TSCe Firmware Version: Survey Controller v 10.72	S/N:
Antenna #: P/N: 41249-00	Manufacturer: Trimble DC:	Model: Zephyr Geodetic	S/N:

OBSERVATION TECHNIQUE

Static ☒

Session #: 4	Station Name: 05LL	PID: FV2069
4 Character ID: File Name(s): File Name Format = aaaaddss.xxx where aaaa = 4 Character ID, ddd = day of year, s = session #, xxx = extension		
Scheduled Start Time (Local) 3:00 PM	Scheduled Start Time (UTC) 2200	Scheduled End Time (Local) 3:45 PM Scheduled End Time (UTC) 22:45
Actual Start Time (Local) Start Time (UTC) End Time (Local) End Time (UTC)		

ANTENNA INFORMATION

Fixed Height Tripod ☐ Collapsible Leg Tripod ☐ Other ☐ Describe _____
 Tripod #: Tripod Manufacturer: Tripod Color: _____
 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				
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				

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

PHOTOGRAPH LOG

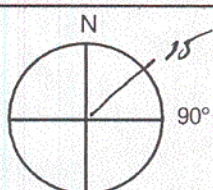
Frame # or File name	Description
05LL190 4 A	Front PAGE LOG SHEET
05LL190 4 B	BACK PAGE LOG SHEET
05LL190 4 C	MONUMENT
05LL190 4 D	PHOTO OF SET-UP

Remarks, Weather, Comments on Problems, Sketches, etc.
 FOUND USGS RECEIVER ON STATION, MADE PHOTO COPIES OF LOG SHEET (ATTACHED)

Log Checked By: _____ Date: _____

ASHTech FIELD LOG

Recon.	Mark Information	Session Information
AGENCY <u>CADAT</u>	NET NAME <u>CAMBRIA</u>	
STAMPING <u>1993</u> <u>Sl0 101 Pm 5229 STA 0544</u>	STATION NAME <u>2069</u>	
MARK TYPE <u>Alum Survey Disk</u>	DATE (UTC) <u>2004 Jul 01</u> dd mmm yyyy or mmm dd yyyy	
CENTER MARK 	4 DIGIT CODE <u>2069</u>	

Set Up	Observer <u>JMS</u>	B file name	Dumped?
TRIPOD TYPE <u>SAKON</u> ADAPTER I.D. <u>7</u>	BAYONET H.I. <u>1685</u> (m)		
SLANT H.I. <u>1518</u> <u>1519</u> <u>1519</u> (m) <u>62.15</u> <u>62.15</u> <u>62.15</u> (in)			
RECEIVER P/N <u>700845-104</u>	ANTENNA P/N <u>700936 (D)</u>		
RECEIVER S/N <u>19019992804</u>	ANTENNA S/N <u>CR14341</u>		

Start Up	Screen 8	Avail. Memory: <u>319</u>	EQHR (<u>99</u> %)
Screen 4 YES RANGER = 3 ? ☒ Z MODE = A ? ☒ REC. INTVL. = 030 ? ☒ MIN. #. SV. = 1 ? ☒ ELEV. MASK. = 10° ? ☒ SESSION PROG ? <u>Y</u> or N SESSION BEGIN <u>000000</u> SESSION END <u>235430</u>	Screen 9 YES SITE = 4 DIGIT CODE ? ☒ SESSION = A ? ☒ RCV# CORRECT ? ☒ ANT# CORRECT ? ☒ MMDD = UTC ? ☒ OPR = YOUR INITIALS ? ☒ CODE = STAMPING ? ☒ H.I. BEF. = MEASURED H.I. ? ☒ RECORD. = "Y" ? ☒	Start time Remote ☒ TIME (UTC) <u>2020</u> DATE (UTC) <u>2004 Jul 01</u> TIME (LOCAL) <u>1320</u> DATE (LOCAL) <u>2004 Jul 01</u>	Screen 0 SOFTWARE VERSION: <u>CD00.1002</u>
Screen 2 Time <u>2024</u> # of sv's <u>5</u> LAT. ? <u>35:33.924</u> LONG. ? <u>120:42.372</u> ALTITUDE ? <u>231</u>		Screen 3 YES RECORDING DATA *****? ☒	

Shut Down	SLANT H.I.	(m)	(in)
End time TIME (UTC) _____ DATE (UTC) _____ TIME (LOCAL) _____ DATE (LOCAL) _____	Screen 8 EQHR FOR CURRENT SITE _____	BAYONET H.I. _____ (m) IS TRIPOD LEVEL AND CENTERED ?? Y N IF "NO", EXPLAIN: _____	Screen 9 YES H.I. AFT. = MEASURED H.I.? ☐
		Shut Off Receiver	

ASHTech FIELD LOG page 2

KJW 4/03

Station 2069

Date 2004 JUL 1

Operator JMS

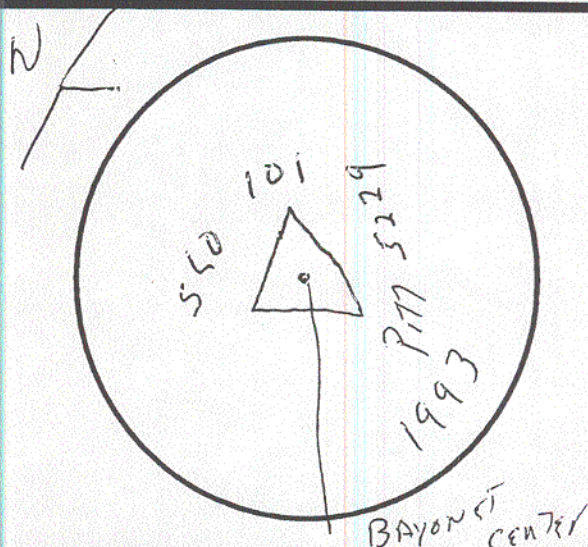
dd mm yyyy or mm dd yyyy

Comments

CADAT, 3" ALUM SURVEY
DISK, ON PIPE, ENCASED
WITH P.V.C. + CONCRETE
WITH ACCESS CID. IN
SMALL LOCKED COMPOUND

CADAT KEY

Sketch the monument here. Indicate the exact point over which the antenna was centered.



Digital Photo Log

Frame #	Direction Facing
	North
	East
	South
	West
	Bayonet
	Bench mark

Update Site Description & Drive-To Instructions

GOOD AS IS

JUL 8, 16:12 BAYONET
CENTER: 8000 1.685
REC: 8000 BAT 12.9 ✓
Hi: 1.579 1.579 1.578 m
62.2 62.2 62.2 m