























Results

• Day vs. Night Observations analyzing Fixed Solution by Quantity using Single Base Solution

FIG 左

		Day		Nig	ght	
Distance	Analysis	GIS Quality	Survey Quality	GIS Quality	Survey Quality	
Less than 30 KM	Count	11.00	11.00	36% Less	7.00	Fix Solution
	Average	5.82	42.00	5.22	19.14	Delay (Sec)
30 to 60 KM	Count	15.00	9.00	36% More	14.00	Fix Solution
	Average	5.00	61.22	5.80	37.07	Delay (Sec)
60 to 90 KM	Count	9.00	3.00	67% More	9.00	Fix Solution
	Average	4.00	142.00	4.18	92.67	Delay (Sec)
90 to 150 KM	Count	9.00	4.00	50% More	8.00	Fix Solution
	Average	4.44	106.25	5.13	108.50	Delay (Sec)
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						FIG
SUItS Day vs. Nigh Solution usin				· ·	by del	ay for a Fi
		D	ay	Niç	ght	
Distance	Analysis	GIS	Survey	GIS	Survey	
	-	Quality	Quality	Quality	Quality	
Less than 30 KM	Count	Quality 11.00	11.00	9.00	7.00	Fix Solution
Less than 30 KM	Count Average					Fix Solution Delay (Sec)
Less than 30 KM 30 to 60 KM		11.00	11.00	9.00	7.00	
	Average	11.00 5.82	11.00 42.00	9.00 55% Less	7.00	Delay (Sec)
	Average Count	11.00 5.82 15.00	11.00 42.00 9.00	9.00 55% Less 15.00	7.00 19.14 14.00	Delay (Sec) Fix Solution
30 to 60 KM	Average Count Average	11.00 5.82 15.00 5.00	11.00 42.00 9.00 61.22	9.00 55% Less 15.00 39% Less	7.00 19.14 14.00 37.07	Delay (Sec) Fix Solution Delay (Sec)
30 to 60 KM	Average Count Average Count	11.00 5.82 15.00 5.00 9.00	11.00 42.00 9.00 61.22 3.00	9.00 55% Less 15.00 39% Less 11.00	7.00 19.14 14.00 37.07 9.00	Delay (Sec) Fix Solution Delay (Sec) Fix Solution

Sults Day vs. Nig Quantity us					<u> </u>	Solution
		D	ay			
Distance	Analysis	GIS Quality	Survey Quality	GIS Quality	Survey Quality	
Less than 15 KM	Count	3	3	Same	3	Fix Solution
	Average	14.00	26.67	11.67	19.00	Delay (Sec)
15 to 30 KM	Count	5	5	Same	5	Fix Solution
	Average	5.20	58.40	10.20	18.40	Delay (Sec)
30 to 45 KM	Count	2		50% More	2	Fix Solution
	Average	2.20	4.80	1.80	9.40	Delay (Sec)
45 to 60 KM	Count	2	2	Same	2	Fix Solution
	-	T		· <u> </u>		·

						FIG
SUItS Day vs. Nigh Delay using				· ·	Fixed	Solution b
		D	ay	Nig	ght	
Distance	Analysis	GIS Quality	Survey Quality	GIS Quality	Survey Quality	
Less than 15 KM	Count	3.00	3.00	3.00	3.00	Fix Solution
	Average	14.00	26.67	29% Less	19.00	Delay (Sec)
15 to 30 KM	Count	5.00	5.00	5.00	5.00	Fix Solution
	A.v.a.ma.m.a				\sim	
	Average	5.20	58.40	69% Less	18.40	Delay (Sec)
30 to 45 KM	Count	2.00	1.00	69% Less 2.00	18.40 2.00	Delay (Sec) Fix Solution
30 to 45 KM	-		\sim			• • •
30 to 45 KM 45 to 60 KM	Count	2.00	1.00	2.00	2.00	Fix Solution

Res		ts								FIG	*	
Data	i Ret	rieve	d After	⁻ Obser	vations	s at	NGS F	Point	F-1	004		
	NGS Published Measurements											
	Northing Easting Elev Ellip. Elev. GH											
	268.639.866 169.895.721 6.074 -37.583 -43.98							.980				
	RT Da	ta (sec)		Day Ob servations					Analysis			
Base	GIS	Survey	Baseline	Northing	Easting	E lov .	Ellip.Elev.	ΔN	ΔE	ΔE	ΔEΠip.	
PRMG	6	NA	53,802.254	268,639.728	169,895.865	6.363	- 37.613	0.138	-0.144	-0.289	0.030	
PRMI	4	NA	63,665.462	268,639.939	169,895.938	6.210	- 37.766	-0.073	-0.217	-0.136	0.183	
PRVE	5	18	50,422.836	268,639,969	169,895.723	6.470	- 37.506	-0.103	-0.002	-0.396	-0.077	
PRCG	4	NA	75,856.603	268,639,876	169,895.374	6.835	- 37.140	-0.010	0347	-0.761	-0.443	
NET	3	47	Net Adj.	268,639.893	169,895.729	6.379	- 37 - 597	-0.027	-0.008	-0.305	0.014	
								_				
	RT Data (sec) Night Observations									Analysis		
Base	GIS	Survey	Baseline	No rifeing	E-setting	E lev .	Ellip. Elev.	ΔN	A E	ΔE	A EIH.	
PRMG	4	12	53,802.244	268,639,884	169,895.748	6.369	- 37.606	-0.018	-0.027	0.023	0.023	
PRMI	2	113	63,665.270	268,639,864	169,895.701	6.302	- 37.674	0.002	0.020	0.091	0.091	
	2	13	50,422.746	268,639,880	169,895.737	6.359	- 37.616	-0.014	-0.016	0.033	0.033	
PRVE								0.04	0.026	-0.096	-0.096	
PRVE PRCG	2	NA	75,856.338	268,639,908	107,872.002	6.489	- 37.487	-0.041	0.0.20	-0.0.20	-0.090	



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