

## GPS Observation Log

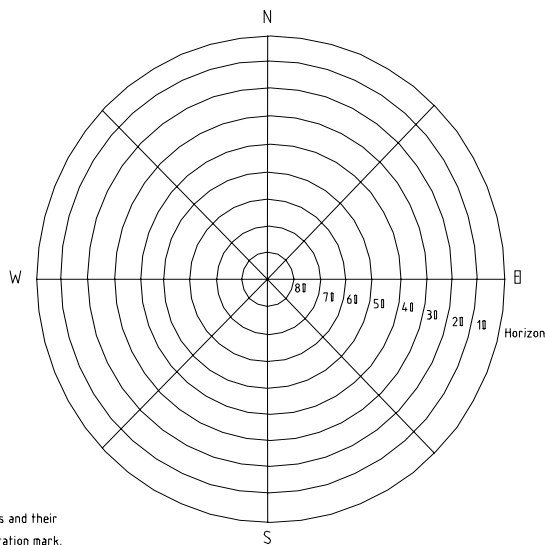
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LOCAL – UTC DAY OF YEAR \_\_\_\_\_

Local Time offset UT + \_\_\_\_\_

<b>Station Name</b> _____		<b>Station ID</b> _____		<b>Date</b> __/__/__	
<b>Location</b> _____		<b>City</b> _____		<b>Project</b> _____	
<b>Observing Monument Inscription and description</b> _____					
<b>GPS equipment:</b>	<b>Type</b>	<b>Model No</b>	<b>Serial No.</b>	<b>Receiver Operator</b> _____	
<b>Receiver</b>	_____	_____	_____	<b>Agency</b> _____	
<b>Antenna</b>	_____	_____	_____		
<b>Receiver Software and Version</b> _____				<b>Equipment used</b>	
<b>Collection rate</b> _____secs	<b>Elevation Mask</b> _____degs			<input type="checkbox"/>	Tribrach
<input type="checkbox"/> <b>Logging confirmed</b>				<input type="checkbox"/>	Tripod
<input type="checkbox"/> <b>Data downloaded</b>	Date __/__/__			<input type="checkbox"/>	240v AC and power converter
<input type="checkbox"/> <b>Backups made</b>	<input type="checkbox"/> Zip Disks	<input type="checkbox"/> Floppy	<input type="checkbox"/> Tapes	<input type="checkbox"/>	12v car battery
Disk/Tape	File Name (eg 123_DDDS.*)			<input type="checkbox"/>	Internal battery pack
1 _____	_____			<input type="checkbox"/>	External battery pack
2 _____	_____			<input type="checkbox"/>	_____
3 _____	_____				
File naming convention used: _____					
<b>Timing:</b>	<b>Local Time</b>	<b>Local Date</b>	<b>UTC Time</b>	<b>UTC Date</b>	<b>UTC Day</b>
<b>Actual Start Time</b>	_____	_____	_____	_____	_____
<b>Actual End Time</b>	_____	_____	_____	_____	_____
<b>Daily Session Number</b>	_____	<input type="checkbox"/>	Power Failure – started over with new Log		
Receiver Solution (record near end of session):					
UTC Time _____		Height (metres) _____			
Latitude _____		Longitude _____			
<b>Site Photographs/Sketch/Notes</b>					

## Antenna Sketch



Identify Obstructions and their distance from the station mark.

Station Name \_\_\_\_\_ Station ID \_\_\_\_\_ Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

### Antenna Setup & Height information:

Include a sketch of the antenna setup above. Show all mounting accessories (tripod, pillar, tribrach) as well as heights measured. (Record antenna type and model number on the obverse page)

Record the measured height above the ground mark to as many defined positions on the antenna as possible.

Indicate (tick) whether the height measurements are slant or vertical.

For slant measurements, include the horizontal offset distances to the centre of the antenna.

Record the antenna vertical offset, ie height of Phase centre above the Rinex Antenna Reference Point (ARP).

It is preferred to enter in the receiver the 'Rinex antenna height'. This is the vertical distance measurement, in metres, from mark to the Antenna Reference Point (ARP).

The 'Rinex' ARP varies from manufacture to manufacture and from model to model. The ARP is usually the bottom of the antenna pre-amp assembly. Check the manufacturer's specification.

Check-measure all height measurements in feet/inches.

### Height of Antenna:

Mark to Top of ground plane

Vert. Dist.

☐ \_\_\_\_\_ m

Slant Dist.

☐ \_\_\_\_\_ m

Horiz. Offset to Ant. centre

☐ \_\_\_\_\_ m

Mark to Bottom of ground plane

☐ \_\_\_\_\_ m

☐ \_\_\_\_\_ m

☐ \_\_\_\_\_ m

Mark to Bottom of choke ring

☐ \_\_\_\_\_ m

☐ \_\_\_\_\_ m

☐ \_\_\_\_\_ m

### **Mark to ARP**

Vertical offset ARP to L1/L2 Phase centre

\_\_\_\_\_ m

☐ **Height to ARP entered in receiver**

Mark to L1/L2 Antenna Phase centre

\_\_\_\_\_ m

☐ **True Vertical height entered in receiver**

>>> **Do not enter slant distance in Receiver** <<<

### Check measures: feet/inches

converted to metres

Height Hook used YES ☐ NO ☐

Height Rod used YES ☐ NO ☐

Local Weather: \_\_\_\_\_

Notes on access, unusual features etc: \_\_\_\_\_