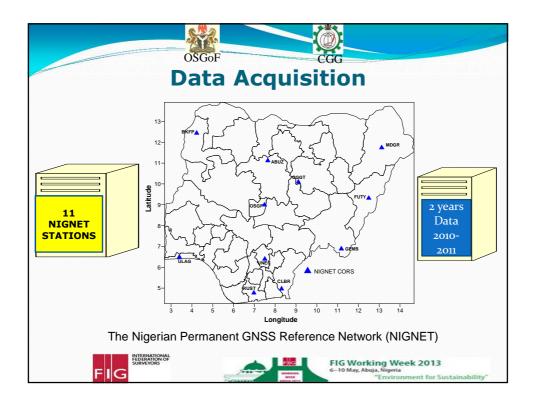
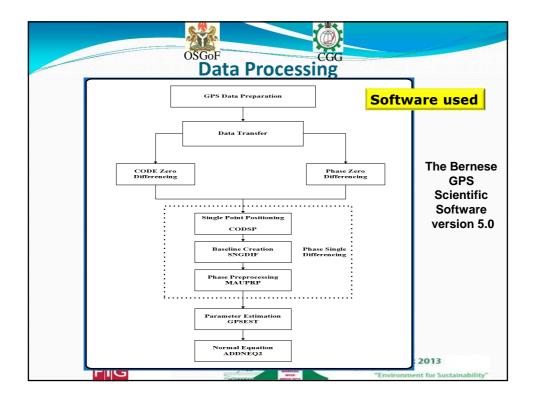
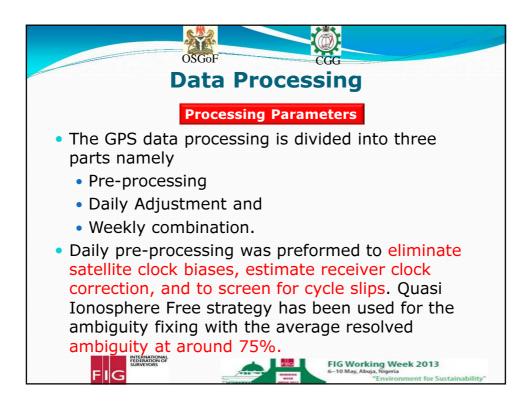


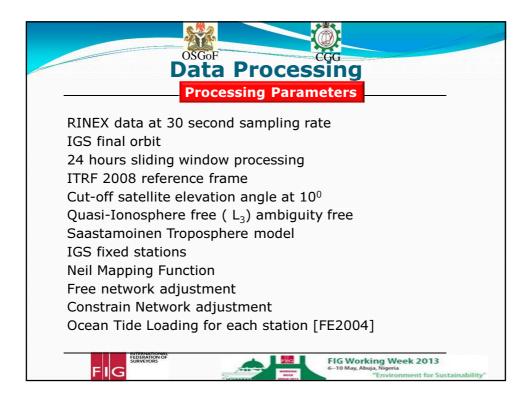
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Station ID	Station location	STATIO		Apro. Long (N)	Ellipsoidal Height (m)
Station ID	Station location	Country	ONS		
		STATIO	Appro. Lat (N)	Apro. Long (N)	Ellipsoidal Height (m)
HARB	Pretoria	Country Republic of south Africa	Appro. Lat (N) -25 ⁰ 53' 12.84''	Apro. Long (N) 27 ⁰ 42' 27.00''	Ellipsoidal Height (m) 1555.0000
HARB NKLG	Pretoria Libreville	Country Republic of south Africa Gabon	Appro. Lat (N) -25° 53' 12.84'' 00° 21' 14. 04''	Apro. Long (N) 27 ⁰ 42' 27.00'' 09 ⁰ 40' 16.56''	Ellipsoidal Height (m) 1555.0000 31.4800
HARB NKLG RABT	Pretoria Libreville Rabat	Country Republic of south Africa Gabon Morocco	Appro. Lat (N) -25° 53' 12.84'' 00° 21' 14. 04'' 33° 59' 53.16''	Apro. Long (N) 27 ⁰ 42' 27.00'' 09 ⁰ 40' 16.56'' 353 ⁰ 08' 44.52''	Ellipsoidal Height (m) 1555.0000 31.4800 90.1000
HARB NKLG RABT RBAY	Pretoria Libreville Rabat Richards bay	Country Republic of south Africa Gabon Morocco South Africa	Appro. Lat (N) -25° 53° 12.84° 00° 21° 14. 04° 33° 59° 53.16° -28° 47° 43.80°	Apro. Long (N) 27 ⁰ 42' 27.00'' 09 ⁰ 40' 16.56'' 353 ⁰ 08' 44.52'' 32 ⁰ 04' 42.24''	Ellipsoidal Height (m) 1555.0000 31.4800 90.1000 31.7927
HARB NKLG RABT RBAY SUTH	Pretoria Libreville Rabat Richards bay Sutherland	Country Republic of south Africa Gabon Morocco South Africa South Africa	Appro. Lat (N) -25° 53' 12.84'' 00° 21' 14. 04'' 33° 59' 53.16'' -28° 47' 43.80'' -32° 22' 48.72''	Apro. Long (N) 27 ⁰ 42' 27.00'' 09 ⁰ 40' 16.56'' 353 ⁰ 08' 44.52'' 32 ⁰ 04' 42.24'' 20 ⁰ 48' 37.80''	Ellipsoidal Height (m) 1555.0000 31.4800 90.1000 31.7927 1799.7659
HARB NKLG RABT RBAY SUTH CAGZ	Pretoria Libreville Rabat Richards bay Sutherland Capoterra	Country Republic of south Africa Gabon Morocco South Africa South Africa Italy	Appro. Lat (N) -25° 53' 12.84'' 00° 21' 14. 04'' -28° 47' 43.80'' -32° 22' 48.72'' 39° 08' 09.24''	Apro. Long (N) 27 ⁰ 42' 27.00'' 09 ⁰ 40' 16.56'' 353 ⁰ 08' 44.52'' 32 ⁰ 04' 42.24'' 20 ⁰ 48' 37.80'' 08 ⁰ 58' 22.08''	Ellipsoidal Height (m) 1555.0000 31.4800 90.1000 31.7927 1799.7659 238.0000

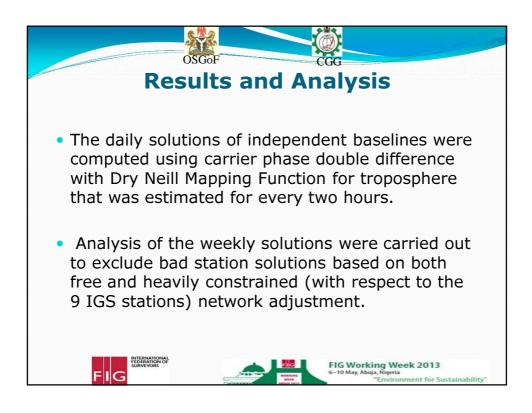


GPS Campaigns												
Year	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2010	\checkmark	V	V	V	V	\checkmark	V	V	V	V	\checkmark	V
2011	\checkmark	\checkmark	V	V	V	V	V	V	V	\checkmark	\checkmark	V
2010 session	19	28	31	30	31	30	31	31	30	31	30	31
2011 session	31	28	31	30	31	30	31	31	30	31	30	31

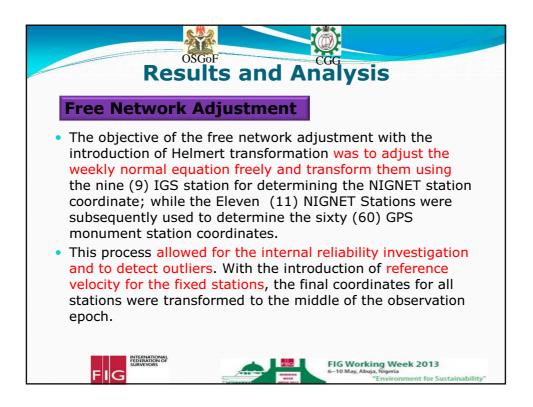




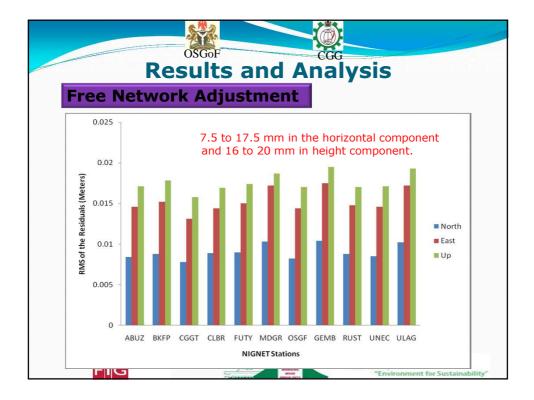


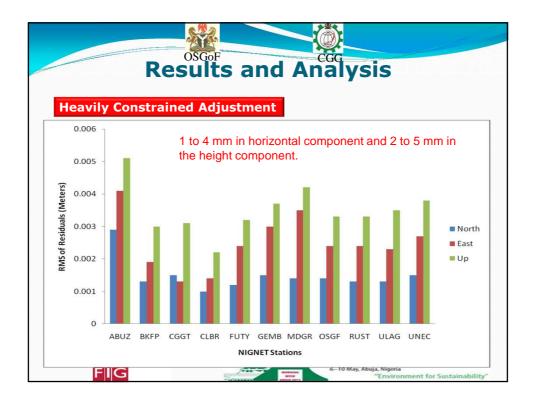






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rree	Network A	laju	stment				
Program	n : HELMR1 e : Helmert Transfo	rmatio	Be	ernese GPS	softwa	re ve	ersion 5.0
Campaid	: 21-Aug-2012 16:		De	efault ses ser name	sion: 2	280	year 2012
FILE 2: TRANSFO RESIDUA	FEBRUARY 2010 CAM ITRF2008 FOR GPS DRMATION IN EQUATOR LS IN LOCAL SYSTEM NAME	IAL SY (NORT	STEM (X, Y, Z): H, EAST, UP)			1	-
1 2 3 4 5 6	HARB MASI NKLG NOT1 RABT	1нннн 833333	-0.0160 0.0003 -0.0001 0.0000 0.0013 0.0000 0.0013	0.0004 0.0004 0.0008 - 0.0393 0.0009 -	0.0178 0.0004 0.0013 0.0008 0.0272 0.0009	ŵ	
1	RMS / COMPONENT	1	0.0002	0.0008	0.0011	1	I
PARAMET TRANSLA TRANSLA	ATION IN X : ATION IN Y : ATION IN Z : IN AROUND X-AXIS: IN AROUND Y-AXIS: N AROUND Z-AXIS:		010 M -0.0405 +- 0.000 -0.0755 +- 0.000 -0.0529 +- 0.000 0.00097 +- 0. 0.000218 +- 0. 0.000218 +- 0.	41 M 27 M .00004 " .00010 " .00015 "		IGS	Stations
			-0.0034 +- 0.	.0002 MM/K			





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Fre	e Network Adjustment	ve	rsus	He	avily C	onstr	ained Adjust	tment	
NUM	I NAME	1	FLG	1		RESID	UALS IN ME	TERS	1
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	ABUZ		II	1		0003		0.0000	1
	BKFP		II	1		0003			1
	I CGGT		II	1		0002			1
	CLBR		II	1		0000		0.0004	
	FUTY		II	1		0003		0.0002	
	MDGR		II			0001	0.0005	-0.0002	
	OSGE		II			0001	0.0000	-0.0002	
	BUST		TI			0000		-0.0003	
	ULAG		ÎÎ			0000	0.0001		
	UNEC		II	- i -		0000	0.0000	-0.0001	
	i	î.		i i					i i
	RMS / COMPONENT	1		1	ο.	0002	0.0002	0.0003	1
UMBE	R OF PARAMETERS : R OF COORDINATES : F TRANSFORMATION :		7 33 0.0		2 M	The t	wo coordina	ites set fits	nicel
ARAM	ETERS:								
RANS	LATION IN X : LATION IN Y : LATION IN Z :			-0	0.0018	+- 0	.0011 M .0015 M		
	ION AROUND X-AXIS:		0		0.000				
	ION AROUND Y-AXIS:	-	0		0.000				
	ION AROUND Z-AXIS:	-	0		0.000		0.00005		
CATE	FACTOR :				0.000	1 +-	0.0002 M	M/KM	

