



**Federal Aviation
Administration**

Airport Surveying-GIS Program

GPS Observation Log Sheet

Station Designation					Station PID	Date (UTC)
<input type="checkbox"/> FBN	<input type="checkbox"/> CBN	<input type="checkbox"/> PAC	<input type="checkbox"/> SAC	<input type="checkbox"/> BM		
General Location				Station 4 Character ID		Day of Year
Geographic Coordinates (NAD83)				Project Number		Airport ID
Latitude:	N	°	'	GPS -		
Longitude:	W	°	'			
Observation Session Times (UTC)				NAD83 Ellipsoid Height		Meters
Scheduled Start	:	Stop	:	NAVD88 Orthometric Height		Meters
Actual Start	:	Stop	:	GEOID _____ GEOID Height		Meters
Epoch Interval	=	Seconds				
Elevation Mask	=	Degrees				
Project Name		Station Serial Number (SSN)			Session ID	
Agency/Company	Operator Name	Telephone Number () -		Email address		
Answer Yes or No to each question, if No explain				Yes	No	Explanation
Antenna plumb before session?				<input type="checkbox"/>	<input type="checkbox"/>	
Antenna plumb after session?				<input type="checkbox"/>	<input type="checkbox"/>	
Antenna oriented to true north?				<input type="checkbox"/>	<input type="checkbox"/>	
Weather observed at antenna height?				<input type="checkbox"/>	<input type="checkbox"/>	
Antenna ground plane used				<input type="checkbox"/>	<input type="checkbox"/>	
Antenna radome used?				<input type="checkbox"/>	<input type="checkbox"/>	
Eccentric observation (> 0.5 mm)?				<input type="checkbox"/>	<input type="checkbox"/>	
Any obstructions above 10°?				<input type="checkbox"/>	<input type="checkbox"/>	
Radio interference source nearby?				<input type="checkbox"/>	<input type="checkbox"/>	
Receiver				Antenna		
Brand				Brand		
Model				Model		
Part Number				Part Number		
Serial Number				Serial Number		
Firmware Version				Cable Length (meters)		
<input type="checkbox"/> Camcorder battery		<input type="checkbox"/> 12V DC		<input type="checkbox"/> 110V AC		
<input type="checkbox"/> Other (specify):				Vehicle is parked _____ meters _____ (direction) from antenna		
<p>Paperwork Reduction Act Statement: This form is used to document source information about an airport or aeronautical facility which is part of the National Airspace System (NAS). This information is used to document airport data relating to the safety, security, or capacity of the national air transportation system. It is estimated that it will take approximately 5-80 hours to fill out the all of the necessary forms for a project depending on the complexity. No assurance of confidentiality is necessary or provided. It should be noted that an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection of information is 2120-0569. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC, 20591, Attn: Information Collections Clearance Officer, AIO-20.</p>						

GPS Observation Log Sheet (continued)				Station Designation:			
Tripod				Psychrometer (if used)			
Brand				Brand			
Model				Model			
Part Number				Part Number			
Serial Number				Serial Number			
Last Adjustment Date				Last calibration or check date:			
<input type="checkbox"/> Fixed leg tripod <input type="checkbox"/> Collapsible - leg tripod <input type="checkbox"/> Fixed Mount				Barometer (if used)			
				Brand			
				Model			
				Serial Number			
Antenna Height				Before Session Begins		After Session Ends	
				Meters	Feet	Meters	Feet
A = Datum point to top of tripod (Tripod Height)							
B = Additional offset to ARP if any (Tribach/spacer)							
H = Antenna Height = A + B = Datum point to ARP							
Meters = feet × 0.3048				Height entered into receiver = _____ meters			
Note or sketch any unusual circumstances. Be very clear as to where and how you measured.							
Weather Data							
Weather Codes	Time (UTC)	Dry-Bulb Temp		Wet Bulb Temp		Rel % Humidity	Atm Press. In Hg mB
		Fahrenheit	Celsius	Fahrenheit	Celsius		
Before							
Middle							
After							
Weather Codes							
Code	Problem	Visibility	Temperature		Cloud Cover	Wind	
0	Did not occur	Good over 15 miles	Normal 32 - 80° F		Clear, below 20%	Calm, under 5 mph	
1	Did occur	Fair 7-15 miles	Hot over 80° F		Cloudy 20 – 70%	Moderate 5 – 15 mph	
2	Not Used	Poor under 7 miles	Cold below 32° F		Overcast more than 70%	Strong over 15 mph	
Example: 00000 = No problem, good visibility, normal temp, clear, clam wind							
12121 = Problems, poor visibility, hot, overcast, moderate wind							
Updated Station description				<input type="checkbox"/> Attached		<input type="checkbox"/> Submitted later	
Station Location Sketch and Visibility Diagram				<input type="checkbox"/> Attached		<input type="checkbox"/> Submitted later	
Photographs of station				<input type="checkbox"/> Attached		<input type="checkbox"/> Submitted later	
Pencil Rubbing of mark				<input type="checkbox"/> Attached		<input type="checkbox"/> Submitted later	
Data File names (standard NGS format = aaaaddds.xxx Where aaaa = 4 character ID, ddd= day of year, s=session ID, xxx=file dependant extension							
Log Checked by		Printed Name:				Initials:	
Remarks, Comments on problems, sketches, pencil rubbings etc.							