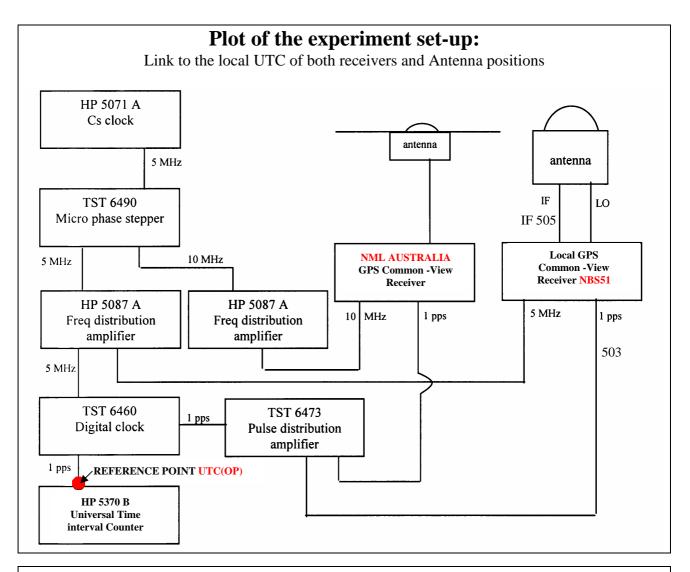
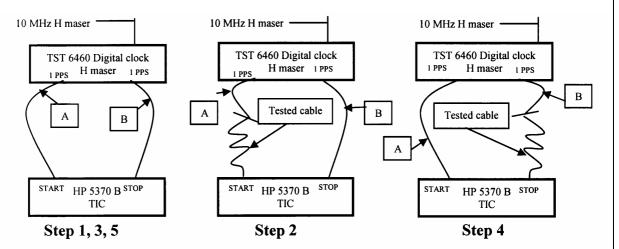
## **BIPM GPS calibration information sheet**

Laboratory:	Laboratory:		BNM – SYRTE , Observatoire de Paris	
Date and hour of the beginning of measurements:		2004/February/27 (MJD:53062) at 10h10 (UTC)		
Date and hour of the end of measurements:		2004/March/10 (MJD:53074) at 23h59 (UTC)		
Receiver setup information				
	Local:		Portable: NML	
Maker:	Allen Osborne Associates		Allen-Osborne	
• Type:	TTR – 5		TTR6	
• Serial number:	051		467	
• Receiver internal delay (GPS):	54 ns			
• Receiver internal delay (GLO):				
Antenna cable identification:	505 IF		NML IF	
Corresponding cable delay:	$168 \text{ ns} \pm 0.3 \text{ ns}$			
• UTC cable identification:	503			
Corresponding cable delay:	/			
Delay to local UTC:	304 ns		306 ns (D. Valat, email)	
Receiver trigger level:	0.5 V			
• Coordinates reference frame:	ITRF 88			
Latitude:	4 202 780 .30 m			
Longitude:	171 370 .03 m			
Height:	4 778 660 .12 m			
	Antenna in	formation	·	
	Local:		Portable:	
• Maker:	Allen Osborne Associates		Allen Osborne	
• Type:			TTR6	
• Serial number:			572	
If the antenna is temperature stabilised				
• Set temperature value : /				
Antenna cable information				
• Maker:				
• Type:		RG – 58		
• Is it a phase stabilised cable:		No		
• Length of cable outside the building:		Approximately 6 meters		
General information				
• Rise time of the local UTC pulse: 4 ns				
• Is the laboratory air conditioned:		Yes		
Set temperature value and uncertainty :		(21.5 ± 2) °C		
Set humidity value and uncertainty:		1		
Cable delay control				
0.11.11.101.11		red by NML delay measured by local method		
Cable identification	delay measu	rea by NML	delay measured by local method	







The method used to calibrate the cables is a double wheight method in five steps as shown above.

At each step (i) the TIC gives the result (R<sub>i</sub>)of 100 measurments.

The test cable delay is then obtained by the following formula:

Delay = 
$$\frac{R_2 - \left(\frac{R_1 + R_3}{2}\right) + \left(\frac{R_3 + R_5}{2}\right) - R_4}{2} + \text{corrections}$$

The corrections are the estimated delay introduced by adaptators: - 0,1 ns / adaptator