BIPM GPS calibration information sheet

Laboratory:	Time and Frequency Laboratory - VMI
Date and hour of the beginning of measurements:	10-07-2001
Date and hour of the end of measurements:	03-08-2001

Receiver setup information

	Local:	**Portable: NML**
? Maker:	Allen-Osborne	Allen-Osborne
? Type:	TTR6	TTR6
? Serial number:	462	267
? Receiver internal delay (GPS) :	50 ns	
? Receiver internal delay (GLO) :		
? Antenna cable identification:	VMI IF	NML IF
Corresponding cable delay :	250 ns	234.5 ns ± 0.5 ns
? UTC cable identification:		
Corresponding cable delay :		7 ns
Delay to local UTC :	38	61 ns
? Receiver trigger level:		
? Coordinates reference frame:		
Latitude:	21 02 48.5460	21 02 48.2619
Longitude:	105 48 09.0600	105 48 09.6809
Height:	-04.02 m	-05.94 m

Antenna information

	Local:	**Portable:**
? Maker:	Allen Osborne	Allen Osborne
? Type:	TTR6	TTR6
? Serial number:		
If the antenna is temperature stabilised		
? Set temperature value :		

Antenna cable information

? Maker:	
? Type:	RG-58
? Is it a phase stabilised cable:	
? Length of cable outside the building :	~130 ft

General information

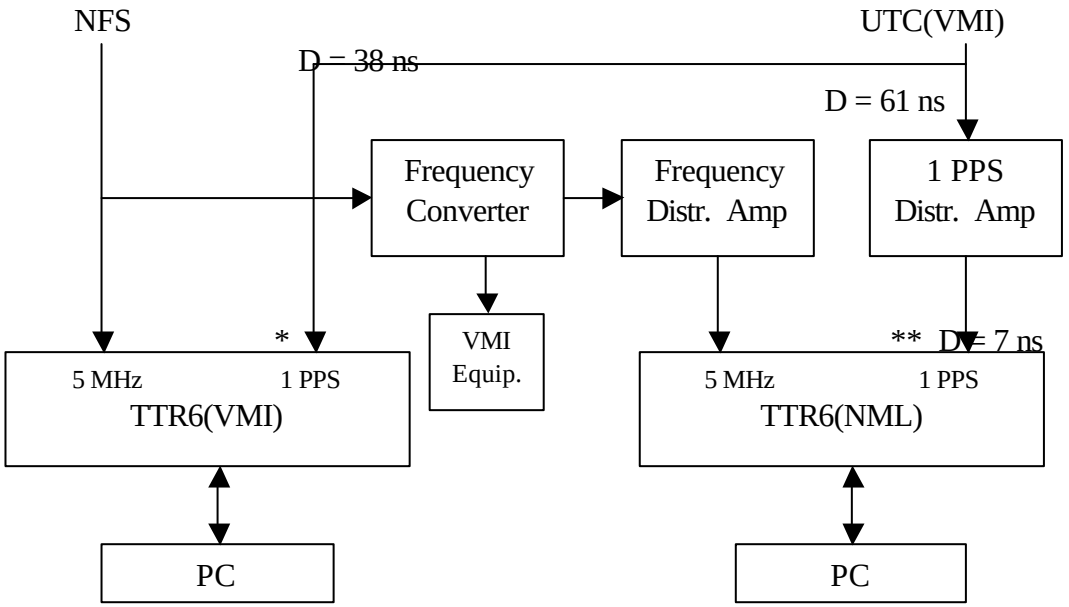
? Rise time of the local UTC pulse:	< 5 ns
? Is the laboratory air conditioned:	Yes
? Set temperature value and uncertainty :	23 ± 5
? Set humidity value and uncertainty :	no

Cable delay control

Cable identification	delay measured by NML	delay measured by local method
NML-IF Antenna cable	234.5 ns ± 0.5 ns	

Plot of the experiment set-up:

Link to the local UTC of both receivers and Antenna positions



Antenna positions:

VMI: Lat: 21 02 48.5460
Lon: 105 48 09.0600
Hei: -04.02 m

NML: Lat: 21 02 48.2619
Lon: 105 48 09.6809
Hei: -05.94 m

Description of the local method of cable delay measurement:

HP 53132 A configured as follows is used to measure the cable delay.