

TAFT.met

Identifi cation_Inf ormati on:

Citati on:

Citati on_Inf ormati on:

Origi nator: Darren Townsend(ed.)

Publ icati on_Date: 20050518

Publ icati on_Ti me: Unknown

Ti tle: S. F. W. M. D. Well TAFT

Publ icati on_Inf ormati on:

Publ icati on_Pl ace: 20050518

Publ i sher: None

Onl i ne_Li nkage: darrent@cooner.com

Descri pti on:

Abstr act:

South Flori da Water Management Di strict
Well Taft

Purpos e:

To establish NAVD 88 and NGVD 29 elevations on the
wells reference marks from nearby, existi ng benchmarks.

Suppl emental_Inf ormati on:

ACCOMPANYING DIGITAL FILES
TAFT.GEN , CORPSMET95 FILE
TAFT.DOC , BENCHMARK RECOVERY FORM
TAFT.PDF , SCANNED COPIES OF FIELD NOTES,
VERTCON CALCULATONS (IF APPLI CABLE)
AND LEAST SQUARES ADJUSTMENT
TAFT.PPT , POWER POINT FILES OF WELL SITE
PI CTURES

Ti me_Period_of_Content:

Ti me_Period_Inf ormati on:

Range_of_Dates/Ti mes:

Bei nni ng_Date: 20050201

Endi ng_Date: 20050330

Currentness_Reference: Publ icati on Date

Status:

Progress: Complete

Mai ntenance_and_Update_Frequency: Unknown

Spati al_Domai n:

Boundi ng_Coordi nates:

West_Boundi ng_Coordi nate: -081°22' 17.07"

East_Boundi ng_Coordi nate: -081°22' 17.03"

North_Boundi ng_Coordi nate: +28°26' 09.90"

South_Boundi ng_Coordi nate: +28°26' 09.87"

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Record Survey

Theme_Keyword: Well Si te

Pl ace:

Pl ace_Keyword_Thesaurus: None

Pl ace_Keyword: SFWMD WELL TAFT

Pl ace_Keyword: SEC. 1, TWP 24 S, RGE 29 E

Pl ace_Keyword: ORANGE COUNTY, FLORI DA

Access_Constrai nts: None

Use_Constrai nts:

The wells have keyed or combi nati on locks.

See poi nt of contact for key or combi nati on.

Poi nt_of_Contact:

Contact_Inf ormati on:

Contact_Person_Pri mary:

Contact_Person: Elvi e D. Ebanks

Contact_Organi zati on: South Flori da Water Management

Di stri ct

Contact_Positi on: Professi onal Surveyor & Mapper

Page 1

**Darren Townsend
Cooner & Associates**

Purpose

Survey Date

Project Location

**Elvie Ebanks
SFWMD**

TAFT.met

Contact_Address:

Address_Type: mailing and physical address
Address: 3301 Gun Club Road
City: West Palm Beach
State_or_Province: Florida
Postal_Code: 33406
Country: USA

Contact_Voice_Telephone: (561) 753-2400, Ext. 4717

Contact_Electronic_Mail_Address: eebanks@sfwmd.gov

Hours_of_Service: 8:00 am to 5:00 pm EST

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Equipment Used

The horizontal location of the wells and benchmark was performed using differentially corrected TRIMBLE GPS PATHFINDER PRO XR receiver. The vertical data was collected using a LEICA NA3003 electronic digital level. Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/99. Elevations are based on NAVD 88.

Logical_Consistency_Report:

Horizontal data was established using differentially corrected GPS signals from U.S. Coast Guard Beacon at Cape Canaveral. Vertical data was established using existing NGS control points M122 and N122.

Project Results

Completeness_Report:

Horizontal location taken at approximate center of well.

Well Taft

Lat. +28°26'09.87"

Long. -081°22'17.03"

N 1491431.998'

E 536805.873'

Elevation taken on top of pipe extending vertically above well platform at tip of black arrow.

100.49' (NAVD 88)

101.43' (NGVD 29) calculated using 0.94' offset value based on

difference between superseded survey control

NAVD88 and NGVD29 elevation as posted on existing NGS data sheet benchmark M122.

101.42' (NGVD 29) calculated using 0.93' offset value based on

difference between superseded survey control

NAVD88 and NGVD29 elevation as posted on existing NGS data sheet benchmark N122.

NEW SITE BENCHMARK

TAFT5 is a standard SFWMD aluminum disk set in top of a class "C" concrete monument, flush with the ground. A magnet was set on the south side of the mark. In the city of Taft, north of Kissimmee; from Kissimmee, north on US Highway 17, past the Beeline Expressway (417) and Turnpike (528); Right on Landstreet Road; Right on Boyce to Mark at southeast quadrant of Boyce and Landstreet. Mark is inside fence surrounding a building supply store

Lat. +28°26'09.90"

Long. -081°22'17.07"

N 1491434.868'

E 536802.183'

97.47' (NAVD 88)

98.41' (NGVD 29) calculated using 0.94' offset value based on

TAFT.met

difference between superseded survey control NAVD88 and NGVD29 elevation as posted on existing NGS data sheet benchmark M122. 98.40' (NGVD 29) calculated using 0.93' offset value based on

difference between superseded survey control NAVD88 and NGVD29 elevation as posted on existing NGS data sheet benchmark N122.

Positional_Accuracy:

Horizontal

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The horizontal positions of the well and benchmark TAFT5 were established with differentially corrected GPS signals from U.S. Coast Guard Beacon

at

Cape Canaveral.

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: sub meter

Horizontal_Positional_Accuracy_Explanation: The

intended positional accuracy for this survey is sub meter.

Vertical_Positional_Accuracy:

Level Line

Vertical_Positional_Accuracy_Report:

A level line was run originating on NGS benchmark

M122

with an NAVD 88 elevation and running through new

site

benchmark TAFT5 and terminating on NGS benchmark N122 in accordance with Florida Minimum Technical Standards (Chapter 61G17-6). The well platform was

then

elevated by a level line originating on new site

benchmark

TAFT5 with an newly established NAVD 88 elevation running through pipe extending above well platform

and

terminating on new site benchmark TAFT5 in

accordance

with Florida Minimum Technical Standards (Chapter 61G17-6).

Quantitative_Vertical_Positional_Accuracy_Assessment:

Vertical_Positional_Accuracy_Value: 0.048 ft

Vertical_Positional_Accuracy_Explanation: NAVD 88 level run, 0.048 ft closure in 32524.1 ft, max. allowed 0.074 ft (MTS)

Level run, 0.048 ft closure in 32524.1 ft, max. allowed 0.074 ft (MTS)

Quantitative_Vertical_Positional_Accuracy_Assessment:

Vertical_Positional_Accuracy_Value: 0.002 ft

Vertical_Positional_Accuracy_Explanation: NAVD 88 level run, 0.002 ft closure in 29.3 ft, max. allowed 0.002 ft (MTS)

Level run, 0.002 ft closure in 29.3 ft, max. allowed 0.002 ft (MTS)

Lineage:

Process_Step:

Process_Description:

GPS

The horizontal work was performed using a Trimble

performed

Pathfinder Pro XR receiver using U.S. Coast Guard beacon at Cape Canaveral. The level line was

using a Leica NA3003 electronic digital level.

Process_Date: 20050424

Metadata_Reference_Information:

Metadata_Date: 20050518

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Darren Townsend

TAFI. met

Contact_Organi zati on: Cooner & Associ ates, Inc.

Contact_Positi on: Project Surveyor

Contact_Address:

Address_Type: mailing and physical address

Address: 5670 Zip Drive

City: Fort Myers

State_or_Provi nce: Fl ori da

Postal_Code: 33905

Country: USA

Contact_Voi ce_Tel ephone: (239) 277-0722

Contact_Facsi mi le_Tel ephone: (239) 277-7179

Contact_El ectroni c_Mai l_Address: darrent@cooner.c om

Hours_of_Servi ce: 8:00 am to 5:00 pm EST

Metadata_Standard_Name: FGDC Content Standards for Di gital Geospati al

Metadata

Metadata_Standard_Versi on: 19980601

TAFT



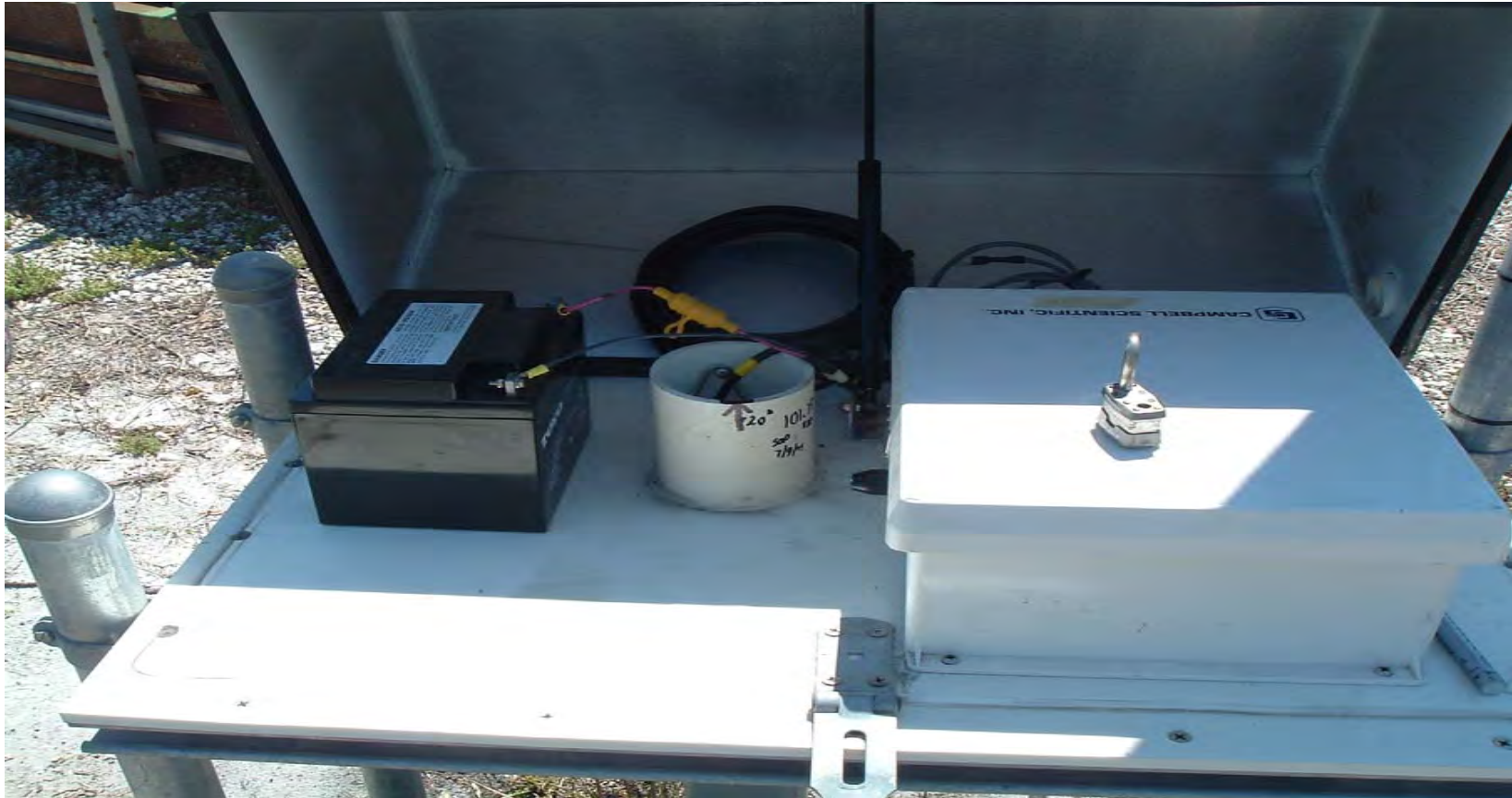
- COONER & ASSOCIATES, INC.
 - Date of photo: March 30, 2005
- View: Looking at top view of BM TAFT5

TAFT



- COONER & ASSOCIATES, INC.
 - Date of photo: March 30, 2005
 - View: Looking North at well

TAFT



- COONER & ASSOCIATES, INC.
 - Date of photo: March 30, 2005
- View: Looking at Elevation mark on well

TAFT



- COONER & ASSOCIATES, INC.
 - Date of photo: March 30, 2005
- View: Looking North at BM TAFT5

020901.03

SFWMO

Taft (Well Elevation)

Card, Run #

+	HI	-	EL	ADJ EL	PT#
4.669			97.47'	NAVD 88	128
	102.139'				
1.953		1.650	100.489'	100.49'	201
	102.442'				
		4.975	97.468'	97.47'	128
			(97.47' POSTED)		

LINE LENGTH = 29.3'

$$\text{ALLOWABLE MISCLOSURE} = 0.03 \sqrt{29.3' / 5280}$$

$$= \pm 0.002'$$

$$\text{ACTUAL MISCLOSURE} = -0.002'$$

3/30/05

FB86

PG64

Egerton

Collinst

Description

Set 2" Aluminum Disk In ~12" Poured Concrete Monument
 "50 FLA WATER MANAGEMENT DIST BM TAFT 5"
 Elevated Well At Top Of Pipe

Check In To Start Point

020801.03

SFWMD

TAFT

GPS LOCATIONS:

① Well: N- 1491431.998'
E- 536805.873'

② SET 2" ALUMINUM DISH IN 12" DIAMETER POURED
CONCRETE MONUMENT "SO. FLA WATER MANAGEMENT
DIST BM TAFT 5"
N- 1491434.868'
E- 536802.183'

FL STATE PLANC, EAST ZONE

3/30/05

FB 93 PG 1

ETGETON

COLLINS

FB 141

Taft
MAP

TP-31
F.C.M. W/ BRASS DISK
"TAFT No. 2"

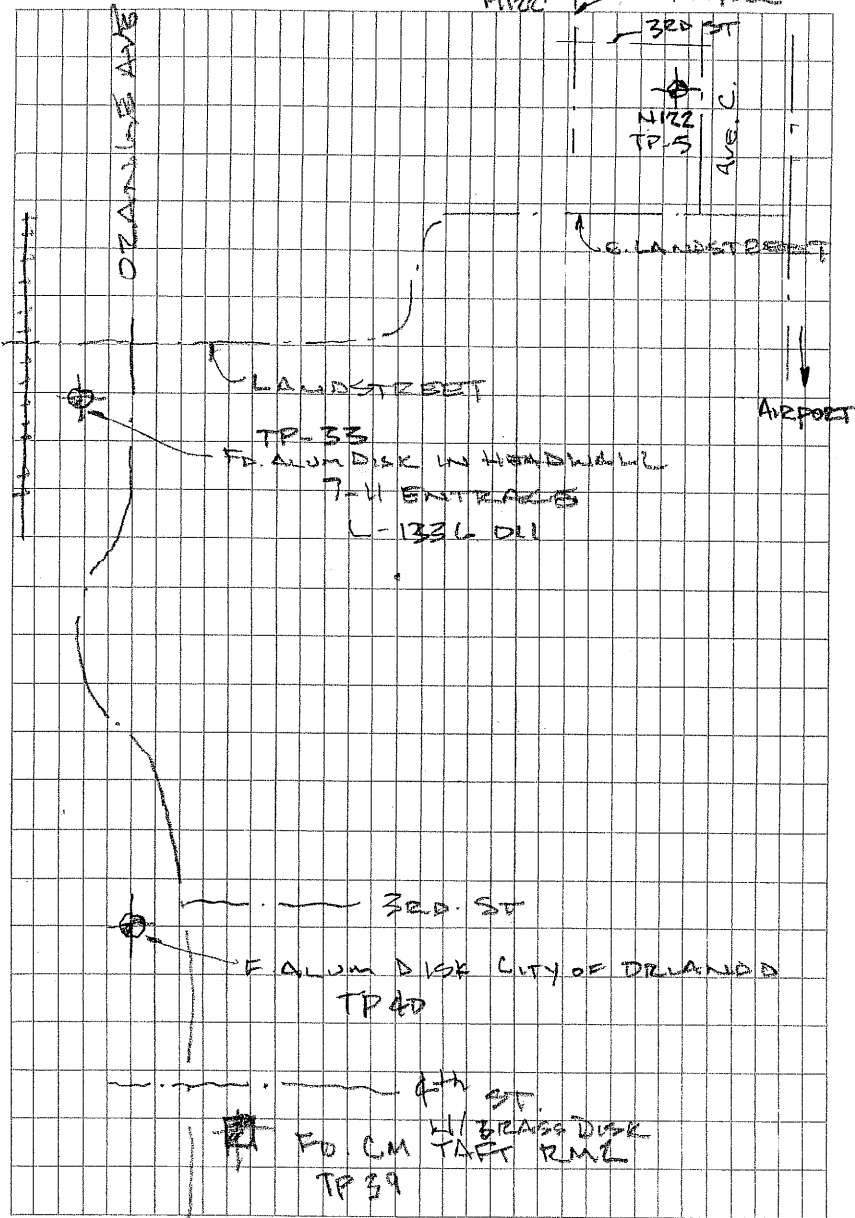
TP-28
F. ALUM
DISK TAFTS

BOXCE

BM. M-122 DISK IN HEADWALL W SIDE
DAETLYNER 400'S OF SEELINE
STAMPED "US ENGINEER DEPT "M122"
HARBOR SURVEYS
JACKSONVILLE FLA" 1945"

BM N-122 - F.D. METAL DISK IN
CONC. HEADWALL W. SIDE AVE "C"
N. OF LANDSTREET ROAD
STAMPED USCGS BM
N 122 1945

190.899



FB 141

TAFT RUN

BS	HI	FS	EL	NOTE
4.995	101.815		96.820	Bm
5.780	102.159	5.435	96.380	
5.867	102.241	5.786	96.374	
5.552	102.130	5.662	96.578	"BM
5.692	102.066	5.757	96.374	
5.013	101.417	5.662	96.404	
5.510	96.793	4.595	96.822	Bm

2

A. JOHNSON M. ANDERSON 4/13/05
 80° CLEAR
 WINDY
 TAFT RM 2 RID AK 1796

TAFT 5' FD ALUM DISK NVA CAR
 SUNDAY RENTALS
 SERQUAD LANDSET.
 TAFT
 4 BOYCE AVE

FB 141

TIEFT RUN

BS	HI	FS	EL.	NOTE
3.443	98.072		94.629	BM 100
4.872	98.313	4.631	93.441	TP-1
4.487	98.281	4.519	93.793	TP-2
4.856	97.413	5.723	92.558	TP-3
4.377	95.878	5.913	91.501	TP-4
3.590	94.495	4.974	90.904	BM
5.668	95.879	4.283	90.212	TP-6
7.130	96.079	6.930	88.949	TP-7 107
4.709	96.221	4.567	91.522	TP 8
5.487	96.822	4.887	91.335	TP 9
		5.539	91.283	TP 10
4.569	98.775	2.587	94.206	TP 11
5.067	97.736	6.106	92.669	TP 12
5.070	98.325	4.481	93.254	TP 13
3.299	98.319	3.304	95.021	TP 14
6.365	99.778	4.906	93.413	TP 15
5.160	100.600	4.338	95.440	TP 16
3.871	101.018	3.453	97.147	TP 17
3.551	100.886	3.684	97.335	TP 18
3.975	100.145	4.016	96.870	TP 19

3

A. Johnson M. Amore

4-11-05

LEICA NA 2002

10° Cloudy

N-122 ~~NA~~ NAVO 88'

N-122

CHIS "D" IN HOWL. NEW QUAD DATED 1952 1/2 LANGE
 (88.95' ADJUSTED)

c Boney Creek

TAPT RUN
(CONT.)

BS HI FS EL NOTE
100.845

5.459	101.461	4.843	96.002	TP20
3.158	101.039	3.580	97.881	TP21
4.871	100.562	5.348	95.690	TP22
5.746	102.105	4.203	96.358	TP23
5.487	103.715	3.816	98.789	TP24
4.249	102.315	5.710	98.066	TP25
5.607	102.853	5.069	97.246	TP26
5.638	102.879	5.612	97.241	TP27
5.590	103.036	5.433	97.446	BM 128
5.524	102.765	5.795	97.241	TP29
4.927	102.173	5.519	97.247	TP30
4.334	102.027	4.480	97.623	TP31 131
6.673	105.140	3.560	98.467	TP32
4.123	103.020	6.243	98.897	TP33 133
2.847	100.489	5.378	97.442	TP34
5.517	101.667	4.339	96.151	TP35
5.828	105.111	2.384	99.283	TP36
1.799	101.827	5.023	100.088	TP37
4.151	100.338	5.701	96.186	TP38
3.631	100.101	3.868	96.472	TP39 139
5.990	101.837	4.254	95.847	TP40 140

MURKIN IN YARD
 FO ALUM DISK 'TAPTS' (97.47' ADJUSTED)
 F BRASS DISK IN CONC E. OF SIGN POST E.
 (97.72' ADJUSTED) LANDSTREET
 F ALUM DISK 'ORANGE CO. PUBLIC WORKS
 (98.92' ADJUSTED) L-1336-011
 SURVEY MARKER
 IN CONC HEADWALL
 EAST SIDE ENTRY TO
 7-11
 BM @ ORANGE 4th TAPT RM 2 (96.50' ADJUSTED)
 JULIAN JOHNSON
 5' x 8"
 CITY OF ORLANDO
 ACROSS FROM
 3RD. ST. (95.87' ADJUSTED)

FB 141

TAPET Run
(CONT.)

5

BS	HI	Fs	EL	NOTE
5.030	105.176	1.690	100.147	TP41
4.769	102.694	7.251	97.925	TP42
5.119	103.859	3.954	98.740	TP43
5.174	102.957	6.077	97.782	TP44
4.007	100.124	6.840	96.117	TP45
4.829	101.770	3.183	96.940	TP46
4.494	100.610	5.654	96.116	TP47
5.883	101.132	5.361	95.250	TP48
6.008	101.666	5.413	95.659	TP49
4.344	100.298	5.712	95.954	TP50
4.362	99.711	4.949	95.349	TP51
2.776	97.786	4.701	95.010	TP52
5.105	98.288	4.602	93.183	TP53
4.402	97.852	4.839	93.449	TP54
5.237	98.017	5.072	92.780	TP55
5.279	97.776	5.520	92.497	TP56
5.653	96.518	6.900	90.876	TP57
3.627	95.094	5.061	91.468	TP58
4.832	96.013	3.913	91.181	TP59
4.392	95.718	4.687	91.326	TP60
5.604	94.789	7.033	88.685	TP61
		3.437	90.852	BK 162

A. Johnson
M. Amore

Bouky Creek Road

N-122

(90.90' ADJUSTED)

(90.90' POSTED)

32,524

LINE LENGTH = 32524.1'

$$\text{ALLOWABLE MISCLOSURE} = 0.03 \sqrt{\frac{32524.1}{5280}}$$

$$= \pm 0.074'$$

ACTUAL MISCLOSURE = -0.048'

Taft Raw.RAW

410213+?......1
110214+00000100 83..11+00094629
110215+00000100 32..01+00342350 331101+00003443
110216+00000001 32..01+00292570 332101+00004631
110217+00000001 573..1+00049780 574..1+00634920 83..01+00093441
110218+00000001 32..01+00277460 331101+00004872
110219+00000002 32..01+00297970 332101+00004519
110220+00000002 573..1+00029270 574..1+01210340 83..01+00093793
110221+00000002 32..01+00303190 331101+00004487
110222+00000003 32..01+00296690 332101+00005723
110223+00000003 573..1+00035770 574..1+01810220 83..01+00092558
110224+00000003 32..01+00297240 331101+00004856
110225+00000004 32..01+00298300 332101+00005913
110226+00000004 573..1+00034700 574..1+02405760 83..01+00091501
110227+00000004 32..01+00263370 331101+00004377
110228+00000005 32..01+00233590 332101+00004974
110229+00000005 573..1+00064480 574..1+02902720 83..01+00090904
110230+00000005 32..01+00225020 331101+00003590
110231+00000006 32..01+00291030 332101+00004283
110232+00000006 573..1-00001520 574..1+03418780 83..01+00090212
110233+00000006 32..01+00266830 331101+00005668
110234+00000107 32..01+00059370 332101+00006930
110235+00000107 573..1+00205930 574..1+03744980 83..01+00088949
110236+00000107 32..01+00279820 331101+00007130
110237+00000008 32..01+00288760 332101+00004567
110238+00000008 573..1+00196990 574..1+04313550 83..01+00091512
110239+00000008 32..01+00298470 331101+00004709
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110241+00000009 573..1+00185550 574..1+04921920 83..01+00091335
110242+00000009 32..01+00291520 331101+00005487
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110244+00000010 573..1+00146700 574..1+05543810 83..01+00091283
110245+00000010 32..01+00301210 331101+00005510
110246+00000011 32..01+00308230 332101+00002587
110247+00000011 573..1+00139680 574..1+06153250 83..01+00094206
110248+00000011 32..01+00214820 331101+00004569
110249+00000012 32..01+00142300 332101+00006106
110250+00000012 573..1+00212210 574..1+06510380 83..01+00092669
110251+00000012 32..01+00293850 331101+00005067
110252+00000013 32..01+00308470 332101+00004481
110253+00000013 573..1+00197590 574..1+07112700 83..01+00093254
110254+00000013 32..01+00267210 331101+00005070
110255+00000014 32..01+00344420 332101+00003304
110256+00000014 573..1+00120380 574..1+07724330 83..01+00095021
110257+00000014 32..01+00314220 331101+00003299
110258+00000015 32..01+00283810 332101+00004906
110259+00000015 573..1+00150790 574..1+08322360 83..01+00093413
110260+00000015 32..01+00330460 331101+00006365
110261+00000016 32..01+00273680 332101+00004338
110262+00000016 573..1+00207570 574..1+08926500 83..01+00095440
110263+00000016 32..01+00318450 331101+00005160
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110265+00000017 573..1+00225140 574..1+09545820 83..01+00097147
110266+00000017 32..01+00314050 331101+00003871
110267+00000018 32..01+00308910 332101+00003684
110268+00000018 573..1+00230290 574..1+10168790 83..01+00097335
110269+00000018 32..01+00326890 331101+00003551
110270+00000019 32..01+00234610 332101+00004016
110271+00000019 573..1+00322560 574..1+10730290 83..01+00096870
110272+00000019 32..01+00317760 331101+00003975
110273+00000020 32..01+00290830 332101+00004843
110274+00000020 573..1+00349480 574..1+11338880 83..01+00096002
110275+00000020 32..01+00295130 331101+00005459
110276+00000021 32..01+00293550 332101+00003580
110277+00000021 573..1+00351060 574..1+11927550 83..01+00097881
110278+00000021 32..01+00303560 331101+00003158
110279+00000022 32..01+00302940 332101+00005348

Taft Raw.RAW

110280+00000022	573..1+00351680	574..1+12534060	83..01+00095690
110281+00000022	32..01+00285520	331101+00004871	
110282+00000023	32..01+00297460	332101+00004203	
110283+00000023	573..1+00339740	574..1+13117040	83..01+00096358
110284+00000023	32..01+00174610	331101+00005746	
110285+00000024	32..01+00177310	332101+00003816	
110286+00000024	573..1+00337040	574..1+13468960	83..01+00098289
110287+00000024	32..01+00237250	331101+00005487	
110288+00000025	32..01+00234100	332101+00005710	
110289+00000025	573..1+00340190	574..1+13940310	83..01+00098066
110290+00000025	32..01+00164760	331101+00004249	
110291+00000026	32..01+00189520	332101+00005069	
110292+00000026	573..1+00315430	574..1+14294590	83..01+00097246
110293+00000026	32..01+00207990	331101+00005607	
110294+00000027	32..01+00140410	332101+00005612	
110295+00000027	573..1+00383020	574..1+14642990	83..01+00097241
110296+00000027	32..01+00071620	331101+00005638	
110297+00000128	32..01+00070500	332101+00005433	
110298+00000128	573..1+00384130	574..1+14785120	83..01+00097446
110299+00000128	32..01+00071750	331101+00005590	
110300+00000029	32..01+00070500	332101+00005795	
110301+00000029	573..1+00385390	574..1+14927370	83..01+00097241
110302+00000029	32..01+00142250	331101+00005524	
110303+00000030	32..01+00206250	332101+00005519	
110304+00000030	573..1+00321380	574..1+15275870	83..01+00097247
110305+00000030	32..01+00199060	331101+00004927	
110306+00000131	32..01+00179800	332101+00004480	
110307+00000131	573..1+00340650	574..1+15654730	83..01+00097693
110308+00000131	32..01+00231770	331101+00004334	
110309+00000032	32..01+00256000	332101+00003560	
110310+00000032	573..1+00316410	574..1+16142500	83..01+00098467
110311+00000032	32..01+00111620	331101+00006673	
110312+00000133	32..01+00063810	332101+00006243	
110313+00000133	573..1+00364230	574..1+16317930	83..01+00098897
110314+00000133	32..01+00121490	331101+00004123	
110315+00000034	32..01+00201100	332101+00005378	
110316+00000034	573..1+00284620	574..1+16640520	83..01+00097642
110317+00000034	32..01+00216180	331101+00002847	
110318+00000035	32..01+00236250	332101+00004339	
110319+00000035	573..1+00264550	574..1+17092940	83..01+00096151
110320+00000035	32..01+00302490	331101+00005517	
110321+00000036	32..01+00321890	332101+00002384	
110322+00000036	573..1+00245150	574..1+17717310	83..01+00099283
110323+00000036	32..01+00300700	331101+00005828	
110324+00000037	32..01+00266180	332101+00005023	
110325+00000037	573..1+00279670	574..1+18284200	83..01+00100088
110326+00000037	32..01+00289540	331101+00001799	
110327+00000038	32..01+00272890	332101+00005701	
110328+00000038	573..1+00296320	574..1+18846630	83..01+00096186
110329+00000038	32..01+00250330	331101+00004151	
110330+00000139	32..01+00201900	332101+00003868	
110331+00000139	573..1+00344750	574..1+19298870	83..01+00096470
110332+00000139	32..01+00201860	331101+00003631	
110333+00000140	32..01+00234850	332101+00004254	
110334+00000140	573..1+00311770	574..1+19735580	83..01+00095847
110335+00000140	32..01+00304980	331101+00005990	
110336+00000041	32..01+00281800	332101+00001690	
110337+00000041	573..1+00334940	574..1+20322350	83..01+00100147
110338+00000041	32..01+00289720	331101+00005030	
110339+00000042	32..01+00267360	332101+00007251	
110340+00000042	573..1+00357300	574..1+20879440	83..01+00097925
110341+00000042	32..01+00316100	331101+00004769	
110342+00000043	32..01+00280270	332101+00003954	
110343+00000043	573..1+00393130	574..1+21475800	83..01+00098740
110344+00000043	32..01+00301220	331101+00005119	
110345+00000044	32..01+00288340	332101+00006077	
110346+00000044	573..1+00406010	574..1+22065360	83..01+00097782

Taft Raw.RAW

110347+00000044	32..01+00222110	331101+00005174	
110348+00000045	32..01+00286490	332101+00006840	
110349+00000045	573..1+00341630	574..1+22573950	83..01+00096117
110350+00000045	32..01+00316840	331101+00004007	
110351+00000046	32..01+00290260	332101+00003183	
110352+00000046	573..1+00368200	574..1+23181050	83..01+00096940
110353+00000046	32..01+00274940	331101+00004829	
110354+00000047	32..01+00325510	332101+00005654	
110355+00000047	573..1+00317630	574..1+23781510	83..01+00096116
110356+00000047	32..01+00322600	331101+00004494	
110357+00000048	32..01+00339010	332101+00005361	
110358+00000048	573..1+00301220	574..1+24443120	83..01+00095250
110359+00000048	32..01+00325460	331101+00005883	
110360+00000049	32..01+00326020	332101+00005473	
110361+00000049	573..1+00300660	574..1+25094600	83..01+00095659
110362+00000049	32..01+00285780	331101+00006008	
110363+00000050	32..01+00326790	332101+00005712	
110364+00000050	573..1+00259650	574..1+25707170	83..01+00095954
110365+00000050	32..01+00324820	331101+00004344	
110366+00000051	32..01+00289320	332101+00004949	
110367+00000051	573..1+00295150	574..1+26321320	83..01+00095349
110368+00000051	32..01+00319370	331101+00004362	
110369+00000052	32..01+00306230	332101+00004701	
110370+00000052	573..1+00308290	574..1+26946910	83..01+00095010
110371+00000052	32..01+00318810	331101+00002776	
110372+00000053	32..01+00325210	332101+00004602	
110373+00000053	573..1+00301890	574..1+27590930	83..01+00093183
110374+00000053	32..01+00317200	331101+00005105	
110375+00000054	32..01+00256890	332101+00004839	
110376+00000054	573..1+00362200	574..1+28165020	83..01+00093449
110377+00000054	32..01+00219100	331101+00004402	
110378+00000055	32..01+00303200	332101+00005072	
110379+00000055	573..1+00278100	574..1+28687310	83..01+00092780
110380+00000055	32..01+00273400	331101+00005237	
110381+00000056	32..01+00317240	332101+00005520	
110382+00000056	573..1+00234260	574..1+29277960	83..01+00092497
110383+00000056	32..01+00212360	331101+00005279	
110384+00000057	32..01+00338020	332101+00006900	
110385+00000057	573..1+00108600	574..1+29828330	83..01+00090876
110386+00000057	32..01+00286460	331101+00005653	
110387+00000058	32..01+00297850	332101+00005061	
110388+00000058	573..1+00097220	574..1+30412640	83..01+00091468
110389+00000058	32..01+00305590	331101+00003627	
110390+00000059	32..01+00295670	332101+00003913	
110391+00000059	573..1+00107140	574..1+31013900	83..01+00091181
110392+00000059	32..01+00323530	331101+00004832	
110393+00000060	32..01+00296110	332101+00004687	
110394+00000060	573..1+00134550	574..1+31633540	83..01+00091326
110395+00000060	32..01+00261430	331101+00004392	
110396+00000061	32..01+00274490	332101+00007033	
110397+00000061	573..1+00121490	574..1+32169460	83..01+00088685
110398+00000061	32..01+00188000	331101+00005604	
110399+00000162	32..01+00166670	332101+00003437	
110400+00000162	573..1+00142820	574..1+32524140	83..01+00090852

Taft Raw.log

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Input Field File : J:\2002\A020801.03\levelpak\TAFT\Taft Raw.RAW
 Output Data File : J:\2002\A020801.03\STARNET\Taft Raw.dat
 Date Processed : 04-24-2005 15:07:54

Line	Point	Type	E	D	Sum E	Sum D	Desc
3	100	B	3.4430	342.3500	0.0000	0.0000	
4		F	4.6310	292.5700	-1.1880	634.9200	
6		B	4.8720	277.4600			
7		F	4.5190	297.9700	-0.8350	1210.3500	
9		B	4.4870	303.1900			
10		F	5.7230	296.6900	-2.0710	1810.2300	
12		B	4.8560	297.2400			
13		F	5.9130	298.3000	-3.1280	2405.7700	
15		B	4.3770	263.3700			
16		F	4.9740	233.5900	-3.7250	2902.7300	
18		B	3.5900	225.0200			
19		F	4.2830	291.0300	-4.4180	3418.7800	
21		B	5.6680	266.8300			
22	107	F	6.9300	59.3700	-5.6800	3744.9800	

Line	Point	Type	E	D	Sum E	Sum D	Desc
24	107	B	7.1300	279.8200	0.0000	0.0000	
25		F	4.5670	288.7600	2.5630	568.5800	
27		B	4.7090	298.4700			
28		F	4.8870	309.9100	2.3850	1176.9600	
30		B	5.4870	291.5200			
31		F	5.5390	330.3700	2.3330	1798.8500	
33		B	5.5100	301.2100			
34		F	2.5870	308.2300	5.2560	2408.2900	
36		B	4.5690	214.8200			
37		F	6.1060	142.3000	3.7190	2765.4100	
39		B	5.0670	293.8500			
40		F	4.4810	308.4700	4.3050	3367.7300	
42		B	5.0700	267.2100			
43		F	3.3040	344.4200	6.0710	3979.3600	
45		B	3.2990	314.2200			
46		F	4.9060	283.8100	4.4640	4577.3900	
48		B	6.3650	330.4600			
49		F	4.3380	273.6800	6.4910	5181.5300	
51		B	5.1600	318.4500			
52		F	3.4530	300.8700	8.1980	5800.8500	
54		B	3.8710	314.0500			
55		F	3.6840	308.9100	8.3850	6423.8100	
57		B	3.5510	326.8900			
58		F	4.0160	234.6100	7.9200	6985.3100	
60		B	3.9750	317.7600			
61		F	4.8430	290.8300	7.0520	7593.9000	
63		B	5.4590	295.1300			
64		F	3.5800	293.5500	8.9310	8182.5800	
66		B	3.1580	303.5600			
67		F	5.3480	302.9400	6.7410	8789.0800	
69		B	4.8710	285.5200			
70		F	4.2030	297.4600	7.4090	9372.0600	
72		B	5.7460	174.6100			
73		F	3.8160	177.3100	9.3390	9723.9800	
75		B	5.4870	237.2500			
76		F	5.7100	234.1000	9.1160	10195.3300	
78		B	4.2490	164.7600			
79		F	5.0690	189.5200	8.2960	10549.6100	
81		B	5.6070	207.9900			
82		F	5.6120	140.4100	8.2910	10898.0100	
84		B	5.6380	71.6200			
85	128	F	5.4330	70.5000	8.4960	11040.1300	

Taft Raw.log

Line	Point	Type	E	D	Sum E	Sum D	Desc
87	128	B	5.5900	71.7500	0.0000	0.0000	
88		F	5.7950	70.5000	-0.2050	142.2500	
90		B	5.5240	142.2500			
91		F	5.5190	206.2500	-0.2000	490.7500	
93		B	4.9270	199.0600			
94	131	F	4.4800	179.8000	0.2470	869.6100	
96	131	B	4.3340	231.7700	0.0000	0.0000	
97		F	3.5600	256.0000	0.7740	487.7700	
99		B	6.6730	111.6200			
100	133	F	6.2430	63.8100	1.2040	663.2000	
102	133	B	4.1230	121.4900	0.0000	0.0000	
103		F	5.3780	201.1000	-1.2550	322.5900	
105		B	2.8470	216.1800			
106		F	4.3390	236.2500	-2.7470	775.0200	
108		B	5.5170	302.4900			
109		F	2.3840	321.8900	0.3860	1399.4000	
111		B	5.8280	300.7000			
112		F	5.0230	266.1800	1.1910	1966.2800	
114		B	1.7990	289.5400			
115		F	5.7010	272.8900	-2.7110	2528.7100	
117		B	4.1510	250.3300			
118	139	F	3.8680	201.9000	-2.4280	2980.9400	
120	139	B	3.6310	201.8600	0.0000	0.0000	
121	140	F	4.2540	234.8500	-0.6230	436.7100	
123	140	B	5.9900	304.9800	0.0000	0.0000	
124		F	1.6900	281.8000	4.3000	586.7800	
126		B	5.0300	289.7200			
127		F	7.2510	267.3600	2.0790	1143.8600	
129		B	4.7690	316.1000			
130		F	3.9540	280.2700	2.8940	1740.2300	
132		B	5.1190	301.2200			
133		F	6.0770	288.3400	1.9360	2329.7900	
135		B	5.1740	222.1100			
136		F	6.8400	286.4900	0.2700	2838.3900	
138		B	4.0070	316.8400			
139		F	3.1830	290.2600	1.0940	3445.4900	
141		B	4.8290	274.9400			
142		F	5.6540	325.5100	0.2690	4045.9400	
144		B	4.4940	322.6000			
145		F	5.3610	339.0100	-0.5980	4707.5500	
147		B	5.8830	325.4600			
148		F	5.4730	326.0200	-0.1880	5359.0300	
150		B	6.0080	285.7800			
151		F	5.7120	326.7900	0.1080	5971.6000	
153		B	4.3440	324.8200			
154		F	4.9490	289.3200	-0.4970	6585.7400	
156		B	4.3620	319.3700			
157		F	4.7010	306.2300	-0.8360	7211.3400	
159		B	2.7760	318.8100			
160		F	4.6020	325.2100	-2.6620	7855.3600	
162		B	5.1050	317.2000			
163		F	4.8390	256.8900	-2.3960	8429.4500	
165		B	4.4020	219.1000			
166		F	5.0720	303.2000	-3.0660	8951.7500	
168		B	5.2370	273.4000			
169		F	5.5200	317.2400	-3.3490	9542.3900	
171		B	5.2790	212.3600			

			Taft	Raw. log		
172		F	6.9000	338.0200	-4.9700	10092.7700
174		B	5.6530	286.4600		
175		F	5.0610	297.8500	-4.3780	10677.0800
177		B	3.6270	305.5900		
178		F	3.9130	295.6700	-4.6640	11278.3400
180		B	4.8320	323.5300		
181		F	4.6870	296.1100	-4.5190	11897.9800
183		B	4.3920	261.4300		
184		F	7.0330	274.4900	-7.1600	12433.9000
186		B	5.6040	188.0000		
187	162	F	3.4370	166.6700	-4.9930	12788.5700

Process completed with 0 errors and 0 warnings.

Summary of Files Used and Option Settings

=====

Project Folder and Data Files

Project Name TAFT
Project Folder J:\2002\A020801.03\STARNET
Data File List Taft Raw.dat

Project Option Settings

STAR*NET Run Mode : Adjust with Error Propagation
Type of Adjustment : Lev
Project Units : FeetUS
Input/Output Coordinate Order : North-East
Create Coordinate File : Yes

Instrument Standard Error Settings

Project Default Instrument
Differential Levels : 0.010000 FeetUS / Mile

Listing of Input Data

[File: J:\2002\A020801.03\STARNET\TAFT RAW.DAT]
STAR*DNA Version 4.0.2
Copyright 2003 Starplus Software, Inc.
Input Field File : J:\2002\A020801.03\levelpak\TAFT\Taft Raw.RAW
Date Processed : 04-24-2005 15:07:54

.Units FeetUS
.Sep -
.3D

#NAVD88 BM ELEVATIONS

E 100 94.629 !
E 162 90.90 !

Elevation Difference Records

# Stations	Diff	Dist	Descriptor
L 100-107	-5.68000	3745	
L 107-128	8.49600	11040	
L 128-131	0.24700	870	
L 131-133	1.20400	663	
L 133-139	-2.42800	2981	
L 139-140	-0.62300	437	
L 140-162	-4.99300	12789	

Summary of Unadjusted Input Observations

=====

Number of Entered Stations (FeetUS) = 2

Fixed Stations	Elev	Description
100	94.6290	
162	90.9000	

Number of Differential Level Observations (FeetUS) = 7

From	To	Elev Diff	StdErr	Length
100	107	-5.6800	0.0084	3745
107	128	8.4960	0.0145	11040
128	131	0.2470	0.0041	870
131	133	1.2040	0.0035	663
133	139	-2.4280	0.0075	2981
139	140	-0.6230	0.0029	437
140	162	-4.9930	0.0156	12789

Adjustment Statistical Summary

=====
Number of Stations = 8
Number of Observations = 7
Number of Unknowns = 6
Number of Redundant Obs = 1

Observation	Count	Sum Squares of StdRes	Error Factor
Level Data	7	3.740	1.934
Total	7	3.740	1.934

The Chi-Square Test at 5.00% Level Passed
Lower/Upper Bounds (0.031/2.241)

Adjusted Elevations and Error Propagation (FeetUS)

Station	Elev	StdDev	95%	Description
100	94.6290	0.000000	0.000000	M122
162	90.9000	0.000000	0.000000	N122
107	88.9545	0.007922	0.015527	
128	97.4668	0.012358	0.024222	TAFT 5
131	97.7151	0.012401	0.024306	
133	98.9201	0.012410	0.024322	
139	96.4965	0.012191	0.023895	TAFT RM2
140	95.8741	0.012123	0.023761	

Adjusted Observations and Residuals

=====

Adjusted Differential Level Observations (FeetUS)

From	To	Elev Diff	Residual	StdErr	StdRes
100	107	-5.6745	0.0055	0.0084	0.7
107	128	8.5123	0.0163	0.0145	1.1
128	131	0.2483	0.0013	0.0041	0.3
131	133	1.2050	0.0010	0.0035	0.3
133	139	-2.4236	0.0044	0.0075	0.6
139	140	-0.6224	0.0006	0.0029	0.2
140	162	-4.9741	0.0189	0.0156	1.2

Elapsed Time = 00:00:01

TAFT-WELL.RAW

410081+?.....1
110082+00000128 83..11+00097470
110083+00000128 32..01+00007450 331107+00046691 52..07+0003+001
110084+00000201 32..01+00007190 332107+00016497 52..07+0003+001
110085+00000201 573..1+00000270 574..1+00014640 83..01+00100489
110086+00000201 32..01+00007200 331107+00019530 52..07+0003+001
110087+00000128 32..01+00007480 332107+00049749 52..07+0003+000
110088+00000128 573..1-00000020 574..1+00029310 83..01+00097468

TAFT-WELL.log

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Input Field File : J:\2002\A020801.03\levelpak\TAFT\TAFT-WELL.RAW
Output Data File : J:\2002\A020801.03\STARNET\TAFT-WELL.dat
Date Processed : 04-24-2005 15:24:36

Line	Point	Type	E	D	Sum E	Sum D	Desc
3	128	B	4.6691	7.4500	0.0000	0.0000	
4	201	F	1.6497	7.1900	3.0194	14.6400	
Line	Point	Type	E	D	Sum E	Sum D	Desc
6	201	B	1.9530	7.2000	0.0000	0.0000	
7	128	F	4.9749	7.4800	-3.0219	14.6800	

Process completed with 0 errors and 0 warnings.

Summary of Files Used and Option Settings
=====

Project Folder and Data Files

Project Name TAFT
Project Folder J:\2002\A020801.03\STARNET
Data File List TAFT-WELL.dat

Project Option Settings

STAR*NET Run Mode : Adjust with Error Propagation
Type of Adjustment : Lev
Project Units : FeetUS
Input/Output Coordinate Order : North-East
Create Coordinate File : Yes

Instrument Standard Error Settings

Project Default Instrument
Differential Levels : 0.015000 FeetUS / Mile

Listing of Input Data

=====

[File: J:\2002\A020801.03\STARNET\TAFT-WELL.DAT]

STAR*DNA Version 4.0.2

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Input Field File : J:\2002\A020801.03\levelpak\TAFT\TAFT-WELL.RAW

Date Processed : 04-24-2005 15:24:36

.Units FeetUS

.Sep -

.3D

#ADJUSTED NAVD 88 ELVATIONS

E 128 97.47 !

Elevation Difference Records

Stations

	Diff	Dist	Descriptor
L 128-201	3.01940	15	
L 201-128	-3.02190	15	

Summary of Unadjusted Input Observations

Number of Entered Stations (FeetUS) = 1

Fixed Stations	Elev	Description
128	97.4700	

Number of Differential Level Observations (FeetUS) = 2

From	To	Elev Diff	StdErr	Length
128	201	3.0194	0.0008	15
201	128	-3.0219	0.0008	15

Adjustment Statistical Summary

=====
Number of Stations = 2
Number of Observations = 2
Number of Unknowns = 1
Number of Redundant Obs = 1

Observation	Count	Sum Squares of StdRes	Error Factor
Level Data	2	4.889	2.211
Total	2	4.889	2.211

The Chi-Square Test at 5.00% Level Passed
Lower/Upper Bounds (0.031/2.241)

Adjusted Elevations and Error Propagation (FeetUS)

Station	Elev	StdDev	95%	Description
128	97.4700	0.000000	0.000000	
201	100.4907	0.000565	0.001108	

Adjusted Observations and Residuals
=====

Adjusted Differential Level Observations (FeetUS)

From	To	Elev Diff	Residual	StdErr	StdRes
128	201	3.0207	0.0013	0.0008	1.6
201	128	-3.0207	0.0012	0.0008	1.6

Elapsed Time = 00:00:00



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.35
1 National Geodetic Survey, Retrieval Date = APRIL 27, 2006
AK1788 *****
AK1788 DESIGNATION - M 122
AK1788 PID - AK1788
AK1788 STATE/COUNTY- FL/ORANGE
AK1788 USGS QUAD - PINE CASTLE (1980)
AK1788
AK1788 *CURRENT SURVEY CONTROL
AK1788
AK1788 * NAD 83(1986)- 28 26 54. (N) 081 20 19. (W) SCALED
AK1788 * NAVD 88 - 28.843 (meters) 94.63 (feet) ADJUSTED
AK1788
AK1788 GEOID HEIGHT- -27.80 (meters) GEOID03
AK1788 DYNAMIC HT - 28.801 (meters) 94.49 (feet) COMP
AK1788 MODELED GRAV- 979,188.9 (mgal) NAVD 88
AK1788
AK1788 VERT ORDER - FIRST CLASS II
AK1788
AK1788 This mark is at Orlando Int'l Airport (MCO)
AK1788
AK1788 The horizontal coordinates were scaled from a topographic map and have
AK1788 an estimated accuracy of +/- 6 seconds.
AK1788
AK1788 The orthometric height was determined by differential leveling
AK1788 and adjusted by the National Geodetic Survey in June 1991..
AK1788
AK1788 The geoid height was determined by GEOID03.
AK1788
AK1788 The dynamic height is computed by dividing the NAVD 88
AK1788 geopotential number by the normal gravity value computed on the
AK1788 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AK1788 degrees latitude (g = 980.6199 gals.).
AK1788
AK1788 The modeled gravity was interpolated from observed gravity values.
AK1788
AK1788 ;
AK1788 ; SPC FL E - North East Units Estimated Accuracy
AK1788 ; 455,940. 166,830. MT (+/- 180 meters Scaled)
AK1788
AK1788 SUPERSEDED SURVEY CONTROL
AK1788
AK1788 * NGVD 29 (??/??/92) 29.129 (m) 95.57 (f) ADJ UNCH 1 2
AK1788
AK1788 Superseded values are not recommended for survey control.
AK1788 NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AK1788 See file dsdata.txt to determine how the superseded data were derived.
AK1788
AK1788 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM668469(NAD 83)
AK1788 MARKER: DB = BENCH MARK DISK
AK1788 SETTING: 32 = SET IN A RETAINING WALL OR CONCRETE LEDGE
AK1788 SP_SET: CULVERT HEADWALL
AK1788 STAMPING: M 122 1945
AK1788 MARK LOGO: USE
AK1788 MAGNETIC: N = NO MAGNETIC MATERIAL
AK1788 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AK1788 +STABILITY: SURFACE MOTION
AK1788 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AK1788 +SATELLITE: SATELLITE OBSERVATIONS - April 15, 2005
AK1788
AK1788 HISTORY - Date Condition Report By
AK1788 HISTORY - 1945 MONUMENTED USE
AK1788 HISTORY - 1945 GOOD NGS
AK1788 HISTORY - 1973 GOOD LOCENG
AK1788 HISTORY - 19901113 GOOD FL-095
AK1788 HISTORY - 19960316 GOOD USPSQD
AK1788 HISTORY - 20050326 GOOD GEOCAC
AK1788 HISTORY - 20050415 GOOD INDIV
AK1788
AK1788 STATION DESCRIPTION

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DATASHEETS

AK1788
AK1788 DESCRIBED BY NATIONAL GEODETIC SURVEY 1945
AK1788 1.5 MI S FROM PINE CASTLE.
AK1788 1.5 MILE SOUTH ALONG STATE HIGHWAY NO. 3A FROM THE POST OFFICE AT
AK1788 PINE CASTLE, THENCE 1.5 MILE EAST ALONG A ASPHALT ROAD, AT THE
AK1788 PINE CASTLE ARMY AIR FIELD, ABOUT 0.2 MILE SOUTH OF THE MAIN GATE,
AK1788 ABOUT 0.1 MILE NORTH OF POST HEADQUARTERS, AT A RAILROAD CROSSING,
AK1788 51 FEET NORTH OF THE CENTERLINE OF THE RAILROAD CROSSING, 24 FEET
AK1788 WEST OF THE CENTERLINE OF THE PAVED STREET LEADING TO POST
AK1788 HEADQUARTERS, BRONZE DISK SET IN THE NORTH END OF A CONCRETE CULVERT.
AK1788 STAMPED M 122 1945. NOTE-- PINECastle ARMY AIR FIELD IS NOW MC COY
AK1788 AFB. ABOUT 750 FEET SOUTH OF MAIN GATE TO MC COY AFB ALONG ENTRANCE
AK1788 ROAD, 23 FEET WEST OF CENTERLINE PAVING, 22.6 FEET SOUTHEAST OF
AK1788 POWER POLE I-95, 26 FEET EAST OF SEWAGE LIFT STATION 3.

AK1788
AK1788 STATION RECOVERY (1973)

AK1788 RECOVERY NOTE BY LOCAL ENGINEER (INDIVIDUAL OR FIRM) 1973
AK1788 RECOVERED IN GOOD CONDITION.

AK1788
AK1788 STATION RECOVERY (1990)

AK1788 RECOVERY NOTE BY ORANGE COUNTY FLORIDA 1990
AK1788 3-INCH US ENGINEERING DEPT-HARBOR SURVEY BRASS DISK IN NORTH END OF
AK1788 1-FT BY 21-FT CONCRETE HEADWALL WITH WINGWALL ON WEST SIDE OF
AK1788 DAETWYLER DRIVE, ABOUT 23 FT (7.0 M) WEST OF THE CENTER LINE OF
AK1788 DAETWYLER DRIVE, ABOUT 420 FT (128.0 M) NORTH OF THE CENTER LINE OF
AK1788 1ST STREET, ABOUT 575 FT (175.3 M) SOUTH OF THE CENTER LINE OF
AK1788 JETPORT DRIVE, AND ABOUT 40 FT (12.2 M) SOUTHEAST OF POWER POLE
AK1788 NUMBER 821551. T23S, R30E, SECTION 32. (DESCRIPTION SOURCE--THE
AK1788 ORANGE COUNTY ENGINEERING DEPARTMENT.)

AK1788
AK1788 STATION RECOVERY (1996)

AK1788 RECOVERY NOTE BY US POWER SQUADRON 1996
AK1788 RECOVERED IN GOOD CONDITION.

AK1788
AK1788 STATION RECOVERY (2005)

AK1788 RECOVERY NOTE BY GEOCACHING 2005 (MAG)
AK1788 RECOVERED IN GOOD CONDITION.

AK1788
AK1788 STATION RECOVERY (2005)

AK1788 RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2005 (ADJ)
AK1788 RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.35
1 National Geodetic Survey, Retrieval Date = APRIL 27, 2006
AK1791 *****
AK1791 DESIGNATION - N 122
AK1791 PID - AK1791
AK1791 STATE/COUNTY- FL/ORANGE
AK1791 USGS QUAD - PINE CASTLE (1980)
AK1791
AK1791 *CURRENT SURVEY CONTROL
AK1791
AK1791 * NAD 83(1986)- 28 26 28. (N) 081 20 12. (W) SCALED
AK1791 * NAVD 88 - 27.706 (meters) 90.90 (feet) ADJUSTED
AK1791
AK1791 GEOID HEIGHT- -27.81 (meters) GEOID03
AK1791 DYNAMIC HT - 27.665 (meters) 90.76 (feet) COMP
AK1791 MODELED GRAV- 979,187.6 (mgal) NAVD 88
AK1791
AK1791 VERT ORDER - FIRST CLASS II
AK1791
AK1791.This mark is at Orlando Int'l Airport (MCO)
AK1791
AK1791.The horizontal coordinates were scaled from a topographic map and have
AK1791.an estimated accuracy of +/- 6 seconds.
AK1791
AK1791.The orthometric height was determined by differential leveling
AK1791.and adjusted by the National Geodetic Survey in June 1991..
AK1791
AK1791.The geoid height was determined by GEOID03.
AK1791
AK1791.The dynamic height is computed by dividing the NAVD 88
AK1791.geopotential number by the normal gravity value computed on the
AK1791.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AK1791.degrees latitude (g = 980.6199 gals.).
AK1791
AK1791.The modeled gravity was interpolated from observed gravity values.
AK1791
AK1791; North East Units Estimated Accuracy
AK1791;SPC FL E - 455,140. 167,020. MT (+/- 180 meters Scaled)
AK1791
AK1791 SUPERSEDED SURVEY CONTROL
AK1791
AK1791 NGVD 29 (??/??/92) 27.991 (m) 91.83 (f) ADJ UNCH 1 2
AK1791
AK1791.Superseded values are not recommended for survey control.
AK1791.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AK1791.See file dsdata.txt to determine how the superseded data were derived.
AK1791
AK1791_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM670461(NAD 83)
AK1791_MARKER: DB = BENCH MARK DISK
AK1791_SETTING: 30 = SET IN A LIGHT STRUCTURE
AK1791_SP_SET: CULVERT
AK1791_STAMPING: N 122 1945
AK1791_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
AK1791_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AK1791+SATELLITE: SATELLITE OBSERVATIONS - April 15, 2005
AK1791
AK1791 HISTORY - Date Condition Report By
AK1791 HISTORY - 1945 MONUMENTED CGS
AK1791 HISTORY - 20050326 GOOD GEOCAC
AK1791 HISTORY - 20050415 GOOD INDIV
AK1791
AK1791 STATION DESCRIPTION
AK1791
AK1791'DESCRIBED BY COAST AND GEODETIC SURVEY 1945
AK1791'1.5 MI S FROM PINE CASTLE.
AK1791'1.5 MILES SOUTH ALONG STATE HIGHWAY NO. 3A FROM THE POST OFFICE
AK1791'AT PINE CASTLE, THENCE 1.5 MILE EAST ALONG A ASPHALT ROAD, AT THE
AK1791'PINE CASTLE ARMY AIR FIELD, ABOUT 1.0 MILE NORTH OF THE MAIN
AK1791'HANGAR, ABOUT 0.6 MILE SOUTH OF THE POST HEADQUARTERS, ABOUT 30

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DATASHEETS

AK1791' FEET NORTH OF A POINT WHERE A POWER LINE CROSSES OVER THE PAVED
AK1791' STREET, 24 FEET WEST OF THE CENTERLINE OF THE PAVED STREET,
AK1791' IRON DISK SET IN THE NORTH END OF A CONCRETE CULVERT. STAMPED
AK1791' N 122 1945. NOTE-- PINECASTLE ARMY AIR FIELD IS NOW MC COY AFB.
AK1791' THE POWER LINE DOES NOT CROSS THE ROAD ANYMORE. THE MARK IS
AK1791' DIRECTLY WEST OF BUILDING 140, 8595 AVENUE C, AND ABOUT 500 FEET
AK1791' NW OF THE COMMISSARY STORE.

AK1791
AK1791 STATION RECOVERY (2005)

AK1791 RECOVERY NOTE BY GEOCACHING 2005 (MAG)
AK1791 RECOVERED IN GOOD CONDITION

AK1791
AK1791 STATION RECOVERY (2005)

AK1791 RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2005 (ADJ)
AK1791 MARK FOUND IN HEADWALL ON THE WEST SIDE OF AVENUE C. ALL BUILDINGS IN
AK1791 THE AREA ARE GONE. MARK IS APPROXIMATELY MIDWAY BETWEEN EAST
AK1791 LANDSTREET ROAD AND 3RD STREET.

*** retrieval complete.
Elapsed Time = 00:00:00