```
Identification_Information:
        Citation:
                Citation_Information:
                        Originator: Charles B. Gardiner, PS(comp.)
                        Originator: MACTEC, Inc.
                        Publication_Date: Unpublished material
                        Publication_Time: Unknown
                        Title: S.F.W.M.D. Well KRCN
                        Edition: 1
                        Publication_Information:
                                Publication_Place: Not Published
                                Publisher: None
                        Online_Linkage: CBGardiner@mactec.com
        Description:
                Abstract:
                        South Florida Water Management District,
                        Kissimmee River Well KRCN
                Purpose:
                        To establish NAVD 88 and NGVD 29 elevations on the
                        well platform at the reference mark (mark point).
                        Also establish a nearby site benchmark
                Supplemental_Information: There is a lock on the well.  See point of
contact for key.
        Time_Period_of_Content:
                Time_Period_Information:
                        Single_Date/Time:
                                Calendar_Date: 20050623
                                Time_of_Day: 08150000
                Currentness_Reference: Date and time of field work
        Status:
                Progress: Complete
                Maintenance_and_Update_Frequency: Unknown
        Spatial_Domain:
                Bounding_Coordinates:
                        West_Bounding_Coordinate: -081.267675
                        East_Bounding_Coordinate: -080.774650
                        North_Bounding_Coordinate: +27.639777
                        South_Bounding_Coordinate: +27.121016
        Keywords:
                Theme:
                        Theme_Keyword_Thesaurus: None
                        Theme_Keyword: Record Survey
                        Theme_Keyword: Well Site
                Place:
                        Place_Keyword_Thesaurus: None
                        Place_Keyword: S.F.W.M.D. Well KRCN
                        Place_Keyword: Sec. 26, Twp. 34 S., Rge 31 E.
                        Place_Keyword: Okeechobee County
                        Place_Keyword: Florida
                        Place_Keyword_Thesaurus: Geographic Names Information System
                        Place_Keyword: Florida
                        Place_Keyword: Okeechobee County
                        Place_Keyword: KRCN SITE
        Access_Constraints: None
        Use_Constraints: There is a lock on the well.  See point of contact for key.
        Point_of_Contact:
                Contact_Information:
                        Contact_Organization_Primary:
                                Contact_Organization: South Florida Water Management
District
                                Contact_Person: Howard J. Ehmke, P.S.M.
                        Contact_Position: Lead Project Manager
                        Contact_Address:
```

Charles B. Gardiner
MACTEC Inc.

Purpose

Survey Date

Howard J. Ehmke
SFWMD

Address_Type: physical address
Address: 8894 Belvedere Road
City: West Palm Beach
State_or_Province: Florida
Postal_Code: 33411
Country: USA
Contact_Voice_Telephone: 561-242-5520
Contact_Electronic_Mail_Address: hehmke@sfwmd.gov
Hours_of_Service: 8:00 am to 5:00 pm EST

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:

Equipment Used

This Survey was prepared using GPS and Leveling instruments.
The horizontal location of each well was established using a Trimble ProXR (sub-meter) GPS receiver. Running a level circuit to this site would require crossing miles of marshland, therefore the orthometric height (and horizontal position) of the benchmark at this site was derived through a GPS network using Trimble Navigation, Ltd. Dual Frequency geodetic GPS receivers model 5700.
The network design and session length conformed to guidelines set forth by Ronnie Taylor (NOAA, National Geodetic Survey, National Ocean Service Advisor) and approved by NGS.
The vertical data at each well site was collected using a Wild NA2 Level (SN 188247).
Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/99.
Elevations are based on NAVD 88 and NGVD 29.

Logical_Consistency_Report:
The horizontal position for the well was established using sub-meter GPS equipment.
The horizontal and vertical position for the site benchmark was established through a GPS network using NGS control stations F 555 (PID DF8362), U 462 (PID AH8813), B 463 (PID AH8821), FLGPS 55 (PID AF7416), C 358 (PID AF6702), R 553 (PID DF8387), KR 1746 (PID AH9316), KR 1495 (PID AH9327), 343334 2 (PID AH9325), KR 1631 GPS (PID AJ6095), KR 1625 GPS (PID AH9319).

Project Results

Completeness_Report:
Horizontal location taken at approximate center of structure.
Lat. + 27° 29' 22.45"
Long. - 81° 11' 16.25"
N 1147185. USft
E 595267. USft

KRCNND

KRCNND M.P. -- Existing reference mark at well is the top of a 2" PVC pipe in center of recorded box floor.
Newly leveled elevations.
13.263 (m) 43.51 (ft) NAVD 88 based on published NGS values.

KRCNNM

13.626 (m) 44.71 (ft) NGVD 29

KRCNNM M.P. -- Existing reference mark at well is the top of a 2" PVC pipe in center of recorded box floor.

Newly leveled elevations.
13.245 (m) 43.45 (ft) NAVD 88 based on published NGS values.
13.608 (m) 44.65 (ft) NGVD 29

KRCNNS

KRCNNS M.P. -- Existing reference mark at well is the top of a 2" PVC pipe in center of recorded box floor.
Newly leveled elevations.
13.283 (m) 43.58 (ft) NAVD 88 based on published NGS values.
13.646 (m) 44.77 (ft) NGVD 29

PC 52

PC 52 M.P. -- Existing reference mark (Mark Point) is a black marked square located at the perimeter of circular opening in recorded box wood floor.
Newly leveled elevations.
13.278 (m) 43.56 (ft) NAVD 88 based on published NGS values.
13.641 (m) 44.76 (ft) NGVD 29

42.00' mark on staff gauge
Newly leveled elevations.
12.447 (m) 40.84 (ft) NAVD 88 based on published NGS values.
12.810 (m) 42.03 (ft) NGVD 29

KRCN 2005 Benchmark

Site Benchmark "KRCN 2005"
To reach the station from the U.S. Post Office in Lorida, Florida; go East on U.S. Highway No. 98 for 8.9 miles to a paved road on the left (S-65-C Lock access road). Turn left on paved road and go North for +/- 1.4 miles to Structure S-65-C boat ramp on the left; thence by boat along the Kissimmee River travel North for +/- 7.6 miles to
Lat. + 27° 29' 22.47763"
Long. - 81° 11' 16.25266"
N 1147188.22 USft
E 595266.74 USft
Mark is a SFWMD 3 1/2" brass disk; stamped [KRCN] [2005]; set in top of a 16" diameter PVC pipe filled with concrete.
Newly leveled elevations.
12.090 (m) 39.67 (ft) NAVD 88 based on published NGS values.
12.453 (m) 40.86 (ft) NGVD 29

Horizontal

United States Department of the Interior Geologic Survey Quadrangle map -- Basinger NW
Positional_Accuracy:
Horizontal_Positional_Accuracy:
Horizontal_Positional_Accuracy_Report:
The horizontal position of the well was established using a Trimble ProXR GPS receiver with integrated differentially corrected GPS (DGPS). Positions were

differentially corrected using correction signals broadcasted by the US Coast Guard.
The horizontal position of the benchmark at this site
was derived through a GPS network using Trimble Navigation, Ltd. Dual Frequency (geodetic) GPS receivers
(5700).
The network design and session length conformed to guidelines set forth by Ronnie Taylor (NOAA, National
Geodetic Survey, National Ocean Service Advisor) and approved by NGS.
Observations were made on Julian days 173 to 208.
Observations were adjusted using GeoLab 2001.90.20.0 software.
NAD 83/99 values were derived via a network adjustment using NGS published NAD 83/99 values for control stations F 555 (PID DF8362), U 462 (PID AH8813),
B 463 (PID AH8821), FLGPS 55 (PID AF7416), C 358 (PID AF6702), R 553 (PID DF8387), KR 1746 (PID AH9316), KR 1495 (PID AH9327), 343334 2 (PID AH9325), KR 1631 GPS (PID AJ6095), KR 1625 GPS (PID AH9319).
Quantitative_Horizontal_Positional_Accuracy_Assessment:
Horizontal_Positional_Accuracy_Value: +/-1 meter (+/-3 feet)
Horizontal_Positional_Accuracy_Explanation: The intended accuracy for the well is +/-1 meter
Quantitative_Horizontal_Positional_Accuracy_Assessment:
Horizontal_Positional_Accuracy_Value: +/-0.009 meters (95% Confidence Region)
Horizontal_Positional_Accuracy_Explanation: NAD83/99 adjustment produced a 95% Confidence Region of +/-0.009 meters for benchmark.

Vertical

Vertical_Positional_Accuracy:
Vertical_Positional_Accuracy_Report:
The vertical (orthometric) height of the benchmark at
this site was derived through a GPS network using Trimble
Navigation, Ltd. Dual Frequency (geodetic) GPS receivers
(5700).
The network design and session length conformed to guidelines set forth by Ronnie Taylor (NOAA, National
Geodetic Survey, National Ocean Service Advisor) and approved by NGS.
Observations were made on Julian days 173 to 208.
Observations were adjusted using GeoLab 2001.90.20.0 software.
NAVD 88 values were derived via a network adjustment using NGS published NAVD 88 values for control stations F 555 (PID DF8362), U 462 (PID AH8813),
B 463 (PID AH8821), FLGPS 55 (PID AF7416), C 358 (PID
AF6702), R 553 (PID DF8387), KR 1746 (PID AH9316), KR 1495 (PID AH9327), 343334 2 (PID AH9325), KR 1631 GPS (PID AJ6095), KR 1625 GPS (PID AH9319).
The NGVD 1929 elevations established for this survey are based upon a shift that was derived from the

analysis
of the difference between the NAVD 1988 and NGVD 1929 values for benchmarks throughout the project area.
The NAVD 1988 values were based upon values published by NGS and the NGVD 1929 values were published by SFWMD. An average shift of 0.363 meters
(1.193 feet) was derived from nine benchmarks that are
spread across a 26 kilometer (16 mile) project area along
the Kissimmee River. The standard deviation of the average is 0.001 meters (0.004 feet).

Quantitative_Vertical_Positional_Accuracy_Assessment:
Vertical_Positional_Accuracy_Value: +/-0.018 meters (95% Confidence Region)
Vertical_Positional_Accuracy_Explanation: NAVD88 adjustment produced a 95% Confidence Region of +/-0.018 meters for benchmark.

Lineage:
Process_Step:
Process_Description:
The horizontal position for the well was established using sub-meter GPS equipment.
The horizontal and vertical position for the site benchmark was established through a GPS network using
NGS control stations F 555 (PID DF8362), U 462 (PID AH8813), B 463 (PID AH8821), FLGPS 55 (PID AF7416), C 358 (PID AF6702), R 553 (PID DF8387), KR 1746 (PID AH9316), KR 1495 (PID AH9327), 343334 2 (PID AH9325), KR 1631 GPS (PID AJ6095), KR 1625 GPS (PID AH9319).
Process_Date: 20050623

Metadata_Reference_Information:
Metadata_Date: 20050615
Metadata_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Charles B. Gardiner, PS
Contact_Organization: MACTEC, Inc
Contact_Position: Principal Surveyor
Contact_Address:
Address_Type: mailing and physical address
Address: 4150 N. John Young Parkway
City: Orlando
State_or_Province: Florida
Postal_Code: 32804-2620
Country: USA
Contact_Voice_Telephone: 407-522-7570
Contact_Facsimile_Telephone: 407-522-7576
Contact_Electronic_Mail_Address: CBGardiner@mactec.com
Hours_of_Service: 8:00 am - 5:00 pm EST
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: June 08, 1994

KRCN

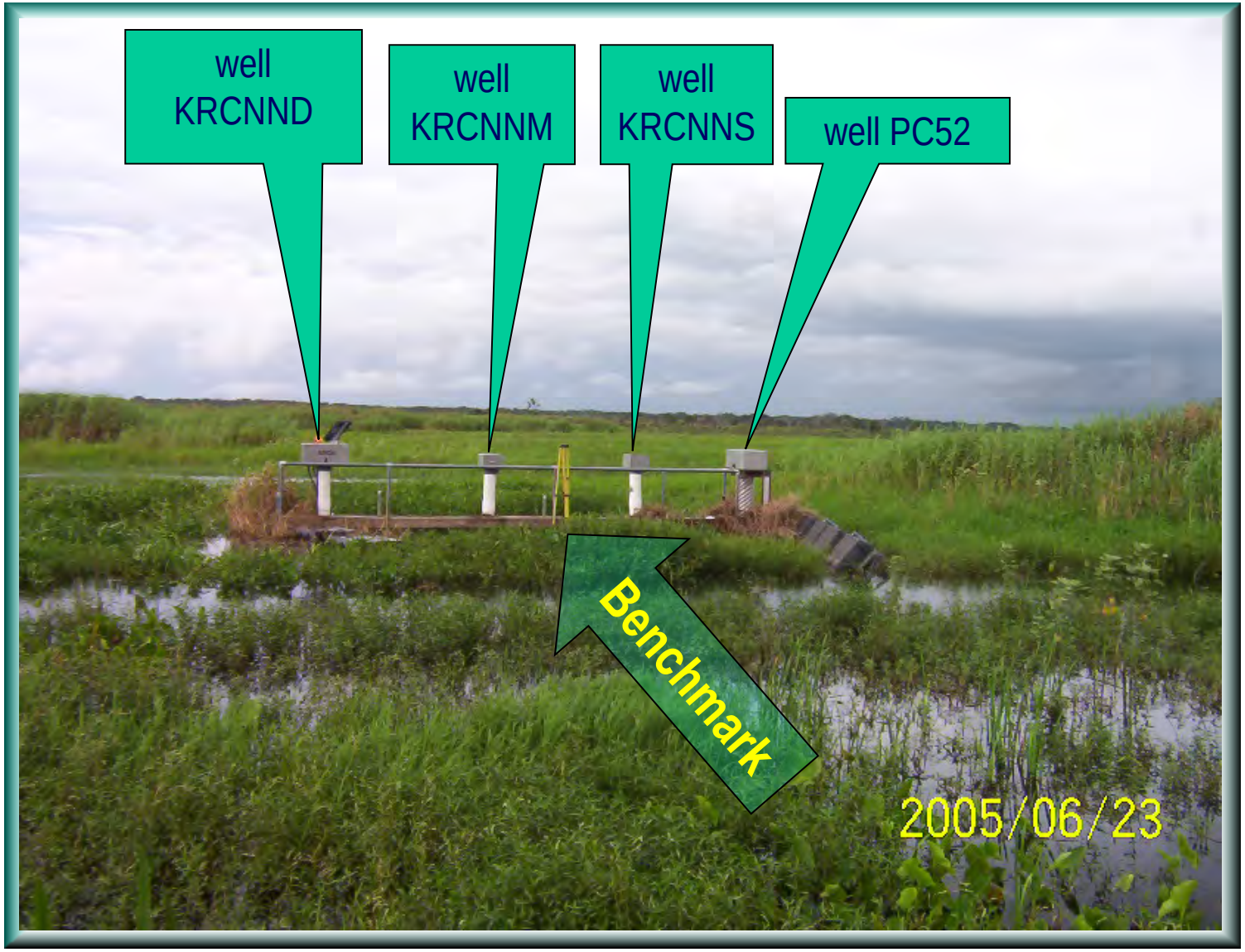


Photo Date: June 23, 2005
View: Looking West at well site, and benchmark "KRCN 2005".

KRCN

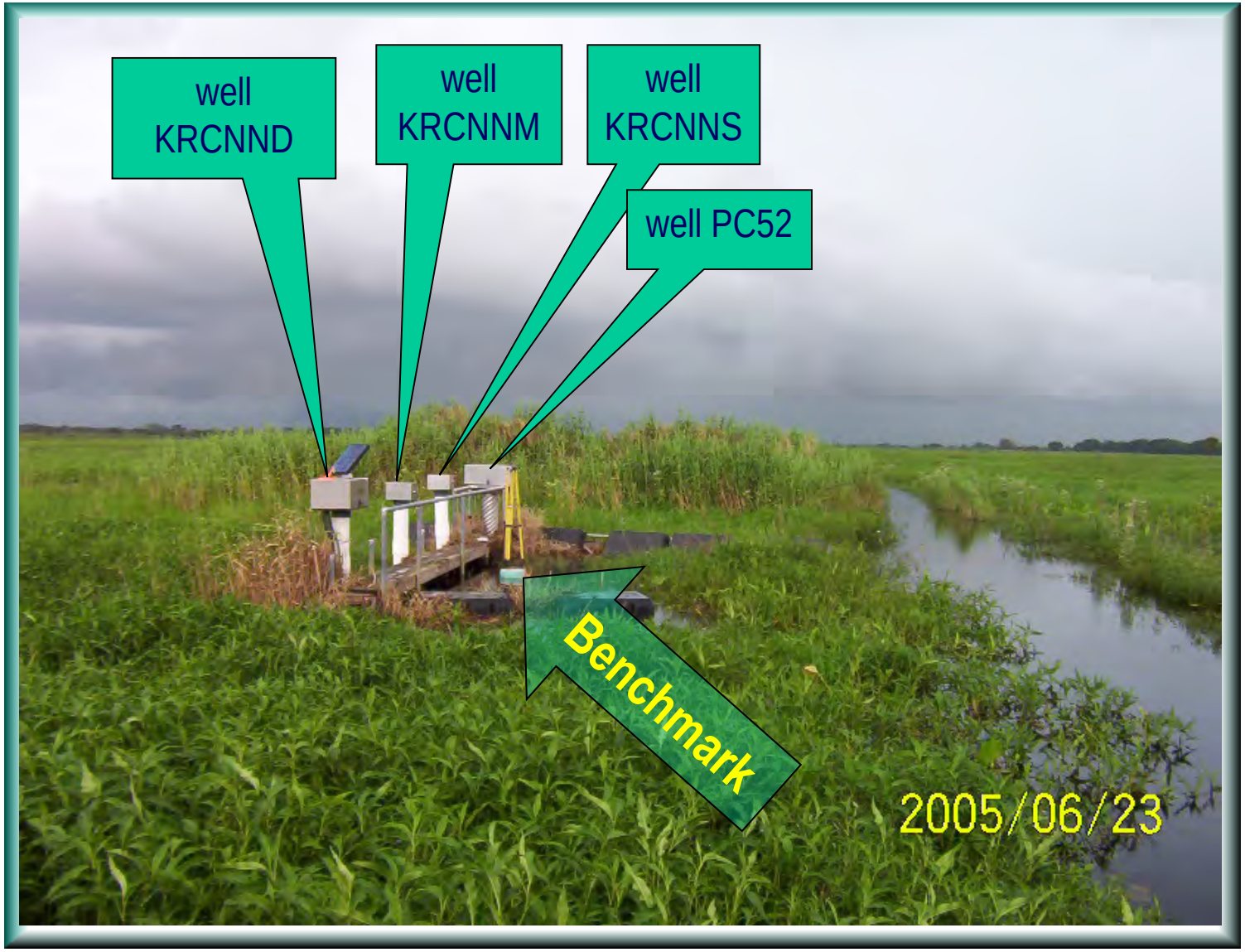


Photo Date: June 23, 2005
View: Looking Northerly at profile of well site and benchmark "KRCN 2005".

MACTEC, Inc.

KRCN

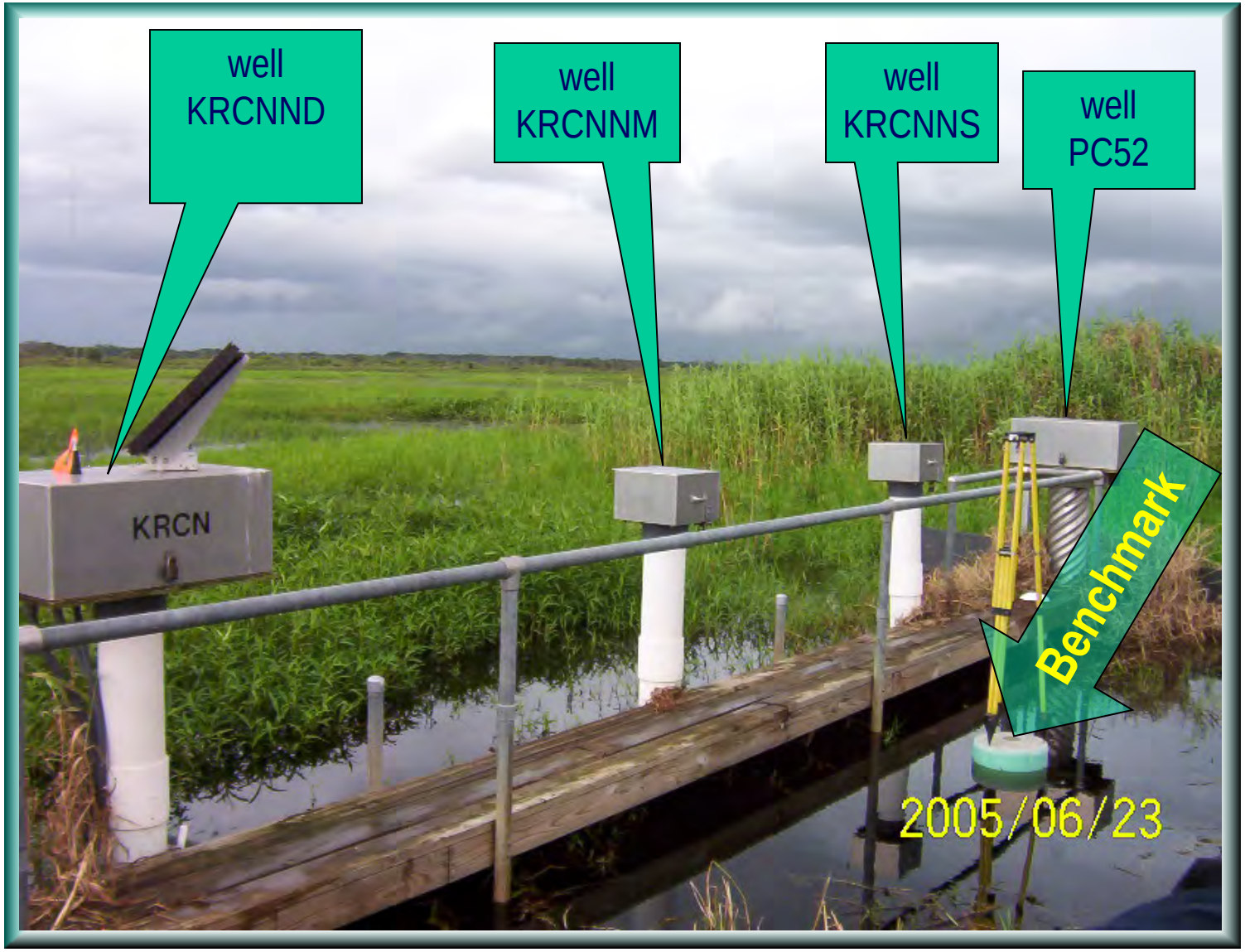


Photo Date: June 23, 2005
View: Looking Northwesterly at site KRCN

KRCN

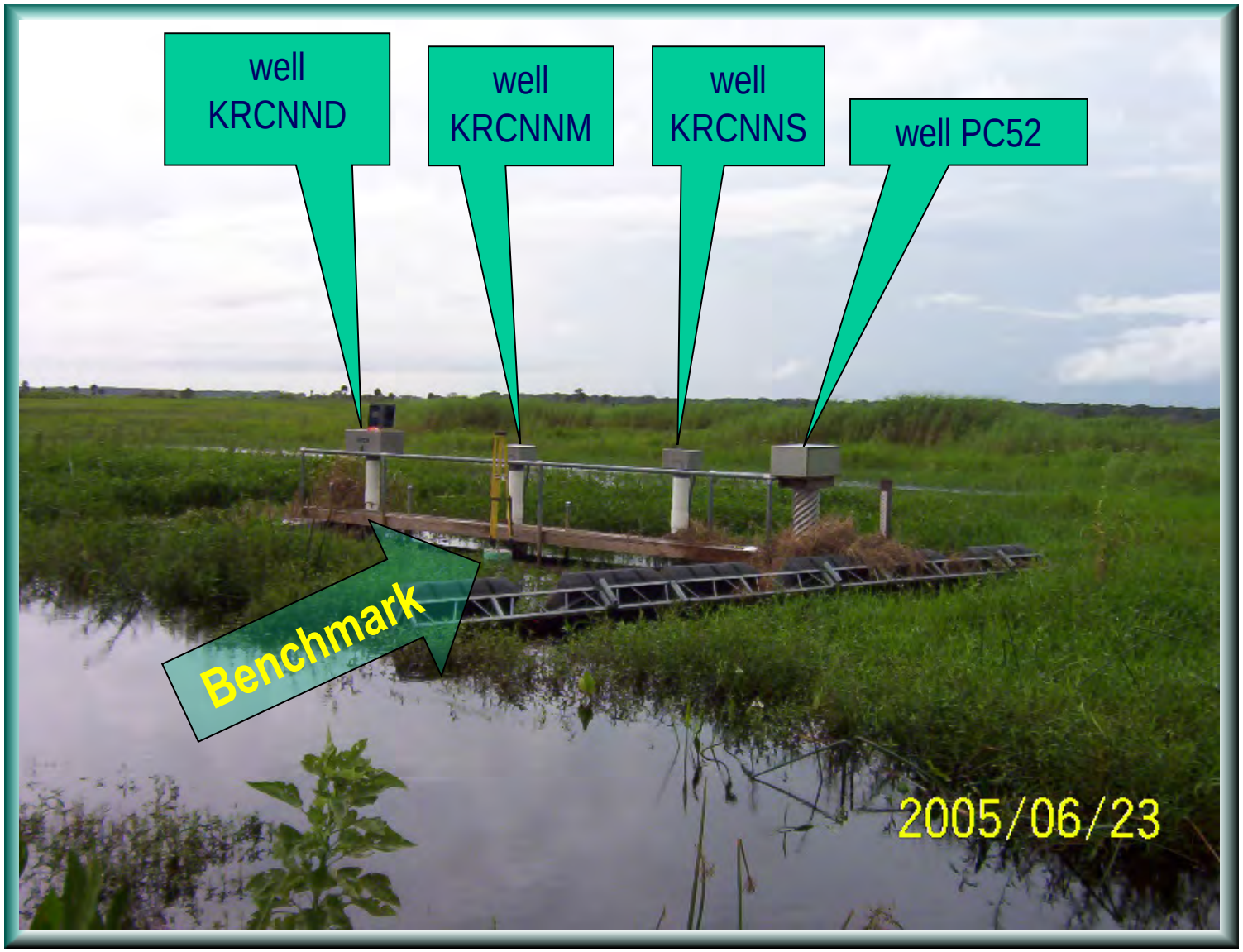


Photo Date: June 23, 2005
View: Looking Southwesterly at well site, and benchmark "KRCN 2005".

KRCN

Photo Date: June 23, 2005
View: Benchmark KRCN (3 ½" Brass Disk in concrete monument).

KRCN

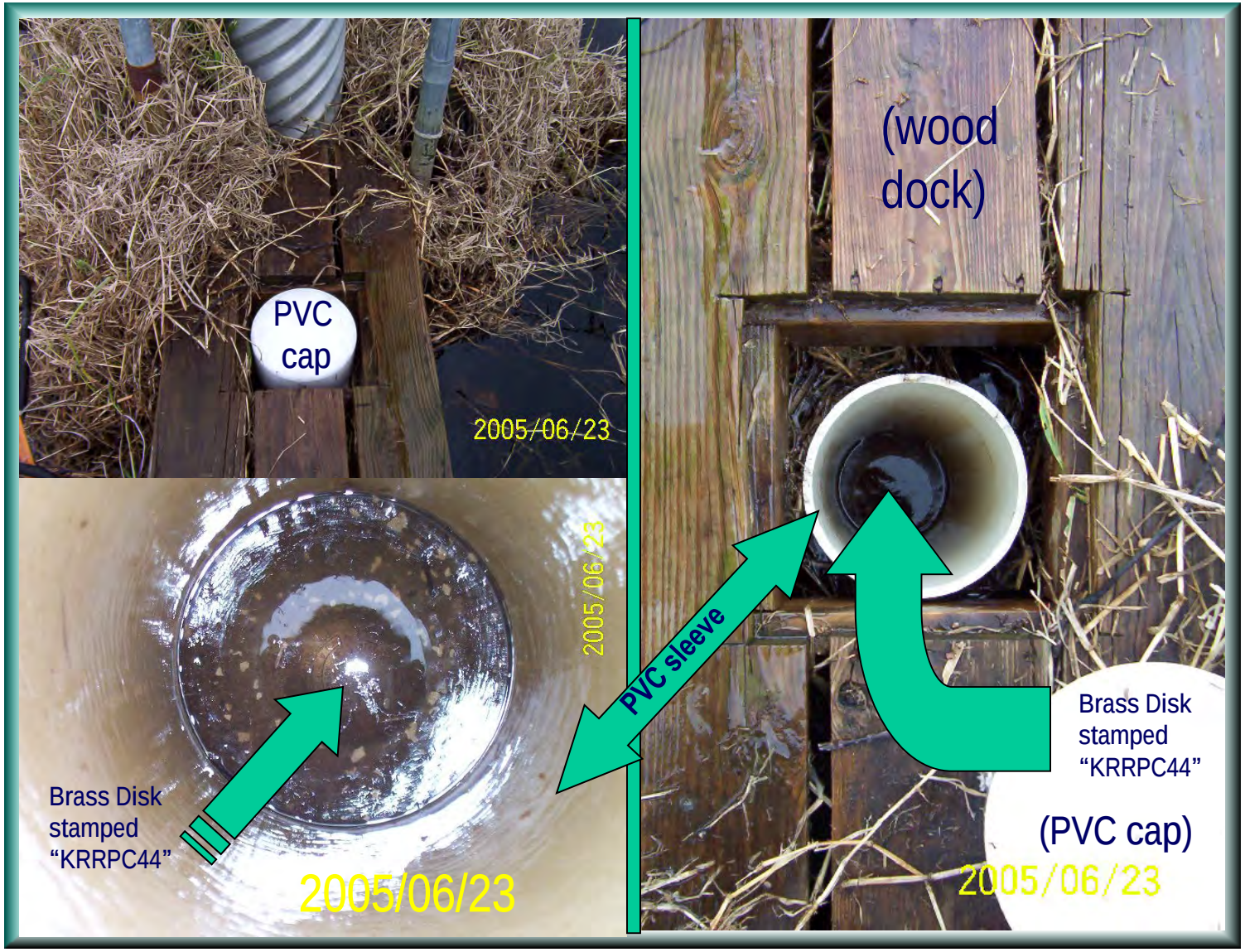


Photo Date: June 23, 2005

View: Top left: 8" diameter PVC sleeve in wooden platform cutout; Right: Overhead of same cutout containing Brass Disk stamped "KRRPC44".

KRCN

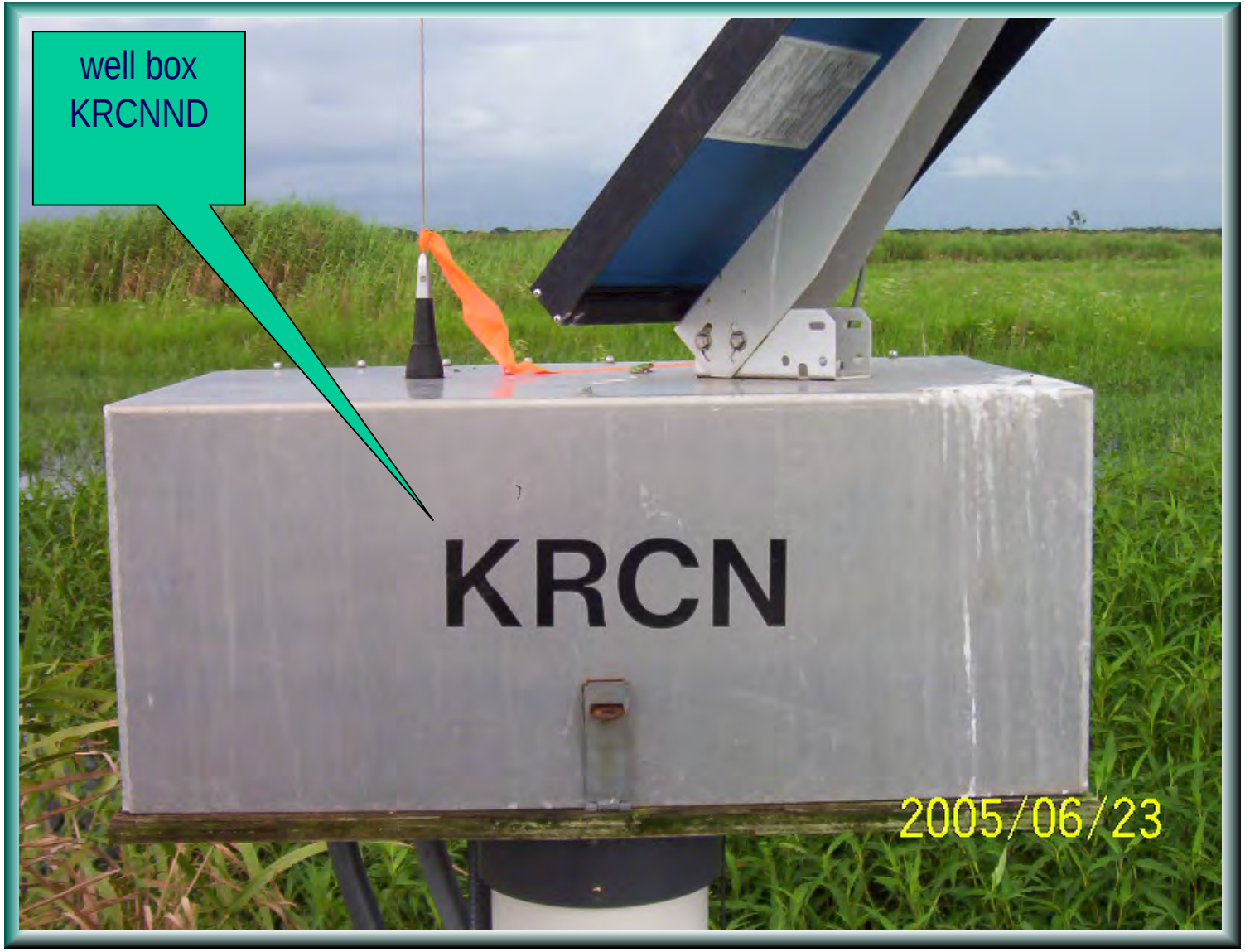


Photo Date: June 23, 2005
View: Closed well box, KRCNND.

KRCN

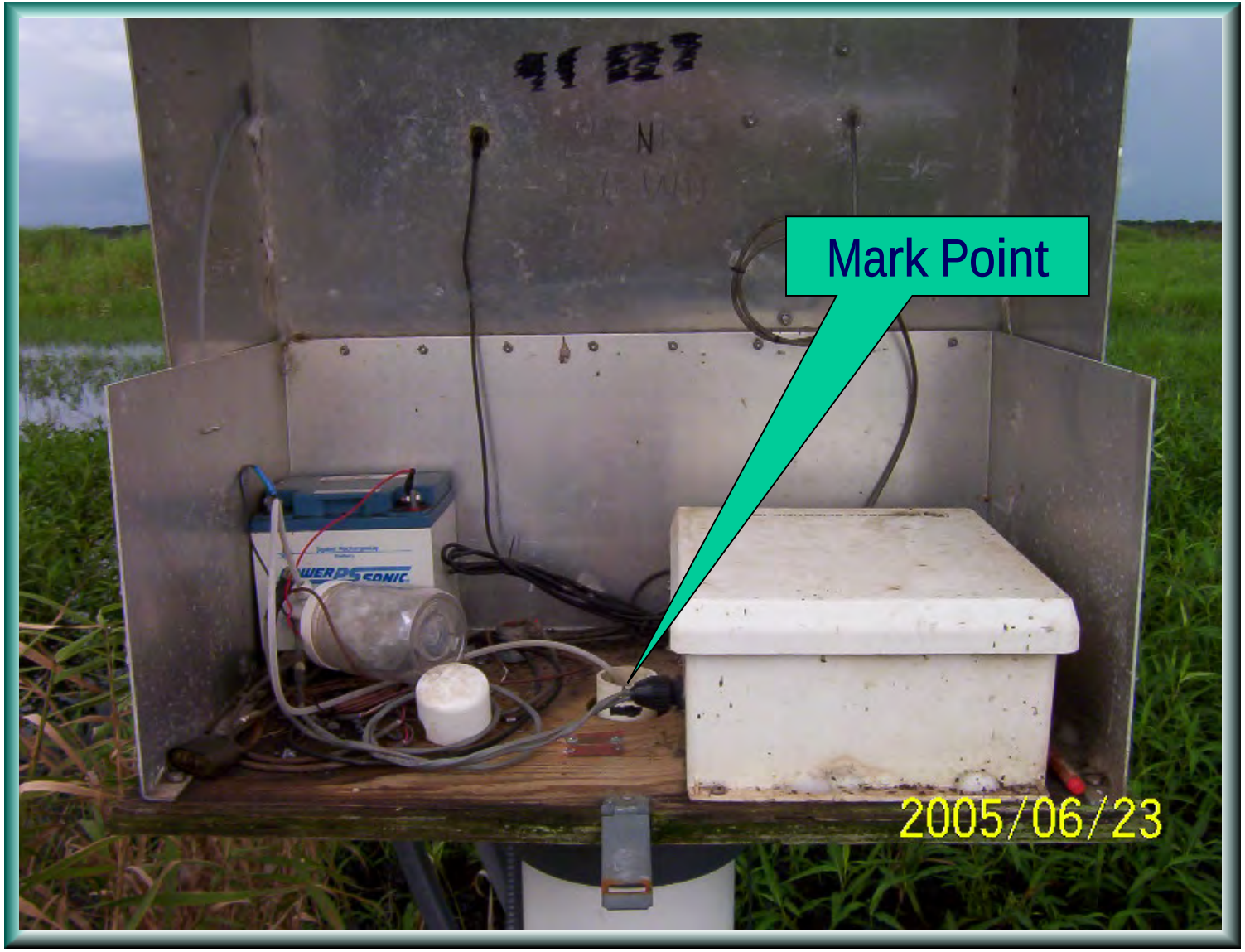


Photo Date: June 23, 2005
View: Opened well box, “KRCNND”.

MACTEC, Inc.

KRCN

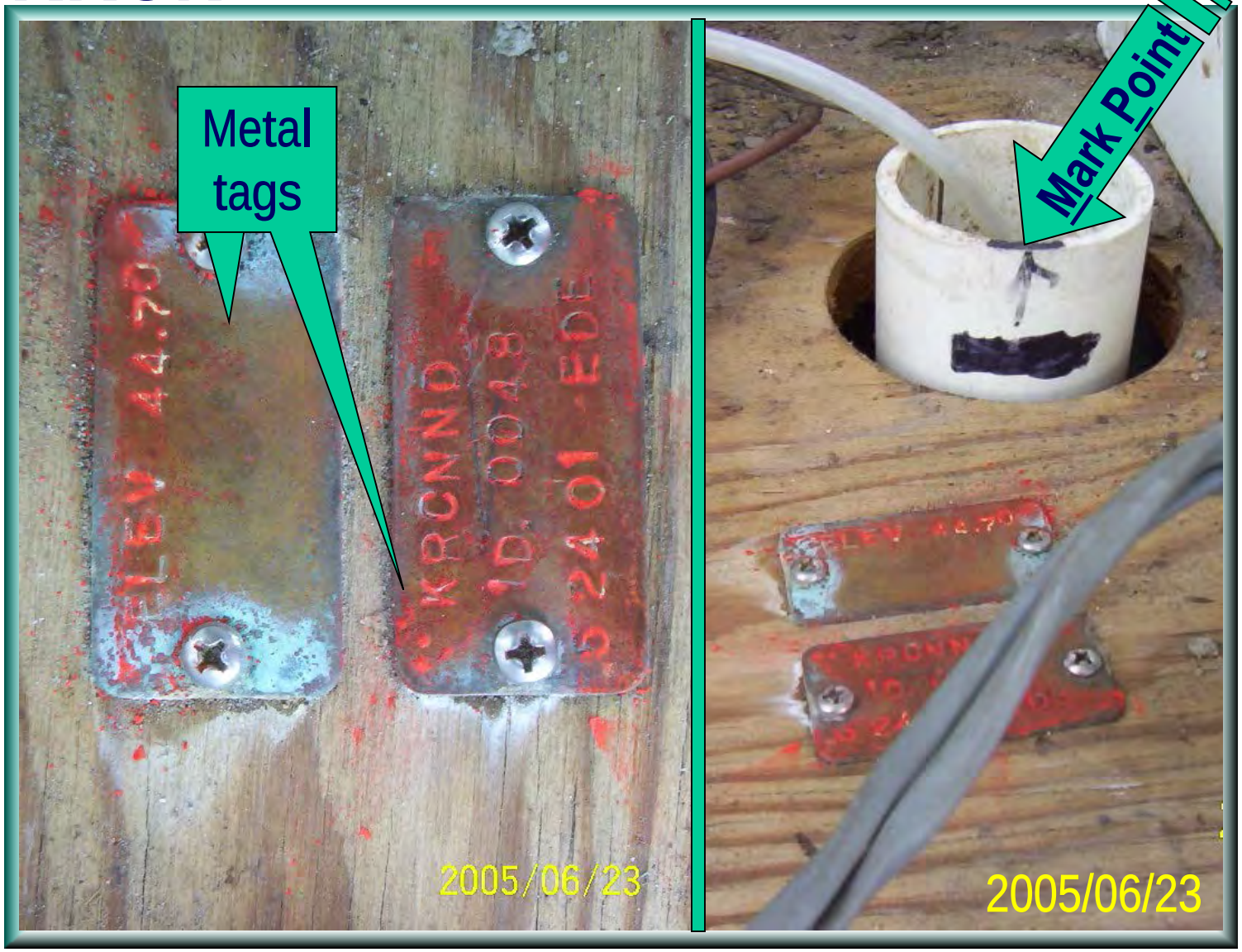


Photo Date: June 23, 2005
View: Inside well box, "KRCNND"
Left: Metal tags w/info.
Right: Mark Point top of 2" PVC pipe.

MACTEC, Inc.

KRCN

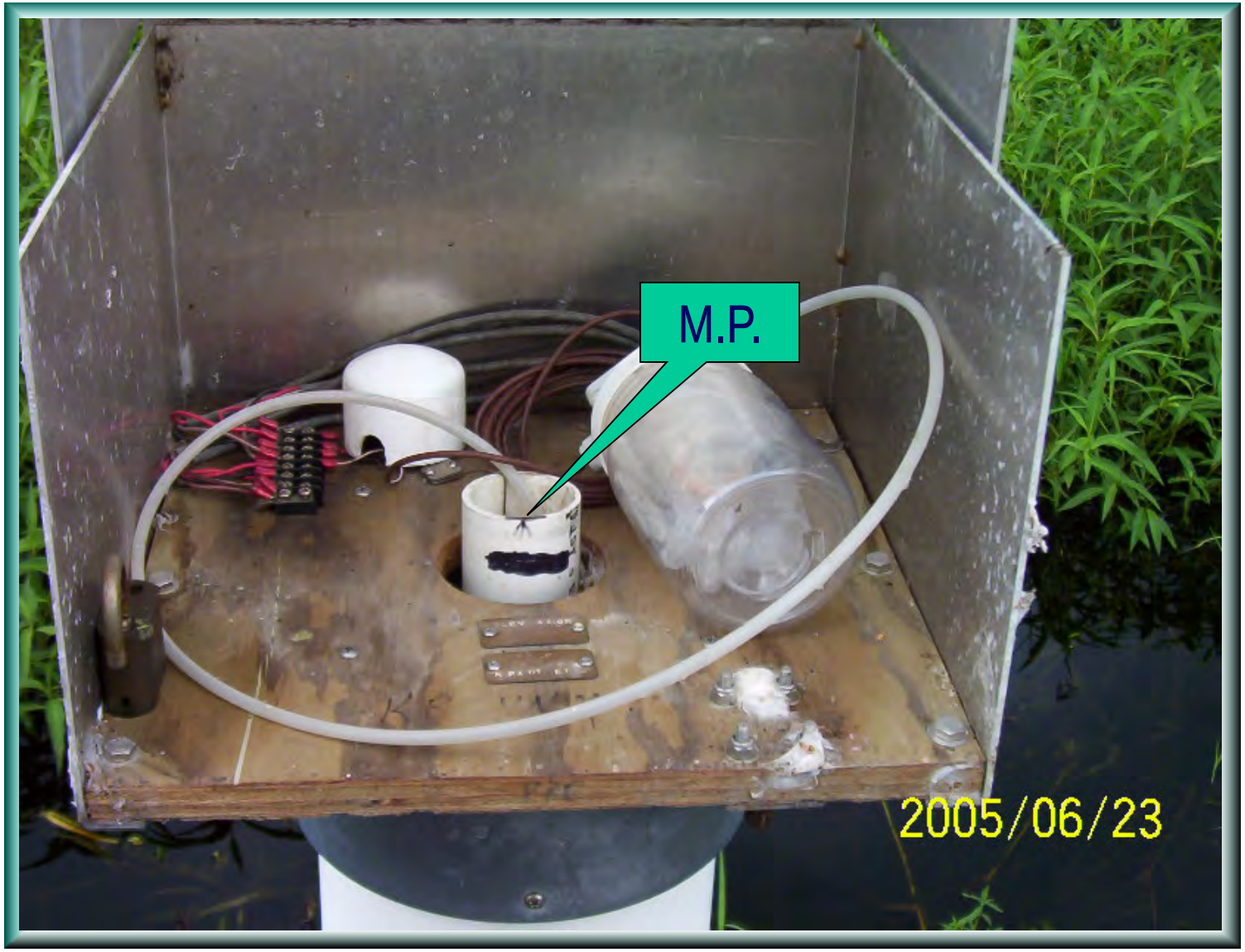


Photo Date: June 23, 2005
View: Opened well box, “KRCNNM”.

KRCN

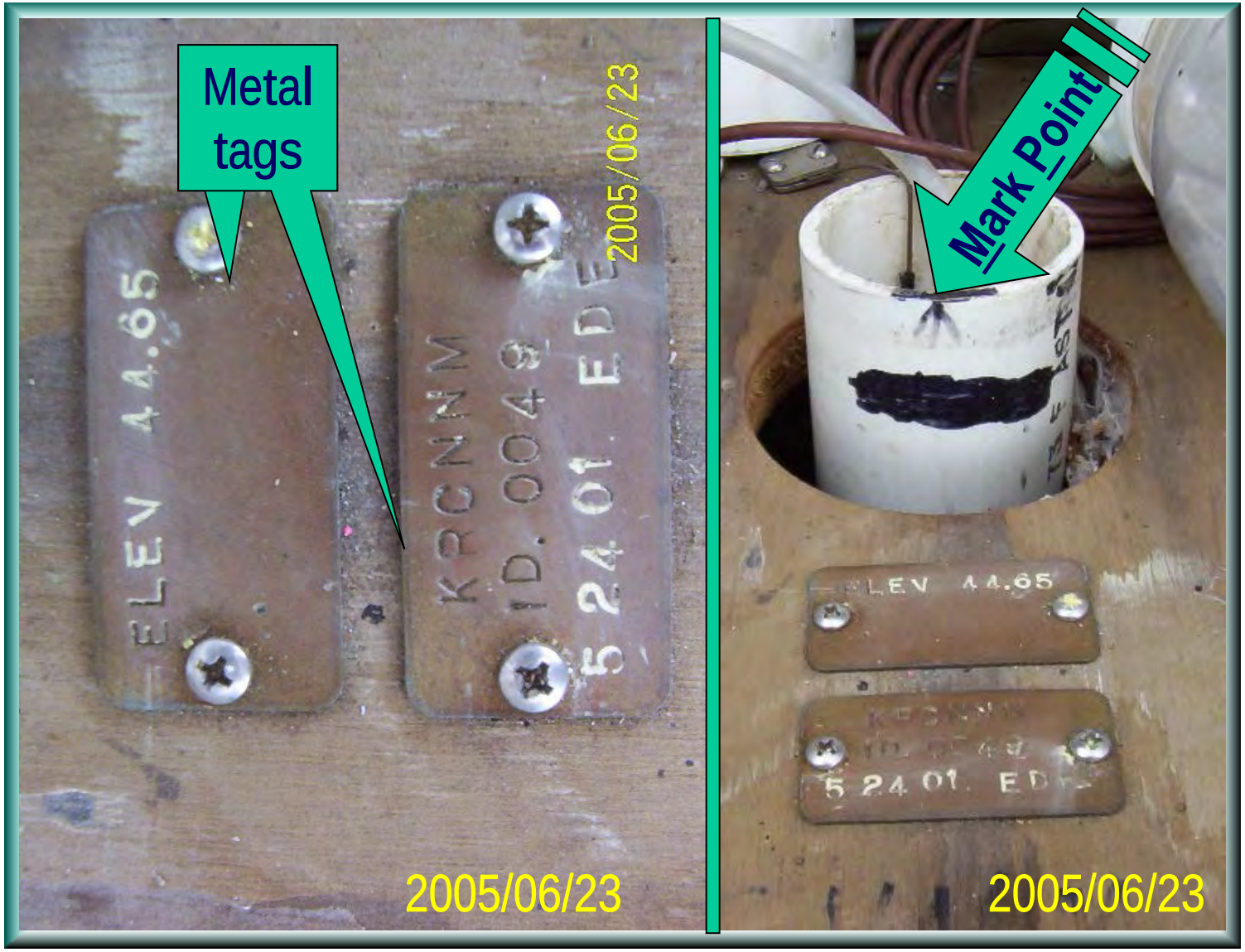


Photo Date: June 23, 2005
View: Inside well box, "KRCNNM"
Left: Metal tags w/info.
Right: Mark Point, top of 2" PVC pipe.

KRCN

Photo Date: June 23, 2005
View: Opened well box, “KRCNNS”.

KRCN

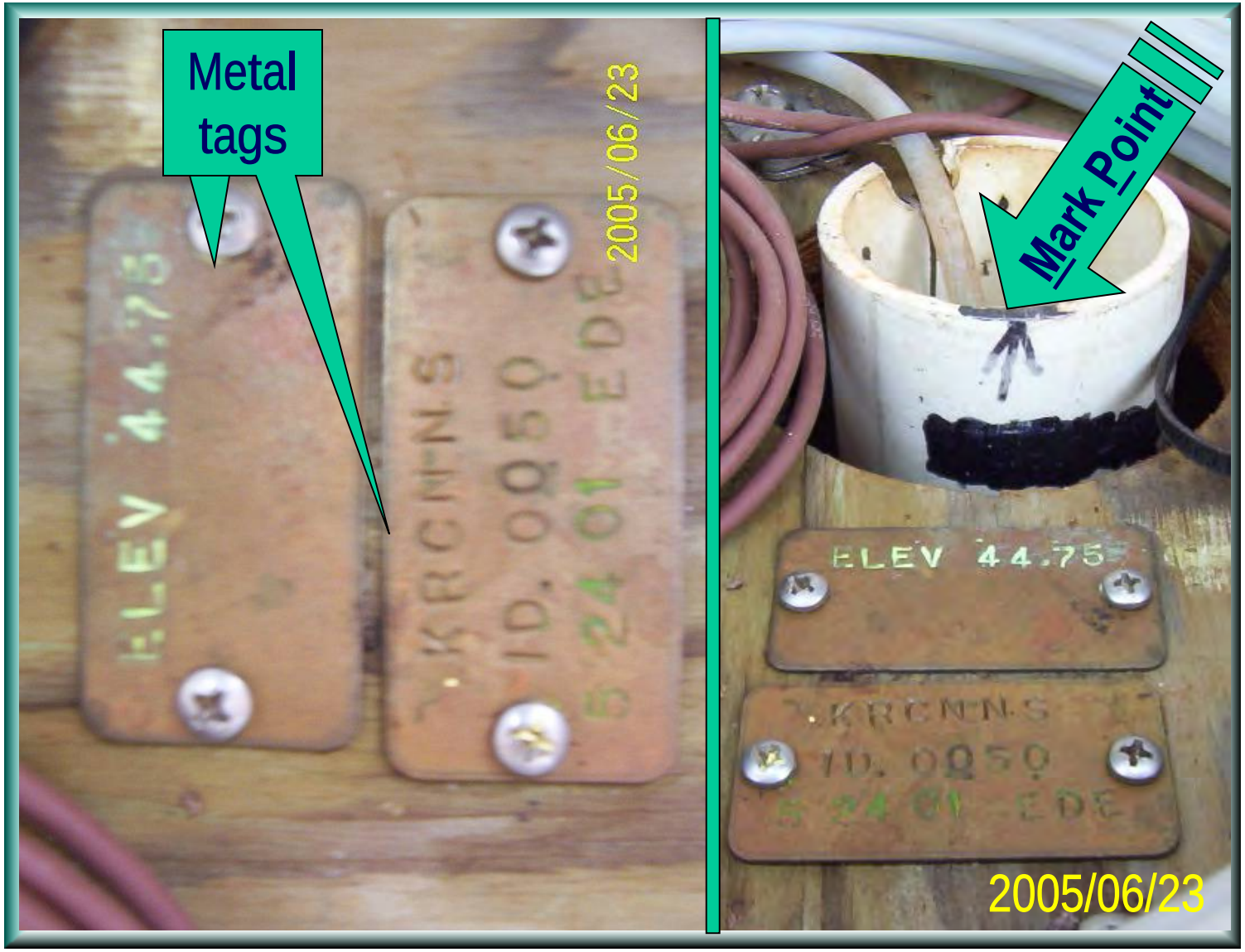


Photo Date: June 23, 2005
View: Inside well box, "KRCNNS"
Left: Metal tags w/info.
Right: Mark Point, top of 2" PVC pipe.

KRCN

Photo Date: June 23, 2005
View: Closed well box, “PC52”.

KRCN

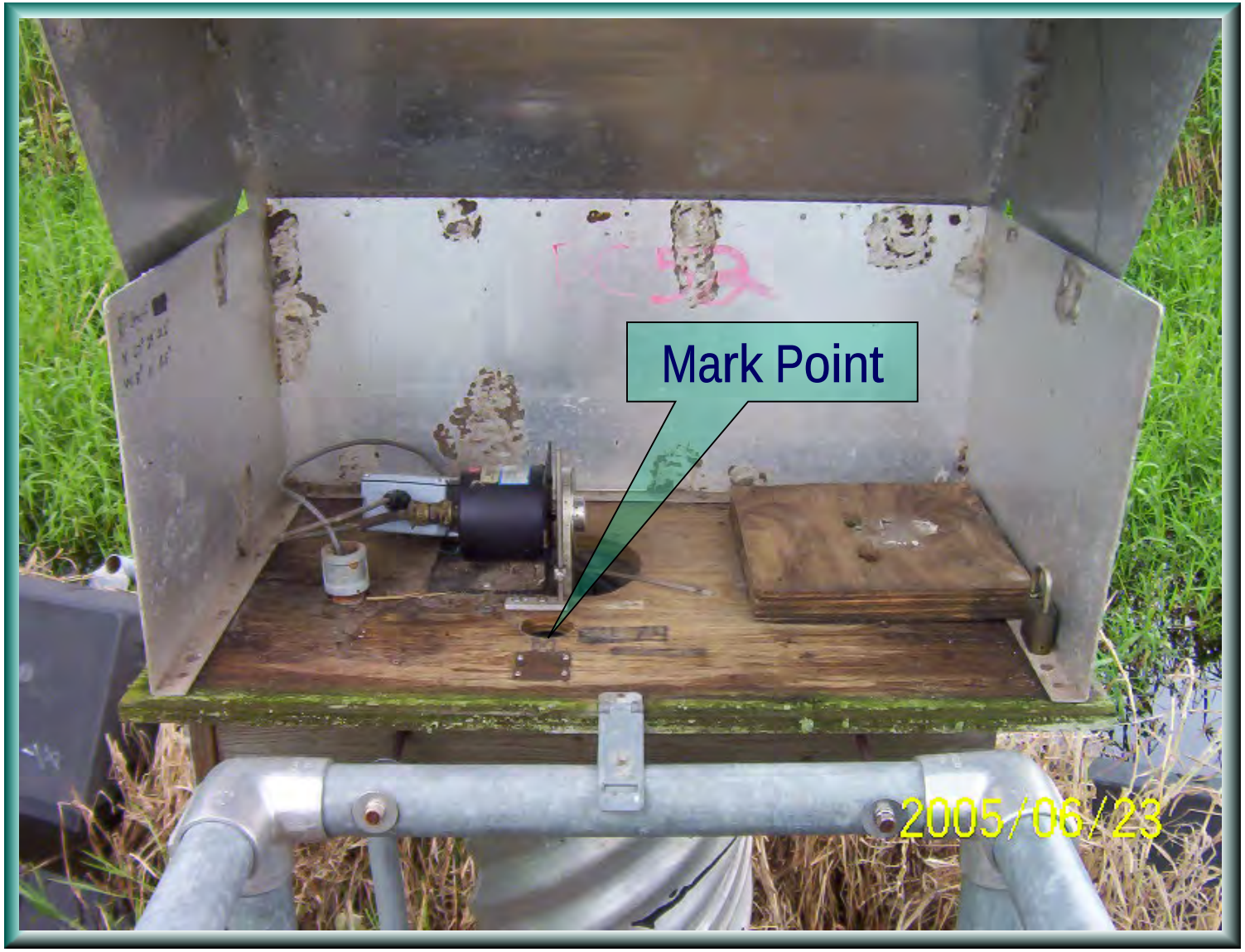


Photo Date: June 23, 2005
View: Opened well box, “PC52”.

KRCN

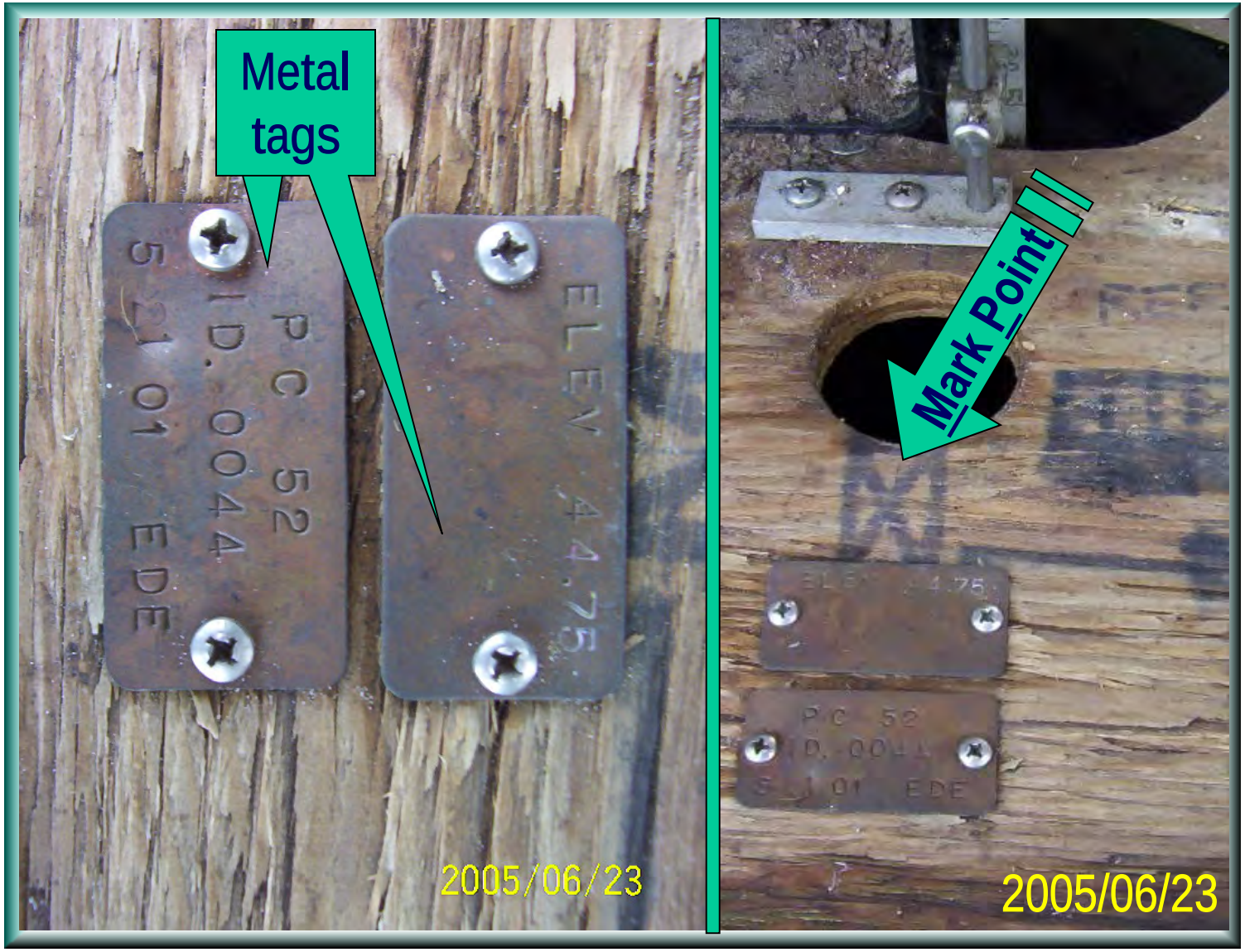


Photo Date: June 23, 2005
View: Inside well box, "PC52"
Left: Metal tags w/info.
Right: Mark Point top of 2" PVC pipe.

J. HUDSON
Z. REEBALS

S. F. W. M. D.

KRCN

SITE WORK

STA.	B.S.	MEAN	H.I.	F.S.	MEAN
	2.634				
KRCN	2.552	2.552	202.552		
	2.471				
	1.429			1.393	
KRCNND -	1.332	1.332	202.515	+ 1.295	1.295
	1.235			1.197	
	1.317			1.3660	
KRCNNM -	1.206	1.206	202.582	+ 1.273	1.273
	1.095			1.180	
	1.402			1.441	
KRCNNS -	1.293	1.293	202.621	+ 1.332	1.332
	1.184			1.222	
	1.484			1.395	
PC 52 -	1.355	1.355	202.544	+ 1.277	1.278
	1.226			1.161	

THURS. JUNE 23, 2005 / RAIN OUT /66

MON JUNE 27, 2005 / PEG-TEST ON PG. 71

WILD NA2 (188247)

ELEV	B.M. ELEV.	REMARKS
	ASSUMED	
	200.000	SET 16" DIAM 6' LONG PVC PIPE FILLED W/ CONC. W/ 3½" BRASS DISK (S.F.W.M.D) STAMPED "KRCN 2005" 0.4' ABOVE WATER
203.847		INVERTED ROD USING HAND LEVEL TO ELEVATE 2" PVC PIPE W/ MARKER SPOT & ARROW INSIDE BOX MARK POINT
203.788		SAME AS ABOVE
203.914		SAME AS ABOVE
203.899		SAME AS ABOVE

J. HUDSON
Z. REEBALS

S.F.W.M.D.

KRCN
SITE WORK

STA	B.S.	MEAN	H.I.	F.S.	MEAN
			202.544		
SS					1.629
SS					1.372
	1.982			2.043	
TBM 1	1.835	1.835	202.482	1.897	1.897
	1.688			1.751	
SS					1.567
SS					1.312

THURS. JUNE 23, 2005 / RAIN OUT

/67

ELEV.	B.M. ELEV.	REMARKS
		TOP OF WATER ELEV.
		42.00' MARK STAFF GUAGE
200.647		SET M.A.G NAIL LB4741 @ S. END WOOD PLATFORM
		TOP OF WATER ELEV.
		42.00' MARK STAFF GUAGE

J. HUDSON
Z. REEBALS

S. F. W. M. D.

KRCN

SITE

STA.	B.S.	MEAN.	H.I.	F.S.	MEAN
			202.482		
	5.177			5.236	
KRRPC44	5.050	5.050	202.421	5.111	5.111
	4.922			4.985	
				2.521	
KRNC				2.420	2.420
				2.319	

THURS. JUNE 23, 2005 / RAIN OUT

/68

ELEV	B.M. ELEV.	REMARKS
197.376		FOUND 8" DIAM. CONC. MON. w/ 3½" BRASS DISK
200.001		

J. HUDSON S.F.W.M.D.
Z. REEBALS KRCN
SITE WORK

DIGITAL PICTURES

PICTURE #	DESCRIPTION
79, 80	3½" BRASS DISK
81	2' +/- ABOVE C.M. w/DISK
82-84	KRCNND INSIDE BOX
85	KRCNND CLOSED BOX
86-88	KRCNNM INSIDE BOX
89-91	KRCNNS
92-94	PC 52 INSIDE BOX
95	PC 52 CLOSED BOX
96-98	MONUMENT KRRPC 44 IN 8" PVC
99-103	SITE PROFILES

TRIMBLE D.G.P.S

FEATURE	LAT	LONG
KRCN	N 27° 29' 22.45"	W 81° 11' 16.25"
KRCNND	N 27° 29' 22.38"	W 81° 11' 16.23"
KRCNNM	N 27° 29' 22.41"	W 81° 11' 16.29"
KRCNNS	N 27° 29' 22.49"	W 81° 11' 16.35"
PC 52	N 27° 29' 22.54"	W 81° 11' 16.37"

J. HUDSON
Z. REEBALS

S.F.W.M.D.

KRCN

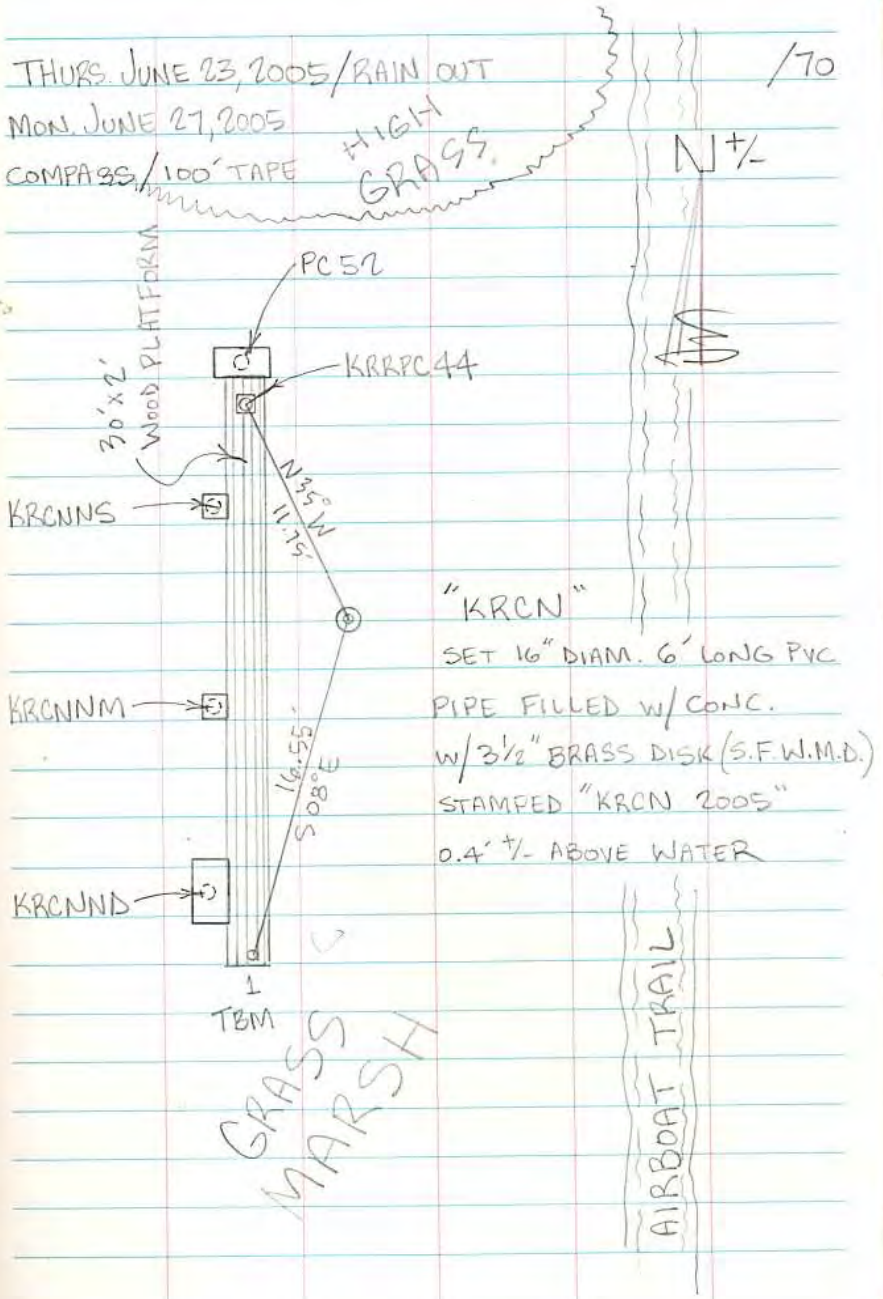
SITE WORK

REFERENCE	MAGNETIC BEARING	DIST. FT.
SET M.A.G NED LB4741 @ S. END WOOD PLATFORM	S. 08° E	16.55'
FOUND 8" C.M. W/ 3½" BRASS DISK (ARMY C.O.E) STAMPED "KRRPC44 JAX. DIST. 1998"	N 35° W	11.75'

NOTE: WOOD PLATFORM UNDER WATER 6/27/05
CHAIN DIST 11.75' IS BEST GUESS.

THURS. JUNE 23, 2005 / RAIN OUT
MON. JUNE 27, 2005
COMPASS / 100' TAPE

/70



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

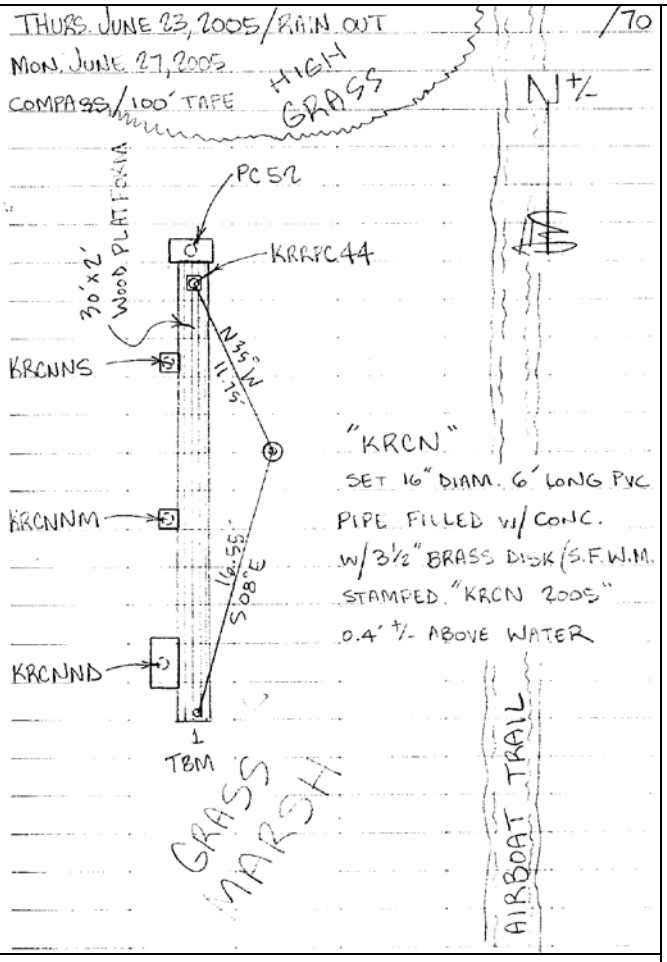
Rev. 4/01

COUNTY: ***OKEECHOBEE***	**PROJECT:** ***KISSIMMEE RIVER WELL SITES, C-C1991OP-WO05***	**DESIGNATION:** **KRCN**
SECTION: **26**	**TOWNSHIP:** **34 South**	**RANGE:** **31 East**
GEOGRAPHIC INDEX OF QUAD: **2810**		
Established by: **MACTEC, Inc.**	**NAME OF QUADRANGLE:** ***BASINGER NW***	
SURVEYOR **Charles B. Gardiner** **DATE** **06/23/2005**	**FIELD BOOK:** **KR-MEC 01** **PAGE:** **66-70**	
HORIZONTAL DATUM: **1927** **[1983]** **Other**_____ (circle one) ZONE **[E]** or **W**		
VERTICAL DATUM: MSL **1929** **[1988]** **Other** _____ (circle one)		
CONTROL ACCURACY: **HORIZONTAL** **[1]** **2** **3** _____ (circle one) **VERTICAL** **1** **2** **[3]**		
STATE PLANE COORDINATES	**X: 595266.74 USft**	**Y: 1147188.22 USft** **EL.: 39.67 ft**
LATITUDE: +27° 29' 22.47763"	**LONGITUDE: -81° 11' 16.25266"**	

DESCRIPTION

To reach the station from the U.S. Post Office in Lorida, Florida; go East on U.S. Highway No. 98 for 8.9 miles to a paved road on the left (S-65-C Lock access road). Turn left on paved road and go North for +/- 1.4 miles to Structure S-65-C boat ramp on the left; thence by boat along the Kissimmee River travel North for +/- 7.6 miles to the station located in grass marsh at:
Lat. + 27° 29' 22.47763"
Long. - 81° 11' 16.25266"

Mark is a SFWMD 3 1/2" brass disk; stamped [KRCN [2005]; set in top of a 16" diameter PVC pipe filled with concrete.



Notable Land marks:

Fixed adjustment

Microsearch GeoLab, V2001.9.20.0 WGS 84 UNITS: m,DMS Page 0001

Thu Sep 22 15:24:51 2005

Input file: P:\work\6374050150 - SFWMD Kissimmee River Wells\Surveying\GPS\TRIMBLE\SFWMD 20 WELLS STATIC TGO PROJECT\Export\92205fixed.iob
Output file: P:\work\6374050150 - SFWMD Kissimmee River Wells\Surveying\GPS\TRIMBLE\SFWMD 20 WELLS STATIC TGO PROJECT\Export\92205fixed.lst
Options file: C:\Program Files\Microsearch\GeoLab\default.gpj

Geoid File: C:\geolab\g2003u07pc.gsp

PARAMETERS		OBSERVATIONS	
Description	Number	Description	Number
No. of Stations	38	Directions	0
Coord Parameters	87	Distances	0
Free Latitudes	30	Azimuths	0
Free Longitudes	30	Vertical Angles	0
Free Heights	27	Zenithal Angles	0
Fixed Coordinates	27	Angles	0
Astro. Latitudes	0	Heights	0
Astro. Longitudes	0	Height Differences	0
Geoid Records	0	Auxiliary Params.	0
All Aux. Pars.	0	2-D Coords.	0
Direction Pars.	0	2-D Coord. Diffs.	0
Scale Parameters	0	3-D Coords.	0
Constant Pars.	0	3-D Coord. Diffs.	384
Rotation Pars.	0		
Translation Pars.	0		
	--------		--------
Total Parameters	87	Total Observations	384
Degrees of Freedom =	297		

SUMMARY OF SELECTED OPTIONS

OPTION	SELECTION
Computation Mode	Adjustment
Maximum Iterations	5
Convergence Criterion	0.00100
Angular Misclosure Limit Factor	5.00
Linear Misclosure Limit Factor	5.00
Residual Rejection Criterion	Tau Max
Confidence Region Types	1D 2D Station Relative
Relative Confidence Regions	Connected Only
Variance Factor (VF) Known	Yes
Scale Covariance Matrix With VF	Yes
Scale Residual Variances With VF	Yes
Force Convergence in Max Iters	No
Distances Contribute To Heights	No
Compute Full Inverse	Yes
Optimize Band Width	Yes
Generate Initial Coordinates	Yes
Re-Transform Obs After 1st Pass	Yes
Geoid Interpolation Method	Bi-Quadratic

Fixed adjustment

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Input Station Data:

FFF STATION	ELIP-LATITUDE ASTRO-LATITUDE N/S DEFLECTION NORTHING	ELIP-LONGITUDE ASTRO-LONGITUDE N/S DEFLECTION EASTING	ELIP-HEIGHT ORTHO-HEIGHT GEOID-HEIGHT PROJECTION
001 0001	N 27 30 43.00000	W 81 11 10.00000	-11.475
	N 27 30 45.24000	W 81 11 8.92887	14.656
	0 0 2.24	0 0 0.95	-26.131
	352141.828	181613.012	FLE0901
000 0002	N 27 30 17.42948	W 81 11 46.13432	-13.805
	N 27 30 17.42948	W 81 11 46.13432	-13.805
	0 0 2.41	0 0 1.27	-26.116
	351356.313	180620.121	FLE0901
111 0003	N 27 29 38.00965	W 81 12 37.58638	-11.777
	N 27 29 40.64965	W 81 12 35.71503	14.314
	0 0 2.64	0 0 1.66	-26.091
	350145.314	179205.957	FLE0901
111 0004	N 27 25 30.98854	W 81 12 51.30429	-9.976
	N 27 25 34.22854	W 81 12 47.86810	16.009
	0 0 3.24	0 0 3.05	-25.985
	342542.873	178816.320	FLE0901
111 0005	N 27 23 32.73045	W 81 8 55.12285	-13.815
	N 27 23 35.36045	W 81 8 50.86550	12.228
	0 0 2.63	0 0 3.78	-26.043
	338893.569	185298.647	FLE0901
111 0006	N 27 14 11.06574	W 81 3 14.29810	-16.523
	N 27 14 15.25574	W 81 3 6.16652	9.485
	0 0 4.19	0 0 7.23	-26.008
	321598.849	194654.607	FLE0901
001 0007	N 27 21 43.69713	W 81 3 14.10469	-14.519
	N 27 21 44.89713	W 81 3 9.47693	11.674
	0 0 1.20	0 0 4.11	-26.193
	335530.056	194665.941	FLE0901
000 0008	N 27 21 43.69713	W 81 3 14.10469	-13.797
	N 27 21 44.89713	W 81 3 9.47693	12.396
	0 0 1.20	0 0 4.11	-26.193
	335530.056	194665.941	FLE0901
111 0009	N 27 26 28.63306	W 81 7 29.43157	-12.669
	N 27 26 29.61306	W 81 7 26.63715	13.453
	0 0 0.98	0 0 2.48	-26.122
	344305.059	187658.266	FLE0901
000 0010	N 27 27 37.51075	W 81 10 21.02152	-14.420
	N 27 27 37.51075	W 81 10 21.02152	-14.420
	0 0 1.81	0 0 2.11	-26.083
	346430.681	182949.210	FLE0901
000 0011	N 27 27 40.70056	W 81 10 16.00124	-14.351

```
                N 27 27  40.70056 W 81 10  16.00124      -14.351
                   0  0      1.77    0  0      2.08      -26.085
                        346528.669         183087.183 FLE0901
000 0012        N 27 27  46.27803 W 81 10   1.95717      -14.479
                N 27 27  46.27803 W 81 10   1.95717      -14.479
                   0  0      1.65    0  0      2.03      -26.091
                        346699.814         183473.006 FLE0901
000 0013        N 27 27  52.96797 W 81  9  52.47823      -14.361
                N 27 27  52.96797 W 81  9  52.47823      -14.361
                   0  0      1.58    0  0      2.02      -26.095
                        346905.376         183733.527 FLE0901
000 0014        N 27 27  52.72432 W 81  9  46.92884      -14.491
                N 27 27  52.72432 W 81  9  46.92884      -14.491
                   0  0      1.55    0  0      2.02      -26.097
                        346897.676         183885.876 FLE0901
111 0015        N 27 28  53.32725 W 81  9  11.79008      -11.051
                N 27 28  54.83725 W 81  9   9.91894       15.069
                   0  0      1.51    0  0      1.66      -26.120
                        348761.751         184852.914 FLE0901
000 0016        N 27 29  26.66265 W 81 11   7.52491      -14.072
                N 27 29  26.66265 W 81 11   7.52491      -14.072
                   0  0      2.21    0  0      1.40      -26.105
================================================================================
                              Fixed adjustment
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================================================================================
Input Station Data:
FFF STATION     ELIP-LATITUDE     ELIP-LONGITUDE    ELIP-HEIGHT
                ASTRO-LATITUDE    ASTRO-LONGITUDE   ORTHO-HEIGHT
                N/S DEFLECTION    N/S DEFLECTION    GEOID-HEIGHT
                NORTHING          EASTING           PROJECTION
--- ------------ ----------------- ----------------- ------------
                        349792.120         181677.425 FLE0901
000 0017        N 27 29  22.87603 W 81 11  14.89613      -14.010
                N 27 29  22.87603 W 81 11  14.89613      -14.010
                   0  0      2.24    0  0      1.45      -26.103
                        349675.875         181474.920 FLE0901
000 0018        N 27 29   7.20745 W 81 11  52.53497      -13.980
                N 27 29   7.20745 W 81 11  52.53497      -13.980
                   0  0      2.41    0  0      1.66      -26.089
                        349195.212         180441.008 FLE0901
000 0019        N 27 29   3.98425 W 81 11  50.75221      -14.013
                N 27 29   3.98425 W 81 11  50.75221      -14.013
                   0  0      2.40    0  0      1.68      -26.088
                        349095.927         180489.787 FLE0901
111 0020        N 27 27  54.32594 W 81  0  27.28064       -9.113
                N 27 27  54.34594 W 81  0  24.04608       17.151
                   0  0      0.02    0  0      2.87      -26.264
                        346936.421         199251.014 FLE0901
001 0021        N 27 23   5.00000 W 80 59  59.00000      -13.790
                N 27 23   4.77000 W 80 59  55.48624       12.497
                -  0  0      0.23    0  0      3.12      -26.287
                        338031.290         200027.475 FLE0901
000 0022        N 27 21  29.75562 W 81  1  46.52705      -17.611
                N 27 21  29.75562 W 81  1  46.52705      -17.611
                   0  0      0.62    0  0      3.70      -26.238
                        335100.151         197072.501 FLE0901
000 0023        N 27 19  31.62468 W 81  2  31.32970      -17.731
                N 27 19  31.62468 W 81  2  31.32970      -17.731
                   0  0      1.86    0  0      5.05      -26.189
                        331464.617         195840.042 FLE0901
111 0024        N 27 18  47.10108 W 81  1  29.14134      -16.186
                N 27 18  48.99108 W 81  1  23.73905       10.031
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                    0  0      1.89    0  0      4.80      -26.217
                         330093.797         197549.289 FLE0901
000 0055         N 27 15  58.71592 W 80 51  25.26425      -14.062
                 N 27 15  58.71592 W 80 51  25.26425      -14.062
                    0  0      0.23    0  0      4.49      -26.590
                         324919.052         214157.270 FLE0901
000 KRAFTBM1     N 27 27  52.97329 W 81  9  52.28193      -13.318
                 N 27 27  52.97329 W 81  9  52.28193      -13.318
                    0  0      1.58    0  0      2.02      -26.095
                         346905.533         183738.917 FLE0901
000 KRANTBM2     N 27 27  46.41533 W 81 10   2.17021      -13.648
                 N 27 27  46.41533 W 81 10   2.17021      -13.648
                    0  0      1.66    0  0      2.03      -26.091
                         346704.047         183467.162 FLE0901
000 KRBFTBM2     N 27 27  37.62747 W 81 10  21.12433      -14.149
                 N 27 27  37.62747 W 81 10  21.12433      -14.149
                    0  0      1.81    0  0      2.11      -26.083
                         346434.277         182946.392 FLE0901
000 KRBNTBM1     N 27 27  40.71908 W 81 10  16.15239      -13.932
                 N 27 27  40.71908 W 81 10  16.15239      -13.932
                    0  0      1.77    0  0      2.08      -26.085
                         346529.245         183083.033 FLE0901
000 KRCFTBM1     N 27 29  26.26484 W 81 11   8.91110      -13.851
                 N 27 29  26.26484 W 81 11   8.91110      -13.851
                    0  0      2.21    0  0      1.40      -26.105
                         349779.933         181639.358 FLE0901
000 KRCFTBM2     N 27 29  26.51872 W 81 11   7.44814      -13.874
                 N 27 29  26.51872 W 81 11   7.44814      -13.874
                    0  0      2.21    0  0      1.40      -26.105
                         349787.687         181679.526 FLE0901
000 KRCNTBM1     N 27 29  22.32998 W 81 11  16.17191      -13.802
                 N 27 29  22.32998 W 81 11  16.17191      -13.802
================================================================================
                              Fixed adjustment
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================================================================================
Input Station Data:
FFF STATION      ELIP-LATITUDE     ELIP-LONGITUDE    ELIP-HEIGHT
                 ASTRO-LATITUDE    ASTRO-LONGITUDE   ORTHO-HEIGHT
                 N/S DEFLECTION    N/S DEFLECTION    GEOID-HEIGHT
                 NORTHING          EASTING           PROJECTION
--- ------------ ----------------- ----------------- ------------
                    0  0      2.25    0  0      1.45      -26.102
                         349659.121         181439.875 FLE0901
000 KRDFTBM1     N 27 29   4.00913 W 81 11  50.67982      -13.415
                 N 27 29   4.00913 W 81 11  50.67982      -13.415
                    0  0      2.40    0  0      1.67      -26.089
                         349096.690         180491.775 FLE0901
000 KRDRTBM1     N 27 29   9.06240 W 81 11  50.44622      -13.804
                 N 27 29   9.06240 W 81 11  50.44622      -13.804
                    0  0      2.40    0  0      1.64      -26.090
                         349252.215         180498.435 FLE0901
000 PC42TBM1     N 27 27  52.66311 W 81  9  46.96399      -14.137
                 N 27 27  52.66311 W 81  9  46.96399      -14.137
                    0  0      1.55    0  0      2.02      -26.097
                         346895.793         183884.908 FLE0901
000 PC61TBM2     N 27 30  17.42537 W 81 11  46.18839      -13.461
                 N 27 30  17.42537 W 81 11  46.18839      -13.461
                    0  0      2.41    0  0      1.27      -26.116
                         351356.189         180618.637 FLE0901
000 PD01FTBM2    N 27 19  31.52716 W 81  2  31.97133      -16.889
                 N 27 19  31.52716 W 81  2  31.97133      -16.889
                    0  0      1.86    0  0      5.05      -26.189
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                    331461.621        195822.402 FLE0901
000 PD03TBM2     N 27 21  29.81641 W 81  1  46.74958      -16.946
                 N 27 21  29.81641 W 81  1  46.74958      -16.946
                    0  0      0.62    0  0      3.70      -26.238
                    335102.023        197066.386 FLE0901
```


Misclosures (pass 1):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION	STD.DEV.	MISC
GROUP: 00001, 92205.asc						
DXCT		0022	0007	-2115.561	0.005	-292.202
DYCT		0022	0007	-2045.204	0.011	1862.523
DZCT		0022	0007	-3263.076	0.006	3645.616
GROUP: 00002, 92205.asc						
DXCT		0022	0007	-2115.563	0.007	-292.199
DYCT		0022	0007	-2045.191	0.019	1862.511
DZCT		0022	0007	-3263.075	0.015	3645.615
GROUP: 00003, 92205.asc						
DXCT		0008	0007	292.094	0.006	-292.193
DYCT		0008	0007	-1861.906	0.018	1862.540
DZCT		0008	0007	-3645.952	0.011	3645.620
GROUP: 00004, 92205.asc						

DXCT	0007	0024	2946.412	0.014	292.173
DYCT	0007	0024	-152.549	0.038	-1862.36
DZCT	0007	0024	-1183.750	0.024	-3645.60
GROUP: 00009, 92205.asc					
DXCT	0023	0007	-1159.322	0.005	-292.204
DYCT	0023	0007	-203.790	0.015	1862.544
DZCT	0023	0007	-33.148	0.007	3645.617
GROUP: 00010, 92205.asc					
DXCT	0023	0007	-1159.308	0.005	-292.217
DYCT	0023	0007	-203.819	0.012	1862.572
DZCT	0023	0007	-33.136	0.007	3645.605
GROUP: 00011, 92205.asc					
DXCT	0023	0007	-1159.320	0.006	-292.206
DYCT	0023	0007	-203.806	0.015	1862.559
DZCT	0023	0007	-33.142	0.008	3645.611
GROUP: 00013, 92205.asc					
DXCT	PD01FTBM2	0007	-1142.218	0.010	-292.215
DYCT	PD01FTBM2	0007	-198.969	0.025	1862.569
DZCT	PD01FTBM2	0007	-30.855	0.014	3645.604
GROUP: 00014, 92205.asc					
DXCT	0023	0024	1787.078	0.005	-0.020
DYCT	0023	0024	-356.336	0.012	0.179
DZCT	0023	0024	-1216.905	0.007	0.029
GROUP: 00015, 92205.asc					
DXCT	0024	PD01FTBM2	-1804.171	0.010	0.019
DYCT	0024	PD01FTBM2	351.488	0.027	-0.177
DZCT	0024	PD01FTBM2	1214.622	0.016	-0.027
GROUP: 00016, 92205.asc					
DXCT	0022	0021	2876.015	0.005	-167.460
DYCT	0022	0021	1801.573	0.011	-12.129
DZCT	0022	0021	2577.979	0.009	27.214
GROUP: 00017, 92205.asc					
DXCT	0021	0008	-5283.664	0.005	167.446
DYCT	0021	0008	-1984.907	0.029	12.149
DZCT	0021	0008	-2195.096	0.017	-27.225
GROUP: 00018, 92205.asc					
DXCT	0008	0021	5283.666	0.008	-167.447
DYCT	0008	0021	1984.909	0.020	-12.151
DZCT	0008	0021	2195.098	0.011	27.223
GROUP: 00023, 92205.asc					
DXCT	0007	PD03TBM2	2109.470	0.006	292.210
DYCT	0007	PD03TBM2	2044.545	0.017	-1862.55
DZCT	0007	PD03TBM2	3265.024	0.009	-3645.60
GROUP: 00024, 92205.asc					
DXCT	0024	0022	-830.820	0.004	-0.002
DYCT	0024	0022	2197.721	0.011	-0.129
DZCT	0024	0022	4446.845	0.007	-0.040
GROUP: 00025, 92205.asc					
DXCT	0021	0024	-2045.188	0.003	167.454
DYCT	0021	0024	-3999.304	0.008	12.268
DZCT	0021	0024	-7024.820	0.006	-27.177
GROUP: 00028, 92205.asc					

Misclosures (pass 1):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION	STD.DEV.	MISC
DXCT		0006	0007	-695.879	0.004	-292.224
DYCT		0006	0007	4448.694	0.010	1862.388
DZCT		0006	0007	8735.665	0.007	3645.540

GROUP: 00029, 92205.asc					
DXCT	0008	0005	-9496.506	0.006	0.023
DYCT	0008	0005	75.085	0.016	0.128
DZCT	0008	0005	2980.125	0.009	0.061
GROUP: 00030, 92205.asc					
DXCT	0005	0007	9788.603	0.005	-292.220
DYCT	0005	0007	-1936.995	0.015	1862.416
DZCT	0005	0007	-6626.060	0.009	3645.542
GROUP: 00031, 92205.asc					
DXCT	0009	0021	12838.467	0.006	-167.484
DYCT	0009	0021	-915.184	0.016	-12.269
DZCT	0009	0021	-5591.792	0.010	27.167
GROUP: 00034, 92205.asc					
DXCT	0006	0024	2250.509	0.003	-0.028
DYCT	0006	0024	4296.189	0.007	-0.019
DZCT	0006	0024	7551.894	0.005	-0.033
GROUP: 00037, 92205.asc					
DXCT	0008	0009	-7554.786	0.007	0.021
DYCT	0008	0009	2900.089	0.020	0.122
DZCT	0008	0009	7786.906	0.012	0.039
GROUP: 00038, 92205.asc					
DXCT	0008	0009	-7554.783	0.007	0.018
DYCT	0008	0009	2900.084	0.019	0.127
DZCT	0008	0009	7786.892	0.010	0.053
GROUP: 00044, 92205.asc					
DXCT	0015	KRCFTBM2	-3246.027	0.014	35.937
DYCT	0015	KRCFTBM2	-30.290	0.039	11.304
DZCT	0015	KRCFTBM2	894.154	0.027	10.882
GROUP: 00045, 92205.asc					
DXCT	0015	0001	-3481.496	0.009	35.942
DYCT	0015	0001	1031.131	0.024	11.289
DZCT	0015	0001	2983.395	0.016	10.891
GROUP: 00053, 92205.asc					
DXCT	0016	0015	3248.449	0.008	-35.936
DYCT	0016	0015	28.393	0.017	-11.279
DZCT	0016	0015	-897.983	0.008	-10.891
GROUP: 00076, 92205.asc					
DXCT	0001	0002	-888.751	0.005	-35.927
DYCT	0001	0002	-497.795	0.012	-11.284
DZCT	0001	0002	-688.288	0.009	-10.888
GROUP: 00077, 92205.asc					
DXCT	0003	0001	2198.429	0.005	35.933
DYCT	0003	0001	1269.221	0.012	11.283
DZCT	0003	0001	1763.636	0.007	10.888
GROUP: 00080, 92205.asc					
DXCT	0017	0002	-930.096	0.005	-35.923
DYCT	0017	0002	645.965	0.012	-11.287
DZCT	0017	0002	1500.492	0.006	-10.889
GROUP: 00081, 92205.asc					
DXCT	0016	0002	-1121.794	0.006	-35.925
DYCT	0016	0002	561.719	0.016	-11.265
DZCT	0016	0002	1397.121	0.010	-10.884
GROUP: 00083, 92205.asc					
DXCT	0018	0017	951.030	0.004	35.918
DYCT	0018	0017	366.912	0.009	11.292
DZCT	0018	0017	416.964	0.007	10.869
GROUP: 00084, 92205.asc					
DXCT	0018	0017	951.034	0.004	35.914
DYCT	0018	0017	366.924	0.011	11.280
DZCT	0018	0017	416.945	0.009	10.889
GROUP: 00085, 92205.asc					
DXCT	0003	0016	2431.470	0.005	35.933

Misclosures (pass 1):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION	STD.DEV.	MISC
DYCT		0003	0016	209.709	0.014	11.261
DZCT		0003	0016	-321.785	0.008	10.897
GROUP: 00087, 92205.asc						
DXCT		0001	PC61TBM2	-890.168	0.009	-35.921
DYCT		0001	PC61TBM2	-498.390	0.022	-11.276
DZCT		0001	PC61TBM2	-688.247	0.009	-10.881
GROUP: 00090, 92205.asc						
DXCT		0012	0017	-2225.044	0.010	35.951
DYCT		0012	0017	1036.811	0.022	11.272
DZCT		0012	0017	2627.302	0.013	10.887
GROUP: 00094, 92205.asc						
DXCT		0013	0017	-2467.637	0.005	35.940
DYCT		0013	0017	903.065	0.012	11.310
DZCT		0013	0017	2444.533	0.007	10.887
GROUP: 00104, 92205.asc						
DXCT		0017	KRCFTBM1	190.908	0.006	-35.913
DYCT		0017	KRCFTBM1	83.898	0.017	-11.284
DZCT		0017	KRCFTBM1	103.484	0.010	-10.878
GROUP: 00106, 92205.asc						
DXCT		0017	KRCNTBM1	2.530	0.003	-35.920
DYCT		0017	KRCNTBM1	-1.934	0.009	-11.280
DZCT		0017	KRCNTBM1	-3.934	0.006	-10.881
GROUP: 00107, 92205.asc						
DXCT		KRCNTBM1	0017	-2.516	0.004	35.907
DYCT		KRCNTBM1	0017	1.896	0.010	11.318
DZCT		KRCNTBM1	0017	3.949	0.005	10.865
GROUP: 00115, 92205.asc						
DXCT		0019	0017	895.648	0.004	35.935
DYCT		0019	0017	404.658	0.009	11.276
DZCT		0019	0017	504.991	0.007	10.872
GROUP: 00118, 92205.asc						
DXCT		0020	0001	-17837.610	0.005	35.940
DYCT		0020	0001	-372.160	0.016	11.276
DZCT		0020	0001	4593.785	0.007	10.904
GROUP: 00121, 92205.asc						
DXCT		0020	0009	-11263.048	0.006	0.031
DYCT		0020	0009	-2998.287	0.018	-0.035
DZCT		0020	0009	-2342.316	0.009	0.026
GROUP: 00122, 92205.asc						
DXCT		0014	0016	-2427.007	0.005	35.938
DYCT		0014	0016	967.200	0.014	11.297
DZCT		0014	0016	2554.616	0.009	10.885
GROUP: 00123, 92205.asc						
DXCT		0021	0020	-1575.445	0.006	167.478
DYCT		0021	0020	3913.508	0.014	12.267
DZCT		0021	0020	7934.088	0.008	-27.174
GROUP: 00124, 92205.asc						
DXCT		0017	0011	1856.162	0.009	-35.936
DYCT		0017	0011	-1174.379	0.021	-11.246
DZCT		0017	0011	-2779.583	0.012	-10.881
GROUP: 00126, 92205.asc						
DXCT		0055	0008	-20179.706	0.010	167.457
DYCT		0055	0008	1735.912	0.023	12.145
DZCT		0055	0008	9461.951	0.012	-27.219
GROUP: 00127, 92205.asc						
DXCT		0055	0020	-16471.429	0.006	167.432

DYCT	0055	0020	7634.220	0.016	12.371
DZCT	0055	0020	19591.183	0.009	-27.215

Fixed adjustment

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Solution (pass 1):

NAME	TYPE	OLD VALUE	CORRECTION	UPDATED VALUE
0001	ELAT	N 27 30 43.00000	0 0 -0.39850	N 27 30 42.60150
0001	ELON	W 81 11 10.00000	0 0 -1.35693	W 81 11 11.35693
0002	ELAT	N 27 30 17.42948	0 0 -0.00001	N 27 30 17.42947
0002	ELON	W 81 11 46.13433	0 0 -0.00032	W 81 11 46.13465
0002	EHYT	-13.805	0.010	-13.794
0007	ELAT	N 27 21 43.69713	0 -2 -13.33769	N 27 19 30.35944
0007	ELON	W 81 03 14.10469	0 0 -0.03562	W 81 03 14.14031
0008	ELAT	N 27 21 43.69713	0 0 0.00314	N 27 21 43.70027
0008	ELON	W 81 03 14.10469	0 0 0.00102	W 81 03 14.10367
0008	EHYT	-13.797	0.309	-13.488
0010	ELAT	N 27 27 37.51075	0 0 -0.00033	N 27 27 37.51043
0010	ELON	W 81 10 21.02152	0 0 -0.00020	W 81 10 21.02172
0010	EHYT	-14.420	0.001	-14.418
0011	ELAT	N 27 27 40.70056	0 0 -0.00043	N 27 27 40.70013
0011	ELON	W 81 10 16.00124	0 0 -0.00021	W 81 10 16.00145
0011	EHYT	-14.351	0.008	-14.344
0012	ELAT	N 27 27 46.27803	0 0 0.00018	N 27 27 46.27822
0012	ELON	W 81 10 1.95717	0 0 0.00027	W 81 10 1.95690
0012	EHYT	-14.479	0.008	-14.471
0013	ELAT	N 27 27 52.96797	0 0 0.00019	N 27 27 52.96816
0013	ELON	W 81 09 52.47823	0 0 0.00026	W 81 09 52.47797
0013	EHYT	-14.361	-0.019	-14.380
0014	ELAT	N 27 27 52.72432	0 0 0.00004	N 27 27 52.72436
0014	ELON	W 81 09 46.92884	0 0 0.00026	W 81 09 46.92858
0014	EHYT	-14.491	-0.012	-14.503
0016	ELAT	N 27 29 26.66265	0 0 -0.39838	N 27 29 26.26427
0016	ELON	W 81 11 7.52491	0 0 -1.35653	W 81 11 8.88144
0016	EHYT	-14.072	-0.022	-14.094
0017	ELAT	N 27 29 22.87603	0 0 -0.39840	N 27 29 22.47763
0017	ELON	W 81 11 14.89613	0 0 -1.35653	W 81 11 16.25266
0017	EHYT	-14.010	-0.003	-14.013
0018	ELAT	N 27 29 7.20745	0 0 -0.00021	N 27 29 7.20724
0018	ELON	W 81 11 52.53497	0 0 -0.00052	W 81 11 52.53549
0018	EHYT	-13.980	0.005	-13.975
0019	ELAT	N 27 29 3.98425	0 0 -0.00015	N 27 29 3.98410
0019	ELON	W 81 11 50.75221	0 0 -0.00012	W 81 11 50.75233
0019	EHYT	-14.013	0.019	-13.994
0021	ELAT	N 27 23 5.00000	0 0 -0.99468	N 27 23 4.00532
0021	ELON	W 80 59 59.00000	0 0 6.08974	W 80 59 52.91026
0022	ELAT	N 27 21 29.75562	0 0 0.00338	N 27 21 29.75901
0022	ELON	W 81 01 46.52705	0 0 -0.00016	W 81 01 46.52721
0022	EHYT	-17.611	0.479	-17.131
0023	ELAT	N 27 19 31.62468	0 0 0.00370	N 27 19 31.62838
0023	ELON	W 81 02 31.32970	0 0 0.00019	W 81 02 31.32950
0023	EHYT	-17.731	0.633	-17.098
0055	ELAT	N 27 15 58.71592	0 0 -1.00060	N 27 15 57.71532
0055	ELON	W 80 51 25.26425	0 0 6.08176	W 80 51 19.18248

0055	EHYT		-14.062			0.464			-13.597
KRAFTBM1	ELAT	N	27 27 52.97329	0	0	0.00021	N	27 27 52.97350	
KRAFTBM1	ELON	W	81 09 52.28193	0	0	0.00025	W	81 09 52.28168	
KRAFTBM1	EHYT		-13.318			-0.010			-13.328
KRANTBM2	ELAT	N	27 27 46.41533	0	0	-0.00024	N	27 27 46.41509	
KRANTBM2	ELON	W	81 10 2.17021	0	0	-0.00039	W	81 10 2.17060	
KRANTBM2	EHYT		-13.648			0.020			-13.628
KRBFTBM2	ELAT	N	27 27 37.62746	0	0	-0.00030	N	27 27 37.62717	
KRBFTBM2	ELON	W	81 10 21.12433	0	0	-0.00027	W	81 10 21.12459	
KRBFTBM2	EHYT		-14.149			0.008			-14.141
KRBNTBM1	ELAT	N	27 27 40.71908	0	0	-0.00028	N	27 27 40.71880	
KRBNTBM1	ELON	W	81 10 16.15239	0	0	-0.00025	W	81 10 16.15265	
KRBNTBM1	EHYT		-13.932			0.014			-13.918
KRCFTBM1	ELAT	N	27 29 26.26484	0	0	-0.00019	N	27 29 26.26465	
KRCFTBM1	ELON	W	81 11 8.91111	0	0	-0.00064	W	81 11 8.91174	
KRCFTBM1	EHYT		-13.851			-0.001			-13.852
KRCFTBM2	ELAT	N	27 29 26.51872	0	0	-0.39844	N	27 29 26.12027	
KRCFTBM2	ELON	W	81 11 7.44814	0	0	-1.35662	W	81 11 8.80476	
KRCFTBM2	EHYT		-13.874			-0.012			-13.886

Solution (pass 1):

NAME	TYPE	OLD VALUE			CORRECTION		UPDATED VALUE	
KRCNTBM1	ELAT	N	27 29 22.32998	0	0	-0.00019	N	27 29 22.32979
KRCNTBM1	ELON	W	81 11 16.17191	0	0	-0.00060	W	81 11 16.17251
KRCNTBM1	EHYT		-13.802			-0.004			-13.806
KRDFTBM1	ELAT	N	27 29 4.00913	0	0	-0.00028	N	27 29 4.00886	
KRDFTBM1	ELON	W	81 11 50.67982	0	0	-0.00042	W	81 11 50.68024	
KRDFTBM1	EHYT		-13.415			0.042			-13.373
KRDRTBM1	ELAT	N	27 29 9.06240	0	0	-0.00018	N	27 29 9.06222	
KRDRTBM1	ELON	W	81 11 50.44622	0	0	-0.00059	W	81 11 50.44682	
KRDRTBM1	EHYT		-13.804			-0.002			-13.806
PC42TBM1	ELAT	N	27 27 52.66311	0	0	-0.00010	N	27 27 52.66302	
PC42TBM1	ELON	W	81 09 46.96399	0	0	0.00031	W	81 09 46.96368	
PC42TBM1	EHYT		-14.137			-0.006			-14.143
PC61TBM2	ELAT	N	27 30 17.42537	0	0	-0.00026	N	27 30 17.42511	
PC61TBM2	ELON	W	81 11 46.18839	0	0	-0.00044	W	81 11 46.18883	
PC61TBM2	EHYT		-13.461			0.023			-13.437
PD01FTBM2	ELAT	N	27 19 31.52716	0	0	0.00369	N	27 19 31.53085	
PD01FTBM2	ELON	W	81 02 31.97133	0	0	0.00021	W	81 02 31.97112	
PD01FTBM2	EHYT		-16.889			0.581			-16.308
PD03TBM2	ELAT	N	27 21 29.81641	0	0	0.00400	N	27 21 29.82041	
PD03TBM2	ELON	W	81 01 46.74958	0	0	-0.00026	W	81 01 46.74984	
PD03TBM2	EHYT		-16.946			0.642			-16.304

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                              Fixed adjustment
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================================================================================
Misclosures (pass 2):
NOTE: Observation values shown are reduced to mark-to-mark.
TYPE AT           FROM         TO                 OBSERVATION STD.DEV.     MISC
---- ------------ ------------ ------------ ----------------- -------- --------
GROUP: 00000, 92205.asc
DXCT              0022         0008                -2407.663    0.008    0.009
DYCT              0022         0008                 -183.314    0.020    0.151
DZCT              0022         0008                  382.872    0.016   -0.085
GROUP: 00001, 92205.asc
DXCT              0022         0007                -2115.561    0.005   -0.074
DYCT              0022         0007                -2045.204    0.011    0.530
DZCT              0022         0007                -3263.076    0.006   -0.289
GROUP: 00002, 92205.asc
DXCT              0022         0007                -2115.563    0.007   -0.072
DYCT              0022         0007                -2045.191    0.019    0.518
DZCT              0022         0007                -3263.075    0.015   -0.291
GROUP: 00003, 92205.asc
DXCT              0008         0007                  292.094    0.006   -0.074
DYCT              0008         0007                -1861.906    0.018    0.396
DZCT              0008         0007                -3645.952    0.011   -0.200
GROUP: 00006, 92205.asc
DXCT              0022         0023                 -956.249    0.005    0.043
DYCT              0022         0023                -1841.381    0.014   -0.182
DZCT              0022         0023                -3229.941    0.007    0.092
GROUP: 00007, 92205.asc
DXCT              0008         0023                 1451.410    0.008    0.037
DYCT              0008         0023                -1658.083    0.021   -0.317
DZCT              0008         0023                -3612.810    0.012    0.174
GROUP: 00008, 92205.asc
DXCT              0023         0008                -1451.413    0.006   -0.034
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DYCT	0023	0008	1658.067	0.017	0.334
DZCT	0023	0008	3612.818	0.009	-0.182
GROUP: 00009, 92205.asc					
DXCT	0023	0007	-1159.322	0.005	-0.106
DYCT	0023	0007	-203.790	0.015	0.680
DZCT	0023	0007	-33.148	0.007	-0.368
GROUP: 00010, 92205.asc					
DXCT	0023	0007	-1159.308	0.005	-0.120
DYCT	0023	0007	-203.819	0.012	0.709
DZCT	0023	0007	-33.136	0.007	-0.380
GROUP: 00011, 92205.asc					
DXCT	0023	0007	-1159.320	0.006	-0.108
DYCT	0023	0007	-203.806	0.015	0.696
DZCT	0023	0007	-33.142	0.008	-0.374
GROUP: 00013, 92205.asc					
DXCT	PD01FTBM2	0007	-1142.218	0.010	-0.110
DYCT	PD01FTBM2	0007	-198.969	0.025	0.660
DZCT	PD01FTBM2	0007	-30.855	0.014	-0.356
GROUP: 00014, 92205.asc					
DXCT	0023	0024	1787.078	0.005	-0.104
DYCT	0023	0024	-356.336	0.012	0.682
DZCT	0023	0024	-1216.905	0.007	-0.363
GROUP: 00015, 92205.asc					
DXCT	0024	PD01FTBM2	-1804.171	0.010	0.097
DYCT	0024	PD01FTBM2	351.488	0.027	-0.635
DZCT	0024	PD01FTBM2	1214.622	0.016	0.341
GROUP: 00016, 92205.asc					
DXCT	0022	0021	2876.015	0.005	-0.048
DYCT	0022	0021	1801.573	0.011	0.515
DZCT	0022	0021	2577.979	0.009	-0.284
GROUP: 00017, 92205.asc					
DXCT	0021	0008	-5283.664	0.005	0.043
DYCT	0021	0008	-1984.907	0.029	-0.343
DZCT	0021	0008	-2195.096	0.017	0.189
GROUP: 00018, 92205.asc					
DXCT	0008	0021	5283.666	0.008	-0.045
DYCT	0008	0021	1984.909	0.020	0.341
DZCT	0008	0021	2195.098	0.011	-0.191
GROUP: 00019, 92205.asc					

Misclosures (pass 2):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION	STD.DEV.	MISC
DXCT		0022	PD03TBM2	-6.083	0.006	0.018
DYCT		0022	PD03TBM2	-0.688	0.015	-0.135
DZCT		0022	PD03TBM2	1.967	0.011	0.091
GROUP: 00020, 92205.asc						
DXCT		0022	PD03TBM2	-6.093	0.008	0.028
DYCT		0022	PD03TBM2	-0.648	0.021	-0.174
DZCT		0022	PD03TBM2	1.946	0.016	0.113
GROUP: 00022, 92205.asc						
DXCT		PD03TBM2	0008	-2401.566	0.008	-0.023
DYCT		PD03TBM2	0008	-182.631	0.020	0.290
DZCT		PD03TBM2	0008	380.908	0.015	-0.179
GROUP: 00023, 92205.asc						
DXCT		0007	PD03TBM2	2109.470	0.006	0.100
DYCT		0007	PD03TBM2	2044.545	0.017	-0.694
DZCT		0007	PD03TBM2	3265.024	0.009	0.400
GROUP: 00024, 92205.asc						

DXCT	0024	0022	-830.820	0.004	0.053
DYCT	0024	0022	2197.721	0.011	-0.503
DZCT	0024	0022	4446.845	0.007	0.273
GROUP: 00028, 92205.asc					
DXCT	0006	0007	-695.879	0.004	-0.042
DYCT	0006	0007	4448.694	0.010	0.021
DZCT	0006	0007	8735.665	0.007	-0.053
GROUP: 00029, 92205.asc					
DXCT	0008	0005	-9496.506	0.006	-0.040
DYCT	0008	0005	75.085	0.016	0.351
DZCT	0008	0005	2980.125	0.009	-0.166
GROUP: 00030, 92205.asc					
DXCT	0005	0007	9788.603	0.005	-0.038
DYCT	0005	0007	-1936.995	0.015	0.049
DZCT	0005	0007	-6626.060	0.009	-0.051
GROUP: 00034, 92205.asc					
DXCT	0006	0024	2250.509	0.003	-0.028
DYCT	0006	0024	4296.189	0.007	-0.019
DZCT	0006	0024	7551.894	0.005	-0.033
GROUP: 00037, 92205.asc					
DXCT	0008	0009	-7554.786	0.007	-0.042
DYCT	0008	0009	2900.089	0.020	0.345
DZCT	0008	0009	7786.906	0.012	-0.189
GROUP: 00038, 92205.asc					
DXCT	0008	0009	-7554.783	0.007	-0.045
DYCT	0008	0009	2900.084	0.019	0.350
DZCT	0008	0009	7786.892	0.010	-0.174
GROUP: 00121, 92205.asc					
DXCT	0020	0009	-11263.048	0.006	0.031
DYCT	0020	0009	-2998.287	0.018	-0.035
DZCT	0020	0009	-2342.316	0.009	0.026
GROUP: 00126, 92205.asc					
DXCT	0055	0008	-20179.706	0.010	0.056
DYCT	0055	0008	1735.912	0.023	-0.323
DZCT	0055	0008	9461.951	0.012	0.173
GROUP: 00127, 92205.asc					
DXCT	0055	0020	-16471.429	0.006	-0.032
DYCT	0055	0020	7634.220	0.016	0.125
DZCT	0055	0020	19591.183	0.009	-0.052

Misclosures (pass 3):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION	STD.DEV.	MISC
GROUP: 00028, 92205.asc						
DXCT		0006	0007	-695.879	0.004	-0.017
DYCT		0006	0007	4448.694	0.010	0.031
DZCT		0006	0007	8735.665	0.007	-0.041
GROUP: 00034, 92205.asc						
DXCT		0006	0024	2250.509	0.003	-0.028

DYCT	0006	0024	4296.189	0.007	-0.019
DZCT	0006	0024	7551.894	0.005	-0.033
GROUP: 00121, 92205.asc					
DXCT	0020	0009	-11263.048	0.006	0.031
DYCT	0020	0009	-2998.287	0.018	-0.035
DZCT	0020	0009	-2342.316	0.009	0.026

Adjusted NEH Coordinates:

CODE	FFF	STATION	NORTHING STD DEV	EASTING STD DEV	E-HEIGHT STD DEV	MAPPROJ
NEH	001	0001	352129.618	181575.755	-11.475	FLE0901 m 0
			0.004	0.004	0.000	
SFMC		0001	0.9999453685	0.9999976983 - 0 5 10.120000		FLE0901
NEH	000	0002	351356.313	180620.112	-13.795	FLE0901 m 0
			0.004	0.004	0.011	
SFMC		0002	0.9999458143	0.9999980649 - 0 5 26.110000		FLE0901
NEH	111	0003	350145.314	179205.957	-11.777	FLE0901 m 0
			0.000	0.000	0.000	
SFMC		0003	0.9999465154	0.9999977520 - 0 5 49.740000		FLE0901
NEH	111	0004	342542.873	178816.320	-9.976	FLE0901 m 0
			0.000	0.000	0.000	
SFMC		0004	0.9999467172	0.9999974858 - 0 5 55.260000		FLE0901
NEH	111	0005	338893.569	185298.647	-13.815	FLE0901 m 0
			0.000	0.000	0.000	
SFMC		0005	0.9999438469	0.9999980796 - 0 4 6.200000		FLE0901
NEH	111	0006	321598.849	194654.607	-16.523	FLE0901 m 0
			0.000	0.000	0.000	
SFMC		0006	0.9999415326	0.9999985104 - 0 1 28.920000		FLE0901
NEH	001	0007	331426.141	194663.214	-14.519	FLE0901 m 0
			0.004	0.003	0.000	
SFMC		0007	0.9999415314	0.9999981666 - 0 1 29.120000		FLE0901
NEH	000	0008	335530.159	194665.976	-13.900	FLE0901 m 0
			0.004	0.004	0.012	
SFMC		0008	0.9999415311	0.9999980695 - 0 1 29.210000		FLE0901
NEH	111	0009	344305.059	187658.266	-12.669	FLE0901 m 0
			0.000	0.000	0.000	
SFMC		0009	0.9999430595	0.9999978872 - 0 3 27.120000		FLE0901
NEH	000	0010	346430.671	182949.205	-14.418	FLE0901 m 0
			0.004	0.004	0.011	
SFMC		0010	0.9999447674	0.9999981681 - 0 4 46.380000		FLE0901
NEH	000	0011	346528.656	183087.177	-14.344	FLE0901 m 0
			0.004	0.004	0.011	
SFMC		0011	0.9999447096	0.9999981560 - 0 4 44.070000		FLE0901
NEH	000	0012	346699.819	183473.013	-14.471	FLE0901 m 0
			0.005	0.004	0.013	
SFMC		0012	0.9999445504	0.9999981751 - 0 4 37.610000		FLE0901
NEH	000	0013	346905.382	183733.534	-14.380	FLE0901 m 0
			0.004	0.004	0.012	
SFMC		0013	0.9999444449	0.9999981602 - 0 4 33.250000		FLE0901
NEH	000	0014	346897.677	183885.883	-14.503	FLE0901 m 0
			0.004	0.004	0.012	
SFMC		0014	0.9999443841	0.9999981793 - 0 4 30.690000		FLE0901
NEH	111	0015	348761.751	184852.914	-11.051	FLE0901 m 0
			0.000	0.000	0.000	

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 SFMC     0015           0.9999440110     0.9999976334 -  0  4 14.630000 FLE0901
 NEH  000 0016               349779.914        181640.172    -14.094 FLE0901 m
0
                                 0.004            0.003      0.010
 SFMC     0016           0.9999453393     0.9999981137 -  0  5  8.760000 FLE0901
 NEH  000 0017               349663.669        181437.666    -14.013 FLE0901 m
0
                                 0.004            0.003      0.009
 SFMC     0017           0.9999454316     0.9999981013 -  0  5 12.150000 FLE0901
 NEH  000 0018               349195.206        180440.994    -13.975 FLE0901 m
0
                                 0.004            0.004      0.010
 SFMC     0018           0.9999459004     0.9999980974 -  0  5 28.850000 FLE0901
 NEH  000 0019               349095.923        180489.783    -13.994 FLE0901 m
0
                                 0.004            0.004      0.012
 SFMC     0019           0.9999458769     0.9999981006 -  0  5 28.020000 FLE0901
 NEH  111 0020               346936.421        199251.014     -9.113 FLE0901 m
0
                                 0.000            0.000      0.000
 SFMC     0020           0.9999411869     0.9999973064 -  0  0 12.580000 FLE0901
 NEH  001 0021               338000.688        200194.786    -13.790 FLE0901 m
0
                                 0.004            0.003      0.000
 SFMC     0021           0.9999411805     0.9999980374    0  0  3.260000 FLE0901
 NEH  000 0022               335100.253        197072.528    -17.723 FLE0901 m
0
                                 0.004            0.004      0.010
================================================================================
                              Fixed adjustment
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================================================================================
Adjusted NEH Coordinates:
                                  NORTHING          EASTING   E-HEIGHT
 CODE FFF STATION                  STD DEV          STD DEV    STD DEV MAPPROJ
 ---- --- ------------ ---------------- ---------------- ---------- -------
 SFMC     0022           0.9999412858     0.9999986628 -  0  0 48.950000 FLE0901
 NEH  000 0023               331464.730        195840.066    -17.886 FLE0901 m
0
                                 0.004            0.004      0.010
 SFMC     0023           0.9999413935     0.9999986961 -  0  1  9.470000 FLE0901
 NEH  111 0024               330093.797        197549.289    -16.186 FLE0901 m
0
                                 0.000            0.000      0.000
 SFMC     0024           0.9999412541     0.9999984246 -  0  0 40.900000 FLE0901
 NEH  000 0055               324888.455        214324.577    -13.660 FLE0901 m
0
                                 0.007            0.006      0.016
 SFMC     0055           0.9999437120     0.9999979695    0  3 58.600000 FLE0901
 NEH  000 KRAFTBM1           346905.539        183738.924    -13.328 FLE0901 m
0
                                 0.005            0.005      0.020
 SFMC     KRAFTBM1       0.9999444428     0.9999979949 -  0  4 33.160000 FLE0901
 NEH  000 KRANTBM2           346704.040        183467.152    -13.628 FLE0901 m
0
                                 0.007            0.006      0.020
 SFMC     KRANTBM2       0.9999445527     0.9999980428 -  0  4 37.710000 FLE0901
 NEH  000 KRBFTBM2           346434.268        182946.385    -14.141 FLE0901 m
0
                                 0.006            0.006      0.017
 SFMC     KRBFTBM2       0.9999447686     0.9999981244 -  0  4 46.420000 FLE0901
 NEH  000 KRBNTBM1           346529.237        183083.026    -13.918 FLE0901 m
0
```

```
                                    0.005           0.005      0.014
 SFMC     KRBNTBM1       0.9999447113     0.9999980892 -  0  4 44.140000 FLE0901
 NEH  000 KRCFTBM1           349779.927       181639.340    -13.852 FLE0901 m
0
                                    0.007           0.007      0.021
 SFMC     KRCFTBM1       0.9999453397     0.9999980757 -  0  5  8.770000 FLE0901
 NEH  000 KRCFTBM2           349775.479       181642.270    -13.886 FLE0901 m
0
                                    0.011           0.010      0.041
 SFMC     KRCFTBM2       0.9999453384     0.9999980810 -  0  5  8.720000 FLE0901
 NEH  000 KRCNTBM1           349659.115       181439.859    -13.806 FLE0901 m
0
                                    0.004           0.004      0.013
 SFMC     KRCNTBM1       0.9999454306     0.9999980689 -  0  5 12.110000 FLE0901
 NEH  000 KRDFTBM1           349096.681       180491.764    -13.373 FLE0901 m
0
                                    0.004           0.004      0.013
 SFMC     KRDFTBM1       0.9999458759     0.9999980031 -  0  5 27.990000 FLE0901
 NEH  000 KRDRTBM1           349252.210       180498.418    -13.806 FLE0901 m
0
                                    0.006           0.005      0.015
 SFMC     KRDRTBM1       0.9999458727     0.9999980708 -  0  5 27.890000 FLE0901
 NEH  000 PC42TBM1           346895.790       183884.917    -14.143 FLE0901 m
0
                                    0.005           0.004      0.014
 SFMC     PC42TBM1       0.9999443844     0.9999981227 -  0  4 30.710000 FLE0901
 NEH  000 PC61TBM2           351356.181       180618.625    -13.437 FLE0901 m
0
                                    0.008           0.009      0.030
 SFMC     PC61TBM2       0.9999458150     0.9999980088 -  0  5 26.140000 FLE0901
 NEH  000 PD01FTBM2          331461.734       195822.424    -17.049 FLE0901 m
0
                                    0.007           0.007      0.026
 SFMC     PD01FTBM2      0.9999413954     0.9999985647 -  0  1  9.760000 FLE0901
 NEH  000 PD03TBM2           335102.124       197066.411    -17.082 FLE0901 m
0
                                    0.006           0.006      0.016
 SFMC     PD03TBM2       0.9999412862     0.9999985620 -  0  0 49.060000 FLE0901
```


Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE	STD DEV	LONGITUDE	STD DEV	ELIP-HEIGHT	STD DEV	
PLH	001	0001	N 27 30 42.60150		W 81 11 11.35693		-11.475 m		0

									0.004			0.004	0.000
PLH	000	0002	N	27	30	17.42947	W	81	11	46.13465	-13.795	m	0
									0.004			0.004	0.011
PLH	111	0003	N	27	29	38.00965	W	81	12	37.58638	-11.777	m	0
									0.000			0.000	0.000
PLH	111	0004	N	27	25	30.98854	W	81	12	51.30429	-9.976	m	0
									0.000			0.000	0.000
PLH	111	0005	N	27	23	32.73045	W	81	8	55.12285	-13.815	m	0
									0.000			0.000	0.000
PLH	111	0006	N	27	14	11.06574	W	81	3	14.29810	-16.523	m	0
									0.000			0.000	0.000
PLH	001	0007	N	27	19	30.35989	W	81	3	14.13937	-14.519	m	0
									0.004			0.003	0.000
PLH	000	0008	N	27	21	43.70049	W	81	3	14.10341	-13.900	m	0
									0.004			0.004	0.012
PLH	111	0009	N	27	26	28.63306	W	81	7	29.43157	-12.669	m	0
									0.000			0.000	0.000
PLH	000	0010	N	27	27	37.51043	W	81	10	21.02172	-14.418	m	0
									0.004			0.004	0.011
PLH	000	0011	N	27	27	40.70013	W	81	10	16.00145	-14.344	m	0
									0.004			0.004	0.011
PLH	000	0012	N	27	27	46.27822	W	81	10	1.95690	-14.471	m	0
									0.005			0.004	0.013
PLH	000	0013	N	27	27	52.96816	W	81	9	52.47797	-14.380	m	0
									0.004			0.004	0.012
PLH	000	0014	N	27	27	52.72436	W	81	9	46.92858	-14.503	m	0
									0.004			0.004	0.012
PLH	111	0015	N	27	28	53.32725	W	81	9	11.79008	-11.051	m	0
									0.000			0.000	0.000
PLH	000	0016	N	27	29	26.26427	W	81	11	8.88144	-14.094	m	0
									0.004			0.003	0.010
PLH	000	0017	N	27	29	22.47763	W	81	11	16.25266	-14.013	m	0
									0.004			0.003	0.009
PLH	000	0018	N	27	29	7.20724	W	81	11	52.53549	-13.975	m	0
									0.004			0.004	0.010
PLH	000	0019	N	27	29	3.98410	W	81	11	50.75233	-13.994	m	0
									0.004			0.004	0.012
PLH	111	0020	N	27	27	54.32594	W	81	0	27.28064	-9.113	m	0
									0.000			0.000	0.000
PLH	001	0021	N	27	23	4.00569	W	80	59	52.91040	-13.790	m	0
									0.004			0.003	0.000
PLH	000	0022	N	27	21	29.75893	W	81	1	46.52607	-17.723	m	0
									0.004			0.004	0.010
PLH	000	0023	N	27	19	31.62836	W	81	2	31.32880	-17.886	m	0
									0.004			0.004	0.010
PLH	111	0024	N	27	18	47.10108	W	81	1	29.14134	-16.186	m	0
									0.000			0.000	0.000
PLH	000	0055	N	27	15	57.71556	W	80	51	19.18254	-13.660	m	0
									0.007			0.006	0.016
PLH	000	KRAFTBM1	N	27	27	52.97350	W	81	9	52.28168	-13.328	m	0
									0.005			0.005	0.020
PLH	000	KRANTBM2	N	27	27	46.41509	W	81	10	2.17060	-13.628	m	0
									0.007			0.006	0.020
PLH	000	KRBFTBM2	N	27	27	37.62717	W	81	10	21.12459	-14.141	m	0
									0.006			0.006	0.017
PLH	000	KRBNTBM1	N	27	27	40.71880	W	81	10	16.15265	-13.918	m	0
									0.005			0.005	0.014
PLH	000	KRCFTBM1	N	27	29	26.26465	W	81	11	8.91174	-13.852	m	0
									0.007			0.007	0.021
PLH	000	KRCFTBM2	N	27	29	26.12027	W	81	11	8.80476	-13.886	m	0
									0.011			0.010	0.041
PLH	000	KRCNTBM1	N	27	29	22.32979	W	81	11	16.17251	-13.806	m	0
									0.004			0.004	0.013

PLH 000 KRDFTBM1 N 27 29 4.00886 W 81 11 50.68024 -13.373 m 0

Fixed adjustment

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Adjusted PLH Coordinates:

CODE	FFF	STATION	LATITUDE	STD DEV	LONGITUDE	STD DEV	ELIP-HEIGHT	STD DEV		
				0.004		0.004		0.013		
PLH	000	KRDRTBM1	N 27 29 9.06222	0.006	W 81 11 50.44682	0.005	-13.806	0.015	m	0
PLH	000	PC42TBM1	N 27 27 52.66301	0.005	W 81 9 46.96368	0.004	-14.143	0.014	m	0
PLH	000	PC61TBM2	N 27 30 17.42511	0.008	W 81 11 46.18883	0.009	-13.437	0.030	m	0
PLH	000	PD01FTBM2	N 27 19 31.53081	0.007	W 81 2 31.97056	0.007	-17.049	0.026	m	0
PLH	000	PD03TBM2	N 27 21 29.81969	0.006	W 81 1 46.74868	0.006	-17.082	0.016	m	0

Fixed adjustment

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Geoid Values:

CODE	STATION	N/S DEFLECTION	E/W DEFLECTION	UNDULATION
GEOI	0001	0 0 2.24	0 0 0.95	-26.131 m
GEOI	0002	0 0 2.41	0 0 1.27	-26.116 m
GEOI	0003	0 0 2.64	0 0 1.66	-26.091 m
GEOI	0004	0 0 3.24	0 0 3.05	-25.985 m
GEOI	0005	0 0 2.63	0 0 3.78	-26.043 m
GEOI	0006	0 0 4.19	0 0 7.23	-26.008 m
GEOI	0007	0 0 1.20	0 0 4.11	-26.193 m
GEOI	0008	0 0 1.20	0 0 4.11	-26.193 m
GEOI	0009	0 0 0.98	0 0 2.48	-26.122 m
GEOI	0010	0 0 1.81	0 0 2.11	-26.083 m
GEOI	0011	0 0 1.77	0 0 2.08	-26.085 m
GEOI	0012	0 0 1.65	0 0 2.03	-26.091 m
GEOI	0013	0 0 1.58	0 0 2.02	-26.095 m
GEOI	0014	0 0 1.55	0 0 2.02	-26.097 m
GEOI	0015	0 0 1.51	0 0 1.66	-26.120 m
GEOI	0016	0 0 2.21	0 0 1.40	-26.105 m
GEOI	0017	0 0 2.24	0 0 1.45	-26.103 m
GEOI	0018	0 0 2.41	0 0 1.66	-26.089 m
GEOI	0019	0 0 2.40	0 0 1.68	-26.088 m
GEOI	0020	0 0 0.02	0 0 2.87	-26.264 m
GEOI	0021	- 0 0 0.23	0 0 3.12	-26.287 m
GEOI	0022	0 0 0.62	0 0 3.70	-26.238 m
GEOI	0023	0 0 1.86	0 0 5.05	-26.189 m
GEOI	0024	0 0 1.89	0 0 4.80	-26.217 m
GEOI	0055	0 0 0.23	0 0 4.49	-26.590 m
GEOI	KRAFTBM1	0 0 1.58	0 0 2.02	-26.095 m
GEOI	KRANTBM2	0 0 1.66	0 0 2.03	-26.091 m
GEOI	KRBFTBM2	0 0 1.81	0 0 2.11	-26.083 m
GEOI	KRBNTBM1	0 0 1.77	0 0 2.08	-26.085 m
GEOI	KRCFTBM1	0 0 2.21	0 0 1.40	-26.105 m
GEOI	KRCFTBM2	0 0 2.21	0 0 1.40	-26.105 m
GEOI	KRCNTBM1	0 0 2.25	0 0 1.45	-26.102 m
GEOI	KRDFTBM1	0 0 2.40	0 0 1.67	-26.089 m
GEOI	KRDRTBM1	0 0 2.40	0 0 1.64	-26.090 m
GEOI	PC42TBM1	0 0 1.55	0 0 2.02	-26.097 m
GEOI	PC61TBM2	0 0 2.41	0 0 1.27	-26.116 m
GEOI	PD01FTBM2	0 0 1.86	0 0 5.05	-26.189 m
GEOI	PD03TBM2	0 0 0.62	0 0 3.70	-26.238 m

```
================================================================================
                              Fixed adjustment
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================================================================================
Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.
                                                    OBSERVATION RESIDUAL  STD RES
TYPE AT           FROM         TO                       STD DEV  STD DEV      PPM
---- ------------ ------------ ------------ ----------------- -------- --------
GROUP: 00000, 92205.asc
DXCT              0022         0008               -2407.66280    0.009    0.710
                                                        0.014    0.013     3.81
DYCT              0022         0008                -183.31410   -0.006   -0.164
                                                        0.036    0.034     2.26
DZCT              0022         0008                 382.87210    0.005    0.203
                                                        0.028    0.026     2.18
GROUP: 00001, 92205.asc
DXCT              0022         0007               -2115.56060    0.001    0.177
                                                        0.008    0.007     0.30
DYCT              0022         0007               -2045.20360    0.018    1.002
                                                        0.020    0.018     4.09
DZCT              0022         0007               -3263.07620   -0.003   -0.324
                                                        0.011    0.010     0.72
GROUP: 00002, 92205.asc
DXCT              0022         0007               -2115.56320    0.004    0.312
                                                        0.013    0.013     0.89
DYCT              0022         0007               -2045.19120    0.006    0.170
                                                        0.034    0.033     1.26
DZCT              0022         0007               -3263.07450   -0.005   -0.192
                                                        0.026    0.025     1.11
GROUP: 00003, 92205.asc
DXCT              0008         0007                 292.09360    0.001    0.058
                                                        0.011    0.010     0.14
DYCT              0008         0007               -1861.90640    0.040    1.343
                                                        0.032    0.030     9.84
DZCT              0008         0007               -3645.95210   -0.005   -0.260
                                                        0.019    0.018     1.15
GROUP: 00004, 92205.asc
DXCT              0007         0024                2946.41150   -0.034   -1.396
                                                        0.025    0.024    10.73
DYCT              0007         0024                -152.54920   -0.005   -0.076
                                                        0.068    0.068     1.61
```

DZCT	0007	0024	-1183.74960	-0.015	-0.346
			0.042	0.042	4.58

GROUP: 00005, 92205.asc

DXCT	0023	0022	956.23690	0.009	0.720
			0.013	0.013	2.40
DYCT	0023	0022	1841.43440	-0.043	-0.639
			0.068	0.067	11.22
DZCT	0023	0022	3229.92850	0.010	0.271
			0.037	0.036	2.56

GROUP: 00006, 92205.asc

DXCT	0022	0023	-956.24940	0.003	0.406
			0.009	0.008	0.86
DYCT	0022	0023	-1841.38100	-0.010	-0.465
			0.025	0.022	2.69
DZCT	0022	0023	-3229.94120	0.003	0.258
			0.013	0.011	0.75

GROUP: 00007, 92205.asc

DXCT	0008	0023	1451.41040	-0.003	-0.214
			0.015	0.014	0.71
DYCT	0008	0023	-1658.08300	0.011	0.330
			0.036	0.034	2.67
DZCT	0008	0023	-3612.81030	-0.005	-0.270
			0.021	0.020	1.29

GROUP: 00008, 92205.asc

DXCT	0023	0008	-1451.41310	0.006	0.587
			0.011	0.010	1.35
DYCT	0023	0008	1658.06670	0.005	0.187
			0.030	0.027	1.18
DZCT	0023	0008	3612.81810	-0.002	-0.172
			0.015	0.014	0.56

GROUP: 00009, 92205.asc

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		0023	0007	-1159.32180	0.009	1.045
				0.009	0.008	7.30
DYCT		0023	0007	-203.79040	-0.004	-0.159
				0.026	0.025	3.33
DZCT		0023	0007	-33.14800	0.007	0.607
				0.013	0.011	5.90

GROUP: 00010, 92205.asc

DXCT	0023	0007	-1159.30820	-0.005	-0.636
			0.009	0.008	4.25
DYCT	0023	0007	-203.81860	0.024	1.278
			0.021	0.019	20.62
DZCT	0023	0007	-33.13580	-0.005	-0.488
			0.012	0.011	4.47

GROUP: 00011, 92205.asc

DXCT	0023	0007	-1159.31970	0.006	0.714
			0.010	0.009	5.52
DYCT	0023	0007	-203.80570	0.011	0.447
			0.027	0.025	9.67
DZCT	0023	0007	-33.14240	0.001	0.102
			0.014	0.013	1.14

GROUP: 00012, 92205.asc

DXCT	PD01FTBM2	0023	17.09300	0.004	0.244
			0.018	0.016	218.26

DYCT	PD01FTBM2	0023	4.84650	-0.004	-0.090
			0.047	0.040	200.11
DZCT	PD01FTBM2	0023	2.28040	0.003	0.120
			0.027	0.023	156.28

GROUP: 00013, 92205.asc

DXCT	PD01FTBM2	0007	-1142.21810	0.002	0.122
			0.017	0.015	1.56
DYCT	PD01FTBM2	0007	-198.96860	0.017	0.456
			0.044	0.038	14.83
DZCT	PD01FTBM2	0007	-30.85520	-0.003	-0.122
			0.026	0.022	2.29

GROUP: 00014, 92205.asc

DXCT	0023	0024	1787.07830	-0.014	-1.805
			0.009	0.008	6.44
DYCT	0023	0024	-356.33580	-0.013	-0.671
			0.021	0.019	5.86
DZCT	0023	0024	-1216.90490	-0.000	-0.030
			0.012	0.011	0.15

GROUP: 00015, 92205.asc

DXCT	0024	PD01FTBM2	-1804.17070	0.010	0.597
			0.018	0.016	4.36
DYCT	0024	PD01FTBM2	351.48790	0.018	0.436
			0.047	0.041	8.09
DZCT	0024	PD01FTBM2	1214.62250	-0.000	-0.020
			0.027	0.024	0.22

GROUP: 00016, 92205.asc

DXCT	0022	0021	2876.01550	-0.002	-0.246
			0.009	0.008	0.44
DYCT	0022	0021	1801.57270	-0.003	-0.196
			0.019	0.017	0.78
DZCT	0022	0021	2577.97860	-0.000	-0.021
			0.015	0.014	0.07

GROUP: 00017, 92205.asc

DXCT	0021	0008	-5283.66440	-0.003	-0.341
			0.009	0.008	0.45
DYCT	0021	0008	-1984.90700	0.018	0.358
			0.051	0.050	2.97
DZCT	0021	0008	-2195.09600	-0.005	-0.164
			0.030	0.030	0.80

GROUP: 00018, 92205.asc

DXCT	0008	0021	5283.66580	0.001	0.099

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.014	0.013	0.22
DYCT		0008	0021	1984.90880	-0.020	-0.588
				0.035	0.034	3.27
DZCT		0008	0021	2195.09770	0.003	0.181
				0.019	0.017	0.52

GROUP: 00019, 92205.asc

DXCT	0022	PD03TBM2	-6.08300	-0.005	-0.641
			0.010	0.008	822.46
DYCT	0022	PD03TBM2	-0.68770	0.020	0.872
			0.027	0.023	3122.21
DZCT	0022	PD03TBM2	1.96740	-0.012	-0.697
			0.019	0.017	1816.35

GROUP: 00020, 92205.asc

DXCT	0022	PD03TBM2	-6.09260	0.004	0.344
			0.014	0.013	670.67
DYCT	0022	PD03TBM2	-0.64780	-0.020	-0.585
			0.037	0.034	3083.61
DZCT	0022	PD03TBM2	1.94570	0.010	0.376
			0.028	0.027	1558.74
GROUP: 00021, 92205.asc					
DXCT	PD03TBM2	PD01FTBM2	-967.24940	-0.005	-0.389
			0.017	0.014	1.38
DYCT	PD03TBM2	PD01FTBM2	-1845.55210	-0.015	-0.326
			0.051	0.045	3.77
DZCT	PD03TBM2	PD01FTBM2	-3234.18180	0.005	0.226
			0.025	0.020	1.19
GROUP: 00022, 92205.asc					
DXCT	PD03TBM2	0008	-2401.56580	0.001	0.050
			0.014	0.012	0.25
DYCT	PD03TBM2	0008	-182.63120	-0.021	-0.682
			0.035	0.030	8.53
DZCT	PD03TBM2	0008	380.90760	0.014	0.593
			0.026	0.024	5.79
GROUP: 00023, 92205.asc					
DXCT	0007	PD03TBM2	2109.46980	0.001	0.133
			0.011	0.009	0.28
DYCT	0007	PD03TBM2	2044.54530	-0.027	-1.075
			0.029	0.025	6.21
DZCT	0007	PD03TBM2	3265.02450	0.011	0.852
			0.015	0.012	2.41
GROUP: 00024, 92205.asc					
DXCT	0024	0022	-830.82000	0.002	0.315
			0.007	0.006	0.38
DYCT	0024	0022	2197.72070	0.019	1.122
			0.019	0.017	3.83
DZCT	0024	0022	4446.84450	-0.001	-0.092
			0.012	0.011	0.19
GROUP: 00025, 92205.asc					
DXCT	0021	0024	-2045.18770	-0.008	-1.882
			0.005	0.004	0.94
DYCT	0021	0024	-3999.30380	-0.006	-0.410
			0.014	0.014	0.67
DZCT	0021	0024	-7024.82050	-0.001	-0.140
			0.010	0.010	0.16
GROUP: 00026, 92205.asc					
DXCT	PD03TBM2	0023	-950.15460	-0.003	-0.227
			0.015	0.014	0.84
DYCT	PD03TBM2	0023	-1840.72220	-0.002	-0.035
			0.046	0.043	0.39
DZCT	PD03TBM2	0023	-3231.89110	-0.003	-0.143
			0.023	0.021	0.76
GROUP: 00027, 92205.asc					
DXCT	0005	0006	10484.46560	0.020	2.244
			0.009	0.009	1.04

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		0005	0006	-6385.65960	-0.001	-0.046
				0.025	0.025	0.06
DZCT		0005	0006	-15361.74460	0.021	1.325

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                                                    0.016    0.016     1.08
GROUP: 00028, 92205.asc
DXCT              0006         0007               -695.87910   -0.017   -2.851
                                                    0.007    0.006     1.74
DYCT              0006         0007               4448.69350    0.031    1.719
                                                    0.018    0.018     3.18
DZCT              0006         0007               8735.66540   -0.041   -3.350
                                                    0.013    0.012     4.18
GROUP: 00029, 92205.asc
DXCT              0008         0005              -9496.50590    0.010    0.978
                                                    0.011    0.010     1.03
DYCT              0008         0005                 75.08460   -0.015   -0.557
                                                    0.028    0.026     1.47
DZCT              0008         0005               2980.12490    0.017    1.205
                                                    0.016    0.014     1.74
GROUP: 00030, 92205.asc
DXCT              0005         0007               9788.60310   -0.013   -1.493
                                                    0.010    0.009     1.11
DYCT              0005         0007              -1936.99520    0.059    2.225
                                                    0.027    0.027     4.95
DZCT              0005         0007              -6626.05990   -0.039   -2.475
                                                    0.016    0.016     3.26
GROUP: 00031, 92205.asc
DXCT              0009         0021              12838.46710   -0.022   -2.164
                                                    0.011    0.010     1.59
DYCT              0009         0021               -915.18430    0.005    0.175
                                                    0.029    0.029     0.36
DZCT              0009         0021              -5591.79210   -0.008   -0.466
                                                    0.018    0.017     0.57
GROUP: 00032, 92205.asc
DXCT              0005         0009               1941.71370    0.004    0.456
                                                    0.009    0.009     0.72
DYCT              0005         0009               2825.01510   -0.017   -0.670
                                                    0.025    0.025     2.85
DZCT              0005         0009               4806.76540   -0.007   -0.430
                                                    0.015    0.015     1.11
GROUP: 00033, 92205.asc
DXCT              0009         0005              -1941.72890    0.011    1.797
                                                    0.006    0.006     1.85
DYCT              0009         0005              -2825.00650    0.008    0.514
                                                    0.016    0.016     1.39
DZCT              0009         0005              -4806.76360    0.005    0.360
                                                    0.013    0.013     0.80
GROUP: 00034, 92205.asc
DXCT              0006         0024               2250.50900   -0.028   -5.929
                                                    0.005    0.005     3.09
                                                ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
DYCT              0006         0024               4296.18930   -0.019   -1.537
                                                    0.012    0.012     2.10
DZCT              0006         0024               7551.89350   -0.033   -3.747
                                                    0.009    0.009     3.72
GROUP: 00035, 92205.asc
DXCT              0015         0009               3093.09150    0.008    0.808
                                                    0.010    0.010     1.51
DYCT              0015         0009              -1595.02180    0.003    0.146
                                                    0.024    0.024     0.66
DZCT              0015         0009              -3952.69880    0.005    0.459
                                                    0.012    0.012     1.03
GROUP: 00036, 92205.asc
DXCT              0009         0015              -3093.09440   -0.005   -0.787
                                                    0.006    0.006     0.96
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Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION / STD DEV	RESIDUAL / STD DEV	STD RES / PPM
DYCT		0009	0015	1594.99900	0.019	0.620
				0.031	0.031	3.67
DZCT		0009	0015	3952.69610	-0.003	-0.159
				0.017	0.017	0.52
GROUP: 00037, 92205.asc						
DXCT		0008	0009	-7554.78610	0.008	0.738
				0.012	0.011	0.75
DYCT		0008	0009	2900.08890	-0.021	-0.628
				0.035	0.033	1.84
DZCT		0008	0009	7786.90640	-0.005	-0.263
				0.021	0.020	0.48
GROUP: 00038, 92205.asc						
DXCT		0008	0009	-7554.78260	0.005	0.399
				0.013	0.012	0.43
DYCT		0008	0009	2900.08430	-0.016	-0.509
				0.033	0.032	1.43
DZCT		0008	0009	7786.89180	0.009	0.566
				0.017	0.016	0.82
GROUP: 00039, 92205.asc						
DXCT		0009	0012	-4308.21990	0.008	0.959
				0.010	0.008	1.67
DYCT		0009	0012	445.59770	-0.003	-0.109
				0.030	0.027	0.62
DZCT		0009	0012	2120.01290	0.009	0.471
				0.019	0.018	1.76
GROUP: 00040, 92205.asc						
DXCT		0009	0014	-3914.54320	0.005	0.742
				0.008	0.007	1.17
DYCT		0009	0014	599.40700	0.012	0.592
				0.023	0.021	2.68
DZCT		0009	0014	2296.06700	-0.005	-0.482
				0.011	0.010	1.01
GROUP: 00041, 92205.asc						
DXCT		0015	0014	-821.44720	0.009	1.134
				0.009	0.008	4.19
DYCT		0015	0014	-995.60690	0.008	0.350
				0.025	0.022	3.74
DZCT		0015	0014	-1656.63200	0.001	0.097
				0.012	0.010	0.48
GROUP: 00042, 92205.asc						
DXCT		KRCFTBM2	0001	-235.46350	0.001	0.036
				0.029	0.026	0.40
DYCT		KRCFTBM2	0001	1061.40560	-0.015	-0.210
				0.078	0.070	6.24
DZCT		KRCFTBM2	0001	2089.25070	0.006	0.120
				0.054	0.049	2.49
GROUP: 00043, 92205.asc						
DXCT		0017	0001	-41.34050	-0.002	-0.278
				0.008	0.007	0.75
DYCT		0017	0001	1143.75760	-0.010	-0.592
				0.018	0.016	3.86
DZCT		0017	0001	2188.77810	0.001	0.074
				0.014	0.013	0.38
GROUP: 00044, 92205.asc						
DXCT		0015	KRCFTBM2	-3246.02730	0.003	0.141
				0.025	0.022	0.93

DYCT	0015	KRCFTBM2	-30.29010	0.014	0.231
			0.069	0.060	4.09
DZCT	0015	KRCFTBM2	894.15360	-0.003	-0.067
			0.048	0.041	0.83

GROUP: 00045, 92205.asc

DXCT	0015	0001	-3481.49580	0.009	0.573
			0.016	0.016	1.93
DYCT	0015	0001	1031.13070	-0.016	-0.374

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.043	0.043	3.43
DZCT		0015	0001	2983.39500	0.012	0.430
				0.029	0.029	2.63

GROUP: 00046, 92205.asc

DXCT	PC42TBM1	0014	0.77200	-0.003	-1.865
			0.003	0.001	1204.69
DYCT	PC42TBM1	0014	1.31710	0.007	2.158
			0.008	0.003	3292.74
DZCT	PC42TBM1	0014	1.50860	0.001	0.594
			0.004	0.001	337.71

GROUP: 00047, 92205.asc

DXCT	0014	PC42TBM1	-0.75330	-0.016	-2.062
			0.008	0.008	7492.03
DYCT	0014	PC42TBM1	-1.40130	0.077	1.703
			0.046	0.045	35865.78
DZCT	0014	PC42TBM1	-1.48420	-0.025	-1.014
			0.025	0.025	11685.31

GROUP: 00048, 92205.asc

DXCT	0016	KRCFTBM2	2.42280	-0.001	-0.093
			0.016	0.010	198.38
DYCT	0016	KRCFTBM2	-1.87140	-0.010	-0.365
			0.044	0.028	2092.25
DZCT	0016	KRCFTBM2	-3.83870	0.003	0.153
			0.030	0.020	613.09

GROUP: 00049, 92205.asc

DXCT	0016	0017	-191.70110	0.003	0.223
			0.013	0.012	11.66
DYCT	0016	0017	-84.21610	-0.023	-0.838
			0.029	0.027	97.43
DZCT	0016	0017	-103.36540	0.007	0.650
			0.013	0.011	31.00

GROUP: 00050, 92205.asc

DXCT	0017	0016	191.69480	0.004	0.569
			0.007	0.006	15.32
DYCT	0017	0016	84.24860	-0.010	-0.602
			0.019	0.016	41.75
DZCT	0017	0016	103.35580	0.002	0.174
			0.015	0.014	10.11

GROUP: 00051, 92205.asc

DXCT	0016	0001	-233.04620	0.005	0.418
			0.014	0.013	2.33
DYCT	0016	0001	1059.54380	-0.035	-1.188
			0.031	0.029	14.71
DZCT	0016	0001	2085.41020	0.011	0.829
			0.014	0.013	4.54

GROUP: 00052, 92205.asc

DXCT	0016	0001	-233.04630	0.006	0.784
			0.008	0.007	2.37
DYCT	0016	0001	1059.50640	0.003	0.136
			0.023	0.021	1.20
DZCT	0016	0001	2085.41810	0.003	0.215
			0.014	0.013	1.18
GROUP: 00053, 92205.asc					
DXCT	0016	0015	3248.44930	-0.003	-0.257
			0.013	0.013	0.98
DYCT	0016	0015	28.39340	0.001	0.043
			0.031	0.029	0.37
DZCT	0016	0015	-897.98330	-0.003	-0.243
			0.014	0.013	0.95
GROUP: 00054, 92205.asc					
DXCT	0005	0011	-2735.36960	-0.004	-0.464
			0.009	0.008	0.47
DYCT	0005	0011	3133.05350	-0.014	-0.673
			0.023	0.020	1.73

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		0005	0011	6774.49700	-0.008	-0.446
				0.019	0.018	1.01
GROUP: 00055, 92205.asc						
DXCT		0003	0019	1344.11990	-0.000	-0.018
				0.011	0.010	0.11
DYCT		0003	0019	-279.18740	-0.020	-0.733
				0.029	0.027	11.79
DZCT		0003	0019	-930.11710	0.005	0.270
				0.019	0.017	2.85
GROUP: 00056, 92205.asc						
DXCT		0019	0003	-1344.12740	0.008	0.528
				0.015	0.015	4.63
DYCT		0019	0003	279.19980	0.007	0.148
				0.050	0.048	4.31
DZCT		0019	0003	930.11750	-0.005	-0.226
				0.024	0.023	3.09
GROUP: 00057, 92205.asc						
DXCT		0019	0004	-1180.47320	-0.001	-0.075
				0.013	0.012	0.13
DYCT		0019	0004	-3244.92150	0.021	0.641
				0.035	0.033	3.15
DZCT		0019	0004	-5815.90560	-0.003	-0.129
				0.023	0.022	0.41
GROUP: 00058, 92205.asc						
DXCT		0019	0004	-1180.48120	0.007	0.572
				0.013	0.012	1.05
DYCT		0019	0004	-3244.90500	0.005	0.122
				0.041	0.039	0.71
DZCT		0019	0004	-5815.90510	-0.003	-0.168
				0.021	0.020	0.48
GROUP: 00059, 92205.asc						
DXCT		0005	0004	-6667.65330	0.001	0.099
				0.011	0.011	0.15
DYCT		0005	0004	657.83100	-0.006	-0.246
				0.025	0.025	0.84
DZCT		0005	0004	3233.18750	0.006	0.319

				0.019	0.019	0.83
GROUP: 00060, 92205.asc						
DXCT	0004	0003	-163.64420	-0.001	-0.068
			0.021	0.021	0.19
DYCT	0004	0003	3524.12940	-0.022	-0.464
			0.048	0.048	2.92
DZCT	0004	0003	6746.00810	0.013	0.634
			0.020	0.020	1.66
GROUP: 00061, 92205.asc					
DXCT	0011	0012	368.88410	-0.005	-0.587
			0.009	0.008	11.02
DYCT	0011	0012	137.56080	-0.008	-0.387
			0.023	0.019	17.81
DZCT	0011	0012	152.28260	0.009	0.487
			0.019	0.018	20.69
GROUP: 00062, 92205.asc					
DXCT	0010	0011	129.27150	0.001	0.137
			0.007	0.006	4.81
DYCT	0010	0011	65.83590	-0.007	-0.553
			0.016	0.013	42.04
DZCT	0010	0011	87.15310	0.000	0.025
			0.011	0.010	1.44
GROUP: 00063, 92205.asc					
DXCT	0011	0010	-129.27720	0.005	0.508
			0.010	0.010	28.87
DYCT	0011	0010	-65.82290	-0.006	-0.265
			0.024	0.022	34.78
DZCT	0011	0010	-87.15440	0.001	0.116

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.011	0.009	6.24
GROUP: 00064, 92205.asc						
DXCT		0010	KRBFTBM2	-3.00680	-0.001	-0.133
				0.009	0.007	192.13
DYCT		0010	KRBFTBM2	0.96590	-0.006	-0.359
				0.021	0.016	1237.82
DZCT		0010	KRBFTBM2	3.31280	0.004	0.529
				0.011	0.007	843.31
GROUP: 00065, 92205.asc						
DXCT		0019	0018	-55.36510	-0.013	-1.815
				0.008	0.007	116.46
DYCT		0019	0018	37.73070	0.010	0.513
				0.022	0.019	88.08
DZCT		0019	0018	88.03000	-0.008	-0.634
				0.014	0.012	71.05
GROUP: 00066, 92205.asc						
DXCT		KRDFTBM1	0019	-1.99120	0.005	0.223
				0.023	0.023	2278.15
DYCT		KRDFTBM1	0019	-0.12880	0.022	0.425
				0.054	0.053	10170.41
DZCT		KRDFTBM1	0019	-0.95560	-0.007	-0.354
				0.021	0.019	3112.74
GROUP: 00067, 92205.asc						
DXCT		0019	KRDFTBM1	1.97740	0.009	1.125
				0.009	0.008	3967.20
DYCT		0019	KRDFTBM1	0.12290	-0.017	-0.689

			0.027	0.024	7500.29
DZCT	0019	KRDFTBM1	0.95720	0.005	0.402
			0.015	0.013	2388.64
GROUP: 00068, 92205.asc					
DXCT	0010	0005	2864.64220	0.003	0.349
			0.011	0.010	0.44
DYCT	0010	0005	-3067.21940	0.008	0.391
			0.024	0.022	1.07
DZCT	0010	0005	-6687.33190	-0.004	-0.222
			0.018	0.017	0.47
GROUP: 00069, 92205.asc					
DXCT	0003	0010	3966.64340	0.009	0.734
			0.013	0.012	1.65
DYCT	0003	0010	-1114.71440	-0.007	-0.228
			0.030	0.029	1.24
DZCT	0003	0010	-3291.88470	0.006	0.382
			0.017	0.015	1.11
GROUP: 00070, 92205.asc					
DXCT	0018	0003	-1288.74370	0.002	0.154
			0.013	0.013	1.26
DYCT	0018	0003	241.46550	0.001	0.034
			0.031	0.029	0.65
DZCT	0018	0003	842.09300	-0.003	-0.140
			0.021	0.020	1.77
GROUP: 00071, 92205.asc					
DXCT	KRDFTBM1	0003	-1346.09550	-0.010	-0.290
			0.036	0.036	6.26
DYCT	KRDFTBM1	0003	279.08840	0.012	0.142
			0.087	0.086	7.37
DZCT	KRDFTBM1	0003	929.15930	-0.009	-0.268
			0.036	0.035	5.67
GROUP: 00072, 92205.asc					
DXCT	0010	0004	-3803.00670	0.000	0.018
			0.012	0.011	0.03
DYCT	0010	0004	-2409.38210	-0.004	-0.154
			0.029	0.027	0.72
DZCT	0010	0004	-3454.15390	0.012	0.870
			0.015	0.014	2.12

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
GROUP: 00073, 92205.asc						
DXCT		KRDFTBM1	0004	-1182.45050	-0.010	-0.437
				0.023	0.022	1.44
DYCT		KRDFTBM1	0004	-3245.03500	0.028	0.535
				0.055	0.053	4.21
DZCT		KRDFTBM1	0004	-5816.86910	-0.002	-0.087
				0.021	0.020	0.26
GROUP: 00074, 92205.asc						
DXCT		0002	0003	-1309.68410	0.007	0.640
				0.012	0.011	3.91
DYCT		0002	0003	-771.42500	0.011	0.413
				0.027	0.025	5.65
DZCT		0002	0003	-1075.34880	-0.005	-0.200
				0.024	0.023	2.43
GROUP: 00075, 92205.asc						
DXCT		0002	0003	-1309.67370	-0.003	-0.335

			0.010	0.009	1.68
DYCT	0002	0003	-771.42100	0.007	0.284
			0.025	0.023	3.51
DZCT	0002	0003	-1075.35130	-0.002	-0.169
			0.014	0.012	1.09

GROUP: 00076, 92205.asc

DXCT	0001	0002	-888.75090	-0.002	-0.222
			0.009	0.008	1.49
DYCT	0001	0002	-497.79510	0.010	0.530
			0.022	0.019	8.39
DZCT	0001	0002	-688.28770	-0.004	-0.268
			0.017	0.015	3.34

GROUP: 00077, 92205.asc

DXCT	0003	0001	2198.42910	0.000	0.058
			0.009	0.008	0.15
DYCT	0003	0001	1269.22130	-0.022	-1.027
			0.022	0.021	7.13
DZCT	0003	0001	1763.63590	0.009	0.820
			0.012	0.011	2.99

GROUP: 00078, 92205.asc

DXCT	0012	0014	393.67600	-0.002	-0.174
			0.012	0.011	4.36
DYCT	0012	0014	153.82900	-0.004	-0.128
			0.037	0.035	9.75
DZCT	0012	0014	176.03420	0.007	0.291
			0.024	0.023	14.77

GROUP: 00079, 92205.asc

DXCT	0002	0018	-20.93260	-0.002	-0.233
			0.012	0.011	1.15
DYCT	0002	0018	-1012.89190	0.011	0.451
			0.027	0.024	5.04
DZCT	0002	0018	-1917.44940	0.006	0.302
			0.021	0.019	2.69

GROUP: 00080, 92205.asc

DXCT	0017	0002	-930.09580	0.001	0.095
			0.009	0.008	0.38
DYCT	0017	0002	645.96470	-0.001	-0.077
			0.021	0.018	0.75
DZCT	0017	0002	1500.49180	-0.005	-0.499
			0.011	0.009	2.44

GROUP: 00081, 92205.asc

DXCT	0016	0002	-1121.79430	0.001	0.093
			0.010	0.009	0.45
DYCT	0016	0002	561.71940	0.005	0.199
			0.028	0.025	2.68
DZCT	0016	0002	1397.12110	0.008	0.493
			0.018	0.016	4.24

GROUP: 00082, 92205.asc

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DXCT		PC61TBM2	0002	1.41080	0.001	0.043
				0.024	0.020	564.64
DYCT		PC61TBM2	0002	0.58660	0.015	0.312
				0.056	0.049	9868.88
DZCT		PC61TBM2	0002	-0.04690	0.001	0.053
				0.022	0.019	635.42

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GROUP: 00083, 92205.asc
DXCT              0018         0017                951.03030   -0.000   -0.022
                                                       0.007    0.006     0.12
DYCT              0018         0017                366.91190    0.006    0.427
                                                       0.016    0.014     5.25
DZCT              0018         0017                416.96400   -0.008   -0.667
                                                       0.013    0.011     6.95
GROUP: 00084, 92205.asc
DXCT              0018         0017                951.03430   -0.004   -0.608
                                                       0.008    0.007     3.75
DYCT              0018         0017                366.92360   -0.006   -0.337
                                                       0.019    0.018     5.37
DZCT              0018         0017                416.94460    0.012    0.821
                                                       0.015    0.014    10.66
GROUP: 00085, 92205.asc
DXCT              0003         0016               2431.47020    0.000    0.011
                                                       0.009    0.008     0.03
DYCT              0003         0016                209.70890   -0.019   -0.826
                                                       0.025    0.023     7.67
DZCT              0003         0016               -321.78480    0.009    0.668
                                                       0.015    0.014     3.68
GROUP: 00086, 92205.asc
DXCT              PC61TBM2     0003              -1308.27090    0.006    0.299
                                                       0.023    0.019     3.08
DYCT              PC61TBM2     0003               -770.80570   -0.007   -0.155
                                                       0.053    0.045     3.77
DZCT              PC61TBM2     0003              -1075.40060    0.001    0.078
                                                       0.021    0.017     0.72
GROUP: 00087, 92205.asc
DXCT              0001         PC61TBM2           -890.16810    0.004    0.319
                                                       0.016    0.012     3.01
DYCT              0001         PC61TBM2           -498.39030    0.004    0.136
                                                       0.039    0.028     3.06
DZCT              0001         PC61TBM2           -688.24730    0.001    0.127
                                                       0.016    0.011     1.15
GROUP: 00088, 92205.asc
DXCT              0004         0009               8609.38370   -0.014   -2.307
                                                       0.006    0.006     1.51
DYCT              0004         0009               2167.15870    0.015    1.016
                                                       0.015    0.015     1.65
DZCT              0004         0009               1573.58560   -0.020   -1.439
                                                       0.014    0.014     2.27
GROUP: 00089, 92205.asc
DXCT              0009         0004              -8609.36800   -0.002   -0.128
                                                       0.017    0.017     0.24
DYCT              0009         0004              -2167.15030   -0.023   -0.559
                                                       0.042    0.042     2.58
DZCT              0009         0004              -1573.58090    0.016    0.825
                                                       0.019    0.019     1.75
GROUP: 00090, 92205.asc
DXCT              0012         0017              -2225.04420    0.012    0.709
                                                       0.018    0.017     3.40
DYCT              0012         0017               1036.81060   -0.021   -0.549
                                                       0.039    0.037     5.71
DZCT              0012         0017               2627.30200   -0.002   -0.080
                                                       0.022    0.021     0.47
GROUP: 00091, 92205.asc
DXCT              0013         0014                151.07220    0.001    0.147
```


Residuals (critical value = 3.950):

NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.009	0.008	8.19
DYCT		0013	0014	20.10150	-0.008	-0.351
				0.026	0.024	55.08
DZCT		0013	0014	-6.71440	-0.001	-0.065
				0.015	0.014	5.76
GROUP: 00092, 92205.asc						
DXCT		0013	0014	151.07470	-0.001	-0.103
				0.013	0.012	8.20
DYCT		0013	0014	20.08660	0.006	0.242
				0.029	0.027	42.59
DZCT		0013	0014	-6.71490	-0.000	-0.036
				0.012	0.010	2.49
GROUP: 00093, 92205.asc						
DXCT		0013	0014	151.07380	-0.000	-0.053
				0.008	0.007	2.30
DYCT		0013	0014	20.12120	-0.028	-0.689
				0.042	0.041	184.22
DZCT		0013	0014	-6.72690	0.012	0.519
				0.023	0.022	76.18
GROUP: 00094, 92205.asc						
DXCT		0013	0017	-2467.63730	0.005	0.718
				0.008	0.007	1.33
DYCT		0013	0017	903.06520	-0.007	-0.386
				0.021	0.017	1.83
DZCT		0013	0017	2444.53310	0.011	1.019
				0.013	0.011	3.05
GROUP: 00095, 92205.asc						
DXCT		0013	KRAFTBM1	5.45630	0.001	0.258
				0.005	0.004	167.72
DYCT		0013	KRAFTBM1	-0.01180	-0.008	-0.360
				0.028	0.023	1477.19
DZCT		0013	KRAFTBM1	0.62640	0.005	0.419
				0.015	0.012	898.89
GROUP: 00096, 92205.asc						
DXCT		0012	0013	242.59950	0.001	0.335
				0.005	0.003	3.18
DYCT		0012	0013	133.73160	-0.000	-0.022
				0.012	0.007	0.49
DZCT		0012	0013	182.75300	0.003	0.753
				0.007	0.004	9.76
GROUP: 00097, 92205.asc						
DXCT		KRAFTBM1	PC42TBM1	144.85050	-0.004	-0.489
				0.009	0.008	25.16
DYCT		KRAFTBM1	PC42TBM1	18.79090	-0.002	-0.102
				0.027	0.020	14.13
DZCT		KRAFTBM1	PC42TBM1	-8.86100	0.005	0.512
				0.013	0.010	34.55
GROUP: 00098, 92205.asc						
DXCT		0011	0013	611.48280	-0.003	-0.286
				0.011	0.010	3.74
DYCT		0011	0013	271.30880	-0.024	-1.085
				0.025	0.022	32.19
DZCT		0011	0013	335.04250	0.005	0.587
				0.011	0.009	6.78
GROUP: 00099, 92205.asc						
DXCT		KRBNTBM1	KRBFTBM2	-128.19390	-0.001	-0.280
				0.006	0.004	6.48
DYCT		KRBNTBM1	KRBFTBM2	-64.12540	0.005	0.669
				0.014	0.008	30.56

DZCT	KRBNTBM1	KRBFTBM2	-84.53950	-0.003	-0.539
			0.010	0.006	20.71
GROUP: 00100, 92205.asc					
DXCT	0018	KRCNTBM1	953.55760	-0.003	-0.377
			0.010	0.009	2.96

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DYCT		0018	KRCNTBM1	364.98970	0.008	0.378
				0.024	0.021	7.27
DZCT		0018	KRCNTBM1	413.01870	-0.004	-0.345
				0.012	0.011	3.40
GROUP: 00101, 92205.asc						
DXCT		KRCNTBM1	KRCFTBM1	188.38500	-0.001	-0.160
				0.008	0.004	2.95
DYCT		KRCNTBM1	KRCFTBM1	85.82750	-0.003	-0.270
				0.020	0.011	13.14
DZCT		KRCNTBM1	KRCFTBM1	107.42040	0.001	0.274
				0.010	0.005	5.57
GROUP: 00102, 92205.asc						
DXCT		0011	KRBNTBM1	-4.08330	-0.002	-0.411
				0.006	0.004	407.11
DYCT		0011	KRBNTBM1	-0.75500	0.007	0.773
				0.014	0.009	1604.86
DZCT		0011	KRBNTBM1	0.70810	-0.002	-0.279
				0.010	0.007	435.64
GROUP: 00103, 92205.asc						
DXCT		KRDRTBM1	0018	-52.65480	0.003	0.451
				0.008	0.007	36.51
DYCT		KRDRTBM1	0018	-34.66160	-0.007	-0.409
				0.020	0.016	81.41
DZCT		KRDRTBM1	0018	-50.73350	0.003	0.322
				0.011	0.008	33.11
GROUP: 00104, 92205.asc						
DXCT		0017	KRCFTBM1	190.90790	0.001	0.068
				0.011	0.009	2.53
DYCT		0017	KRCFTBM1	83.89800	0.006	0.274
				0.029	0.024	27.73
DZCT		0017	KRCFTBM1	103.48360	-0.003	-0.211
				0.018	0.016	14.12
GROUP: 00105, 92205.asc						
DXCT		KRDRTBM1	KRCNTBM1	900.90550	-0.003	-0.512
				0.008	0.006	2.93
DYCT		KRDRTBM1	KRCNTBM1	330.32480	0.005	0.322
				0.020	0.015	4.60
DZCT		KRDRTBM1	KRCNTBM1	362.28560	-0.001	-0.192
				0.010	0.008	1.43
GROUP: 00106, 92205.asc						
DXCT		0017	KRCNTBM1	2.52970	-0.006	-1.102
				0.006	0.005	1091.79
DYCT		0017	KRCNTBM1	-1.93430	0.014	1.033
				0.017	0.014	2830.75
DZCT		0017	KRCNTBM1	-3.93360	-0.008	-0.933
				0.010	0.008	1539.21
GROUP: 00107, 92205.asc						
DXCT		KRCNTBM1	0017	-2.51640	-0.008	-1.435
				0.006	0.005	1537.25

DYCT	KRCNTBM1	0017	1.89620	0.024	1.676
			0.017	0.014	4700.55
DZCT	KRCNTBM1	0017	3.94940	-0.008	-1.170
			0.009	0.007	1584.01
GROUP: 00108, 92205.asc					
DXCT	KRANTBM2	KRBNTBM1	-366.98580	0.003	0.325
			0.011	0.009	7.11
DYCT	KRANTBM2	KRBNTBM1	-138.58660	0.005	0.180
			0.033	0.027	11.37
DZCT	KRANTBM2	KRBNTBM1	-155.70840	-0.003	-0.214
			0.019	0.016	8.04
GROUP: 00109, 92205.asc					
DXCT	KRBNTBM1	KRDFTBM1	-2745.73720	0.004	0.351
			0.012	0.010	1.01
DYCT	KRBNTBM1	KRDFTBM1	770.53130	0.008	0.484

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.022	0.018	2.32
DZCT		KRBNTBM1	KRDFTBM1	2274.86160	0.008	0.513
				0.018	0.015	2.13
GROUP: 00110, 92205.asc						
DXCT		0018	KRDFTBM1	57.36710	-0.003	-0.476
				0.007	0.006	26.62
DYCT		0018	KRDFTBM1	-37.64260	0.008	0.560
				0.018	0.015	76.53
DZCT		0018	KRDFTBM1	-87.05580	-0.004	-0.499
				0.010	0.008	34.84
GROUP: 00111, 92205.asc						
DXCT		KRANTBM2	KRAFTBM1	254.04150	-0.002	-0.404
				0.008	0.005	6.09
DYCT		KRANTBM2	KRAFTBM1	133.43200	-0.001	-0.058
				0.021	0.013	2.24
DZCT		KRANTBM2	KRAFTBM1	179.25960	0.001	0.155
				0.013	0.008	3.70
GROUP: 00112, 92205.asc						
DXCT		KRDFTBM1	KRCNTBM1	896.18910	0.001	0.157
				0.008	0.007	0.99
DYCT		KRDFTBM1	KRCNTBM1	402.62940	0.002	0.130
				0.022	0.019	2.20
DZCT		KRDFTBM1	KRCNTBM1	500.07360	0.001	0.111
				0.011	0.009	0.92
GROUP: 00113, 92205.asc						
DXCT		0012	KRANTBM2	-5.98080	-0.001	-0.141
				0.008	0.006	118.70
DYCT		0012	KRANTBM2	0.27880	0.001	0.090
				0.024	0.016	203.20
DZCT		0012	KRANTBM2	4.12690	-0.000	-0.017
				0.014	0.010	23.98
GROUP: 00114, 92205.asc						
DXCT		KRDRTBM1	KRDFTBM1	4.71200	0.000	0.061
				0.007	0.005	1.95
DYCT		KRDRTBM1	KRDFTBM1	-72.30340	0.001	0.089
				0.018	0.012	7.04
DZCT		KRDRTBM1	KRDFTBM1	-137.78960	-0.001	-0.137
				0.009	0.006	5.67
GROUP: 00115, 92205.asc						

DXCT	0019	0017	895.64780	0.004	0.839
			0.006	0.005	3.97
DYCT	0019	0017	404.65840	-0.000	-0.021
			0.017	0.013	0.25
DZCT	0019	0017	504.99130	-0.013	-1.121
			0.013	0.011	11.60
GROUP: 00116, 92205.asc					
DXCT	0018	0011	2807.18780	-0.005	-0.713
			0.008	0.007	1.36
DYCT	0018	0011	-807.42380	-0.002	-0.107
			0.020	0.017	0.49
DZCT	0018	0011	-2362.64240	0.007	0.552
			0.015	0.013	1.89
GROUP: 00117, 92205.asc					
DXCT	0018	0010	2677.91190	-0.002	-0.197
			0.009	0.008	0.41
DYCT	0018	0010	-873.22680	-0.028	-1.427
			0.022	0.019	7.41
DZCT	0018	0010	-2449.80600	0.017	1.168
			0.017	0.015	4.65
GROUP: 00118, 92205.asc					
DXCT	0020	0001	-17837.60970	0.007	0.799
			0.009	0.009	0.37
DYCT	0020	0001	-372.16020	-0.029	-1.040
			0.028	0.028	1.57

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
DZCT		0020	0001	4593.78550	0.025	1.978
				0.013	0.013	1.37
GROUP: 00119, 92205.asc						
DXCT		0015	0020	14356.12980	-0.014	-1.477
				0.009	0.009	0.94
DYCT		0015	0020	1403.26790	0.036	1.292
				0.028	0.028	2.46
DZCT		0015	0020	-1610.37830	-0.025	-1.902
				0.013	0.013	1.72
GROUP: 00120, 92205.asc						
DXCT		KRBFTBM2	PC42TBM1	894.07270	-0.009	-0.682
				0.014	0.013	8.29
DYCT		KRBFTBM2	PC42TBM1	354.91200	0.010	0.262
				0.043	0.039	9.74
DZCT		KRBFTBM2	PC42TBM1	410.66460	-0.005	-0.182
				0.029	0.027	4.73
GROUP: 00121, 92205.asc						
DXCT		0020	0009	-11263.04750	0.031	2.859
				0.011	0.011	2.60
DYCT		0020	0009	-2998.28690	-0.035	-1.094
				0.032	0.032	2.95
DZCT		0020	0009	-2342.31650	0.026	1.738
				0.015	0.015	2.23
GROUP: 00122, 92205.asc						
DXCT		0014	0016	-2427.00720	-0.000	-0.052
				0.009	0.008	0.11
DYCT		0014	0016	967.19970	0.005	0.224
				0.024	0.021	1.28
DZCT		0014	0016	2554.61610	0.001	0.095

			0.016	0.015	0.38
GROUP: 00123, 92205.asc					
DXCT	0021	0020	-1575.44470	0.017	1.500
			0.011	0.011	1.84
DYCT	0021	0020	3913.50790	-0.007	-0.266
			0.025	0.025	0.75
DZCT	0021	0020	7934.08830	0.002	0.144
			0.014	0.013	0.21
GROUP: 00124, 92205.asc					
DXCT	0017	0011	1856.16190	-0.009	-0.578
			0.017	0.016	2.64
DYCT	0017	0011	-1174.37930	0.036	1.007
			0.037	0.036	10.15
DZCT	0017	0011	-2779.58300	-0.009	-0.428
			0.021	0.020	2.44
GROUP: 00125, 92205.asc					
DXCT	0055	0021	-14896.03060	0.009	1.540
			0.009	0.006	0.45
DYCT	0055	0021	3720.81540	-0.030	-2.230
			0.021	0.013	1.55
DZCT	0055	0021	11657.05340	0.010	1.487
			0.011	0.007	0.54
GROUP: 00126, 92205.asc					
DXCT	0055	0008	-20179.70580	0.017	1.017
			0.018	0.016	0.75
DYCT	0055	0008	1735.91200	-0.016	-0.433
			0.040	0.036	0.70
DZCT	0055	0008	9461.95140	0.011	0.600
			0.022	0.019	0.51
GROUP: 00127, 92205.asc					
DXCT	0055	0020	-16471.42930	-0.021	-2.453
			0.011	0.008	0.78
DYCT	0055	0020	7634.21980	0.067	2.721
			0.029	0.025	2.50
DZCT	0055	0020	19591.18330	-0.029	-2.239

Residuals (critical value = 3.950):
NOTE: Observation values shown are reduced to mark-to-mark.

TYPE	AT	FROM	TO	OBSERVATION STD DEV	RESIDUAL STD DEV	STD RES PPM
				0.016	0.013	1.10

S T A T I S T I C S S U M M A R Y

Residual Critical Value Type	Tau Max
Residual Critical Value	3.9502
Number of Flagged Residuals	1
Convergence Criterion	0.0010
Final Iteration Counter Value	3
Confidence Level Used	95.0000
Estimated Variance Factor	3.1272

Number of Degrees of Freedom	297

Chi-Square Test on the Variance Factor:

2.6794e+00 < 1.0000 < 3.6981e+00 ?

******** THE TEST FAILS ********

NOTE: All confidence regions were computed using the following factors:

Variance factor used	=	3.1272
1-D expansion factor	=	1.9600
2-D expansion factor	=	2.4477

Note that, for relative confidence regions, precisions are computed from the ratio of the major semi-axis and the spatial distance between the two stations.

2-D and 1-D Station Confidence Regions (95.000 and 95.000 percent):

STATION	MAJOR SEMI-AXIS	AZ	MINOR SEMI-AXIS	VERTICAL
0001	0.009	31	0.008	0.000

0002	0.011	37	0.009	0.022
0007	0.009	168	0.008	0.000
0008	0.010	166	0.009	0.023
0010	0.011	39	0.009	0.022
0011	0.010	24	0.009	0.021
0012	0.012	7	0.010	0.026
0013	0.011	18	0.010	0.024
0014	0.010	10	0.009	0.023
0016	0.009	7	0.009	0.020
0017	0.009	174	0.008	0.018
0018	0.009	27	0.009	0.020
0019	0.010	174	0.009	0.024
0021	0.009	170	0.008	0.000
0022	0.010	172	0.009	0.020
0023	0.010	160	0.009	0.020
0055	0.018	172	0.015	0.032
KRAFTBM1	0.013	12	0.011	0.039
KRANTBM2	0.018	146	0.014	0.040
KRBFTBM2	0.016	40	0.013	0.032
KRBNTBM1	0.014	39	0.011	0.028
KRCFTBM1	0.018	17	0.016	0.040
KRCFTBM2	0.029	38	0.020	0.079
KRCNTBM1	0.011	12	0.010	0.025
KRDFTBM1	0.011	24	0.010	0.025
KRDRTBM1	0.014	172	0.013	0.030
PC42TBM1	0.012	16	0.010	0.027
PC61TBM2	0.024	123	0.019	0.058
PD01FTBM2	0.019	47	0.017	0.051
PD03TBM2	0.016	32	0.013	0.032

Fixed adjustment

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2-D and 1-D Relative Station Confidence Regions (95.000 and 95.000 percent):

FROM	TO	MAJ-SEMI	AZ	MIN-SEMI	VERTICAL	DISTANCE	PPM
0001	0002	0.012	38	0.010	0.022	1229.397	10.12
0001	0003	0.009	31	0.008	0.000	3091.020	2.99
0001	0015	0.009	31	0.008	0.000	4699.433	1.97
0001	0016	0.010	32	0.009	0.020	2350.712	4.22
0001	0017	0.010	8	0.010	0.018	2469.944	4.09
0001	0020	0.009	31	0.008	0.000	18423.401	0.50
0001	KRCFTBM2	0.029	38	0.021	0.079	2355.204	12.23
0001	PC61TBM2	0.023	122	0.019	0.058	1230.636	19.06
0002	0003	0.011	37	0.009	0.022	1861.913	6.01
0002	0016	0.012	31	0.010	0.027	1877.745	6.43
0002	0017	0.011	30	0.010	0.024	1879.842	6.02
0002	0018	0.013	34	0.011	0.026	2168.630	5.79
0002	PC61TBM2	0.024	122	0.020	0.060	1.535	15657.42
0003	0010	0.011	39	0.009	0.022	5273.841	2.05
0003	0016	0.009	7	0.009	0.020	2461.617	3.65
0003	0018	0.009	27	0.009	0.020	1558.293	5.93
0003	0019	0.010	174	0.009	0.024	1658.229	5.88
0003	KRDFTBM1	0.011	24	0.010	0.025	1659.282	6.60
0003	PC61TBM2	0.024	123	0.019	0.058	1860.697	12.76
0004	0010	0.011	39	0.009	0.022	5674.425	1.90
0004	0019	0.010	174	0.009	0.024	6763.704	1.44
0004	KRDFTBM1	0.011	24	0.010	0.025	6764.929	1.62
0005	0007	0.009	168	0.008	0.000	11978.038	0.78
0005	0008	0.010	166	0.009	0.023	9953.407	0.96
0005	0010	0.011	39	0.009	0.022	7895.216	1.37
0005	0011	0.010	24	0.009	0.021	7949.334	1.26
0006	0007	0.009	168	0.008	0.000	9827.846	0.96
0007	0008	0.011	18	0.010	0.023	4104.250	2.69
0007	0022	0.009	13	0.009	0.020	4393.866	2.16
0007	0023	0.009	4	0.008	0.020	1177.556	7.41
0007	0024	0.009	168	0.008	0.000	3178.948	2.96
0007	PD01FTBM2	0.019	48	0.016	0.051	1159.824	16.45
0007	PD03TBM2	0.015	34	0.013	0.032	4392.081	3.53
0008	0009	0.010	166	0.009	0.023	11230.356	0.85
0008	0021	0.011	172	0.009	0.023	6056.021	1.74
0008	0022	0.012	29	0.010	0.028	2444.790	4.74
0008	0023	0.011	35	0.010	0.027	4231.811	2.62
0008	0055	0.019	170	0.016	0.037	22355.356	0.83
0008	PD03TBM2	0.017	36	0.013	0.036	2438.438	6.98
0009	0012	0.012	7	0.010	0.026	4822.213	2.40
0009	0014	0.010	10	0.009	0.023	4577.643	2.21
0009	0021	0.009	170	0.008	0.000	14033.227	0.64
0010	0011	0.010	49	0.008	0.020	169.235	60.84
0010	0018	0.012	41	0.010	0.024	3732.994	3.29
0010	KRBFTBM2	0.014	41	0.012	0.030	4.579	3163.78
0011	0012	0.012	178	0.011	0.026	422.120	28.54
0011	0013	0.011	29	0.010	0.025	748.171	14.27
0011	0017	0.011	23	0.010	0.022	3542.670	3.08
0011	0018	0.011	36	0.009	0.023	3756.895	2.99
0011	KRBNTBM1	0.013	43	0.009	0.024	4.213	3115.26
0012	0013	0.010	19	0.009	0.021	331.872	30.02
0012	0014	0.011	13	0.010	0.027	457.855	24.88
0012	0017	0.012	8	0.011	0.026	3595.610	3.46
0012	KRANTBM2	0.016	145	0.012	0.036	7.272	2242.53

0013	0014	0.009	15	0.008	0.024	152.552	56.22
0013	0017	0.011	17	0.010	0.025	3588.944	3.16
0013	KRAFTBM1	0.008	14	0.007	0.037	5.494	1536.33
0014	0015	0.010	10	0.009	0.023	2100.096	4.82
0014	0016	0.012	172	0.011	0.027	3654.028	3.28
0014	PC42TBM1	0.007	18	0.006	0.016	2.150	3151.21
0015	0016	0.009	7	0.009	0.020	3370.399	2.67
0015	KRCFTBM2	0.029	38	0.020	0.079	3367.060	8.47
0016	0017	0.010	156	0.009	0.022	233.511	41.39
0016	KRCFTBM2	0.028	38	0.020	0.079	4.911	5718.72
0017	0018	0.009	170	0.007	0.018	1101.335	7.79
0017	0019	0.011	163	0.009	0.023	1104.963	9.56

2-D and 1-D Relative Station Confidence Regions (95.000 and 95.000 percent):

FROM	TO	MAJ-SEMI	AZ	MIN-SEMI	VERTICAL	DISTANCE	PPM
0017	KRCFTBM1	0.016	19	0.014	0.037	232.796	68.67
0017	KRCNTBM1	0.009	13	0.008	0.020	5.059	1682.18
0018	0019	0.010	179	0.009	0.024	110.630	91.88
0018	KRCNTBM1	0.010	176	0.009	0.022	1101.395	9.11
0018	KRDFTBM1	0.010	1	0.009	0.022	110.844	89.83
0018	KRDRTBM1	0.012	162	0.011	0.027	80.918	151.60
0019	KRDFTBM1	0.011	159	0.010	0.027	2.210	5121.74
0020	0021	0.009	170	0.008	0.000	8985.948	1.00
0020	0055	0.018	172	0.015	0.032	26709.630	0.66
0021	0022	0.012	24	0.010	0.020	4261.816	2.73
0021	0024	0.009	170	0.008	0.000	8338.191	1.08
0021	0055	0.017	171	0.014	0.032	19277.522	0.89
0022	0023	0.010	30	0.009	0.025	3838.962	2.54
0022	0024	0.010	172	0.009	0.020	5029.387	1.96
0022	PD03TBM2	0.016	36	0.012	0.032	6.429	2411.61
0023	0024	0.010	160	0.009	0.020	2191.219	4.47
0023	PD01FTBM2	0.019	49	0.017	0.053	17.916	1077.74
0023	PD03TBM2	0.016	35	0.013	0.035	3838.776	4.17
0024	PD01FTBM2	0.019	47	0.017	0.051	2203.148	8.77
KRAFTBM1	KRANTBM2	0.016	144	0.012	0.037	338.341	47.57
KRAFTBM1	PC42TBM1	0.012	16	0.011	0.037	146.329	83.40
KRANTBM2	KRBNTBM1	0.018	147	0.015	0.041	422.051	42.84
KRBFTBM2	KRBNTBM1	0.015	42	0.010	0.026	166.412	91.32
KRBFTBM2	PC42TBM1	0.017	42	0.015	0.038	1045.926	16.26
KRBNTBM1	KRDFTBM1	0.016	41	0.012	0.030	3647.988	4.46
KRCFTBM1	KRCNTBM1	0.015	14	0.014	0.035	233.225	65.76
KRCNTBM1	KRDFTBM1	0.011	176	0.010	0.025	1102.426	10.07
KRCNTBM1	KRDRTBM1	0.012	164	0.011	0.027	1025.667	12.17
KRDFTBM1	KRDRTBM1	0.012	162	0.011	0.026	155.679	78.03
PD01FTBM2	PD03TBM2	0.022	40	0.019	0.056	3847.285	5.75

Thu Sep 22 15:25:14 2005

Backsight Readings					Foresight Readings										
	Mean Reading	*Cumulative Mean*	*Stadia*	*Cumulative Stadia*		*Mean Reading*	*Cumulative Mean*	*Stadia*	*Cumulative Stadia*	*KRCN*	39.665	*(NAVD88)*	12.090		
2.634	2.552	2.552	0.163	0.163			0.000	0.000	0.000	*KRCN*	39.665	(NAVD88)			
2.552															
2.471										*TP #*	*ELE*	*CORRECTION*	*ADJUSTED ELE*	*Description*	*ELE (m)*
-1.429	-1.332	1.220	-0.194	-0.031	-1.393	-1.295	-1.295	-0.196	-0.196	1	43.513	0.000	43.513	KRCNND	**13.263**
-1.332					-1.295										
-1.235					-1.197										
-1.317	-1.206	0.014	-0.222	-0.253	-1.366	-1.273	-2.568	-0.186	-0.382	2	43.454	0.000	43.453	KRCNNM	**13.245**
-1.206					-1.273										
-1.095					-1.180										
-1.402	-1.293	-1.279	-0.218	-0.471	-1.441	-1.332	-3.900	-0.219	-0.601	3	43.579	0.000	43.579	KRCNNS	**13.283**
-1.293					-1.332										
-1.184					-1.222										
-1.484	-1.355	-2.634	-0.258	-0.729	-1.395	-1.278	-5.177	-0.234	-0.835	4	43.564	0.000	43.564	PC 52	**13.278**
-1.355					-1.277										
-1.226					-1.161										
1.982	1.835	-0.799	0.294	-0.435	2.043	1.897	-3.280	0.292	-0.543	5	40.312	0.000	40.311	TMB 1	**12.287**
1.835					1.897									GPS	12.296
1.688					1.751									Δ	-0.009
5.177	5.050	4.251	0.255	-0.180	5.236	5.111	1.830	0.251	-0.292	6	37.036	-0.001	37.036	KRRPC44	**11.289**
5.050					5.111										
4.922					4.985										
					2.521	2.420	4.250	0.202	-0.090	7	39.666	-0.001	39.665	KRCN	**12.090**
					2.420										
					2.319										

SUM OF BS	*SUM OF STADIA*	*SUM OF FS*	*SUM OF STADIA*
4.251	-0.180	4.250	-0.090

PUBLISHED DIFF -	0.000
MEASURED DIFF -	0.001
MISCLOSURE -	-0.001
PROPOGATED ERROR -	0.000
TOTAL DIST (IN MILES) -	-0.005
ALLOWABLE ERROR -	#NUM!

#NUM!

Office

Project

1 August 2017

INPUT	OUTPUT
State Plane, flhpgn - Florida HPGN	Geographic, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet	Vertical - NGVD29 (Custom), U.S. Feet
Vertical - NAVD88, U.S. Feet	

KRCN

Northing/Y:	1147188.221	**Latitude:**	27 29 22.47768
Easting/X:	595266.743	**Longitude:**	81 11 16.25265
Elevation/Z:	0	**Elevation/Z:**	1.155
Convergence:	-0 05 12.15049		
Scale Factor:	0.999945428		
Combined Factor:	0.999949524		

Remark:

DBHYDRO | by station

STATION INFORMATION

Station	KRCNND
Site	KRCN
Type	WELL
Latitude (ddmmss.sss)	272922.396
Longitude (ddmmss.sss)	811116.21
X Coord (ft) NAD83	595270.56
Y Coord (ft) NAD83	1147179.964
County	Okeechobee
Basin	S-65BC
Section	25
Township	34
Range	31
Show Map	Google Map
Well Info	Info
Description	KISSIMMEE RIVER RESTORATION, SITE C, NEAR WELL, DEEP
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Sample Data | Get Time Series Data

SFWMD Headquarters: 3301 Gun Club Road, West Palm Beach, Florida 33406
561-686-8800 | 1-800-432-2045 (Florida Only)

STATION INFORMATION

Station	KRCNNM
Site	KRCN
Type	WELL
Latitude (ddmmss.sss)	272922.492
Longitude (ddmmss.sss)	811116.236
X Coord (ft) NAD83	595268.234
Y Coord (ft) NAD83	1147189.662
County	Okeechobee
Basin	S-65BC
Section	25
Township	34
Range	31
Show Map	Google Map
Well Info	Info
Description	KISSIMMEE RIVER RESTORATION, SITE C, NEAR WELL, MEDIUM DEPTH
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Sample Data | Get Time Series Data

SFWMD Headquarters: 3301 Gun Club Road, West Palm Beach, Florida 33406
561-686-8800 | 1-800-432-2045 (Florida Only)

STATION INFORMATION

Station	KRCNNS
Site	KRCN
Type	WELL
Latitude (ddmmss.sss)	272922.561
Longitude (ddmmss.sss)	811116.325
X Coord (ft) NAD83	595260.229
Y Coord (ft) NAD83	1147196.641
County	Okeechobee
Basin	S-65BC
Section	25
Township	34
Range	31
Show Map	Google Map
Well Info	Info
Description	KISSIMMEE RIVER RESTORATION, SITE C, NEAR WELL, SHALLOW DEPTH
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

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DBHYDRO | by station

STATION INFORMATION

Station	PC52
Site	KRCN
Type	
Latitude (ddmmss.sss)	272922.396
Longitude (ddmmss.sss)	811116.21
X Coord (ft) NAD83	595270.56
Y Coord (ft) NAD83	1147179.964
County	Okeechobee
Basin	S-65BC
Section	25
Township	34
Range	31
Show Map	Google Map
Description	POOL C, TRANSECT 5, GAGE 2, FLOODPLAIN STAGE
Notes	
Nearby Stations	Nearby Stations
Attachments	None Available

Query returned 1 station record(s).

Get Time Series Data

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561-686-8800 | 1-800-432-2045 (Florida Only)