

GPS Observation Log

Station Name: ALROSE (Session 3) PID:	Date: 07/13/04	Day Number: 195	4-Char ID:
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Location: Young USGS Quad, Gila County, Arizona	Observer: <i>T. HOWAN</i>	Obs. Agency: GILA COUNTY
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Latitude: 34 5' 56.94 N	Longitude: 110 55' 29.58 W	Height:
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Session Start: UTC / Local <i>1941 / 1241</i>	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local <i>2213 / 30 313</i>	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: 33429-00+GP	Receiver Model Number: 4700	Antenna Mount: (Check one)
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Antenna Serial Number: 0220165099	Receiver Serial Number: 0220166602	Fixed Height Pole: <input checked="" type="checkbox"/> <u>X</u> Slip Leg Tripod: <input type="checkbox"/>
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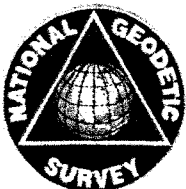
Antenna Manufacturer:	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Trimble	A = Datum point to top of Tripod (tripod height)	<i>2.0034</i>		<i>2.005</i>	
	B = Additional Offset to ARP (Tribrach, etc.)	<i>0.00</i>		<i>0.00</i>	
	H = A + B (Antenna Height) = Datum Point to ARP	<i>2.0034</i>		<i>2.005</i>	

>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
 Antenna Set to True North? Y / N (Circle One)

Gila Tripod 4



Log Checked By: *[Signature]*

GPS Observation Log

Station Name: BELLE (Session 3) PID:	Date: 07/13/04	Day Number: 195	4-Char ID:
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Location: Young USGS Quad, Gila County, Arizona	Observer: SEFF DAVIS	Obs. Agency: GILA COUNTY
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Latitude: 34 6' 29.14 N	Longitude: 110 59' 43.25 W	Height:
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Session Start: UTC / Local 12:47pm / 12:47 P.M.	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local 1543 / 3:43	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: NA LEGANTZ	Receiver Model Number: Legacy - E	Antenna Mount: (Check one) Fixed Height Pole: <input checked="" type="checkbox"/> Slip Leg Tripod: <input type="checkbox"/>
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Antenna Serial Number: 223-0644	Receiver Serial Number: LE-5756	
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Antenna Manufacturer: Topcon	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
	A = Datum point to top of Tripod (tripod height)	2.000		2.000	
Receiver Manufacturer: Topcon	B = Additional Offset to ARP (Tribrach, etc.)	0.100		0.100	
	H = A + B (Antenna Height) = Datum Point to ARP	2.100		2.100	

>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<


Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
 Antenna Set to True North? Y / N (Circle One)
 MD Topcon Unit/ NGS Tripod: 10 cm adaptor for antenna cable clearance




Log Checked By:	[Signature]
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GPS Observation Log

Station Name: CATO (Session 3) PID:		Date: 07/13/04	Day Number: 195	4-Char ID:						
Location: Gentry MT USGS Quad, Gila County, Arizona			Observer: <i>Ed Wisdom</i>	Obs. Agency: GILA COUNTY						
Latitude: 34 3' 58.27 N		Longitude: 110 47' 22.84 W		Height:						
Session Start: UTC / Local <i>19:48 / 12:48</i>		Scheduled Start: UTC / Local 2000 / 01:00 PM		Recording Interval: (Seconds) 15						
Session End: UTC / Local <i>22:16 / 3:16</i>		Scheduled End: UTC / Local 2200 / 03:00 PM		Elevation Mask: (Degrees) 10°						
Antenna Model Number: NA		Receiver Model Number: 4800		Antenna Mount: (Check one)						
Antenna Serial Number: NA		Receiver Serial Number: 0220165440		Fixed Height Pole: <u> X </u>						
				Slip Leg Tripod: <u> </u>						
Antenna Manufacturer: Trimble	Antenna Height (see back of form)		Session Start:		Session End:					
			Meters	Feet	Meters	Feet				
	A = Datum point to top of Tripod (tripod height)		<i>1.802</i>		<i>1.802</i>					
Receiver Manufacturer: Trimble	B = Additional Offset to ARP (Tribrach, etc.)		<i>0.00</i>		<i>0.00</i>					
	H = A + B (Antenna Height) = Datum Point to ARP		<i>1.802</i>		<i>1.802</i>					
>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<										
Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
	Part Number:	Start	F	C	F	C	Inches	Millibar		
	Serial Number:	Middle								
	Psychrometer	End								
Average of Readings										
Remarks, Comments on Problems, Sketches, etc: Antenna Set to True North? Y / N (Circle One) Gila Tripod 2/Receiver 2 ✓										
										Log Checked By: <i>[Signature]</i>

GPS Observation Log

Station Name: CHAPMAN(Session 3) PID:		Date: 07/13/04	Day Number: 195	4-Char ID:						
Location: Young USGS Quad, Gila County, Arizona			Observer: <i>Allison Thomas</i>	Obs. Agency: GILA COUNTY						
Latitude: 34 4' 30.73 N		Longitude: 110 54' 30.97 W		Height:						
Session Start: UTC / Local <i>1950 / 12:50</i>		Scheduled Start: UTC / Local 2000 / 01:00 PM		Recording Interval: (Seconds) 15						
Session End: UTC / Local <i>2216 / 3:16</i>		Scheduled End: UTC / Local 2200 / 03:00 PM		Elevation Mask: (Degrees) 10°						
Antenna Model Number: NA		Receiver Model Number: 4800		Antenna Mount: (Check one)						
Antenna Serial Number: NA		Receiver Serial Number: 0220244639 ✓		Fixed Height Pole: <u> X </u> Slip Leg Tripod: <u> </u>						
Antenna Manufacturer: Trimble	Antenna Height (see back of form)		Session Start: Meters Feet		Session End: Meters Feet					
	A = Datum point to top of Tripod (tripod height)		<i>1.803²</i>		<i>1.803²</i>					
	B = Additional Offset to ARP (Tribrach, etc.)		<i>0</i>		<i>0</i>					
Receiver Manufacturer: Trimble	H = A + B (Antenna Height) = Datum Point to ARP		<i>1.803²</i>		<i>1.803²</i>					
	>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<									
Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp. F C		Wet- Bulb Temp. F C		Rel. % Humidity	Atm. Pressure Inches Millibar		Weather Codes
	Part Number:	Start								
	Serial Number:	Middle								
	Psychrometer	End								
Average of Readings										
Remarks, Comments on Problems, Sketches, etc: Antenna Set to True North? Y / N (Circle One) Gila Tripod 3/Receiver 3 ✓ <i>gusty breezes</i>										
									Log Checked By: <i>STH</i>	

GPS Observation Log

Station Name: CHERRY(Session 3) PID:		Date: 07/13/04	Day Number: 195	4-Char ID:						
Location: OxBow MT USGS Quad, Gila County, Arizona			Observer: <i>T. HOUMAN</i>	Obs. Agency: GILA COUNTY						
Latitude: 34 7' 50.71 N		Longitude: 110 55' 28.89 W		Height:						
Session Start: UTC / Local 1949 / 1249		Scheduled Start: UTC / Local 2000 / 01:00 PM		Recording Interval: (Seconds) 15						
Session End: UTC / Local 2225 / 325		Scheduled End: UTC / Local 2200 / 03:00 PM		Elevation Mask: (Degrees) 10°						
Antenna Model Number: 701975-01A +GP		Receiver Model Number: ZExtreme		Antenna Mount: (Check one)						
Antenna Serial Number: 6890		Receiver Serial Number: ZE120023402		Fixed Height Pole: <u> X </u>						
				Slip Leg Tripod: <u> </u>						
Antenna Manufacturer: Ashtech	Antenna Height (see back of form)		Session Start:		Session End:					
			Meters	Feet	Meters	Feet				
	A = Datum point to top of Tripod (tripod height)		<i>2.000</i>		<i>2.000</i>					
Receiver Manufacturer: Ashtech	B = Additional Offset to ARP (Tribrach, etc.)		<i>0.00</i>		<i>0.00</i>					
	H = A + B (Antenna Height) = Datum Point to ARP		<i>2.000</i>		<i>2.000</i>					
>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<										
Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
	Part Number:	Start	F	C	F	C	Inches	Millibar		
	Serial Number:	Middle								
	Psychrometer	End								
Average of Readings										
Remarks, Comments on Problems, Sketches, etc: Antenna Set to True North? Y / N (Circle One) NGS Tripod : NGS- ^B /Receiver										
										Log Checked By: <i>WAA</i>

GPS Observation Log

Station Name: CHURCH(Session 3)	Date: 07/13/04	Day Number: 195	4-Char ID:
PID:			

Location: Young USGS Quad, Gila County, Arizona	Observer: <i>TIBMAN</i>	Obs. Agency: GILA COUNTY
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Latitude: 34 6' 10.08 N	Longitude: 110 57' 33.25 W	Height:
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Session Start: UTC / Local <i>1955 / 12:55pm.</i>	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local <i>2236 / 8:36pm</i>	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: <i>NA</i>	Receiver Model Number: <i>HIPER GGD</i>	Antenna Mount: (Check one)
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Antenna Serial Number: <i>NA</i>	Receiver Serial Number: <i>239-0457</i>	Fixed Height Pole: <u>X</u>
		Slip Leg Tripod: _____

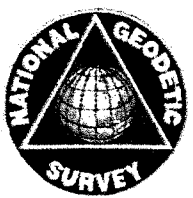
Antenna Manufacturer: Topcon	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Receiver Manufacturer: Topcon	A = Datum point to top of Tripod (tripod height)	<i>2.000</i>		<i>2.000</i>	
	B = Additional Offset to ARP (Tribrach, etc.)	<i>0.00</i>		<i>0.00</i>	
	H = A + B (Antenna Height) = Datum Point to ARP	<i>2.000</i>		<i>2.000</i>	

>>>>> **A** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
Antenna Set to True North? Y / N (Circle One)

MD Topcon Unit/ NGS Tripod:



Log Checked By: <i>[Signature]</i>

GPS Observation Log

Station Name: CLINE(Session 3) PID: DG5009	Date: 07/13/04	Day Number: 195	4-Char ID:
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Location: Buzzard Roost USGS Quad, Gila County, Arizona	Observer: Carlos Ozuna	Obs. Agency: GILA COUNTY
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Latitude: 34 4' 45.48 N	Longitude: 111 2' 26.61 W	Height:
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Session Start: UTC / Local 1947 / 12:47 PM	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local 2215 / 3:15 PM	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: 701975-01A +GP	Receiver Model Number: ZExtreme	Antenna Mount: (Check one)
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Antenna Serial Number: 6863	Receiver Serial Number: ZE120023229	Fixed Height Pole: <u> X </u> Slip Leg Tripod: <u> </u>
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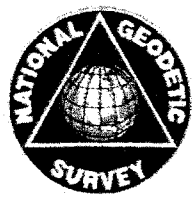
Antenna Manufacturer:	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Ashtech	A = Datum point to top of Tripod (tripod height)	1.800		1.800	
	B = Additional Offset to ARP (Tribrach, etc.)	0.00 0.2		0.00 0.2	
	H = A + B (Antenna Height) = Datum Point to ARP	1.800 2.0		1.800 2.0	

>>>>> **A** EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									0000.1

Remarks, Comments on Problems, Sketches, etc:
 Antenna Set to True North? **(Y)** / N (Circle One)

NGS Tripod : NGS-R /Receiver



Log Checked By: *[Signature]*

GPS Observation Log

Station Name: GENTRY(Session 3) PID:	Date: 07/13/04	Day Number: 195	4-Char ID:
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Location: Gentry MT USGS Quad, Gila County, Arizona	Observer: TONY LUCKIE	Obs. Agency: GILA COUNTY
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Latitude: 34 7' 7.47 N	Longitude: 110 50' 46.51 W	Height:
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Session Start: UTC / Local 1950 / 12:50	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local 2215 / 3:15	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: PG-A1	Receiver Model Number: Legacy E	Antenna Mount: (Check one)
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Antenna Serial Number: 235-0837	Receiver Serial Number: 268-2373	Fixed Height Pole: <input checked="" type="checkbox"/> <u>X</u> Slip Leg Tripod: <input type="checkbox"/>
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Antenna Manufacturer:	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Topcon	A = Datum point to top of Tripod (tripod height)	2.002		2.002	
	B = Additional Offset to ARP (Tribrach, etc.)	0.10		0.10	
	H = A + B (Antenna Height) = Datum Point to ARP	2.102	2.102	2.102	2.102

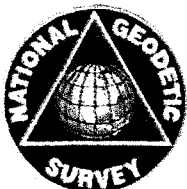
>>>>> A EVERYTHING ABOVE MUST BE FILLED OUT. 7 <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
 Antenna Set to True North? Y / N (Circle One)

Gila Tripod 6

10 cm adapter installed for antenna cable clearance



Log Checked By: *WJH*

GPS Observation Log

Station Name: HINDU(Session 3)	Date: 07/13/04	Day Number: 195	4-Char ID:
PID:			

Location: Young USGS Quad, Gila County, Arizona	Observer: <i>SCFFDAVIS</i>	Obs. Agency: GILA COUNTY
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Latitude: <i>14.711</i> 34 4' 19.46 N	Longitude: <i>AZ11</i> 110 58' 36.44 W	Height:
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Session Start: UTC / Local <i>13:04</i> ²⁰⁰⁵ / <i>1:03 pm.</i>	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local <i>2252</i> / <i>15:57</i> / <i>3:57</i>	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: <i>AA LEGANT 2</i>	Receiver Model Number: <i>NA LEGACY E</i>	Antenna Mount: (Check one)
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Antenna Serial Number: <i>223-0649</i>	Receiver Serial Number: <i>LE-5762</i>	Fixed Height Pole: <input checked="" type="checkbox"/> <u>X</u>
		Slip Leg Tripod: <input type="checkbox"/>

Antenna Manufacturer:	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Topcon	A = Datum point to top of Tripod (tripod height)	<i>2.000</i>		<i>2.000</i>	
	B = Additional Offset to ARP (Tribrach, etc.)	<i>0.100</i>		<i>0.100</i>	
	H = A + B (Antenna Height) = Datum Point to ARP	<i>2.100</i>		<i>2.100</i>	

>>>>> **Λ** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
Average of Readings										

Remarks, Comments on Problems, Sketches, etc:
Antenna Set to True North? Y / N (Circle One)

MD Topcon Unit/ NGS Tripod: *BLOG*

10cm adaptor for antenna cable clearance



Log Checked By: *THA*

GPS Observation Log

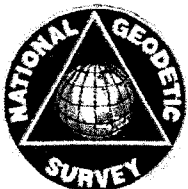
Station Name: SLOAN(Session 3) PID: DG5008		Date: 07/13/04	Day Number: 195	4-Char ID:		
Location: Gentry MT USGS Quad, Gila County, Arizona			Observer: <i>TAMIETTI</i>	Obs. Agency: GILA COUNTY		
Latitude: 34 0' 30.04 N		Longitude: 110 47' 20.11 W		Height:		
Session Start: UTC / Local 1946 / 12:46 PM		Scheduled Start: UTC / Local 2000 / 01:00 PM		Recording Interval: (Seconds) 15		
Session End: UTC / Local 2215 / 3:15 PM		Scheduled End: UTC / Local 2200 / 03:00 PM		Elevation Mask: (Degrees) 10°		
Antenna Model Number: NA		Receiver Model Number: Hiper+ GGD ✓		Antenna Mount: (Check one)		
Antenna Serial Number: NA		Receiver Serial Number: 251-0539 ✓		Fixed Height Pole: <u> X </u> Slip Leg Tripod: <u> </u>		
Antenna Manufacturer: Topcon ✓	Antenna Height (see back of form)		Session Start:		Session End:	
	A = Datum point to top of Tripod (tripod height)		Meters	Feet	Meters	Feet
	B = Additional Offset to ARP (Tribrach, etc.)					
Receiver Manufacturer: Topcon	H = A + B (Antenna Height) = Datum Point to ARP		Meters	Feet	Meters	Feet

>>>>> **A** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start	12:46 PM								00000
Serial Number:	Middle									
Psychrometer	End	3:15 PM								00010
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
Antenna Set to True North? Y **(N)** (Circle One)

Gila Tripod 5 ✓



Log Checked By: *TJA*

GPS Observation Log

Station Name: VORIS(Session 3) PID:	Date: 07/13/04	Day Number: 195	4-Char ID:
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Location: Young USGS Quad, Gila County, Arizona	Observer: <i>Nancy Frandsen</i>	Obs. Agency: GILA COUNTY
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Latitude: 34 0' 57.72 N	Longitude: 110 53' 15.9 W	Height:
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Session Start: UTC / Local <i>1936 112:36</i>	Scheduled Start: UTC / Local 2000 / 01:00 PM	Recording Interval: (Seconds) 15
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Session End: UTC / Local <i>2224 13:24</i>	Scheduled End: UTC / Local 2200 / 03:00 PM	Elevation Mask: (Degrees) 10°
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Antenna Model Number: NA	Receiver Model Number: 4800	Antenna Mount: (Check one)
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Antenna Serial Number: NA	Receiver Serial Number: 0220165441	Fixed Height Pole: <u> X </u> Slip Leg Tripod: <u> </u>
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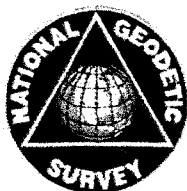
Antenna Manufacturer:	Antenna Height (see back of form)	Session Start:		Session End:	
		Meters	Feet	Meters	Feet
Trimble	A = Datum point to top of Tripod (tripod height)	<i>2.000</i>		<i>2.000</i>	
	B = Additional Offset to ARP (Tribrach, etc.)	<i>0</i>		<i>0</i>	
	H = A + B (Antenna Height) = Datum Point to ARP	<i>2.000</i>		<i>2.000</i>	

>>>>> **A** EVERYTHING ABOVE MUST BE FILLED OUT. **7** <<<<<<

Barometer: Manufacturer	Weather Data	Time (UTC)	Dry-Bulb Temp.		Wet- Bulb Temp.		Rel. % Humidity	Atm. Pressure		Weather Codes
			F	C	F	C		Inches	Millibar	
Part Number:	Start									
Serial Number:	Middle									
Psychrometer	End									
	Average of Readings									

Remarks, Comments on Problems, Sketches, etc:
Antenna Set to True North? **Y** / N (Circle One)

~~Gila Tripod 4/Receiver 1~~
using tripod D31



Log Checked By: *[Signature]*