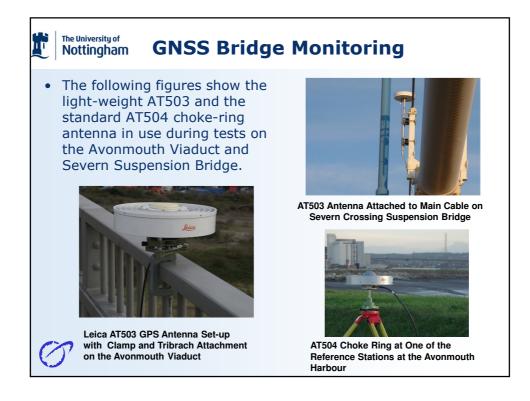
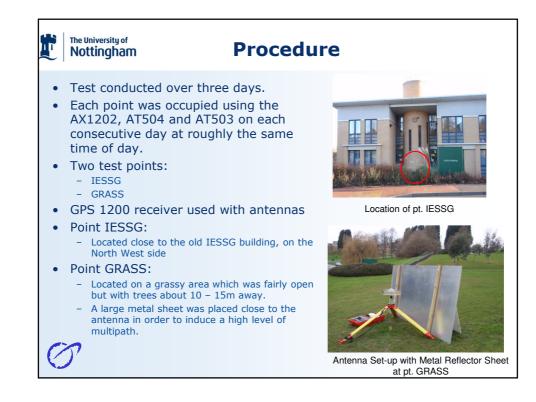
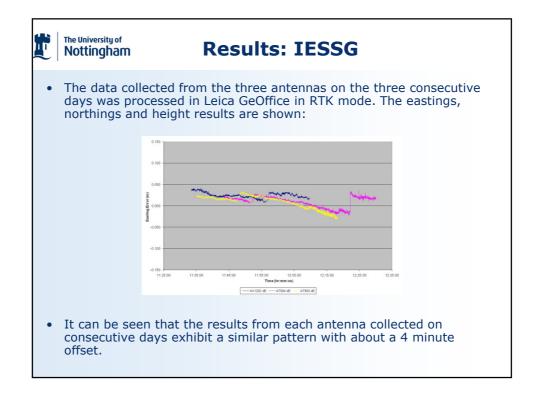
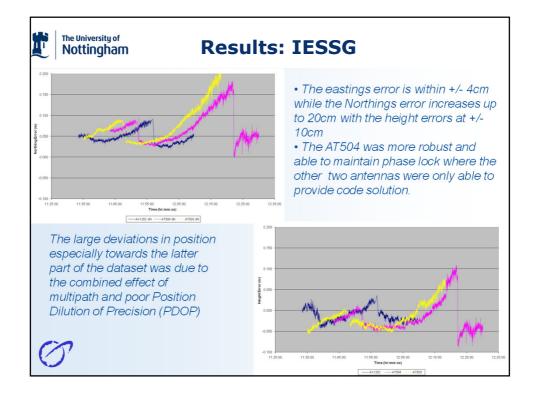


• Th	ree Antenna	s were tested	and their cha	aracteristics :	are diven
	elow:		and then end		
	Antenna Type	Design	Dimensions (dia x ht)	Weight	
	AX1202	SmartTrack+, Built-in ground-plane	170mm x 62mm	0.44kg	
	AT503 choke-ring	Dorne Margolin, JPL design	300mm x 75mm	2.45kg	
	AT504 choke-ring	Dorne Margolin, JPL design	380mm x 140mm	4.3kg	
mor The qua	re than 8 time aim of the te	es heavier tha est is to comp	ard AT504 cho an the AX120 pare the multi s with the star	2 antenna. path mitigat	ion

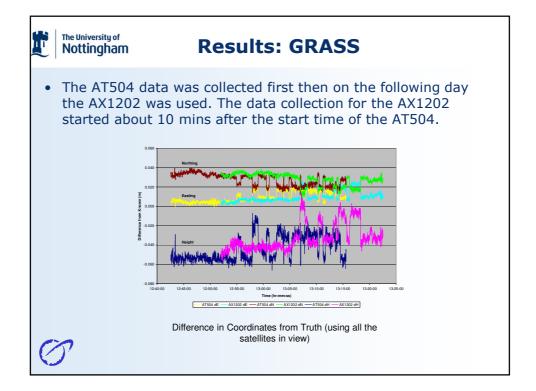


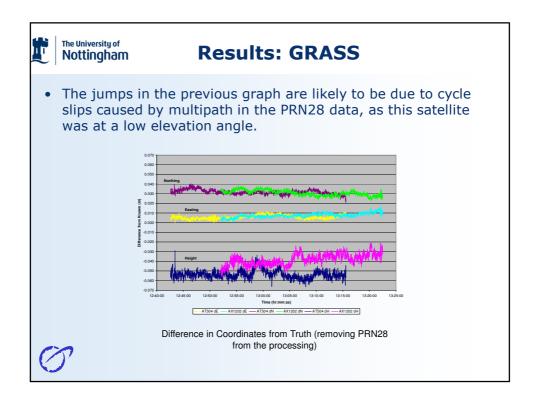






	1	AX1202		
	dE	dN	dH	The AX1202 has the
Mean Error	0.023	0.047	-0.011	smallest RMS error vector
2 SD	0.011	0.038	0.029	
RMS Error	0.024	0.051	0.018	Decourse the summer
RMS Vector	0.059			Because the summary
	AT504			statistic in the Table was
	dE	dN	dH	computed only for the period
Mean	0.017	0.050	-0.030	when a phase solution was
2 SD	0.010	0.036	0.030	· · · · · · · · · · · · · · · · · · ·
RMS Error	0.017	0.053	0.033	possible. It does not reflect
RMS Vector	0.065			the robustness of the AT504
		AT503		which can be seen in the
	dE	dN	dH	
Mean	0.019	0.050	-0.029	earlier Figures.
2 SD	0.005	0.018	0.013	
RMS Error	0.020	0.054	0.032	
RMS Vector	0.065			





The University of Nottingham	1	R	esul	ts: (GRA	SS	
Summary	of res	ults at	point	GRAS	S:		
		AT504			AX1202		
		dE	dN	dH	dE	dN	dH
	Mean	0.010	0.028	-0.044	0.010	0.028	-0.032
	2*SD	0.012	0.012	0.025	0.012	0.013	0.028
		AT504 w/o PRN28			AX1202 w/o PRN28		
		dE	dN	dH	dE	dN	dH
	Mean	dE 0.006	dN 0.032	dH -0.054	dE 0.008	dN 0.031	dH -0.038
	Mean 2*SD	dE	dN	dH	dE	dN	dH
	2*SD	dE 0.006	dN 0.032 0.005 ults at GR	dH -0.054 0.009	dE 0.008 0.005 noving PR	dN 0.031 0.006	dH -0.038 0.011

