













	National Geodetic Survey
NGS Home About NGS D	ata & Imagery Tools Surveys Science & Education Seal
	OPUS Projects gives users web-based access to simple management and processing tools for projects involving multiple site
	🄲 Scanning Project 🄲
	Your project is being scanned and web page prepared. This is a normal operation, but may take a few moments to several minutes depending upon the size of the project and the number of changes. Website Owner: National Geodetic Survey / \$Revision: 61114 \$Created: 2010-12-13
Tools/OPUS Menu Upload	Session Project Ideminier:
About OPUS OPUS Projects Published Solutions	Session Keyword:
< back	Manage, edit, process, and publish the project. Manage Project Identifier: [hrdb86fc] Manager Keyword: [ff5d3zmu]
The project	is always scanned for changes when accessed so the



































































	Results From AL	L SESSION SOLUTIONS	-			
/	Controls	e MARKS: O mee		Save Cha	nges and Close	
	<u> </u>   ←   Ω	Baselines:				
	Preferences	+ Marks Ma	Project Title, ID and Keywords A project title, ID and keywords are required.	The project title ca	n be almost any string, b	ut brevity is recommended. On the oth
	Project List	Natchez	hand, the ID and keywords have restrictions: The project ID must be unique to your proj	ect.		
	Design	N Z B	<ul> <li>The ID and keywords are not case sensiti The ID and keywords can not cast be more</li> </ul>	e. then eight chore	toro	
	Serfil	Itherine Jational & Hom	The ID and keywords can <u>not</u> contain letter	rs, numbers, the	dash and underscore ch	aracters.
1	Solutions	Refuge Nationa	IFC Project Title: my project @ 2006-10	-01		
X	Show File	53000	Project ID: hrdb86fc	Confirm:	hrdb86fc	
	Send Email		Manager Keyword: ff5d3zmu	Confirm:	ff5d3zmu	
N I	Satur	2	Session Keyword: d_ssvk68	Confirm:	d_ssvk68	
	Adjustment	23	CC Manager Emails			
	Postow and		Copies of emails created by and sent to you	rom the project ca	n be sent to others auto	matically.
1	Publish	Zachaou	CC Manager Emails To:			
	Delete Project	hafalaya Raton	Add To CCL ist			~
	Deleterroject	e Refuge Rouge	Remove From CCL ist NONE	1		
		Highlands/	Remote the Rente	1		
12		Perkins	Data & Solution Quality Thresholds	ults that do not m	Data Processing D These are the defa	efaults uts used in data processing. They can
1 /		Plaquemine	the quality preferences for your project.		be changed on a ca	ase-by-case basis during processing
		1 1 21 . 2	Precise Ephemeris: Best	vailable	v setup.	
		a Lake Fausse Pointe State Park	Minimum ARP Height (m): 0.000		Output Ref Frame:	LET OPUS CHOOSE
		• Jeanerette	Maximum ARP Height (m): 3.000		Output Geoid Mode	LET OPUS CHOOSE
		J Kar	hib Minimum Observations Used (%): 80.0		GNSS: Trong Model:	G (GPS-only)
		Morgan	Minimum Ambiguities Fixed (%): 80.0 Sity Maximum Solution RMS (m): 0.025		Tropo Interval (s):	7200
		POWERED BY	Maximum Height Uncertainty (m): 0.060		Elevation Cutoff (de	g): 15.0
		Google 20 km	Maximum Latitude Uncertainty (m): 0.030		Constraint Weights	<ul> <li>LOOSE          NORMAL         O         TIGHT         USER         O         CORS         MST         O         TIGHT         </li> </ul>
		Sonniors 9 St	Maximum Longitude Uncertainty (m): 0.030			
		Justituti de se				
ne r	prefere	nce contr	ols were explore	ed in :	Step 1 :	Creating a
roje	ect.					
	2137 🔘	0	C access these preferences.		adjustment results	to access these preferences.
	Transmiss .		0		_	
	2139	0	Minimum Data Duration (c): 1800		Group By C Mark	D @ Position







	ALL SESSION SOLUTIONS		
Controls	s 🗧 MARKS: O meet preference	es 🕲 do not meet preferences 😵 are not included	have error     MARKS
? ←	CORS: * meet preference	es 🎯 do not meet preferences 🔮 are not included	2123
	Baselines.		0 2126
Preference	45 + Marks Marks&CORS	- Map	Satellite Terrain 2137
Project Lis	Natchez	Brookhaven	street man 2139
Design			Succession of the second secon
Semi	ational & Homoshito		
Solutions	Nana Mana	ge Solutions for "my project (	@ 2006-10-01"
Show File		50 Solutions for my project (	0 2000-10-01
Send Ema	ail		
Satur			
Adjustmer	nt 🔝 🤶 🗘	Apply Changes and Close	×
	A SOLUTION identifier must	A SOLUTION identifier must not	A SOLUTION identifier should:
Review an Publish	nd 🔰 < 🔹 be unique within this proje	ect. • contain a forward- or backward-slash, e.g. "/" o	r "\". • be as simple and brief as possible.
	<ul> <li>be 1 to 30 characters in le</li> </ul>	ngth.	
Delete Proj	ject ational SESSION SOLUTIONS		
	Rename as 2006-274-A	Confirm: A	Delete:
	Rename as 2006-275-A	Confirm: A	Delete:
	Rename as 2006-275-B	Confirm: B	Delete:
	Rename as 2006-276-A	Confirm: A	Delete:
	a Rename as 2006-276-B	Confirm: B	Delete:
	Rename as 2006-277-A	Confirm: A	Delete:
	ojet		
	NETWORK ADJUSTMENTS		
	1	W1.5.0	
		Website Owner: National Geoder	tic Survey / SRevision: 6/130 SCreated: 2012-12-1
	POWES		
	GC NOSHome • NGSEr	nployees • Privacy Policy • Disclaimer • USA.gov • Ready	.gov • Site Map • Contact Webmaster



Controls	CORS:   MARKS:  Mark bit of the set preferences  and on the preferences  and o
Preferences Project List	0 2120
Design	Hap Satellite Terrain     2137     Natchez     Broothaven     Show street map     Show street map
Serfil Solutions	renta "my project @ 2006-10-01" Email
Show File Send Email Set up	Send Email
Adjustment Review and Publish	To: I Me All Processors   All Field Members  OPUS Projects Team
Delete Project	Subject: "my project @ 2006-10-01"
H	Attach: Session Solution • 2006-271-A - Summary (Summary (MLL) Processing Log SNEX Senti - G-File (Go) - G-File (Vec)
	a A Lake F. Message: - Jeanert
	Google Website Owner: National Geodetic Survey / SRevision: 00817 Screated: 20

















![](_page_28_Figure_2.jpeg)

![](_page_28_Figure_3.jpeg)

![](_page_29_Figure_2.jpeg)

![](_page_29_Figure_3.jpeg)

![](_page_30_Figure_2.jpeg)

![](_page_30_Figure_3.jpeg)

![](_page_31_Picture_2.jpeg)

![](_page_31_Figure_3.jpeg)

Wanspir's Pape         Manspir's Pape         Show File         Send Email         Change Mark ID         Werdy For         Verdy For         Description         PD         stammary X: 333 1986         stamary X: 334 1987         stammary X: 33	Map Satellie Terrain Map Satellie Terrain Map Batellie Terrain
Send Email     Noticere Rg       Change Mark D     Noticere Rg       Remove Mark     Code       Work For     Code       Code     200 m       Beccrption     Beccrption       PD     Stamping*       K 383 1966       name*     K 333 3966       type*     R = Rod       I = Metal rod     Fed Meters       Setting*     98 - Stamines steel rod without sleeve (10TH or 3.048K+)       setting*     19 - Stamines steel rod without sleeve (10TH or 3.048K+)       descrption     THE MARK 15 OH THE LEFT. IT IS 16.3 METERS (53.5 TT) NORTH OF THE	Lap data 62013 George - Terms of U Lap data 62013 George - Terms of U Upload A Photo Cose up View
MARK         2139 •         Datasheet Mock-up           Description         PID	Upload A Photo Save Description
Description           PBD           Stamping:           K 383 1986           name*           K 383 1986           tipe*           R = Rod           I = Mecal rod           Rod Depth*[10.9]           Genet with the state steel rod without sleeve (10FT+ or 3.0485H)           specific setting           description           THE MARK IS ON THE LEFT. IT IS 16.3 METERS (53.5 FT) NORTH OF THE CARD AND	Close up View
PD         stamping*         K 353 1996           name*         K 353 1996         name*           Maxwell         Rod Depth*:         Interference           Rod Depth*:         Interference         Feet @ Meters           setting*         49 = Stainless steel rod without sleeve (10FT+ or 3.048k+)           specificating         Interference         Interference           description         THE MARK IS ON THE LEFT. IT IS 16.3 THETERS (53.5 TT) NORTH OF THE THETERS	
stamping" [K 35 1966 name" (K 35 1966 type" [R = Rod Rod Deptr:[ <u>10.9</u> ] Fed @ Meters setting" 49 = Stainless steel rod without sleeve (10FT+ or 3.048K+) description" [THE MARK IS ON THE LEFT. IT IS 16.3 MEIERS (53.5 FT) NORTH OF THE	
name" [K 33 1966 type" [R = Rod I = Metal rod Rod Depth".[ <u>0.9</u> ] feet @ Meters setting" 49 = Stainless steel rod without sleeve (10FT+ or 3.046M+) specific setting description" THE MARK IS ON THE LEFT. IT IS 16.3 METERS (53.5 FT) NORTH OF THE suprements of a set the set of a set there on a ret were ret of a set.	
type:         N = Kool           Rod Depth":         [10.9]           Setting?         49 = Stainless steel rod without sleeve (10FT+ or 3.045K+)           specific setting         100 million           description*         THE MARK 15 ON THE LEFT, IT IS 16.3 METERS (53.5 TT) MORTH OF THE WARK 05.6 ST THE OF THE WARK OF A ST THE OF THE THE OF A ST THE OF THE O	
I = Metal rod Rod Depth":[10.9	
NOG UPDRTIDLO.9 Pred & Meders setting" 49 = Stainless steel rod without sleeve (10TF+ or 3.048M+) specific setting description" THE MARK IS ON THE LEFT. IT IS 16.3 METERS (5.5 FT) NORTH OF THE structure of a control of the structure of the structure of a control of the structure of a control of the structure of the struc	
<pre>setmo; 19 = 0.5allies steel rod without sleeve (10FT+ 0F 3.048M+) specific setmo; description* THE MARK IS ON THE LEFT. IT IS 16.3 METERS (53.5 FT) MORTH OF THE construction of a construction of a construc</pre>	
description' THE MARK IS ON THE LEFT. IT IS 16.3 METERS (53.5 FT) NORTH OF THE	Contraction and the second s second second secon
100 dearning and the set of th	CENTERLINE OF TE WITH BUTORD Horizon View A CHRIN LINK AR. THE MARK IS OHWAY 190.
hange MARK ID" enables you to char s case, to another four character stri	nge the mark's ID, 213 ng.
condition o Good condition Poor disturbed, mutilated, requires maintenance * required fields	

![](_page_32_Figure_3.jpeg)

	Controls	MARK 2139 -		Project	Marks,	Project CORS	Published Marks,	
	anager's Page Show File	+ This Mark All Marks Ma	arks&CORS - Obee Stevens Rd Robert Rd	nez Rd	}.	Maj Parkway Bivd	Satellite Terrain	
	Send Email hange Mark ID Remove Mark Verify For Publication	N Oschner / Coogle 1200 m	Rd S Octomer In Contract	¥	Tunnent	Treels Cr Map dat	Contraction of Use	
MAR	RK 2139 - C	atasheet Mock-up				Upload A F	Photo Save Description	
De	scription					Close-up View		
PID								
star	nping* K 3	83 1986						
nam	ie* K 3	83 1986					IK-1 BEDE	
type	* R =	Rod					NO.	
	I -	Metal rod						
	Rod I	Depth*: 10.9				2.1012		
sett	ing* 49	= Stainless steel rod without	t sleeve (10FT+ or 3.0	048M+)				
	spec	ific setting					State State State	
des 474 c (\$00	cription <sup>*</sup> THE hars U.S chars max) ABO' NOR FEN 0.3	MARK IS ON THE LEFT. IT IS 1 . HIGHWAY 190, 9.8 METERS (32 VE II, 7.1 METERS (23.5 FT) W H OF A POWER POLE NUMBER 15 CE. NOTEACCESS TO DATUM POI 0 METERS N FROM A WITNESS FOS	<pre>A6.3 METERS (53.5 FT) A.3 FT) WEST OF THE CE HEST OF THE WEST GATE AND 0.45 METERS (1.5 NT IS HAD THROUGH A 5 ST THE MARK IS ABOVE L</pre>	NORTH OF THE CEN NIER OF A GATE N POST, 1.0 METER: FI) NORTH OF A ( -INCH LOGO CAP. EVEL WITH HIGHW	TERLINE OF NITH BUFORD (3.5 FT) CHAIN LINK THE MARK IS AY 190.	Horizon View		
The " remo	Verif <sup>,</sup> ved i	y For Publicat n the near fut	ion" contr :ure.	ol is de	preca	ited an	id will be	
con	dition o Gi	and condition Poor, disturbed, multilater	d, requires maintenance					
* re								

Description 10 10 10 10 10 10 10 10 10 10 10 10 10	Close-up View
10 kanpian K 383 1986 kanpian kanpi kanpian kanpian ka	
tamping" K 383 1986 ame" K 383 1986	The second se
ame* K 383 1986	
rpe* R = Rod	
I = Metal rod	
Rod Depth*: 10.9   Feet   Heters	
etting* 49 = Stainless steel rod without sleeve (10FT+ or 3.048M+)	
specific setting	and the second second
<pre>secretion: THE MARK IS ON THE LEFT. II IS 16.3 METERS (53.5 FT) NORTH OF THE CENTER LINE (Marma U). HIGHWAY 190, 94 METERS (33.5 FT) WEST OF THE CENTER OF A GATE WITH BUTO 20 Damma MARK STATES (33.5 FT) WEST OF THE KENTER OF A GATE WITH BUTO ABOVE II, 7.1 METERS (3.5 FT) WEST OF THE WEST GATE POST, 1.0 METERS (3.5 FT) MORTH OF A POWER POLE NUMBER IS ADD 0.45 METERS (1.5 FT) NORTH OF A CALINI LIN FENCE. NOTEACCESS TO DATUM FOINT IS HAD THROUGH A 5-INCH LOGO CAP. THE MARK 0.30 METERS N FROM A WITNESS POST THE MARK IS ABOVE LEVEL WITH HIGHWAY 190.</pre>	Horizon View Is
tability B = Monument will probably hold position well	
magnetic I = Marker is a steel rod	
pplication no selection	
ondition   Good condition  Poor, disturbed, mutilated, requires maintenance	
required fields	
ARK 2129 - Occupations	Manage Data Files Save Occupations
	Cure Occupations
ATATILE SPAN NAME Start 2006-10-0720-0730 GPS Antenna Model: TDMS5871-00 MOMP OB	Height (m):
1392750.060 End 2006.10.03701:16:30 GPS Receiver Model: TRIMPLE VETRE SOL	624K01583 Firmware:
ACCOUNT OF A COUNT OF	

MARK 2139	Datasheet Mock-up Upload A Photo Save Description
Description	Cluse-up View
PID	
stamping*	X 383 1986
name*	x 383 1986
type*	R = Rod
	I = Metal rod
	Rod Depth*: 10.9 Feet @ Meters
setting*	49 = Stainless steel rod without sleeve (10FT+ or 3.048M+)
	specific setting
474 chars (500 chars max)	U.S. HIGHNAY 190, 9-8 METERS (32.3 FT) WEST OF THE CENTER OF A GATE WITH BUTCHD HARVE IT, T. HURTERS (33.5 FT) WEST OF THE KEST GATE POST, 1.0 METERS (3.5 FT) NORTH OF A FORER FOLE NUMBER 15 AND 0.45 METERS (1.5 FT) NORTH OF A CHAIN LINK FERCE. NOTE-ACCESS TO BUTWN HOINT IS RAID INFRUOHA A SINCH LOGO CAT. THE MARK IS 0.50 METERS N FROM A WITNESS FOST THE MARK IS ABOVE LEVEL WITH HIGHNAY 190.
stability	B = Monument will probably hold position well
magnetic	I = Marker is a steel rod
application	no selection
condition	Good condition      Poor, disturbed, mutilated, requires maintenance
* required fie	ds
MARK 2139	Occupations     Manage Data Files     Save Occupations
DATATILL	37301 0000000000000000000000000000000000
2139275u.06	End 2006-10-037011/b/30 GPS Review Model: THEFTER INTERES SN: 4524K01583 Firmware:
In additi label for	on to controls specific to this section on the right, the this section includes another pull-down menu to

	Оссі	ира	tions table	e list	s ir	nformation a	abo	out the d	lata fi	les for				
าเร	mar	K. N	ote that t	ne a	nte	enna serial r	nur	nber and	i rece	iver				
nfo	rmat	ion	are not re	equi	red	and often l	eft	blank. F	lowe	ver, thi				
nfo	rmat	ion	is capture	ed in	bli	uebooking a	anc	l, so, ma	v be					
000	0000	w fo		hind	÷									
eu	essai	y ic	you pro	Jec	ι.									
	stability	B = Mon	UTERS N FROM A WITNESS	POST THE	MARK I	11	1ML M AY 190							
magnetic I = Marker is a steel rod														
7.1		plication no selection												
4	application	no Good co	ndition @ Poor disturbed mu	a Good condition Poor, disturbed, multilated, requires maintenance										
	application condition * required field	<ul> <li>Good co</li> </ul>	ndition 🕞 Poor, disturbed, mu											
	application condition * required field MARK 2139	<ul> <li>Good co</li> <li>Good co</li> <li>Occup</li> </ul>	ndition () Poor, disturbed, mu					Manage D:	ata Files Save	Occupations				
	application condition * required field MARK 2139 DATA FILE	Good co     Good co     S     Occup     SPAN	ndition 💮 Poor, disturbed, mu	HARDWA	ARE		_	Manage D	ata Files Save	Occupations				
N	application condition * required field MARK 2139 DATA FILE 21392754 060	Occup     SPAN     Start	ndition Poor, disturbed, mu pations 2006-10-02T20:07:30 GPS	HARDW	ARE Model:	TRM55971.00 NONE	▼ S/N	Manage Da	ata Files Save	Occupations				
N	application condition * required field MARK 2139 DATA FILE 2139275u.060	Occup     SPAN     Start     End	ndition Poor, disturbed, mu pations 2006-10-02T20:07:30 GPS 2006-10-03T01:16:30 GPS	HARDW. Antenna Receiver	ARE Model: Model:	TRM55971.00 NONE TRIMBLE NETRS	▼ S/N S/N	Manage D 30255823 4624K01583	Height (m):	Occupations				
N	application condition * required field MARK 2139 DATA FILE 21392750.060	Occup     SPAN     Start     Start	ndition Poor, disturbed, mu pations 2006-10-02T20:07:30 GPS 2006-10-03T01:16:30 GPS 2006-10-03T06:07:30 GPS	HARDWA Antenna Receiver Antenna	ARE Model: Model: Model:	TRM55971.00 NONE TRIMBLE NETRS TRM55971.00 NONE	▼ S/N S/N ▼ S/N	Manage D 30255823 4624K01583 30255823	Height (m): Firmware: Height (m):	2.000 2.000				
N	application condition * required field MARK 2139 DATA FILE 2139275u.060 2139276g.060	Occup     SPAN     Start     Start     End	ndition Poor, disturbed, mu bations 2006-10-02720:07:30 GPS 2006-10-03701:16:30 GPS 2006-10-03706:07:30 GPS 2006-10-03710:54:45 GPS	HARDWA Antenna Receiver Antenna Receiver	ARE Model: Model: Model: Model:	TRM55971.00 NONE TRIMBLE NETRS TRM55971.00 NONE TRIMBLE NETRS	▼ S/N S/N ▼ S/N S/N	Manage D 30255823 4624K01583 30255823 4624K01583	Ata Files Save Height (m): Firmware: Height (m): Firmware:	2.000 2.000				
	application condition * required field MARK 2139 DATA FILE 21392750.060 21392760.060	Occup     SPAN     Start     End     Start     Start     Start	ndition Poor, disturbed, mu pations 2006-10-02T20:07:30 GPS 2006-10-03T01:16:30 GPS 2006-10-03T06:77:30 GPS 2006-10-03T17:56:30 GPS 2006-10-03T17:56:30 GPS	HARDW. Antenna Receiver Antenna Receiver Antenna	ARE Model: Model: Model: Model: Model:	TRMS5971.00 NONE TRIMBLE NETRS TRMS5971.00 NONE TRMS5971.00 NONE TRMS5971.00 NONE	▼ S/N S/N ▼ S/N ▼ S/N	Manage D 30255823 4624K01583 30255823 4624K01583 30265823	Height (m): Firmware: Height (m): Firmware: Height (m): Height (m):	Occupations           2.000           2.000           2.000           2.000				
N	application condition * required field MARK 2139 DATA FILE 2139276g.060 2139276r.060	Coccup     Span     Start     End     Start     End     Start     End	ndilion Poor, disturbed, mu bations 2006-10-02720:07.30 GPS 2008-10-03705:07.30 GPS 2008-10-03705:07.30 GPS 2008-10-037105:30 GPS 2008-10-037105:30 GPS	HARDW. Antenna Receiver Antenna Receiver Antenna Receiver	ARE Model: Model: Model: Model: Model: Model:	TRMSS971.00 NOME TRIMBLE NETRS TRMSS971.00 NOME TRIMBLE NETRS TRMSS971.00 NOME TRIMBLE NETRS	▼ S/N S/N ▼ S/N ▼ S/N ▼ S/N	Manage D 30255823 4624K01583 30255823 4624K01583 30255823 4624K01583	Height (m): Firmware: Height (m): Firmware: Height (m): Firmware: Firmware:	2.000 2.000 2.000 2.000				
N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	application condition * required field MARK 2139 DATA FILE 21392750.060 2139276r.060 2139276r.060	Coccup     Good co     S     SPAN     Start     End     Start     End     Start     End     Start	ndtion Poor, disturbed, mu bations 2006-10-02720 07:30 GPS 2006-10-03701:16:30 GPS 2006-10-03701:54:30 GPS 2006-10-03717:55:30 GPS 2006-10-04710:22:30 GPS 2006-10-0470:55:30 GPS	HARDW. Antenna Receiver Antenna Receiver Antenna Receiver Antenna	ARE Model: Model: Model: Model: Model: Model:	TSH55971.00 NOWE TRIBUEN NETRS TSH58971.00 NOWE TSH58971.00 NOWE TRIBUEN NETRS TRIBUEN NETRS TRIBUEN NETRS	S/N     S/N     S/N     S/N     S/N     S/N     S/N     S/N	Manage D aczessza 4624K01683 30255823 4624K01683 30255823 4622K01683 30255823 4624K01683	Height (m): Firmware: Height (m): Firmware: Height (m): Firmware: Height (m): Height (m):	2.000 2.000 2.000 2.000 2.000				
N	application condition * required field MARK 2139 DATA FILE 2139276g.060 2139276g.060 2139276g.060	Coccup     Sood co     S     SPAN     Start     End     Start     End     Start     End     Start     End     Start	Addion Poor, dishurbed, mu bations 2006-10-02120.07.30 GPS 2006-10-03170.07.30 GPS 2006-10-03170.07.30 GPS 2006-10-03170.07.30 GPS 2006-10-03170.55.30 GPS 2006-10-04170.22.30 GPS 2006-10-04170.22.30 GPS	HARDWA Antenna Receiver Antenna Receiver Antenna Receiver Antenna	ARE Model: Model: Model: Model: Model: Model: Model:	TRMSS971.00 NOME TRMSLE METAS TRMSS971.00 NOME TRIMSLE METAS TRMSS971.00 NOME TRIMSLE METAS TRMSS971.00 NOME TRIMSLE METAS	SAN     SAN     SAN     SAN     SAN     SAN     SAN     SAN     SAN     SAN	Manage D 50255923 4624K01583 50255923 4624K01583 50255923 4624K01583 50255923 4624K01583 50255923 4624K01583	Height (m): Firmware: Height (m): Firmware: Height (m): Firmware: Height (m): Firmware:	Occupations 2.000				

MARK 2139 - Scale uncertainties Coordinate Sour	Processing Results From	2006-275-B									
Scale uncertainties	Processing Results From	2006-275-B	-								
Coordinate Sour	s of their (out of the									Manage Coordinates	
	ce: 2006-275-B										
REF FRAME:	IGS08 (2006.7534)	NAD_8	3(2011) (2010.0000)	COORI	DINATE SYSTE	M:		SPC 1702	LA S	UTM 15	
LAT:	N30:30:19.92320 ±0.003 m	N30:30:1	9.90335 ±0.003 m	NORTH	IING:			222723.8	70 m	3377830.950 m	
EAST LON:	E269:40:03.41841 ±0.002 m	E269:40:0	3.44421 ±0.002 m	EASTIN	IG:			1096080.	695 m	756017.226 m	
WEST LON:	W090:19:56.58159 ±0.002 m	W090:19:5	6.55579 ±0.002 m	CONVE	RGENCE:			0.500491	06°	1.35488066°	
EL HGT:	-19.416 ±0.003 m		-18.046 ±0.003 m	POINT	SCALE:			0.999964	41	1.00040867	
X:	-31906.403 ±0.002 m	-31	905.724 ±0.002 m	COMBI	NED FACTOR			0.999967	24	1.00041151	
7.	-3499912.081 ±0.00311	-0498	772 479 ±0.002 m	0.3.10	TIONAL GRID			10KTP00	01777630		
ORTHO HGT: 8.82	4GT: 8.827 ±0.012 m (H = h - N WHERE N = GEC		T)								
DATA FILE	ANTENNA	HEIGHT (m)	EPH TYPE	OBS (%)	EIXED (%)	RMS (m)	LAT (m)	LON (m)	HGT (m)	SOLUTION	
21392750.060	TBM55971.00 NONE	2 000	precise	81.9	94.4	0.018	0.003	0.002	0.003	2006-275-B	
21392760.060	TBM55971.00 NONE	2,000	-	-	-	-	-	-	-		
2139276r.060	TRM55971.00 NONE	2.000	-	-	-	-	-	-	-		
2139277g.060	TRM55971.00 NONE	2.000	-	-	-	-	-	-	-		
	Preferences		Best Available	≥80.0	≥80.0	≤0.025	≤0.030	≤0.030	≤0.060	Preferences	
Scale uncertainties The "zero" point co 3.0 2.0 E 1.0	s by (1.0x (68.3%) Show ordinates. N30:30:19.92326, W0	preferences 30:19:56:58186, -	D network 🚫 ses 19.432 m el. height, a	sion Of are the mea	PUS D publi n of all sessio	shed. In solutions.		T			

	Start 2006-10-03T17:56:30 GP	S Antenna	Model:	TRM55971.00 NO	9E	S/N:	30255823		Height (m	1): 2.000
2139276r.060	End 2006-10-04T00:22:30 GP	S Receiver	Model:	TRIMBLE NETRS		S/N:	4624K0158	3	Firmware	c [
	Start 2006-10-04T06:56:30 GP	S Antenna	Model:	TRM55971.00 NO	TE	S/N:	30255823		Height (m	1): 2.000
2139277g.06o	End 2006-10-04T10:59:45 GP	S Receiver	Model:	TRIMBLE NETRS		S/N:	4624K0158	13	Firmware	E .
MARK 2139 💌	Processing Results From	2006-275-B	-							Manage
Scale uncertainties	; by 1.0x (68.3%) 💌								_	Coordinates
Coordinate Source	ce: 2006-275-B									
REF FRAME:	IGS08 (2006.7534)	NAD_8	8(2011) (201	0.0000) COOF	DINATE SYSTE	M:		SPC 170	2 LA S	UTM 15
LAT:	N30:30:19.92320 ±0.003 m	N30:30:1	9.90335 ±0.	003 m NORT	HING:			222723.8	370 m	3377830.950 m
EAST LON:	E269:40:03.41841 ±0.002 m	E269:40:0	3.44421 ±0.	UU2 m EAST	NG:			1096080	.695 m	756017.226 m
VIEST LON:	10 446 ±0.002 m	w090:19:5	0.555/9 ±0.	002 m CONV	ERGENCE:			0.500491	100	1.35488066*
EL HGT:	-19.416 ±0.003 m	24	-18.046 ±0.	POIN COM	SCALE:			0.999964	141	1.00040867
X. V.	-31905.403 ±0.002 m	-31	905.724 ±0.	002m COME	ATIONAL COR			0.999967	29	1.00041151
1.	-5499912.081 ±0.003 m	-0499	914.170 ±0. 772 470 ±0.	0.5.6	ATIONAL GRID			IDRIPDO	01777630	
ORTHO HGT: 8.82	7 ±0.012 m (H = h - N WHERE N	= GEOID 12A HG	Г) Г)	003111						
DATA FILE	ANTENNA	HEIGHT (m)	EPH T	(PF OBS (%)	FIXED (%)	RMS (m)	LAT (m)	LON (m)	HGT (m)	SOLUTION
2139275#.060	TRM55971.00 NONE	2 000	nreci	se 81.9	94.4	0.018	0.003	0.002	0.003	2006-275-B
21392760.060	TRM55971.00 NONE	2 000	-	-	-	-	-	-	-	
2139276r 060	TRM55971.00 NONE	2.000			-				_	
21392770.060	TRM55971.00 NONE	2.000				_				
21002119.000	Preferences	2.000	Rest Ava	ilable >80.0	>80.0	≪0.025	<0.030	≪0.030	≪0.060	Preferences
MARK 2139 Scale uncertainties The "zero" point cor 3.0	Processing Results Plots by 1.0x (68.3%) Show ordinates, N30:30:19.92326, W09	preferences 0:19:56.58186, -	network 19.432 m el.	Session OC height, are the me	PUS 🛆 publi an of all sessio	shed. n solutions		Т		
MARK 2139 Scale uncertaintee The 'zero' point coo igate t , on th ori coo	For this sec for this sec to other ma ne right, a l	ction ark w butto	inclu eb p n to	osession og height, are the me oldes a bages, displa ences	notal session of all session a sol ay a f spec	er p utic orm	oull- on se n con	dow elec ntro	/n m tion lling his_r	ienu t contr the a nark.
label igate t , on th	for this sec co other ma ne right, a l rdinates an	ction ark w butto nd pre	inclu eb p n to	osession of height, are the me oudes a pages, displa ences	noth a sol ay a f	er p utic orm	oull- on se i cor ally f	dow elec ntro	/n m tion Iling his r	ienu t contr the a nark.

![](_page_36_Figure_2.jpeg)

![](_page_36_Figure_3.jpeg)

![](_page_37_Figure_2.jpeg)

![](_page_37_Figure_3.jpeg)

![](_page_38_Figure_2.jpeg)

![](_page_38_Figure_3.jpeg)

![](_page_39_Figure_2.jpeg)

![](_page_39_Figure_3.jpeg)

![](_page_40_Figure_2.jpeg)

![](_page_40_Figure_3.jpeg)

NO	Results From ALL SESS		
		ARKS: O meet preferences O do not meet preferences O are not included O have error ORS: O meet preferences O do not meet preferences O are not included aselines:	
	Preferences Project List	"my project @ 2006-10-01" Network Adjustment	
	Serfil Solutions	Perform Adjustment	
	Show File Send Email	Adjustment Name (30 char max): tinal Included Solutions Available Solutions	
	Set up Adjustment Review and	[add] 2006-274-A 2006-275-B 2006-275-B 2006-275-B	
	Publish Delete Project	2006-277-A	
$\sim$	a	CORS CONSTRAINT HEIGHT (III) CATITOL ( ) CONSTRUCT ( ) TRET. FRAME	
	e /e	Output Raf Frame: LET OPUS CHOOSE  Output Geoid Model: LET OPUS CHOOSE  Constraint Weights: CLOOSE  OKINAL ON TIGHT	
	FOWE	Website Owner National Geodelic Survey / SRavision: 68566 SCreated: 2013 NOS Home • NGS Employees • Privacy Policy • Disclaimer • USA acy • Read-rany • Ste Man • Contact Webmaster	3-02-21
		Cassions & Colutions	
Ther	e are man	y similarities between the network adjustment	
and s	ession pr	ocessing controls. As we did then, let's focus on	
these	controis	but keep a small copy of the map.	

<complex-block></complex-block>	NOAA's National Geodetic	ourvey Positioning America for the Future	www.ngs.noaa.gov
<complex-block><form></form></complex-block>	Perform Adjus	ment 🗙	MarksECORS - Wesson Colins Map Brodinaven Montpelo Colins Elivine
Included Solutions       Valiable Solutions         [add]       2006-277.4         2006-277.4       2006-277.4         2006-277.4       2006-277.4         Constraint HEIGHT (m) LITITUDE (* '') LONGITUDE (* '') REF. FRAME         Constraint HEIGHT (m) LITITUDE (* '') LONGITUDE (* '') REF. FRAME         Constraint HEIGHT (m) LITITUDE (* '') LONGITUDE (* '') REF. FRAME         Constraint HEIGHT (m) LITITUDE (* '') LONGITUDE (* '') REF. FRAME         Constraint HEIGHT (m) LITITUDE (* '') REF. FRAME         Constraint Weights:       LET OPUS CHOOSE (*)         Constraint Weights:       LET OPUS CHOOSE (*)	Adjustment Name (30 char max): final		Sumato
add       2006-275-A         2006-275-A       2006-275-A         2006-277-A       2006-277-A         2006-277-A       2006-277-A         2006-277-A       2006-277-A         Constraint HEIGHT (m) Lattruce (* '') LONGITULE (* '') REF. FRAME         Orgen Preference       Image: Constraint HEIGHT (m) Lattruce (* '') LONGITULE (* '') REF. FRAME         Output Ref Frame       LET OPUS CHOOSE •         Output Ref Frame       LET OPUS CHOOSE •         Constraint Weights       LOOSE • NORMAL • TIGHT    First, note that no marks are listed and all the baselines have been removed from the map. They will be replaced as session solutions are included in the adjustment. 2010-0000000000000000000000000000000000	Included Solutions	Available Solutions	ter CMcCome Columbia Pathesburg Hattlesburg
First, note that no marks are listed and all the baselines have been removed from the map. They will be replaced as session solutions are included in the adjustment.	MARK CONSTRAINT HEIGHT (m) LATITUDE (* CORS constraint HEIGHT (m) COSS (*) NORTHAL Constraint Weights: 0. COSS (*) NORTHAL	6-275-A 6-275-B 6-275-B 6-276-A 6-276-A 6-277-A "") LONGITUDE (* ''') REF. FRAME "") LONGITUDE (* ''') REF. FRAME	a Magina Tangan Carbon Magina Tangan Carbon Magina Tangan Carbon Magina Tangan Carbon Magina Tangan Carbon Magina Tangan Carbon Magina Tangan Magina
2013-08-07 Step 4 : Network Adjustment 84	First, note that no been removed fro solutions are incl	o marks are listed and al om the map. They will bo uded in the adjustment.	l the baselines have e replaced as session
	2013-08-07	Step 4 : Network Adjustment	84

NOAA's National Geod	etic Survey Positioning America for the Future	www.ngs.noaa.gov
? 🗘 Perform	Adjustment	Marks&CORS - Wesson Colins M Brooknaven Montrello D
Adjustment Name (30 char max): final		Sumat o Wet
Included Solutions	Available Solutions	ter uberty cMcComb Pathesburg Ha
	2006-275-A 2006-275-A 2006-275-B 2006-276-B 2006-276-B 2006-277-A	4 Unging Park of Congene Park of Congene
MARK CONSTRAINT HEIGHT (m) LATIT CORS CONSTRAINT HEIGHT (m) LATIT	JDE (° ' '') LONGITUDE (° ' '') REF. FRAME JDE (° ' '') LONGITUDE (° ' '') REF. FRAME	sonville Reserve o Olanace New Orieans Luine Kennerge Ocalimette
Processing Preferences Dutput Ref Frame: LET OPUS CHOO Output Geoid Model: LET OPUS CHOO Constraint Weights: DOOSE @ NOR	SE v SE v MAL TIGHT	Theorem Processor Processor Charlen Statework Charlen Statework Larvers C. Con Mages
An adjustment "final", but oth	can have a name. Usuall er names can help organ	y, it will be something like ize testing.

Adjustment Name (30 char max): Innal Included Solutions Adjustment Name (30 char max): Innal Included Solutions Included Solutions Included Solutions Included Solutions Included Solutions Included Solutions (") LONGITUDE (") REF. FRAME Processing Preferences Output Geoid Modet LET OPUS CHOOSE Constraint Height (m) LATITUDE (") REF. FRAME Processing Preferences Output Geoid Modet LET OPUS CHOOSE Constraint Weights: LOOSE @ NORMAL TIGHT All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.	NOAA's National Geodetic	survey Positioning America for the Future	www.ngs.noaa.gov
Adjustment Name (30 char max): final Included Solutions [add] 2006-277-A 2006-27-20-200-200-200-200-200-200-200-200-2	? 🚺 Perform Adjus	tment X	Marks&CORS - Wesson Collins Ma Broadhaven Montcello
Included Solutions         [add]       2006-275-A         2006-275-B       2006-275-A         2006-277-A       2006-277-A         2009-277-A       2006-277-A         2009-270-20       2007-20         2009-270-20       2007-20         2009-270-20       2007-20         2009-20       2007-20         2009-20       2007-20         2009-20       2007-20         2009-20       2007-20         2009-20       2009-20         2009-20       2009-20         2009-20 </td <td>Adjustment Name (30 char max): final</td> <td></td> <td>Sumato</td>	Adjustment Name (30 char max): final		Sumato
[add]       2006-277-A         2006-275-B       2006-275-B         2006-277-A       2006-277-A         2006-277-2       2006-277-A         2006-200-200-200-200-200-200-200-200-200	Included Solutions	Available Solutions	ter Liberty CMLComb Patters Patters
ANARK CONSTRAINT HEIGHT (m) LATITUDE (* '') LONGITUDE (* '') REF. FRAME Processing Preferences Output Geoid Model LET OPUS CHOOSE Constraint Weights: LET OPUS CHOOSE Constraint Weights: LET OPUS CHOOSE All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.	[add] 20 20 20 20 20 20 20 20 20 20 20 20 20	16-274A ^ 16-275A / 16-275B / 16-275B / 16-276A / 16-276-B / 16-277-A /	10 Langend Fagend Company 11 Parameter Company 12 Parameter Comp
All completed session solutions are listed. At least one must be included if alternates exist.	MARK CONSTRAINT HEIGHT (m) LATITUDE (	' '') LONGITUDE (° ' '') REF. FRAME	sorvite Reserve O Laplace New
All completed session solutions are listed. At least one must be included if alternates exist.	CORS CONSTRAINT HEIGHT (m) LATITUDE (	'') LONGITUDE (°'') REF. FRAME	Thibpdaux Marriero /viper
All completed session solutions are listed. At least one must be included if alternates exist.	Processing Preferences Output Ref Frame: LET OPUS CHOOSE	7	Intevero oRazeland City Hosma
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.	Output Geoid Model: LET OPUS CHOOSE	1	Larose o «Cut orr. Map da
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.	Constraint Weights: OLOOSE NORMAL	р тібнт	
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.			
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.			
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.			
All completed session solutions are listed. At least one must be included. Only one solution from a session should be included if alternates exist.			
included. Only one solution from a session should be included if alternates exist.	All completed se	sion solutions are liste	ad At least one must be
included. Only one solution from a session should be included if alternates exist.	All completed set		eu. Al least olle must be
alternates exist.	included. Only or	ie solution from <u>a sess</u>	ion should be included if
	alternates exist		

							Brookhaven Montoelo Eli
Adjustment	t Name (30 char	max): final					Sumato
	Inclu	ded Solutions		Available	Solutions		Columbia Hattesburg H
2006-274-/	Ą		2006-2 2006-2 2006-2 2006-2 2006-2	75-A 75-B 76-A 76-B 77-A		*	a transmission and tran
MARK	CONSTRAINT	HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME		o Gonzales Detrohartran Eder Isse
2126 🔘	NONE -	EL HGT - 14.019	N30:58:00.80116	W089:48:34.33127	IGS08 (2006.7507)	-	Convile Reserved OLaplace New
2137 🔘	NONE -	EL HGT 👻 33.196	N30:56:11.58242	W090:30:25.29761	IGS08 (2006.7506)	*	Ofleans
CORS	CONSTRAINT	HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME		Thibodaux Marrero Vicket
covg 🕚	3-D 💌	EL HGT 💌 -5.932	N30:28:33.28953	W090:05:43.94752	IGS08 (2005.0000)	-	hrievero oRaceland
hamm 🕚	3-D 💌	EL HGT 💌 5.820	N30:30:47.07133	W090:28:03.45357	IGS08 (2005.0000)	•	City Houman Landan
msht 🕚	3-D 💌	EL HGT 💌 64.476	N31:19:39.16104	W089:20:10.65121	IGS08 (2005.0000)	•	OCULOR Map
mssc 🕚	3-D 💌	EL HGT 💌 -13.084	N30:22:30.81443	W089:36:49.92726	IGS08 (2005.0000)	-	
Processing Output Ref F Output Geoi Constraint V	Preferences Frame: LETC id Model: LETC Weights: O LOC	PPUS CHOOSE ▼ PPUS CHOOSE ▼ DSE ● NORMAL ● TIGHT tart to inc	lude ses	sion solu	utions fo	r yo	ur adjustment, the
ma	arks in	icluded in	those so	essions s	olutions	will	be listed and the

![](_page_43_Figure_3.jpeg)

	4	-		-	_						-		Brookhaven Montoello
ustment	Name (30 d	har r	max): fina	il 🛛									Sumatio
		nclu	ded Soluti	ons					Availabl	e Solutions			Columbia Hattisburg
06-274-A 06-275-A 06-275-B 06-276-A 06-276-B 06-277-A						~		ine]				4	A Design of the second
MARK	CONSTRA	INT	Н	IEIGI	HT (m)	LAT	ITUDE (° '	'n	LONGITUDE (° ' '')	REF. FRAM	E		o Gonzales Lake Orr
23 🔘	NONE	-	EL HGT	1	-8.797	N30:3	5:23.610	39	W090:29:12.73764	IGS08 (2006.7533)	-	-	Pontchartrain Eden Isle
26 🔘	NONE	-	EL HGT	T	- 14.019	N30:5		16	W089:48:34.33127	IGS08 (2006.7507)		-	officiale Reserved OLapace Orleans
37 🔘	NONE		EL HGT		- 33.196	N30:5	6:11.582	242	W090:30:25.29761	IGS08 (2006.7506)		-	Luing Kenner O Chalmette
139 🚫	NONE	-	EL HGT	1	-19.37	N30:3	0:19.923	34	W090:19:56.58138	IGS08 (2006.7533)		-	Thisodaux https://
CORS	CONSTRA	INT	H	IEIGH	HT (m)	LAT	TITUDE (° '	")	LONGITUDE (° ' '')	REF. FRAM	IE		City Houme
ovg 🕚	3-D	-	EL HGT	-	-5.932	N30:2	8:33.289	953	W090:05:43.94752	IGS08 (2005.0000)	-	]	Larose D o Cut Off
mm 🕚	3-D	•	EL HGT	-	5.820	N30:3	0:47.071	.33	W090:28:03.45357	IGS08 (2005.0000)	-	]	The second se
sht 🙆	3-D	•	EL HGT	•	64.476	N31:1	9:39.161	.04	W089:20:10.65121	IGS08 (2005.0000)	-	]	
ssc 🕚	3-D	•	EL HGT	•	-13.084	N30:2	2:30.814	43	W089:36:49.92726	IGS08 (2005.0000)	-	1	
icessing put Ref F Iput Geoi Instraint V	Preference frame: L d Model: L Veights: C	S ET O ET O LOO	PUS CHO PUS CHO DSE   NO	IOSE IOSE DRM	E 💌 E 💌 AL 💿 TIGH	т							
Th Th	e ino ey c	clu ar	ude nno	d t l	mar be c	ks a han	ind ged	ne ir	etwork on the ad	lesign ai justmen	re t.	se	t in the sessions.

![](_page_44_Figure_3.jpeg)

Adjustment Name (30 char max); final 2005-277-A 2130 NONE CHOT Stacket Constraint HEIGHT (m) ALTITUDE (* ') NONE CHOT Stacket 2130 NONE CHOT Stacket 2130 N	justment Name (3				Brookhaven Montcello
Included Solutions         Available Solutions           0006-277-A		30 char max): final			Sumato
000-274-A 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-277-B 000-270-B 000-20-		Included Solutions	Availab	le Solutions	Ter O.McComb Columbia Hattinburg H
MARK         CONSTRAINT         HEIGHT (m)         LATTUDE (*)         NONE         EF. FRAME           123         NONE         E. LHGT         14.019         130.055:20.4039         P090:29:12.7374         ICS08 (2006.7507)         ICS08         ICS08 <td< th=""><th>106-274-A 106-275-A 106-275-B 106-276-A 106-276-B 106-277-A</th><th></th><th>(none)</th><th>*</th><th>A line of the second se</th></td<>	106-274-A 106-275-A 106-275-B 106-276-A 106-276-B 106-277-A		(none)	*	A line of the second se
123       NONE       EL HOT       E.797       13015523.6103       109012912.73764       IGS08 (2006.7533)	MARK CONST	RAINT HEIGHT (m)	LATITUDE (° ' '') LONGITUDE (° ' '')	REF. FRAME	o Shenandoah Ponchidoula Mandevile Long Bee Sidel Wavelando p O Gonzales Lake o Chri
126       NONE       EL HGT       14.019       1329:58:00.80116       M099:48:34.33127       LGS08 (2006.7507)       IGS08 (2006.7507)         137       NONE       EL HGT       13.196       130:05:011.58:24       M090:190:25.29761       IGS08 (2006.7503)       IGS08 (2005.0000)       IGS08 (2005.0000)<	123 🔘 NONE	✓ EL HGT	N30:35:23.61039 W090:29:12.73764	IGS08 (2006.7533) -	Pontchartrain Eden Isle
137 ● NONE ♥ ELHGT ♥ [33.3.96 100:09:09:22.276] (GS08 (2005 703) ♥) 139 ● NONE ♥ ELHGT ♥ [33.3.96 100:09:09:30:22.276] (GS08 (2005 753) ♥) 139 ● NONE ♥ ELHGT ♥ [5.9.37] (30:30:10:09:09:334 100:01:19:66:318 (GS08 (2005 753) ♥) 200	126 🔘 NONE	✓ EL HGT	N30:58:00.80116 W089:48:34.33127	IGS08 (2006.7507)	Offeans
139       NOME       ■ EL HOT       ▼ 19.9.371       100.9021.9.623.4       NO901.95.65.513.8       UG000 (2000 F.733)       ▼         CORS       CONSTRAIT       HENHT (m)       LATTUDE (* )       PEF.FRAME       •	137 🔘 NONE	▼ EL HGT ▼ 33.196	N30:56:11.58242 W090:30:25.29761	IGS08 (2006.7506)	Theodaux Marrero Violet
CORS         CONSTRAINT         HEIGHT (m)         LATTUDE (*')         LONGTUDE (*')         REF_FRANCE           ovg @ 3-0         •         ELHGT •         5.932         130:28:53         N090:05:43.94752         ISG08 (2005:0000) •         •           mm @ 3-0         •         ELHGT •         5.202         130:03:04:70:0133         M090:28:03.44357         ISG08 (2005:0000) •         •           isht @ 3-0         •         ELHGT •         5.4476         133:19:39:16:04         M089:20:10.65:21         ISG08 (2005:0000) •         •           isste @ 3-0         •         ELHGT •         -         13:04         130:02:2:30:0:1443         M089:36:149:92726         ISG08 (2005:0000) •         •           accessing Preferences         •         •         ILTO PUS CHOOSE         •	139 🚫 NONE	■ EL HGT ▼ -19.371	N30:30:19.92334 W090:19:56.58138	IGS08 (2006.7533)	hnevero Raceland
comp       3-D       •       EL HOT •       [-5, 32]       1930;22:33,28:35       10509;05:43,94752       IGS08 (2005:000) •       •         mm       3-D       •       EL HOT •       [5, 820]       1930;22:33,08:31:43       10508;20:350:000) •       •         nsht       •       3-D       •       EL HOT •       [5, 820]       1930;22:30,8:14:3       10508;20:000;000) •       •         nssc       •       >       EL HOT •       [5, 820]       1930;22:30,8:14:3       10508;20:000;000) •       •         nssc       •       >       EL HOT •       [5, 820]       1930;22:30,8:14:3       10508;20:000;000) •       •         nccessing Preferences       -       -       ELT OPUS CHOOSE •       •       -       -         nptr Her Frame:       -       LET OPUS CHOOSE •       •       -       -       -       -         nnstraint Weights:       -       LOOSE • NORMAL •       TIGHT       -	CORS CONST	RAINT HEIGHT (m)	LATITUDE (° ' '') LONGITUDE (° ' '')	REF. FRAME	City Houme
mm ♥ 3-D ♥ EL HOT ♥ 5:20 1930:3347.0133 1009:22:03.45557 (IS308.2005.0000) ♥ sht ♥ 3-D ♥ EL HOT ♥ 6:4.476 1931:19:39.86(4) 109:22:03.61443 100:92:22:03.61443 100:92:22:03.61443 100:92:22:04.0000) ♥ socessing Preferences phu Ref Frame: LET OPUS CHOOSE ♥ mstraint Weights: © LOOSE ♥ NORMAL © TIGHT	ovg 🌰 3-D	▼ EL HGT ▼ -5.932	N30:28:33.28953 W090:05:43.94752	IGS08 (2005.0000) -	Map
nsmt @ 3-D ♥ EL HGT ♥ [64,976 [B31:19:39.16:04 [M089:20:10.65121] [GS08 (2005.0000) ♥ issc @ 3-D ♥ EL HGT ♥ -13.084 [B30:22:30.61443 [M089:36:49.92726] [GS08 (2005.0000) ♥ coessing Preferences Aput RefFrame: LET OPUS CHOOSE ♥ instraint Weights: © LOOSE ♥ NORMAL © TIGHT	imm 🌰 3-D	✓ EL HGT ▼ 5.820	N30:30:47.07133 W090:28:03.45357	IGS08 (2005.0000) 💌	-
SSC ♥ 3-D ▼ ELHGT ▼ 13.084 [B36:22:30.8:143 [M069:36:149.92726] IGS08 (2005.0000) ▼ occessing Preferences uput Ref Frame: LET OPUS CHOOSE ▼ uput Geold Model: LET OPUS CHOOSE ▼ Instraint Weights: LOOSE ● NORMAL ● TIGHT	isht 🕘 3-D	► EL HGI   64.476	N31:19:39.16104 W089:20:10.65121	IGS08 (2005.0000)	-
ocessing Preferences uput Ref Frame: LET OPUS CHOOSE • uput Geold Model: LET OPUS CHOOSE • onstraint Weights: © LOOSE • NORMAL © TIGHT	issc 🌰 3-D	EL HGI -13.084	N30:22:30.81443 W089:36:49.92726	IGS08 (2005.0000)	
Constraints are still NONE, HOR-ONLY, VER-ONLY or 3-D.	tput Ref Frame: tput Geoid Model: nstraint Weights:	LET OPUS CHOOSE V LET OPUS CHOOSE V LET OPUS CHOOSE V LOOSE NORMAL TIGHT	II NONE, HOR-O	NLY, VER-ON	ILY or 3-D.

? 🗘				Perform Adjustm	nent			×	Marks&CORS - Wesson Colins M Brookaven Montpello
djustment Na	ime (30 char	max): final							o o Us Sumralio
	Inclu	ded Solutions			A	vailable	Solutions		Columbia Hattisburg Ha
006-274-A 006-275-A 006-275-B 006-276-A 006-276-B 006-277-A				^ [nor	ne]			*	1 Annual
MARK C	ONSTRAINT	HEIGHT	F (m)	LATITUDE (° ' '	") LONGITUDE	(° ′ ′′)	REF. FRAME	<b>T</b>	Shenandoah Ponchatoula Mandevile Long Beat Sidel Wareland o Pass O Conzales Lake O Christ
2123 🔘 N	ONE 👻	EL HGT 👻	-8.797	N30:35:23.610	39 W090:29:12.	73764	IGS08 (2006.7533)	-	Pontchartrain Eden 1916
2126 🔘 N	ONE 👻	EL HGT 👻	14.019	N30:58:00.801	16 W089:48:34.3	33127	IGS08 (2006.7507)	-	Orleans
2137 🔘 N	ONE 👻	EL HGT 👻	33.196	N30:56:11.582	42 W090:30:25.2	29761	IGS08 (2006.7506)	-	Luing Kennev O Chaimette Marrero Viowe
2139 🚫 N	ONE 👻	EL HGT 👻	-19.371	N30:30:19.923	34 W090:19:56.5	58138	IGS08 (2006.7533)	-	httevero oRacelant
CORS C	ONSTRAINT	HEIGHT	Г (m)	LATITUDE (° ' '	") LONGITUDE	(° ′ ′')	REF. FRAME		Cry Agray House I
covg 🙆 3-	D 👻	EL HGT 🔻 -	5.932	N30:28:33.289	53 W090:05:43.9	94752	IGS08 (2005.0000)	-	Larose o Cut Off
amm 🜰 3-	D 🔻	EL HGT 🔻 5	.820	N30:30:47.071	33 W090:28:03.4	15357	IGS08 (2005.0000)	•	Internet and the second s
msht 🙆 3-	D 💌	EL HGT 💌 6	4.476	N31:19:39.1610	04 W089:20:10.	55121	IGS08 (2005.0000)	•	
mssc 실 3-	D 💌	EL HGT 💌 -	13.084	N30:22:30.814	43 W089:36:49.9	92726	IGS08 (2005.0000)	•	
rocessing Pr utput Ref Frar utput Geoid I/ onstraint Wei	eferences me: LET C lodel: LET C ghts: C LOC	PUS CHOOSE PUS CHOOSE DSE   NORMAL							
The and	cons can	strain <i>be dif</i>	ed co <i>ffere</i>	oordina <i>nt</i> fron	ates <i>cai</i> n those	n si us	<i>till be ch</i> ed in the	ang e se	<i>ed,</i> ssion solutions.

ustment Name (30 o 06-274-A 06-275-A 06-275-A	char max): final						
06-274-A 06-275-A	Included Solutions						Sumraine
06-274-A 06-275-A			Available	Solutions		a MacCourts Co	West Numbra Hattiesb
uo-275-B 06-276-A 06-276-B 06-277-A		(none)			4 10 	n Frankton ram 1997 - Hammon & Constan Shnaroosh Portstouik Magaria	Lum Sputs Poplar Posyuno
MARK CONSTRA	AINT HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME		o Conzales Lake	Sidel Wavela
123 O NONE	▼ EL HGT ▼ -8.797	N30:35:23.61039	W090:29:12.73764	IGS08 (2006.7533)	-	Pontchartrain	Identisie
126 🔘 NONE	▼ ELHGT ▼ 14.019	N30:58:00.80116	W089:48:34.33127	IGS08 (2006.7507)	-	Shulle Reserved OLaplace Orleans	N 3
137 O NONE	▼ ELHGT ▼ 33.196	N30:56:11.58242	W090:30:25.29761	IGS08 (2006.7506)	-	Luing Kenney OC	halmette
139 🚫 NONE	▼ EL HGT ▼ -19.371	N30:30:19.92334	W090:19:56.58138	IGS08 (2006.7533)		Thibodaux	7.2.0
CORS CONSTRA	AINT HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME	C	AV Houme	
ovg 🜰 3-D	▼ EL HGT ▼ -5.932	N30:28:33.28953	W090:05:43.94752	IGS08 (2005.0000)	-	Larose © o Cut Off	
mm 🜰 3-D	▼ EL HGT ▼ 5.820	N30:30:47.07133	W090:28:03.45357	IGS08 (2005.0000)	•		
sht 🙆 3-D	▼ EL HGT ▼ 64.476	N31:19:39.16104	W089:20:10.65121	IGS08 (2005.0000)	•		
ssc 🜰 3-D	▼ EL HGT ▼ -13.084	N30:22:30.81443	W089:36:49.92726	IGS08 (2005.0000)	•		
pcessing Preference tput Ref Frame: tput Geoid Model: Lastraint Weights:	es LET OPUS CHOOSE 💌 LET OPUS CHOOSE 💌 ) LOOSE 💿 NORMAL 🔘 TIGHT						

? 2		Perform Adjustment			Marks&CORS - Wesson Colins	
djustment Name	(30 char max): final				Sumatio	
	Included Solutions		Available	Solutions	Columbia Hattiesbu	<b>ар</b> н
006-274-A 006-275-A 006-275-B 006-276-A 006-276-B 006-277-A		none)			A Language of the second secon	ton t
MARK CON	STRAINT HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME	PShenandoan Ponchatoula Mandavile     Sidel Warvian     OrGonzales     Lake	ong Bea do Pas Chris
2123 O NONE	EL HGT -8.797	N30:35:23.61039	W090:29:12.73764	IGS08 (2006.7533)	Pontchartrain Leen Isle	
2126 🔘 NONE	EL HGT - 14.019	N30:58:00.80116	W089:48:34.33127	IGS08 (2006.7507)	• Orleans	
2137 🔘 NONE	EL HGT - 33.196	N30:56:11.58242	W090:30:25.29761	IGS08 (2006.7506)	Theodore Marrero Violet	
2139 🚫 NONE	ELHGT -19.371	N30:30:19.92334	W090:19:56.58138	IGS08 (2006.7533)	hnevero Receiped	
CORS CON	STRAINT HEIGHT (m)	LATITUDE (° ' '')	LONGITUDE (° ' '')	REF. FRAME	City Houms	
covg 🌰 3-D	▼ EL HGT ▼ -5.932	N30:28:33.28953	W090:05:43.94752	IGS08 (2005.0000)	Larose D Cut Off	Мар
amm 🛞 3-D	EL HGT 5.820	N30:30:47.07133	W090:28:03.45357	IGS08 (2005.0000)		
nsht 🛞 3-D	💌 EL HGT 💌 64.476	N31:19:39.16104	W089:20:10.65121	IGS08 (2005.0000)		
nssc 🛞 3-D	▼ EL HGT ▼ -13.084	N30:22:30.81443	W089:36:49.92726	IGS08 (2005.0000)		
ocessing Prefer utput Ref Frame: utput Geoid Mode onstraint Weights	LET OPUS CHOOSE  LET OPUS CHOOSE LET OPUS CHOOSE LET OPUS CHOOSE COUSE ONORMAL O TIGHT					
All pr fram	ocessing ren e can be sele	nains in t cted. If p	he ITRF, ossible,	but an a the ITRF	lternate reference coordinates will be	

														o Montpello	
ustment	Name (30	char i	.nax): final											Sumral	
		Inclu	ded Solutio	ons					Availab	le Solution	s			rer O.McComb Columbia Hatt	Hesburg
J6-274-A )6-275-B )6-275-B )6-276-A )6-276-B )6-277-A						*	[none]						4	A Standing Andrews Transform	Lumperton Narve
IARK	CONSTR	LAINT	Н	EIGHT	(m)	LATI	TUDE (° ' '')	LONG	ITUDE (° ' '')		REF. FRAME	E		o Gonzales Lake of	miland o Cr
23 0	NONE	-	EL HGT	-	-8.797		5:23.61039	W090:2	9:12.73764	IGS08	2006.7533)		-	Pontchartrain Edwiniste New	
26 🔘	NONE		EL HGT	-	14.019		:00.80116	W089:4	8:34.33127	IGS08	2006.7507)		Ī	Convite Reserve o OLapace Orleans	
37 🔘	NONE		EL HGT	-	33.196	N30:56	5:11.58242	W090:3	0:25.29761	IGS08	2006.7506)		Ī	Luing Kenneva O Chaimette Marrero Violet	
39 🚫	NONE		EL HGT		-19.371		:19.92334	W090:1	9:56.58138	IGS08	2006.7533)		T.	herever ORaceland	
ORS	CONSTR	AINT	Н	EIGHT	(m)	LATI	TUDE (° ' '')	LONG	ITUDE (° ' '')		REF. FRAME	E		City Houme	
vg 🛞	3-D	-	EL HGT	-	5.932	N30:28	:33.28953	W090:0	5:43.94752	IGS08	2005.0000)			Larose O O Cut Off	
nm 🛞	3-D	-	EL HGT	- 5.	820	N30:30	:47.07133	W090:2	8:03.45357	IGS08	2005.0000)				
ht 🛞	3-D	-	EL HGT	- 64	4.476	N31:19	39.16104	W089:2	0:10.65121	IGS08	2005.0000)				
sc 🕥	3-D	-	EL HGT		13.084	N30:22	2:30.81443	W089:3	6:49.92726	IGS08	2005.0000)				
cessing out Ref F out Geoi istraint V	Preferen Trame: d Model: Veights:	LET O LET O LET O	PUS CHO PUS CHO DSE @ NC	DSE DSE RMAL	▼ ▼ ⊙ TIGHT										
t ort	the hoi	ge ne	oid etric	or h	r hyk eigh	orid ts g	-geo given	id n in t	node :he r	el us epo	ed to rts ca	o co an	om be	pute the specified	

? 6				Perform Adju	istment			X	Marks&CORS - Wesson Colms
djustment	Name (30 ch	ar max): final							0 Sumrality
	In	luded Solutions	s			Available	Solutions		Columbia Hamisburger
2006-274-A 2006-275-A 2006-275-E 2006-276-A 2006-276-E 2006-277-A				< 1 1 ·	[none]			4	A Constraint of the second sec
MARK	CONSTRAIN	T HEIG	GHT (m)	LATITUDE	(° ′ ′′)	LONGITUDE (° 1 '')	REF. FRAME		Gonzales Lake of Chris
2123 0	NONE	EL HGT	-8.797		61039	W090:29:12.73764	IGS08 (2006.7533)	-	Pontchartrain Edwiniste
2126 🔘	NONE	EL HGT	- 14.019		80116	W089:48:34.33127	IGS08 (2006.7507)		Convite Reserve o OLapace Orleans
2137 🔘	NONE	EL HGT	- 33.196	N30:56:11.	58242	W090:30:25.29761	IGS08 (2006.7506)		Luing Kennever O Chaimette Marrero Violet
2139 🚫	NONE	EL HGT	-19.371	N30:30:19.	92334	W090:19:56.58138	IGS08 (2006.7533)	-	Inevero ORacelant
CORS	CONSTRAIN	T HEIG	GHT (m)	LATITUDE	(° ′ ′′)	LONGITUDE (° ' '')	REF. FRAME		City Houme
covg 🛞	3-D	👻 EL HGT 💌	-5.932	N30:28:33.	28953	W090:05:43.94752	IGS08 (2005.0000)		Larose D Cut Off
iamm 🛞	3-D	🕶 EL HGT 💌	5.820	N30:30:47.	07133	W090:28:03.45357	IGS08 (2005.0000)		The restance of the second second second
msht 🕚	3-D	💌 EL HGT 💌	64.476	N31:19:39.	16104	W089:20:10.65121	IGS08 (2005.0000)		
mssc 🕲	3-D	🕶 EL HGT 💌	-13.084	N30:22:30.	81443	W089:36:49.92726	IGS08 (2005.0000)		
rocessing utput Ref F utput Geoi constraint V	Preferences rame: LE 1 Model: LE /eights: OL	OPUS CHOOS OPUS CHOOS OOSE O NORM	SE ▼ SE ▼ MAL _ TIGHT						
a LO	and t OSE	he co ≈ 1 m	nstra , NOF	int we RMAL	eig ≈ :́	ht select L cm <i>,</i> TI(	ed: GHT≈ 0.1	Lmn	n.

															Brook	aven Mon	ticello		
Adjustme	nt Name (3	30 char	max): fin	al														Sumralio	
		Inclu	ided Solu	tions					Availab	e Solutions							Colum	West Hattiesb	
2006-274 2006-275 2006-275 2006-276 2006-276 2006-277	-A -B -A -B -A							one]					4 	an an an an an an an an an an an an an a	Magni	Fransja Fransja Cov roula Ma	own nton Boggu	Lum Poplari a Poplari	e Long Br
MARK	CONST	RAINT		HEIG	HT (m)	LA	TITUDE (° '	<b>"</b>	LONGITUDE (° 1 '')		REF. FRAME			0 Gonzales		Le	si ake d	del Wavela	ndo p Chi
2123	NONE		EL HGT		-8.797	N30:	35:23.610	039	W090:29:12.73764	IGS08 (20	06.7533)			5		Ponto	hartrain Eden	1816	
2126	NONE		EL HGT		- 14.019	N30:	58:00.801	116	W089:48:34.33127	IGS08 (20	06.7507)			onvile Reser	rveo PL	aprace Or	leans	₹ _d	
2137	NONE		EL HGT		- 33.196	N30:	56:11.582	242	W090:30:25.29761	IGS08 (20	06.7506)				Luin	Kennev	O Chain	ette	
2139	NONE		EL HGT		-19.371	N30:	30:19.923	334	W090:19:56.58138	IGS08 (20	06.7533)			Thibodaux O	R	100	1	1. 1	
CORS	CONST	RAINT		HEIG	HT (m)	LA	TITUDE (° '	")	LONGITUDE (° ' '')	F	REF. FRAME			Dry Houmi	a consideration	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 3		
covg 🍳	3-D	-	EL HGT	-	-5.932	N30:	28:33.289	953	W090:05:43.94752	IGS08 (20	05.0000)	-		ц °	Larose	t O Cut Off	Ster		
hamm 🍕	3-D	•	EL HGT	•	5.820	N30:	30:47.071	133	W090:28:03.45357	IGS08 (20	05.0000)	-	Ľ	and the second se	and man the	100 may 1 years	1 31 3 1		-
msht 🍕	3-D	•	EL HGT	•	64.476	N31:	19:39.161	L04	W089:20:10.65121	IGS08 (20	05.0000)	-							
mssc 🍳	3-D	-	EL HGT	•	-13.084	N30:	22:30.814	443	W089:36:49.92726	IGS08 (20	05.0000)	-							
Output Re Output Ge Constrain	f Frame: oid Model: Weights:						aro	6	omploto	clic	k th	0	"Do	rfo	rm				
A	ner djus	tm	ie s ient	еі "	butt	ள on	in tl	he	e control	bar	at tl	e าe	to	b of	th	ne v	vino	vob	<i>v</i> .

	NOAA's National Geodetic Survey Positioning America for the Future www.ngs.noaa.gov	
	<b>OPUS Projects Processing Queue Confirmation</b>	
X	The network adjustment "final" was queued at 2013-05-21T13:10:34 UTC. When the processing is completed, a solution summary and other reports will be emailed to mark.schenewerk@noaa.gov.	
	There are 0 processing requests in queue before yours. The estimated time to processing completion is 1 minute. Please be aware that this message was created when the request was queued and the time to completion will not be updated by refreshing this page.	
	6 solutions were selected containing 8 marks in total. Of these marks, 4 marks were unconstrained and 4 marks were constrained.	
	Source Solutions: 2006-274-A, 2006-275-A, 2006-275-B, 2006-276-A, 2006-276-B, 2006-277-A	
	Unconstrained marks 2126, 2137, 2123, 2139	
1	Constrained marks covg 3-D N30:28:33.28953 W090:05:43.94752 -5.932 m EL HGT IGS08 (2005.0000) hamm 3-D N30:30:47.07133 W090:28:03.45357 5.820 m EL HGT IGS08 (2005.0000) msht 3-D N31:19:39.16104 W098:20:10.65121 64.476 m EL HGT IGS08 (2005.0000) mssc 3-D N30:22:30.81443 W089:36:49.92726 -13.084 m EL HGT IGS08 (2005.0000)	
	The network design, observation elevation cut-off and	
A p a th	t that time, the selections are checked, inserted in the rocessing queue and a printable summary is created. The djustment rarely takes more than a few minutes once it reache ne top of the queue.	!S
201	13-08-07 Step 4 : Network Adjustment	98

NOAA's National Geodetic Survey P	ositioning America for the Future	www.ngs.noaa.gov
NGS OPUS-PROJ	ECTS NETWORK ADJUSTMENT REPO	RT ==
All coordinate accuracies repo uncertainties from the solution dev.ngs.noaa.gov/OPUS/Using_OP	rted here are 1 times the fo n. For additional informatio JS-Projects.html#accuracy	rmal n:
These positions were computed Geodetic Survey regarding the	without any knowledge by the equipment or field operating	National procedures used.
SUBMITTED BY: SOLUTION FILE NAME: SOLUTION SOFTWARE: SOLUTION DATE: STANDARD ERROR OF UNIT WEIGHT: TOTAL NUMBER OF OBSERVATIONS: TOTAL NUMBER OF MARKS: NUMBER OF CONSTRAINED MARKS:	<pre>your.name@your.address network-final.sum GPSCOM(1210.24) 2013-05-21T09:13:11 UTC 0.773 224036 8 4</pre>	
START TIME: STOP TIME: FREQUENCY: OBSERVATION INTERVAL: ELEVATION CUTOFF: TROPO INTERVAL: DD CORRELATIONS:	2006-10-01T00:00:00 GPS 2006-10-04T23:59:30 GPS L1-ONLY TO ION-FREE [BY BAS 30 s 15 deg 7200 s [PIECE-WISE LINEAR P ON	ELINE LENGTH] PARAMETERIZATION]
INCLUDED SOLUTION	RMS SOFTWARE R	UN DATE
When the adjustmen contains a summary o	t is completed, an e of the results and h	email is sent. The email as full reports attached.
6) 2006-277 A	1.7 cm page5(1301.08) 2	013-08-07T14:57 UTC
2013-08-07	Step 4 : Network Adjustment	S

NGS OPUS-PROT	FOTS NET	ORK AD. TUSTMENT	PEPOPT	
NGS 0P05-PR05	ECIS NEIW	STATES ADJUSIMENT	=====	
All coordinate accuracies repo	rted here	e are 1 times the	e formal	
uncertainties from the solutio	n. For ad	ditional informa	ation:	
dev.ngs.noaa.gov/OPUS/Using_OP	US-Projec	ts.html#accuracy	Y	
These positions were computed	without a	ny knowledge by	the National	
Geodetic Survey regarding the	equipment	or field operat	ting procedures used.	
SUBMITTED BY:	your.nam	e@your.address		
SOLUTION FILE NAME:	network-	final.sum		
SOLUTION SOFTWARE:	GPSCOM (1	.210.24)		
SOLUTION DATE:	2013-05-	21109:13:11 UTC		
STANDARD ERROR OF UNIT WEIGHT:	0.773			
TOTAL NUMBER OF OBSERVATIONS:	224036			
NUMBER OF MARKS:	8			
NUMBER OF CONSTRAINED MARKS.	4			
START TIME:	2006-10-	01T00:00:00 GPS		
STOP TIME:	2006-10-	04T23:59:30 GPS		
FREQUENCY:	L1-ONLY	TO ION-FREE [BY	BASELINE LENGTH]	
OBSERVATION INTERVAL:	30 s			
ELEVATION CUTOFF:	15 deg			
TROPO INTERVAL:	7200 s [	PIECE-WISE LINE	AR PARAMETERIZATION]	
DD CORRELATIONS:	ON			
INCLUDED SOLUTION	RMS	SOFTWARE	RUN DATE	
	al <b>:</b> a <b>t</b>			
Evaluating network a	ujustn	Territs is ver	y similar to evalua	
ossion solutions				
5) 2006-276 B	1.9 cm	page5(1301.08)	2013-08-07T14:56 UTC	
6) 2006-277 A	1.7 cm	page5(1301.08)	2013-08-07T14:57 UTC	

NGS 0P05-PR03	ECTS NETW	ORK ADJUSTMENT RE	PORT ====		
All coordinate accuracies repor	rted here	are 1 times the	formal		
First, verify the inforn	nation	you entere	d.		
These positions were computed w Geodetic Survey regarding the e	without a equipment	ny knowledge by t or field operati	he National ng procedures used.		
SUBMITTED BY:	your.nam	e@your.address			
SOLUTION FILE NAME:	network-	final.sum			
SOLUTION SOFTWARE:	GPSCOM(1	210.24)			
SOLUTION DATE:	2013-05-21T09:13:11 UTC				
TOTAL NUMBER OF OBSERVATIONS:	224036				
TOTAL NUMBER OF MARKS:	8				
NUMBER OF CONSTRAINED MARKS:	4				
START TIME:	2006-10-	01T00:00:00 GPS			
STOP TIME:	2006-10-04T23:59:30 GPS L1-ONLY TO ION-FREE [BY BASELINE LENGTH]				
GREEVATION INTERVAL					
ELEVATION CUTOFF:	15 deg				
TROPO INTERVAL:	7200 s [	PIECE-WISE LINEAR	PARAMETERIZATION]		
DD CORRELATIONS:	ON				
INCLUDED SOLUTION	RMS	SOFTWARE	RUN DATE		
1) 2006-274 A	1.2 cm	page5(1301.08)	2013-08-07T12:40 UTC		
2) 2006-275 A	1.1 cm	page5(1301.08)	2013-08-07T14:51 UTC		
3) 2006-275 B	1.5 cm	page5(1301.08)	2013-08-07T14:52 UTC		
4) 2000-276 B	1.0 CM	pages(1301.08)	2013-08-07T14:54 UTC 2013-08-07T14:56 UTC		
0, 2000 2.0 2	1.5 011	pages (1901.00)	2010 00 0,114.00 010		

NGS OPUS-PROJ	JECTS NETW	ORK ADJUSTMENT R	SPORT	
All coordinate accuracies repo	orted here	e are 1 times the	formal	
Next, the general solu	ution i	nformation		
These positions were computed	without a	any knowledge by	the National	
Geodetic Survey regarding the	equipment	: or field operat.	ing procedures used.	
SUBMITTED BY:	your.nam	e@your.address		
SOLUTION FILE NAME:	network-	final.sum		
SOLUTION SOFTWARE:	GPSCOM (1 2013-05-	210.24) -2100.9.13.11 UTC		
STANDARD ERROR OF UNIT WEIGHT:	0.773	-21109.13.11 010		
TOTAL NUMBER OF OBSERVATIONS:	224036			
TOTAL NUMBER OF MARKS:	8			
NUMBER OF CONSTRAINED MARKS:	4			
START TIME:	2006-10-	-01T00:00:00 GPS		
STOP TIME:	2006-10-	-04T23:59:30 GPS		
FREQUENCY:	L1-ONLY	TO ION-FREE [BY ]	BASELINE LENGTH]	
OBSERVATION INTERVAL:	30 s 15 dec			
TROPO INTERVAL:	7200 s	PIECE-WISE LINEA	R PARAMETERIZATION]	
DD CORRELATIONS:	ON	-	-	
INCLUDED SOLUTION	RMS	SOFTWARE	RUN DATE	
1) 2006-274 A	1.2 cm	page5(1301.08)	2013-08-07T12:40 UTC	
2) 2006-275 A	1.1 cm	page5(1301.08)	2013-08-07T14:51 UTC	
3) 2006-275 B	1.5 cm	page5(1301.08)	2013-08-07T14:52 UTC	
4) 2006-276 A	1.6 cm	page5(1301.08)	2013-08-07T14:54 UTC	
6) 2006-277 A	1.9 Cm	page5 (1301.08)	2013-08-07T14:56 UTC 2013-08-07T14:57 UTC	
0, 2000 27, 11	1.7 Cm	Pages (1901.00)	2010 00 0/114.0/ 010	

	NOAA's National Geodetic	Survey Positioning Amer	ica for the Future		www.ngs.noaa.gov
	hamm-2126 80.640 km msht-mssc 108.867 km	1.0 cm 2 1.9 cm 15	471 2.3% 10 604 5.2% 9	0.0% 2 3.4% 5	
					++++
	Finally, the individ	dual mark re	suits.		
	MARK: 2123 (2123	1)			
	REF FRAME: NAD_83	(2011) (2010.0000)		IGS08 (2006.75	52)
	X: -4669	4.793 m 0.002 m	-46695	.473 m 0.002	2 m
/	Y: -549506	4.269 m 0.002 m	-5495062	.776 m 0.002	2 m
	Z: 322683	2.869 m 0.003 m	3226832	./U1 m 0.003	3 m
	LAT: 30 35 23.	59014 U.UO3 m	30 35 23.6	1003 0.003	5 m
	E LON: 269 30 47.	28881 0.002 m	269 30 47.2	0.002	2 m 2 m
	W LON: 50 29 12.	7 427 m 0 002 m	90 29 12.7 =8	2711 0.002	2 m
/	ORTHO HGT: 1	9.630 m 0.012 m	(H = h - N WHER	RE N = GEOTD12A	HGT)
/	UTM COOR UTM (Zo: NORTHING (Y) 338684 EASTING (X) 74097	DINATES STATE P ne 15) SPC 2.988 m 23 7.315 m 108	LANE COORDINATES (1702 LA S) 1955.819 m 1182.819 m		
/	CONVERGENCE 1.279	52553 deg 0.	42324530 deg		
	POINT SCALE 1.000	31642 0.	99997843		
	COMBINED FACTOR 1.000	31759 0.	99997960		
	US NATIONAL GRID DESIGNA	IOR: 15RYP40977868	42 (NAD 83)		
	+++++++++++++++++++++++++++++++++++++++	****	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++	++++
	MARK: 2126 (2126	1)			
	REF FRAME: NAD_83	(2011) (2010.0000)		IGS08 (2006.752	23)
	2013-08-07	Step 4 :	Network Adjustment		103

![](_page_51_Figure_3.jpeg)

![](_page_52_Figure_2.jpeg)

![](_page_52_Picture_3.jpeg)

![](_page_53_Picture_2.jpeg)