NOTE: This form intended for field use. Unsolicited data submitted to NGS must be converted to bluebook format.

--> Click here to clear the sample data <--

GPS STATION OBSERVATION LOG
April 16, 2003

Station Designation: (check applicable: FBN ✔ CBN PAC SAC ✔ BM) BALD 2 RESET		Station PID, if any: QE2736	Date (UTC): 31 Dec 2002
General Location: Boiler Bay Wayside	Airport ID, if any: ---	Station 4-Character ID: BALD	Day of Year: 365
Project Name: Sample GPS, 2002	Project Number: GPS- 1234	Station Serial # (SSN): leave blank	Session ID:(A,B,C etc) A

NAD83 Latitude: 44° 49' 49.17802"
NAD83 Longitude: 124° 03' 56.23447"
NAD83 Ellipsoidal Height: -6.44 meters
NAVD88 Orthometric Ht.: 17.0 meters
GEOID99 Geoid Height: -23.52 meters

Agency Full Name: Oregon DOT
Operator Full Name: John Q. Surveyor
Phone #: ( ) (301) 713-3194
e-mail address: jqs@ordot.gov

Observation Session Times (UTC):
Sched. Start 12:00 Stop 17:30
Actual Start 11:55 Stop 17:32
Epoch Interval= 15 Seconds
Elevation Mask = 10 Degrees

Receiver Brand & Model: Leica SR530
P/N: p/n 667122
S/N: s/n 0030354
Firmware Version: Version 3.0
✔ CamCorder Battery, ❒ 12V DC, ❒ 110V AC, ❒ Other

Antenna Code*, Brand & Model: Trimble Choke Ring
P/N: p/n 29659-00
S/N: s/n 02200-63591
Cable Length, meters: 30 meters
Vehicle is Parked 25 meters N (direction) from antenna.

Antenna plumb before session?	(Y / N) ✔	Circle
Antenna plumb after session?	(Y / N) ✔	Yes or No
Antenna oriented to true North?	(Y / N) ✔	-If no,
Weather observed at antenna ht.	(Y / N) ✔	explain
Antenna ground plane used?	(Y / N) ✔	"
Antenna radome used?	(Y / N) ✔	If yes,
Eccentric occupation (>0.5 mm)?	(Y / N) ✔	describe.
Any obstructions above 10°?	(Y / N) ✔	Use
Radio interference source nearby	(Y / N) ✔	Vis. form

Tripod or Antenna Mount: Check one:
✔ Fixed-Leg Tripod, ❒ Collapsible-leg tripod ❒ Fixed Mount
Brand & Model: SECO
P/N: none.
S/N: 97-G
Last Adjustment date: 2002-11-01

Psychrometer (if used) Brand & Model:
P/N: Psychrodyne
S/N: J.Q.S.
Last Calibration or check Date:

** ANTENNA HEIGHT **	Before Session Begins: Meters	Feet	After Session Ends: Meters	Feet
A= Datum point to Top of Tripod (Tripod Height)	2.000		2.000	
B= Additional offset to ARP if any (Tribrach/Spacer)	-0.003		-0.003	
H= Antenna Height = A + B = Datum Point to Antenna Reference Point (ARP)				

Meters = Feet x (0.3048)
Height Entered Into Receiver = 2.000 meters.
Note &/or sketch **ANY** unusual conditions. Be **Very Explicit** as to where and how Measured!

Barometer (if used) Brand & Model: pretel altiplus A2
S/N: J.Q.S.
none.
01-Nov-02

Weather Data	Weather Codes	Time (UTC)	Dry-Bulb Temp Fahrenheit	Dry-Bulb Temp Celsius	WetBulb Temp Fahrenheit	WetBulb Temp Celsius	Rel. % Humidity	Atm. Pressure inches Hg	Atm. Pressure millibar
Before	00000	12:00	74.0		68.0		74	29.44	
Middle	00001	14:45	77.0		72.5		81	29.55	
After	00102	17:30	82.5		78.0		82	29.66	

Remarks, Comments on Problems, Sketches, Pencil Rubbing, etc:

Calculate

1. Winds, calm at start, gradually increased to 20 knots by end of session.

2. Semi-trailer parked 12 meters SSE of antenna from 15:17 to 15:32 UTC, possibly blocking satellites and causing multipath environment.

Weather codes are required. Weather data are optional but encouraged. *Antenna code comes from ant_info file furnished by project coordinator.

Data File Name(s): BALD365A.dat
(Standard NGS Format = aaaaddds.xxx)
where aaaa=4-Character ID, ddd=Day of Year, s=Session ID, xxx=file dependant extension

Updated Station Description:	✔ Attached	❒ Submitted earlier
Visibility Obstruction Form:	✔ Attached	❒ Submitted earlier
Photographs of Station:	✔ Attached	❒ Submitted earlier
Pencil Rubbing of Mark:	✔ Attached	

LOG CHECKED BY: JGE

Table of Weather Codes	CODE	PROBLEM	VISIBILITY	TEMPERATURE	CLOUD COVER	WIND
	0	did not occur	Good, over 15 miles	Normal, 32° F- 80° F	Clear, below 20%	Calm, under 5mph (8km/h)
	1	did occur	Fair, 7-15 miles	Hot, over 80°F (27 C)	Cloudy, 20% to 70%	Moderate, 5 to 15 mph
	2	- not used -	Poor, under 7 miles	Cold, below 32° F (0 C)	Overcast, over 70%	Strong, over15 mph (24km/h)
Examples:	00000 = No problem, good visibility, normal temp, clear, calm wind				12121 = Problems, poor visibility, hot, overcast, moderate wind	