

GNSS Single Static Session Field Observation Record				Project	
Registered PSM Number	Alternate Name (optional)	Mark Type	Start Date	/ /	
			Start Time	:	
Region/Location	Observer	Agency	Stop Date	/ /	
			Stop Time	:	
Receiver (if not combined ant/rec)	Antenna	Set (optional)	Local Time <input type="checkbox"/> or UTC <input type="checkbox"/>		
Type:	Type:		Elevation Mask	°	
S/N:	S/N:		Epoch Rate	S	
Raw GNSS Data Filename		Station Setup Checks		Before	After
<b>Antenna Height and Check</b>		Levelled & Centred		<input type="checkbox"/>	<input type="checkbox"/>
i. Measure slant height to designated Height Measurement Point (E.G R8 - centre of bumper, R10 - lever extension, AS10 - Leica Hook long/short).		Antenna Oriented North		<input type="checkbox"/>	<input type="checkbox"/>
ii. Measure check slant height to Bottom Antenna Mount (BAM). If BAM hard to sight, remove antenna and measure to top of adaptor.		External Power Connected		<input type="checkbox"/>	<input type="checkbox"/>
iii. Calculate $ARP = \sqrt{(mean\ slant\ height^2 - radius^2) + Ground\ Plane\ Offset}$ . Note that positive ground plane offset (E.G. R10 lever) is add, negative is subtract!		Power Still on at End		<input type="checkbox"/>	
iv. Check $ARP - BAM = \pm 0.005m$ . If check fails, redo height measurement. The calculated ARP height should be used and not the check BAM slant height.		Mark ID physically confirmed		<input type="checkbox"/>	
Height Measurement Point used:		<b>Common Antennas</b>	<b>Radius (m)</b>	<b>Ground Plane Offset (m)</b>	
i. Slant height to HMP		JAV Triumph 1 (Green Arrow)	0.0888	-0.0550	
ii. Slant Height to BAM (check)		LEI GS15 Viva (Bottom Ring)	0.0980	-0.1580	
iii. Calc ARP = $\sqrt{(\quad)^2 - (\quad)^2} +$		SEP Altus NR3 (Seam)	0.084	-0.035	
= $\quad +$		TPS Hiper_SR (Cnr Bottom Bumper)	0.0950	-0.0300	
ARP = $\quad$		TRM R6/R8 all models (Centre of Bumper)	0.091	-0.0552	
iv. ARP - BAM = $0.\quad m \leq \pm 0.005m?$		TRM R10 (Lever + Quick Release)	0.12	0.2000	
Check Height to HMP (after)		TRM R10 (Centre of Bumper)	0.059	-0.0960	
<b>Comments and Notes:</b>					