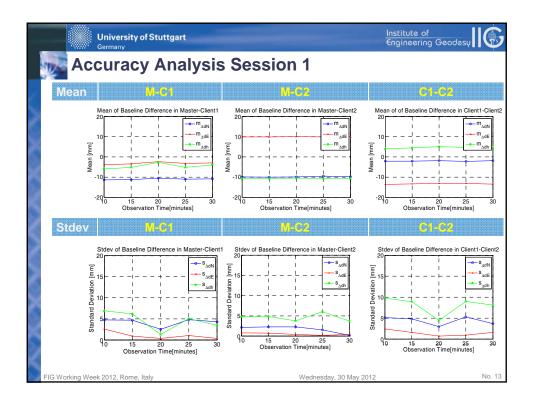


		Iniversity of Stuttgart ermany					Institute Enginee	of Fing Geo	odesy    🌀			
	Accuracy Analysis Session 1											
	Time	Session1	Mean [mm]			Standard Deviation [mm]						
	Interval	063310111	m∆dN	m∆dE	m∆dh	s∆dN	s∆dE	s∆dh	[%]			
2	10min	Master(p6)&Client1(p8)	-11.4	-3.8	-5.9	4.8	2.6	6.9	100.00%			
8	15min		-11.2	-3.5	-5.2	4.7	0.9	6.2	100.00%			
	20min		-10.5	-2.4	-2.7	2.5	0.4	1.3	66.67%			
-	25min		-11.0	-3.2	-5.2	4.8	1.0	5.0	100.00%			
	30min		-10.9	-3.0	-4.0	4.3	0.3	3.5	100.00%			
1	10min	Master(p6)&Client2(p7)	-9.9	9.9	-10.6	2.1	0.8	4.7	100.00%			
	15min		-10.0	9.9	-10.7	2.2	0.7	4.9	100.00%			
-	20min		-9.9	10.0	-10.5	2.2	0.4	3.7	100.00%			
	25min		-9.6	9.8	-10.6	1.5	0.2	6.0	100.00%			
	30min		-9.8	9.9	-10.6	0.2	0.4	3.7	100.00%			
	10min	Client1(p8)&Client2(p7)	2.1	13.6	-4.0	5.1	2.4	9.8	100.00%			
	15min		2.1	13.4	-4.4	4.8	1.6	8.9	100.00%			
-	20min		1.8	13.1	-5.0	3.0	0.7	4.5	100.00%			
	25min		2.2	13.1	-4.8	5.3	0.9	9.0	100.00%			
3	30min		1.9	13.5	-4.6	3.7	1.6	8.1	100.00%			
AN AVENUE	longer ob • quite re	• reproducibility (<1.2cm) and repeatability (<1cm) accuracy is not improved with onger observation time. • quite reliable, only one 20min time interval with float solution. • systematic errors? statistical significance t-tests $t = \frac{m_{\Delta dN}}{s_{\Delta dN}} / \frac{m_{\Delta dE}}{s_{\Delta dE}} / \frac{m_{\Delta dh}}{s_{\Delta dh}}$ vs. $t_{f.95\%}$										
F	FIG Working Week 2012, Rome, Italy Wednesday, 30 May 2012 No											



	University of Stuttgart Germany							Institute of Engineering Geodesy				
Accuracy Analysis Session 2												
	Time	Session2	Mean [mm]			Standard Deviation [mm]			Reliability			
	Interval		m∆dN	m∆dE	m∆dh	s∆dN	s∆dE	s∆dh	[%]			
5	10min	Master(p6)&Client1( <mark>p8</mark> )	-13.7	-3.7	-13.0	2.5	1.6	10.5	83.33%			
	15min		-14.3	-4.1	-15.4	2.1	2.4	7.0	75.00%			
	20min		-13.3	-4.3	-12.7	1.9	1.5	8.6	100.00%			
24	25min		-13.7	-4.8	-12.3	1.3	2.0	9.1	100.00%			
S.	30min		-13.7	-4.5	-13.3	1.0	2.4	9.5	100.00%			
2	10min	Master(p6)&Client2(p10)	-17.5	28.9	-9.8	2.4	1.2	7.9	83.33%			
	15min		-16.7	29.3	-7.8	0.3	0.8	5.6	75.00%			
4	20min		-18.0	28.8	-10.4	2.7	1.0	7.7	100.00%			
	25min		-17.6	28.8	-9.6	2.0	1.7	9.6	100.00%			
	30min		-17.7	28.9	-10.0	2.4	1.2	8.4	100.00%			
	10min		-5.3	33.6	-0.5	2.1	2.2	7.7	50.00%			
	15min		-4.6	32.4	-0.9	2.8	1.8	3.3	50.00%			
1	20min	Client1(p8)&Client2(p10)	-5.7	33.5	-2.4	0.9	1.5	3.6	66.67%			
	25min		-6.3	32.4	-1.7	0.3	3.1	1.2	100.00%			
5	30min		-6.5	32.3	-0.8	0.1	2.4	1.6	100.00%			
	repeatability •Unreliable i •systematic •Any change	bility (<3.5cm, worse that results for 10 and 15 min errors-> statistical signific e for the same baseline in $n_{\Delta dN1} - m_{\Delta dN2}, t = \frac{d_{\Delta dN}}{s_{d_{\Delta dN}}}$ /	mproved solution cance t-1 both se	d with lo s (beca tests esssions	nger ob use of s	servatio hadowi ?	on time.		,			

