SALT - GILA RIVERS

GPS PROJECT ADJUSTMENTS

GPS CONTROL SURVEY

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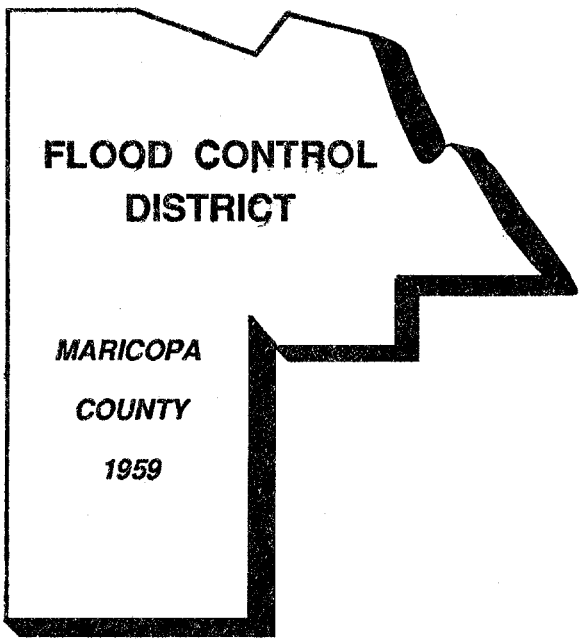

Baker
Michael Baker Jr., Inc

2 of 4

Greiner

MARICOPA COUNTY SALT-GILA WATERCOURSE MASTER PLAN PHASE 1 AERIAL MAPPING GPS CONTROL SURVEY NETWORK PHOENIX, ARIZONA GREINER, INC. 1991

SUMMARY

The intent of this GPS Control Survey was to provide a photogrammetric horizontal control network for a 400 scale 4-foot contour aerial topographic map of the Salt-Gila Rivers in the general vicinity of Phoenix Arizona. Approximately 150 record monuments were targeted and occupied using Trimble 4000 ST single frequency receivers in accordance with the FGCC "Geometric Accuracy Standards and Specifications for using GPS Relative Positioning Techniques" in order to develop the photogrammetric horizontal control for this aerial mapping project. The photogrammetric vertical control for this aerial mapping project was developed by a Least Squares Adjustment of conventional leveling and is not a part of this report.

In accordance with the contract specifications, this GPS horizontal control network was tied into the Arizona State Plane Coordinate System by direct measurements to 3 NGS first order triangulation stations within the immediate vicinity of this mapping project. These first order NGS triangulation stations are: Broadway, Etta and Val Vista. Additionally, in consideration of the fact that the East-West scope of this aerial mapping project extended approximately 80 miles, several other NGS first order triangulation stations were occupied around the project perimeter. These additional first order triangulation stations were occupied in order to verify the existence of a uniform State Plane Coordinate Network and to identify any "Local Control" coordinate discrepancies which may exist and thereby have an impact on this project or future projects within the same general area. Although verification of the existing NGS triangulation network is beyond the scope of this 400 scale 4-foot contour aerial topographic mapping project, all baselines between the NGS triangulation stations listed below were measured at least twice in order to provide redundant measurements as defined in the FGCC specifications. Due to its historical significance, as the initial point of the Arizona public lands survey system, one NGS second order triangulation station "Initial Point" was occupied instead of the NGS first order triangulation station "Initial Monument" only a few feet away. The published NAD83 record coordinates of triangulation stations Etta, Broadway, Squaw Peak, Litchfield, and Initial Point (not Initial Monument) appear to be in general agreement due to the lack of significant differences between the record coordinate values and the (measured) coordinate values generated by the unconstrained GPS project adjustment. However, triangulation stations Val Vista, Powers Butte, and Wintersburg exhibit larger positional differences between the published record coordinate values and the (measured) coordinate values generated by the unconstrained GPS project adjustment. This positional discrepancy would appear to cast some doubt on the accuracy of the published record coordinates of these three triangulation stations in relation to the overall area network. Please see the attached table entitled "NAD83 Grid Coordinate Value Comparisons (International Foot)".

Once again, it should be emphasized that the intent of this particular GPS control survey was to provide photogrammetric horizontal control for a 4-foot contour 400 scale aerial topographic map of the Salt-Gila Rivers, and an examination of the precision of the unconstrained adjustment proved to be well within the PPM requirements specified in the contract for this GPS control network. Under no circumstances should the resultant coordinate values of this GPS control survey be used for boundary analysis or land net control of a GIS digital mapping database.

THE FOLLOWING APPENDICES ARE INCLUDED AS PART OF THIS PROJECT REPORT:

An Appendix entitled GPS PROJECT COORDINATES which contains the following sections: NAD83 Arizona State Plane Ground Coordinates in International Feet, NAD83 Arizona State Plane Grid Coordinates in International Feet, NAD83 State Plane Grid Coordinates in Meters, and NAD27 Arizona State Plane Grid Coordinates in U.S. Survey Feet. Once again, it should be noted that the intent of this GPS control survey was to develop horizontal photogrammetric control for a 400 scale, 4-foot contour aerial topographic map of the Salt-Gila Rivers and under no circumstances should the resultant coordinate values be used for boundary analysis or land net control of a GIS digital mapping database.

An Appendix entitled GPS PROJECT ADJUSTMENTS which contains a GEOLAB least squares statistical adjustment with the title "Unscaled, #8 Constrained NAD83 Adjustment - Salt River GPS - 1991". This project adjustment was developed by the constrained NAD83 values of the following 8 NGS triangulation stations: Initial Point (not Initial Monument), Powers Butte, Wintersburg, Litchfield, Etta, Squaw Peak, Val Vista, and Broadway. It should be noted that due to the relatively large distance away from the immediate project, the record coordinate values of these 8 NGS control points were held "fixed" in the Geolab least squares adjustment but were not heavily weighted. Therefore, minor differences in the final coordinates of these points will be evident in the least squares adjustment report and the resultant coordinate listings due to a lack of agreement between the record coordinate values and the redundant GPS baseline vector measurements. The average ppm of the constrained project adjustment was 6 ppm, with a low value of 1 ppm and a high value of 35 ppm in a vector distance of 685 meters. This constrained adjustment was used to develop the NAD83 Coordinate values for this 400 scale 4-foot contour aerial topographic mapping project.

An Appendix entitled GPS PROJECT ADJUSTMENTS which contains a GEOLAB least squares statistical adjustment with the title: "Unscaled, #8 Constrained NAD27 Adjustment - Salt River GPS - 1991". This project adjustment was developed from the constrained NAD27 values of the following 8 NGS triangulation stations: Initial Point (not Initial Monument), Powers Butte, Wintersburg, Litchfield, Etta, Squaw Peak, Val Vista, and Broadway. It should be noted that due to the relatively large distance away from the immediate project, the record coordinate values of these 8 NGS control points were held "fixed" in the Geolab least squares adjustment but were not heavily weighted. Therefore, minor differences in the final coordinates of these points will be evident in the least squares adjustment report and the resultant coordinate listings due to a lack of agreement between the record coordinate values and the redundant GPS baseline vector measurements. The average ppm of this constrained project adjustment was 6 ppm with a low value of 1 ppm and a high value of 31 ppm in a vector distance of 685 meters. This constrained adjustment was used to develop the NAD27 coordinate values for this 400 scale 4-foot contour aerial topographic mapping project.

An Appendix entitled GPS PROJECT ADJUSTMENTS which contains a GEOLAB least squares statistical adjustment with the title: "Scaled Unconstrained Project Adjustment - Salt River GPS - 1991". This project adjustment was developed by constraining the NAD83 value of a single NGS triangulation station (Etta), in order to provide a quality check of the internal consistency of the GPS measurements. This adjustment was scaled to better fit a bell curve graph and to pass the Chi-squared test. The average ppm of this scaled unconstrained project network was 3 ppm with a low value of 1 ppm, and a high value of 13 ppm, in a vector distance of 685 meters. This scaled unconstrained adjustment is well within contract specifications and was produced in order to examine the actual precision of the GPS measurements used for this 400 scale 4-foot contour aerial topographic mapping project.

An Appendix entitled GPS PROJECT PROCESSING which contains the Trimble (Rev E) automatic baseline processing software parameters for the GPS observations of the NGS triangulation station network verification along with the resulting baseline summary reports and a Trimble "TMAP" plot of the baselines observed. In consideration of the relatively long baselines measured in the NGS triangulation station verification, the GPS observation data was first processed using the Trimble preset "automatic" processing parameters and then reprocessed using "manually" modified processing parameters in order to provide a comparison of the resultant vector differences. For all intents and purposes, the resultant raw GPS baseline vectors developed from the program preset "automatic" processing parameters were nearly identical to the resultant raw GPS baseline vectors developed from the "manually" modified processing. Therefore, the "automatic" GPS vectors were considered to be adequate for the NGS triangulation station verification of this 400 scale, 4 foot contour aerial mapping project. Please see the attached comparison tables entitled "Trimble 4000 ST Single Frequency Field Calibration and Comparisons".

An Appendix entitled GPS PROJECT PROCESSING which contains the Trimble (Rev E) manually modified baseline processing software parameters for the GPS observations of the NGS triangulation station verification along with the resulting baseline summary reports and a Trimble "TMAP" plot of the baselines observed. In consideration of the relatively long baseline measurements included in the NGS triangulation station verification, the Trimble processing parameters were manually modified in order to provide a comparison to the preset automatic processing sequence. Although the positional dilution of precision (PDOP) improved noticeably, the resultant raw GPS "Manual" baseline vectors were only slightly different than the processed preset "Automatic" baselines. Therefore, the program processed and adjusted "Automatic" baselines were considered to be adequate for the NGS triangulation station verification of this 400 scale, 4 foot contour aerial mapping project. Please see the attached comparison tables entitled "Trimble 4000 ST Single Frequency Field Calibration and Comparisons".

An Appendix entitled GPS PROJECT CLOSURES which contains the Trimble (Rev E) "Tclose" traverse closure reports for the NGS triangulation station verification and the 20 project loops. In accordance with the FGCC standards and specifications, all 20 project network loops were 10 sides or less. The average ppm closure for the loops in the project network was 2 ppm with a low value of 1 ppm and a high value of 5 ppm. The average value of 2 ppm for all the loops in this project network was considerably less than the specified allowable average of 16 ppm, and the maximum project loop closure of 4.53 ppm for Loop #8 was also considerably less than the allowable maximum of 25 ppm as specified in the FGCC standards.

An Appendix entitled GPS OBSERVATION REPORTS which contains the daily work reports recorded by the GPS field crew for each GPS observation day. These daily work reports are a general summary of the hours worked and points observed by each member of the GPS field crew. In order to satisfy contract requirements, daily work reports were recorded in addition to the GPS observation sheets which provide a detailed summary of each observation session.

An Appendix entitled GPS OBSERVATION SHEETS which contains the GPS observation sheets for all the points of this project as recorded by each member of the GPS field crew. These observation sheets show relevant information concerning each GPS occupation including: the name of the field operator, the model and serial number of the GPS receiver, the location and description of the point occupied, information regarding the satellite constellation for each individual observation session, and the antenna height entered into the receiver along with the three independent measurement checks required by the FGCC specifications.

An Appendix entitled GPS OBSERVATION WINDOWS which contains the satellite windows available for this project as well as the Trimble satellite "SKYPLOT" configurations for the individual observation sessions. All observations sessions were designed according to the "FGCC Geometric Accuracy Standards and Specifications for using GPS Relative Positioning Techniques".

An Appendix entitled GPS OBSERVATION POINTS which contains the recon sheet "Visibility", "To Reach", and "Point Identification" descriptions for all the GPS observation points of this project. This binder also includes the published record coordinates and "To Reach" descriptions for the occupied NGS triangulation stations surrounding the general vicinity of this 400 scale 4-foot contour aerial topographic mapping project.

David Paul Johnson
Project Surveyor, G.P.S.

Robert J. Pecha, P.L.S.
Project Manager

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21080
ROBERT J.
PECHA
Date Signed 7-17-92
ARIZONA, U.S.A.

R00704

MARICOPA COUNTY SALT-GILA WATERCOURSE AERIAL MAPPING

NAD 83 GRID COORDINATE VALUE COMPARISONS (INTERNATIONAL FOOT)

NAME	NUMBER		RECORD	CONSTRAINED	± DIF	UNCONSTRAINED	± DIF
		N	864,981.997	864,981.987	-0.010	864,981.913	-0.084
INITIAL POINT	0001	E	581,116.248	581,116.362	+0.114	581,116.537	+0.289
		N	840,141.032	840,141.074	+0.042	840,141.285	+0.253
POWERS BUTTE	0005	E	450,010.732	450,011.135	+0.403	450,011.819	+1.087
		N	880,381.043	880,381.056	+0.013	880,381.027	-0.016
WINTERSBURG	0007	E	407,444.792	407,444.862	+0.070	407,446.665	+1.873
		N	917,126.638	917,126.633	-0.005	917,126.404	-0.234
LITCHFIELD	0009	E	564,283.971	564,283.975	+0.004	564,284.542	+0.571
		N	896,344.272	896,344.272	HELD	896,344.272	HELD
ETTA	0013	E	647,409.040	647,409.040	HELD	647.409.040	HELD
		N	926,687.833	926,687.747	-0.086	926,687.466	-0.367
SQUAW PEAK	0015	E	668,215.780	668,215.769	-0.011	668,215.654	-0.126
		N	900,292.414	900,292.274	-0.140	900,292.259	-0.155
VAL VISTA	0019	E	750,259.803	750,259.198	-0.605	750,258.834	-0.969
		N	875,535.738	875,535.795	+0.057	875,535.783	+0.045
BROADWAY	0021	E	684,546.463	684,546.424	-0.039	684,546.338	-0.125

* NOTE: Although verification of the local existing NGS triangulation network is beyond the scope of this 400 scale, 4-foot contour aerial mapping project, the published NAD83 Record Coordinates of Triangulation Stations Etta, Broadway, Squaw Peak, Litchfield, and Initial Point (not Initial Monument) appear to be in general agreement according the lack of major differences between the record coordinate values and the (measured) coordinate values generated by the unconstrained adjustment. Triangulation stations Val Vista, Powers Butte and Wintersburg exhibit larger positional differences between the (measured) unconstrained coordinates and the published record values. This discrepancy would appear to cast some doubt on the accuracy of the published record coordinates of these three triangulation stations relative to the overall area network.

MARICOPA COUNTY SALT-GILA WATERCOURSE AERIAL MAPPING

RAW GPS "AUTOMATIC" BASELINE MEASUREMENT COMPARISONS (DIRECTORY VCTR1)

TRIMBLE 4000 ST SINGLE FREQUENCY RECEIVER FIELD CALIBRATION AND COMPARISONS

STATION FROM	RECEIVER FROM	STATION TO	RECEIVER TO	GPS DAY	VECTOR DISTANCE (m)
0001	WHITE	0013	BLUE	330-1	22,356.121 *
0001	WHITE	0013	BLUE	330-2	22,356.297
0001	RED	0013	WHITE	337-1	22,356.248
0001	RED	0013	WHITE	337-2	22,356.214
0001	GREEN	0013	RED	339-1	22,356.396
0001	GREEN	0013	RED	339-4	22,356.352

#2934A00381 = RED #2934A00379 = WHITE #2934A00382 = BLUE #2934A00373 = GREEN

* NOTE: As noted per the attached letter, Trimble GPS receivers are calibrated before they leave the factory, and also undergo a self calibration routine each time they are turned on. However, in an effort to provide an actual project field comparison, a common network baseline was measured repeatedly using three different receiver combinations with the resultant raw GPS vector distances shown above. Except for the first raw GPS vector distance which would appear to contain operator error, the maximum difference between any pair of measured "automatic" vectors is 182mm in 22,356m, or 8ppm. Of further note is the fact that the maximum difference realized between any raw GPS vector developed from preset "Automatic" processing and the corresponding raw GPS vector developed from "Manual" processing (set to process each measurement observation) was only 91mm in 22,356 meters, or 4ppm (please refer to the following page).

MARICOPA COUNTY SALT-GILA WATERCOURSE AERIAL MAPPING

RAW GPS "MANUAL" BASELINE MEASUREMENT COMPARISONS (DIRECTORY VCTR1M)

TRIMBLE 4000 ST SINGLE FREQUENCY RECEIVER FIELD CALIBRATION AND COMPARISONS

STATION FROM	RECEIVER FROM	STATION TO	RECEIVER TO	GPS DAY	VECTOR DISTANCE (m)
0001	WHITE	0013	BLUE	330-1	22,356.139 *
0001	WHITE	0013	BLUE	330-2	22,356.273
0001	RED	0013	WHITE	337-1	22,356.291
0001	RED	0013	WHITE	337-2	22,356.281
0001	GREEN	0013	RED	339-1	22,356.305
0001	GREEN	0013	RED	339-4	22,356.288

#2934A00381 = RED #2934A00379 = WHITE #2934A00382 = BLUE #2934A00373 = GREEN

* NOTE: As noted per the attached letter, Trimble GPS receivers are calibrated before they leave the factory, and also undergo a self calibration routine each time they are turned on. However, in an effort to provide an actual project field comparison, a common network baseline was measured repeatedly using three different receiver combinations with the resultant raw GPS vector distances shown above. Except for the first raw GPS vector distance which would appear to contain operator error, the maximum difference between any pair of measured "manual" vectors is 32mm in 22,356m, or 1ppm. Of further note is the fact that the maximum difference realized between any raw GPS vector developed from preset "Automatic" processing and the corresponding raw GPS vector developed from "Manual" processing (set to process each measurement observation) was only 91mm in 22,356 meters, or 4ppm (please refer to the previous page).

RECEIVED
DEC 1991
GREINER ENG.

TrimbleNavigation

1 November 1991

Dave Johnson
GREINER, INC.
1261 East Dyer Road
Santa Ana, CA 92705-5605

Dear Mr. Johnson:

As per your request for information regarding the calibration of GPS Carrier Phase Tracking receivers. All receivers are calibrated before leaving Trimble Navigation Ltd by our Q.A. group. This calibration includes measuring a baseline of known coordinates to determine any abnormalities in the antenna phase center or the receivers tracking loop. The receivers also do a self calibration between all the channels every time a survey is started. The results of this calibration are available for the user to analyze, and are located in the double difference output file.

Should you have any further questions or if I can be of service to you, please call me at 1-800-874-6253 extension 2019.

Regards,

TRIMBLE NAVIGATION LTD.

Ken Mooyman

Ken Mooyman
Survey Sales
Western Region

645 North Mary Avenue
Post Office Box 3642
Sunnyvale, CA 94088-3642

(408) 730-2900
FAX (408) 730-2997
Telex 6713973

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

PREPARE:

2 22 - Saturday, January 18, 1992

Input from: <GILA-27.iob>
Output to: <GILA-27.LST>

PREPARE successfully completed.

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

GETUP:

PARAMETERS		OBSERVATIONS	
Description	Number	Description	Number
All Stations	137	Directions	0
Fixed Stations	1	Distances	0
Free 3-D Stations	136	Azimuths	0
Free 2-D Stations	0	Vertical Angles	0
Free 1-D Stations	0	Zenithal Angles	0
Coord. Parameters	408	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.	14
Direction Pars.	0	2-D Coord. Diffs.	0
Scale Parameters	0	3-D Coords.	0
Constant Pars.	0	3-D Coord. Diffs.	1101
Rotation Pars.	0		
Translation Pars.	0		
Total Parameters	408	Total Observations	1115

Degrees of Freedom = 707

TUP:

SUMMARY OF SELECTED OPTIONS

OPTION	SELECTION
Computation Mode	Adjustment
Linear Unit	Metre
Maximum Iterations	2
Confidence Regions Selected	Point and Connected Relative
Confidence Region Dimensions	1-D and 2-D only
Print Input Station Data	On
Variance Factor Knowledge	Known
Confidence Level for Statistics	95.000
Dual-Height Mode	Off
Print Solution Vector	On All Iterations
Printed Ellipsoidal Coordinates	5 Decimal Places
Print Adjusted X, Y, Z	On
Print Histograms	On
Print Misclosures	On All Iterations
Print Residuals	All
Variance Factor Usage	Scale Confidence Regions
Residual Rejection Criterion	Tau Max
Angular Misclosure Limit Factor	10
Linear Misclosure Limit Factor	10
Convergence Criterion	0.001000

GETUP:

CODE	IDENT.	DESCRIPTOR	INITIAL VALUES		
4	0001				
		ELLIPSOIDAL :	33 22 38.62280	-112 18 20.53992	297.9000
		ASTRONOMIC :	33 22 38.62280	-112 18 20.53992	297.9000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2023724.8086	-4932951.6937	3488967.0186
14	0013				
		ELLIPSOIDAL :	33 27 49.73970	-112 5 18.28990	329.5000
		ASTRONOMIC :	33 27 49.73970	-112 5 18.28990	329.5000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2003026.9609	-4935723.5838	3496984.8319
4	0015				
		ELLIPSOIDAL :	33 32 51.19303	-112 1 14.09723	739.7354
		ASTRONOMIC :	33 32 51.19303	-112 1 14.09723	739.7354
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1995388.1215	-4933655.4150	3504955.9709
4	0007				
		ELLIPSOIDAL :	33 24 59.48767	-112 52 30.45401	304.6785
		ASTRONOMIC :	33 24 59.48767	-112 52 30.45401	304.6785
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2071722.6283	-4910400.3270	3492594.0723
	0009				
		ELLIPSOIDAL :	33 31 13.51276	-112 21 41.97165	279.5809
		ASTRONOMIC :	33 31 13.51276	-112 21 41.97165	279.5809
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2025208.7812	-4922872.5797	3502193.0681
4	0019				
		ELLIPSOIDAL :	33 28 29.86622	-111 45 4.48406	338.7218
		ASTRONOMIC :	33 28 29.86622	-111 45 4.48406	338.7218
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1973697.3994	-4946799.1457	3498021.2074
4	0021				
		ELLIPSOIDAL :	33 24 25.27749	-111 58 0.17626	341.7922
		ASTRONOMIC :	33 24 25.27749	-111 58 0.17626	341.7922
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1993841.0112	-4943195.4267	3491734.7005
4	0005				
		ELLIPSOIDAL :	33 18 23.35108	-112 44 7.64370	415.4701
		ASTRONOMIC :	33 18 23.35108	-112 44 7.64370	415.4701
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 XO= 0.000 YO= 0.000 ZO= 0.000

ETUP:

C	IDENT.	DESCRIPTOR	INITIAL VALUES		
		CARTESIAN :	-2062376.0845	-4921711.4240	3482461.3946
4	0301				
		ELLIPSOIDAL :	33 27 31.75567	-111 53 28.77954	291.2664
		ASTRONOMIC :	33 27 31.75567	-111 53 28.77954	291.2664
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1986139.2406	-4942838.2690	3496501.5024
4	0513				
		ELLIPSOIDAL :	33 29 43.67163	-111 49 17.36671	315.4839
		ASTRONOMIC :	33 29 43.67163	-111 49 17.36671	315.4839
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1979287.1867	-4943192.9798	3499904.9123
4	0705				
		ELLIPSOIDAL :	33 21 50.01595	-111 58 26.03155	327.1858
		ASTRONOMIC :	33 21 50.01595	-111 58 26.03155	327.1858
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1995440.9961	-4945375.1496	3487732.4879
4	0326				
		ELLIPSOIDAL :	33 22 38.00357	-112 12 9.02706	253.2228
		ASTRONOMIC :	33 22 38.00357	-112 12 9.02706	253.2228
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2014826.4366	-4936563.8878	3488926.5081
4	0711				
		ELLIPSOIDAL :	33 21 25.73405	-112 4 21.78490	348.3723
		ASTRONOMIC :	33 21 25.73405	-112 4 21.78490	348.3723
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2004128.7573	-4942323.8126	3487119.2984
4	0192				
		ELLIPSOIDAL :	33 24 22.81141	-112 16 20.36007	250.9492
		ASTRONOMIC :	33 24 22.81141	-112 16 20.36007	250.9492
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2020165.8584	-4932458.8630	3491621.2589
4	0129				
		ELLIPSOIDAL :	33 20 53.45793	-112 42 44.43757	275.8315
		ASTRONOMIC :	33 20 53.45793	-112 42 44.43757	275.8315
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2059364.4258	-4920091.4909	3486248.7923
4	0141				
		ELLIPSOIDAL :	33 14 52.81198	-112 48 26.15336	267.2500

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

E	IDENT.	DESCRIPTOR		INITIAL VALUES		
		ASTRONOMIC	:	33 14 52.81198	-112 48 26.15336	267.2500
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2069874.3730	-4922289.3765	3476957.2093
4	0161					
		ELLIPSOIDAL	:	33 19 9.26635	-112 36 31.37191	287.0487
		ASTRONOMIC	:	33 19 9.26635	-112 36 31.37191	287.0487
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2051143.9543	-4925445.2094	3483573.0303
4	0172					
		ELLIPSOIDAL	:	33 20 27.22153	-112 28 13.30013	304.2608
		ASTRONOMIC	:	33 20 27.22153	-112 28 13.30013	304.2608
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2038745.5333	-4929177.6138	3485589.1672
4	0148					
		ELLIPSOIDAL	:	33 17 4.42984	-112 44 44.62395	215.8294
		ASTRONOMIC	:	33 17 4.42984	-112 44 44.62395	215.8294
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2063710.0036	-4922418.6686	3480319.4530
4	0150					
		ELLIPSOIDAL	:	33 18 18.75556	-112 43 51.82134	215.75[illegible]
		ASTRONOMIC	:	33 18 18.75556	-112 43 51.82134	215.75[illegible]
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2061964.0854	-4921787.3734	3482233.4035
4	0153					
		ELLIPSOIDAL	:	33 19 36.15751	-112 42 40.32939	220.7940
		ASTRONOMIC	:	33 19 36.15751	-112 42 40.32939	220.7940
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2059753.9945	-4921297.4227	3484228.9013
4	0136					
		ELLIPSOIDAL	:	33 18 15.97864	-112 47 33.97168	274.4000
		ASTRONOMIC	:	33 18 15.97864	-112 47 33.97168	274.4000
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2067300.9135	-4919652.2434	3482194.1010
4	0137					
		ELLIPSOIDAL	:	33 17 9.81386	-112 48 32.49621	272.7736
		ASTRONOMIC	:	33 17 9.81386	-112 48 32.49621	272.7736
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2069129.9779	-4920095.7353	3480489.3660

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ETUP:

C	IDENT.	DESCRIPTOR	INITIAL VALUES		
4	0140				
		ELLIPSOIDAL :	33 15 50.04059	-112 48 1.56394	269.5613
		ASTRONOMIC :	33 15 50.04059	-112 48 1.56394	269.5613
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2068913.6263	-4921646.5675	3478432.8526
4	0132				
		ELLIPSOIDAL :	33 19 32.99848	-112 45 49.58575	218.5536
		ASTRONOMIC :	33 19 32.99848	-112 45 49.58575	218.5536
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2064288.5830	-4919453.0231	3484146.3498
4	0133				
		ELLIPSOIDAL :	33 19 35.75094	-112 46 51.89738	227.5568
		ASTRONOMIC :	33 19 35.75094	-112 46 51.89738	227.5568
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2065759.5055	-4918793.1677	3484222.1508
4	0123				
		ELLIPSOIDAL :	33 22 12.79181	-112 38 32.27946	242.3487
		ASTRONOMIC :	33 22 12.79181	-112 38 32.27946	242.3487
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2052819.9061	-4921339.1330	3488271.8646
	0124				
		ELLIPSOIDAL :	33 21 46.53864	-112 39 35.94564	237.3676
		ASTRONOMIC :	33 21 46.53864	-112 39 35.94564	237.3676
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2054508.6218	-4921111.9434	3487593.6155
4	0142				
		ELLIPSOIDAL :	33 14 42.12402	-112 47 13.43063	264.3039
		ASTRONOMIC :	33 14 42.12402	-112 47 13.43063	264.3039
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2068207.7583	-4923183.0087	3476680.2125
4	0119				
		ELLIPSOIDAL :	33 22 39.19965	-112 33 52.44377	241.3935
		ASTRONOMIC :	33 22 39.19965	-112 33 52.44377	241.3935
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2045969.2826	-4923705.5919	3488950.7723
4	0164				
		ELLIPSOIDAL :	33 20 55.16518	-112 36 29.20011	227.4035
		ASTRONOMIC :	33 20 55.16518	-112 36 29.20011	227.4035
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

E	IDENT.	DESCRIPTOR	INITIAL VALUES		
		CARTESIAN :	-2050383.7129	-4923765.7101	3486266.1077
4	0116				
		ELLIPSOIDAL :	33 22 12.00231	-112 31 16.15226	239.7000
		ASTRONOMIC :	33 22 12.00231	-112 31 16.15226	239.7000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2042413.9016	-4925678.9356	3488250.0942
4	0120				
		ELLIPSOIDAL :	33 22 12.68040	-112 34 24.09358	239.6527
		ASTRONOMIC :	33 22 12.68040	-112 34 24.09358	239.6527
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2046896.7343	-4923805.2674	3488267.5152
4	0160				
		ELLIPSOIDAL :	33 18 19.58796	-112 37 31.53750	239.6920
		ASTRONOMIC :	33 18 19.58796	-112 37 31.53750	239.6920
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2052888.7214	-4925586.0485	3482267.9790
4	0125				
		ELLIPSOIDAL :	33 20 54.15269	-112 39 35.59077	222.6534
		ASTRONOMIC :	33 20 54.15269	-112 39 35.59077	222.6534
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.00[illegible]
		CARTESIAN :	-2054837.3010	-4921923.0387	3486237.43[illegible]
4	0126				
		ELLIPSOIDAL :	33 20 2.91185	-112 39 35.33372	214.9261
		ASTRONOMIC :	33 20 2.91185	-112 39 35.33372	214.9261
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2055162.9578	-4922720.3355	3484914.3614
4	0151				
		ELLIPSOIDAL :	33 18 19.10386	-112 42 42.39994	211.7593
		ASTRONOMIC :	33 18 19.10386	-112 42 42.39994	211.7593
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2060303.9044	-4922472.5595	3482240.1754
4	0152				
		ELLIPSOIDAL :	33 18 19.51742	-112 41 40.35824	219.9472
		ASTRONOMIC :	33 18 19.51742	-112 41 40.35824	219.9472
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2058823.1381	-4923091.9075	3482255.3198
4	0144				
		ELLIPSOIDAL :	33 13 35.92203	-112 46 24.85551	268.4960

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ETUP:

	IDENT.	DESCRIPTOR		INITIAL VALUES		
		ASTRONOMIC	:	33 13 35.92203	-112 46 24.85551	268.4960
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2067482.3680	-4924703.8811	3474976.5651
4	0162					
		ELLIPSOIDAL	:	33 19 37.76668	-112 35 55.44148	224.2451
		ASTRONOMIC	:	33 19 37.76668	-112 35 55.44148	224.2451
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2050080.4031	-4925308.6525	3484272.2207
4	0163					
		ELLIPSOIDAL	:	33 20 0.98385	-112 35 27.75027	225.1471
		ASTRONOMIC	:	33 20 0.98385	-112 35 27.75027	225.1471
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2049268.4661	-4925221.6591	3484870.3512
4	0145					
		ELLIPSOIDAL	:	33 13 37.97347	-112 45 54.92698	260.1276
		ASTRONOMIC	:	33 13 37.97347	-112 45 54.92698	260.1276
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2066751.6737	-4924965.4274	3475024.8509
	0107					
		ELLIPSOIDAL	:	33 23 30.51327	-112 25 36.83923	230.9000
		ASTRONOMIC	:	33 23 30.51327	-112 25 36.83923	230.9000
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2033797.6942	-4927795.1277	3490265.0561
4	0113					
		ELLIPSOIDAL	:	33 22 13.06471	-112 28 41.09631	228.2371
		ASTRONOMIC	:	33 22 13.06471	-112 28 41.09631	228.2371
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2038699.9887	-4927187.4108	3488271.1242
4	0146					
		ELLIPSOIDAL	:	33 14 24.89979	-112 45 38.59087	265.2974
		ASTRONOMIC	:	33 14 24.89979	-112 45 38.59087	265.2974
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2066056.7432	-4924402.4509	3476236.9445
4	0112					
		ELLIPSOIDAL	:	33 23 31.40656	-112 28 44.04567	228.3860
		ASTRONOMIC	:	33 23 31.40656	-112 28 44.04567	228.3860
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2038262.7410	-4925931.2832	3490286.6507

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

C	E	IDENT.	DESCRIPTOR	INITIAL VALUES		
4		0111				
			ELLIPSOIDAL :	33 23 56.31996	-112 28 44.06028	233.3564
			ASTRONOMIC :	33 23 56.31996	-112 28 44.06028	233.3564
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2038103.1463	-4925544.5983	3490930.2117
4		0115				
			ELLIPSOIDAL :	33 23 31.53845	-112 30 15.58345	230.4765
			ASTRONOMIC :	33 23 31.53845	-112 30 15.58345	230.4765
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2040448.4199	-4925025.7887	3490291.1939
4		0117				
			ELLIPSOIDAL :	33 23 5.62131	-112 32 19.71604	227.6088
			ASTRONOMIC :	33 23 5.62131	-112 32 19.71604	227.6088
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2043579.5021	-4924200.5704	3489622.9193
4		0169				
			ELLIPSOIDAL :	33 20 46.40763	-112 31 17.59792	221.3892
			ASTRONOMIC :	33 20 46.40763	-112 31 17.59792	221.3892
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2042997.9780	-4926989.9501	3486037.4163
		0173				
			ELLIPSOIDAL :	33 20 54.47183	-112 28 11.95155	239.1134
			ASTRONOMIC :	33 20 54.47183	-112 28 11.95155	239.1134
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2038516.1280	-4928714.2079	3486254.7010
4		0108				
			ELLIPSOIDAL :	33 24 24.48350	-112 26 39.65459	255.6477
			ASTRONOMIC :	33 24 24.48350	-112 26 39.65459	255.6477
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2034956.7351	-4926348.6549	3491666.8502
4		0147				
			ELLIPSOIDAL :	33 15 44.41304	-112 45 45.20680	263.6980
			ASTRONOMIC :	33 15 44.41304	-112 45 45.20680	263.6980
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2065694.4781	-4923096.3724	3478284.6664
4		0702				
			ELLIPSOIDAL :	33 24 27.05347	-111 56 38.45326	339.8710
			ASTRONOMIC :	33 24 27.05347	-111 56 38.45326	339.8710
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

	IDENT.	DESCRIPTOR		INITIAL VALUES		
		CARTESIAN	:	-1991870.4820	-4943955.5756	3491779.3193
4	0902					
		ELLIPSOIDAL	:	33 25 43.63284	-111 55 34.87421	340.4148
		ASTRONOMIC	:	33 25 43.63284	-111 55 34.87421	340.4148
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-1989861.4113	-4943364.3130	3493748.9298
4	0178					
		ELLIPSOIDAL	:	33 21 46.68003	-112 25 33.47732	273.1015
		ASTRONOMIC	:	33 21 46.68003	-112 25 33.47732	273.1015
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2034402.2145	-4929487.6844	3487616.9053
4	0176					
		ELLIPSOIDAL	:	33 21 46.77133	-112 26 4.71551	269.0996
		ASTRONOMIC	:	33 21 46.77133	-112 26 4.71551	269.0996
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2035146.8815	-4929175.0044	3487617.0538
4	0519					
		ELLIPSOIDAL	:	33 25 45.78151	-111 51 23.04948	362.0000
		ASTRONOMIC	:	33 25 45.78151	-111 51 23.04948	362.0000
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-1983817.8009	-4945772.8828	3493816.0695
4	0342					
		ELLIPSOIDAL	:	33 25 16.24893	-111 55 35.00066	344.2154
		ASTRONOMIC	:	33 25 16.24893	-111 55 35.00066	344.2154
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-1990039.1677	-4943797.1596	3493046.8746
4	0903					
		ELLIPSOIDAL	:	33 25 44.69615	-111 57 8.67486	337.7884
		ASTRONOMIC	:	33 25 44.69615	-111 57 8.67486	337.7884
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-1992101.6755	-4942440.1236	3493774.8236
4	0168					
		ELLIPSOIDAL	:	33 20 3.29118	-112 31 18.90736	255.2372
		ASTRONOMIC	:	33 20 3.29118	-112 31 18.90736	255.2372
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2043319.7352	-4927677.5006	3484946.2772
4	0134					
		ELLIPSOIDAL	:	33 19 12.65377	-112 47 34.70951	277.1654

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER CPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

GETUP:

C	I	IDENT.	DESCRIPTOR		INITIAL VALUES		
			ASTRONOMIC	:	33 19 12.65377	-112 47 34.70951	277.1654
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2066947.9046	-4918762.9067	3483654.8085
4		0526					
			ELLIPSOIDAL	:	33 27 58.95985	-111 47 15.12561	330.8020
			ASTRONOMIC	:	33 27 58.95985	-111 47 15.12561	330.8020
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1977022.6171	-4946029.5871	3497222.5279
4		0529					
			ELLIPSOIDAL	:	33 29 15.67821	-111 43 37.67785	347.1048
			ASTRONOMIC	:	33 29 15.67821	-111 43 37.67785	347.1048
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1971329.7127	-4946912.4925	3499203.0855
4		0102					
			ELLIPSOIDAL	:	33 24 47.70802	-112 19 24.90316	232.1000
			ASTRONOMIC	:	33 24 47.70802	-112 19 24.90316	232.1000
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2024411.6706	-4930244.2142	3492251.1708
4		0104					
			ELLIPSOIDAL	:	33 24 49.18362	-112 22 30.56473	229.63[illegible]
			ASTRONOMIC	:	33 24 49.18362	-112 22 30.56473	229.638[illegible]
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2028838.3131	-4928394.9685	3492287.7630
4		0193					
			ELLIPSOIDAL	:	33 24 49.04571	-112 17 22.32499	236.7203
			ASTRONOMIC	:	33 24 49.04571	-112 17 22.32499	236.7203
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2021474.2436	-4931428.9715	3492288.1163
4		0522					
			ELLIPSOIDAL	:	33 27 5.28777	-111 49 22.31859	451.1000
			ASTRONOMIC	:	33 27 5.28777	-111 49 22.31859	451.1000
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1980448.4333	-4945749.0679	3495909.2527
4		0180					
			ELLIPSOIDAL	:	33 22 51.32059	-112 22 29.89105	234.7344
			ASTRONOMIC	:	33 22 51.32059	-112 22 29.89105	234.7344
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2029584.7057	-4930253.8286	3489258.9427

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ETUP:

C	IDENT.	DESCRIPTOR		INITIAL VALUES		
4	0181					
		ELLIPSOIDAL	:	33 23 33.09329	-112 22 29.66890	231.4497
		ASTRONOMIC	:	33 23 33.09329	-112 22 29.66890	231.4497
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2029308.7629	-4929598.5930	3490331.7247
4	0184					
		ELLIPSOIDAL	:	33 23 30.25346	-112 19 22.55755	235.2947
		ASTRONOMIC	:	33 23 30.25346	-112 19 22.55755	235.2947
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2024855.5945	-4931484.9482	3490260.7916
4	0191					
		ELLIPSOIDAL	:	33 23 32.10936	-112 16 18.45048	242.9969
		ASTRONOMIC	:	33 23 32.10936	-112 16 18.45048	242.9969
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2020443.5726	-4933267.1514	3490312.7703
4	0127					
		ELLIPSOIDAL	:	33 21 20.33160	-112 40 38.73376	257.9321
		ASTRONOMIC	:	33 21 20.33160	-112 40 38.73376	257.9321
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2056184.3365	-4920911.8198	3486930.5446
.	0130					
		ELLIPSOIDAL	:	33 20 29.26339	-112 44 17.28380	280.1060
		ASTRONOMIC	:	33 20 29.26339	-112 44 17.28380	280.1060
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2061738.6541	-4919545.1906	3485628.4450
4	0156					
		ELLIPSOIDAL	:	33 18 43.71308	-112 39 36.51645	249.2541
		ASTRONOMIC	:	33 18 43.71308	-112 39 36.51645	249.2541
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2055718.6595	-4923971.9878	3482894.3892
4	0523					
		ELLIPSOIDAL	:	33 27 58.89532	-111 49 21.15063	367.8550
		ASTRONOMIC	:	33 27 58.89532	-111 49 21.15063	367.8550
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-1980056.1032	-4944850.4425	3497241.3021
4	0517					
		ELLIPSOIDAL	:	33 27 57.55887	-111 51 24.38376	365.5030
		ASTRONOMIC	:	33 27 57.55887	-111 51 24.38376	365.5030
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER CPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

C	I	IDENT.	DESCRIPTOR	INITIAL VALUES		
			CARTESIAN :	-1983017.7787	-4943685.8264	3497205.6557
4	0344					
			ELLIPSOIDAL :	33 25 19.49155	-111 52 59.12222	347.3801
			ASTRONOMIC :	33 25 19.49155	-111 52 59.12222	347.3801
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1984283.5705	-4945252.3986	3493133.1337
4	0185					
			ELLIPSOIDAL :	33 22 15.36448	-112 19 22.58242	24.1427
			ASTRONOMIC :	33 22 15.36448	-112 19 22.58242	24.1427
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2025271.3884	-4932495.9112	3488218.0322
4	0318					
			ELLIPSOIDAL :	33 24 55.16743	-112 11 11.60059	302.8578
			ASTRONOMIC :	33 24 55.16743	-112 11 11.60059	302.8578
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2012589.2402	-4935009.1905	3492481.9683
4	0320					
			ELLIPSOIDAL :	33 24 30.57907	-112 13 17.20972	296.7221
			ASTRONOMIC :	33 24 30.57907	-112 13 17.20972	296.7221
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.000
			CARTESIAN :	-2015749.9641	-4934164.0943	3491846.236
4	0322					
			ELLIPSOIDAL :	33 24 0.59106	-112 14 13.29750	292.8504
			ASTRONOMIC :	33 24 0.59106	-112 14 13.29750	292.8504
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2017282.8644	-4934083.6172	3491072.8189
4	0317					
			ELLIPSOIDAL :	33 25 20.23603	-112 10 9.77560	305.5590
			ASTRONOMIC :	33 25 20.23603	-112 10 9.77560	305.5590
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2010950.2871	-4935220.3743	3493128.1104
4	0190					
			ELLIPSOIDAL :	33 22 38.91706	-112 16 19.28095	286.1671
			ASTRONOMIC :	33 22 38.91706	-112 16 19.28095	286.1671
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-2020818.8713	-4934126.8665	3488968.1343
4	0321					
			ELLIPSOIDAL :	33 23 30.87055	-112 13 11.98813	292.9055

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

CITUF:

C	IDENT.	DESCRIPTOR		INITIAL VALUES		
		ASTRONOMIC	:	33 23 30.87055	-112 13 11.98813	292.9055
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2016006.8005	-4935149.6273	3490308.3720
4	0328					
		ELLIPSOIDAL	:	33 23 30.91469	-112 11 7.92126	300.1287
		ASTRONOMIC	:	33 23 30.91469	-112 11 7.92126	300.1287
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2013039.9719	-4936366.2401	3490313.4828
4	0327					
		ELLIPSOIDAL	:	33 23 5.05731	-112 11 8.21946	299.1906
		ASTRONOMIC	:	33 23 5.05731	-112 11 8.21946	299.1906
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2013212.3574	-4936768.5505	3489647.7987
4	0330					
		ELLIPSOIDAL	:	33 23 31.53431	-112 9 3.42915	304.7140
		ASTRONOMIC	:	33 23 31.53431	-112 9 3.42915	304.7140
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2010057.7200	-4937574.1356	3490331.9451
	0331					
		ELLIPSOIDAL	:	33 23 57.96718	-112 8 1.31256	308.3473
		ASTRONOMIC	:	33 23 57.96718	-112 8 1.31256	308.3473
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2008402.9361	-4937766.8332	3491013.8604
4	0313					
		ELLIPSOIDAL	:	33 25 41.23967	-112 5 59.67034	316.6632
		ASTRONOMIC	:	33 25 41.23967	-112 5 59.67034	316.6632
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2004834.0142	-4937333.4285	3493674.3099
4	0312					
		ELLIPSOIDAL	:	33 25 41.33363	-112 4 57.01544	319.6637
		ASTRONOMIC	:	33 25 41.33363	-112 4 57.01544	319.6637
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2003334.5015	-4937943.0309	3493678.3788
4	0315					
		ELLIPSOIDAL	:	33 25 21.03138	-112 8 4.51285	310.1911
		ASTRONOMIC	:	33 25 21.03138	-112 8 4.51285	310.1911
		GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN	:	-2007949.1730	-4936431.7748	3493151.1139

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 XO= 0.000 YO= 0.000 ZO= 0.000

GETUP:

C	I	IDENT.	DESCRIPTOR		INITIAL VALUES		
4		0308					
			ELLIPSOIDAL	:	33 26 11.73641	-112 0 39.96096	211.0369
			ASTRONOMIC	:	33 26 11.73641	-112 0 39.96096	211.0369
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1996951.7169	-4939873.3215	3494400.2315
4		0803					
			ELLIPSOIDAL	:	33 26 13.53777	-112 1 48.48819	206.8112
			ASTRONOMIC	:	33 26 13.53777	-112 1 48.48819	206.8112
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1998579.9842	-4939177.9855	3494444.2154
4		0309					
			ELLIPSOIDAL	:	33 25 47.41820	-112 1 48.77404	205.8591
			ASTRONOMIC	:	33 25 47.41820	-112 1 48.77404	205.8591
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1998752.8390	-4939585.4818	3493772.1328
4		0310					
			ELLIPSOIDAL	:	33 25 21.30334	-112 1 49.05841	204.5342
			ASTRONOMIC	:	33 25 21.30334	-112 1 49.05841	204.5342
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1998925.4804	-4939992.5493	3493099.91[illegible]
		0336					
			ELLIPSOIDAL	:	33 24 26.05817	-112 1 46.83730	206.0739
			ASTRONOMIC	:	33 24 26.05817	-112 1 46.83730	206.0739
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1999224.3408	-4940884.1441	3491680.0543
4		0334					
			ELLIPSOIDAL	:	33 24 25.29628	-112 4 54.74234	195.6544
			ASTRONOMIC	:	33 24 25.29628	-112 4 54.74234	195.6544
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2003726.1920	-4939064.7379	3491654.7227
4		0801					
			ELLIPSOIDAL	:	33 24 25.37161	-112 4 23.64234	197.3224
			ASTRONOMIC	:	33 24 25.37161	-112 4 23.64234	197.3224
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2002981.5147	-4939366.9039	3491657.5725
4		0802					
			ELLIPSOIDAL	:	33 24 25.43071	-112 3 20.52514	199.7675
			ASTRONOMIC	:	33 24 25.43071	-112 3 20.52514	199.7675
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ITUP:

C	IDENT.	DESCRIPTOR	INITIAL VALUES		
		CARTESIAN :	-2001470.3606	-4939980.5493	3491660.4447
4	0332				
		ELLIPSOIDAL :	33 24 24.21134	-112 8 1.86822	185.7095
		ASTRONOMIC :	33 24 24.21134	-112 8 1.86822	185.7095
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2008209.9510	-4937254.2588	3491621.3441
4	0187				
		ELLIPSOIDAL :	33 21 46.69728	-112 18 23.89036	280.2000
		ASTRONOMIC :	33 21 46.69728	-112 18 23.89036	280.2000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2024133.3231	-4933719.2469	3487621.2529
4	0189				
		ELLIPSOIDAL :	33 21 39.67734	-112 15 32.04931	265.2172
		ASTRONOMIC :	33 21 39.67734	-112 15 32.04931	265.2172
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2020062.6078	-4935502.3504	3487432.3760
4	0325				
		ELLIPSOIDAL :	33 22 12.57317	-112 13 13.57946	270.6535
		ASTRONOMIC :	33 22 12.57317	-112 13 13.57946	270.6535
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2016539.7732	-4936345.5492	3488281.8081
4	0186				
		ELLIPSOIDAL :	33 22 11.80394	-112 18 23.27209	263.8255
		ASTRONOMIC :	33 22 11.80394	-112 18 23.27209	263.8255
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-2023951.8693	-4933319.0730	3488258.2603
4	0339				
		ELLIPSOIDAL :	33 24 51.20693	-111 58 41.93421	244.8000
		ASTRONOMIC :	33 24 51.20693	-111 58 41.93421	244.8000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1994646.7809	-4942308.6789	3492348.1453
4	0340				
		ELLIPSOIDAL :	33 25 18.73488	-111 58 39.56426	243.4399
		ASTRONOMIC :	33 25 18.73488	-111 58 39.56426	243.4399
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1994414.7626	-4941897.3954	3493055.2937
4	0804				
		ELLIPSOIDAL :	33 25 19.54866	-111 59 44.40204	238.2713

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

(	E	IDENT.	DESCRIPTOR		INITIAL VALUES		
			ASTRONOMIC	:	33 25 19.54866	-111 59 44.40204	238.2713
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1995961.3241	-4941253.4177	3493073.3727
	4	0805					
			ELLIPSOIDAL	:	33 24 53.26301	-111 59 44.23997	239.9039
			ASTRONOMIC	:	33 24 53.26301	-111 59 44.23997	239.9039
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1996125.0015	-4941669.8025	3492398.3245
	4	0707					
			ELLIPSOIDAL	:	33 22 29.70883	-111 59 54.74115	269.2027
			ASTRONOMIC	:	33 22 29.70883	-111 59 54.74115	269.2027
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1997297.6018	-4943847.9349	3488721.8929
	4	0708					
			ELLIPSOIDAL	:	33 22 41.58554	-112 0 46.83643	256.0353
			ASTRONOMIC	:	33 22 41.58554	-112 0 46.83643	256.0353
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1998466.6087	-4943146.5094	3489020.2102
	4	0703					
			ELLIPSOIDAL	:	33 22 42.34530	-111 56 38.69911	257.10[illegible]
			ASTRONOMIC	:	33 22 42.34530	-111 56 38.69911	257.10[illegible]
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1992514.0605	-4945535.9746	3489040.3427
	4	0704					
			ELLIPSOIDAL	:	33 21 49.93569	-111 56 45.94851	261.8253
			ASTRONOMIC	:	33 21 49.93569	-111 56 45.94851	261.8253
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1993021.2913	-4946293.4162	3487694.4774
	4	0712					
			ELLIPSOIDAL	:	33 22 40.55795	-112 5 0.68101	249.4653
			ASTRONOMIC	:	33 22 40.55795	-112 5 0.68101	249.4653
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-2004552.9776	-4940694.3632	3488990.1585
	4	0520					
			ELLIPSOIDAL	:	33 26 38.27002	-111 51 22.89199	353.2063
			ASTRONOMIC	:	33 26 38.27002	-111 51 22.89199	353.2063
			GEOIDAL	:	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN	:	-1983479.5610	-4944940.5586	3495160.7356

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ITUF:

C	IDENT.	DESCRIPTOR	INITIAL VALUES		
4	0901				
		ELLIPSOIDAL :	33 25 45.02899	-111 54 32.89856	343.3533
		ASTRONOMIC :	33 25 45.02899	-111 54 32.89856	343.3533
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1988368.0793	-4943942.2661	3493786.4476
4	0306				
		ELLIPSOIDAL :	33 26 36.26432	-111 58 41.93706	348.5000
		ASTRONOMIC :	33 26 36.26432	-111 58 41.93706	348.5000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1994011.8919	-4940735.3628	3495106.5783
4	0307				
		ELLIPSOIDAL :	33 26 34.86755	-112 0 5.75974	339.3499
		ASTRONOMIC :	33 26 34.86755	-112 0 5.75974	339.3499
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1996025.5867	-4939939.5310	3495065.6265
4	0303				
		ELLIPSOIDAL :	33 26 38.97869	-111 54 34.43776	353.7000
		ASTRONOMIC :	33 26 38.97869	-111 54 34.43776	353.7000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1988066.4388	-4943085.7061	3495179.2265
	0302				
		ELLIPSOIDAL :	33 27 4.33400	-111 54 32.85471	355.9583
		ASTRONOMIC :	33 27 4.33400	-111 54 32.85471	355.9583
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1987868.5420	-4942703.2358	3495832.2898
4	0516				
		ELLIPSOIDAL :	33 28 23.62359	-111 51 23.65232	369.0136
		ASTRONOMIC :	33 28 23.62359	-111 51 23.65232	369.0136
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1982836.4608	-4943284.5315	3497877.4817
4	0304				
		ELLIPSOIDAL :	33 26 38.21452	-111 55 34.65990	355.5787
		ASTRONOMIC :	33 26 38.21452	-111 55 34.65990	355.5787
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
		CARTESIAN :	-1989514.9936	-4942518.5405	3495160.6163
4	0508				
		ELLIPSOIDAL :	33 29 43.52703	-111 45 10.48317	390.0000
		ASTRONOMIC :	33 29 43.52703	-111 45 10.48317	390.0000
		GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SETUP:

C	I	IDENT.	DESCRIPTOR	INITIAL VALUES		
			CARTESIAN :	-1973393.0792	-4945618.4968	3499942.3203
4		0514				
			ELLIPSOIDAL :	33 29 16.79628	-111 49 20.16836	385.9369
			ASTRONOMIC :	33 29 16.79628	-111 49 20.16836	385.9369
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1979546.0204	-4943644.8186	3499253.2411
4		0527				
			ELLIPSOIDAL :	33 28 51.36379	-111 47 15.57206	383.5480
			ASTRONOMIC :	33 28 51.36379	-111 47 15.57206	383.5480
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1976719.1214	-4945239.2581	3498598.3908
4		0504				
			ELLIPSOIDAL :	33 31 1.84850	-111 43 5.79193	407.7385
			ASTRONOMIC :	33 31 1.84850	-111 43 5.79193	407.7385
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1969915.5293	-4945586.7443	3501964.2237
4		0505				
			ELLIPSOIDAL :	33 30 35.69133	-111 43 5.81104	398.7905
			ASTRONOMIC :	33 30 35.69133	-111 43 5.81104	398.7905
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.000
			CARTESIAN :	-1970077.8855	-4945993.0161	3501287.3493
4		0531				
			ELLIPSOIDAL :	33 29 43.49057	-111 43 13.21208	400.0229
			ASTRONOMIC :	33 29 43.49057	-111 43 13.21208	400.0229
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1970584.2700	-4946748.0036	3499946.9148
4		0530				
			ELLIPSOIDAL :	33 28 51.67854	-111 43 7.01971	419.7246
			ASTRONOMIC :	33 28 51.67854	-111 43 7.01971	419.7246
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1970767.7824	-4947640.7067	3498626.4364
4		0525				
			ELLIPSOIDAL :	33 27 32.67690	-111 47 16.80573	471.6528
			ASTRONOMIC :	33 27 32.67690	-111 47 16.80573	471.6528
			GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
			CARTESIAN :	-1977272.2511	-4946537.2046	3496624.6370
4		0515				
			ELLIPSOIDAL :	33 29 16.45191	-111 50 22.20024	351.6462

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ETUP:

IDENT.	DESCRIPTOR	INITIAL VALUES		
	ASTRONOMIC :	33 29 16.45191	-111 50 22.20024	351.6462
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1981024.2168	-4943028.1563	3499225.4720
4 0507				
	ELLIPSOIDAL :	33 30 35.68109	-111 45 10.24801	363.5921
	ASTRONOMIC :	33 30 35.68109	-111 45 10.24801	363.5921
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1973050.5704	-4944776.4963	3501267.6541
4 0511				
	ELLIPSOIDAL :	33 29 58.79574	-111 47 59.11135	359.8040
	ASTRONOMIC :	33 29 58.79574	-111 47 59.11135	359.8040
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1977329.8540	-4943739.0866	3500317.9522
4 0501				
	ELLIPSOIDAL :	33 31 27.92193	-111 41 0.86511	374.7485
	ASTRONOMIC :	33 31 27.92193	-111 41 0.86511	374.7485
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1966745.7375	-4946341.1440	3502615.7311
0502				
	ELLIPSOIDAL :	33 31 30.37801	-111 42 7.13751	405.1366
	ASTRONOMIC :	33 31 30.37801	-111 42 7.13751	405.1366
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1968328.7969	-4945693.6838	3502695.5988
4 0533				
	ELLIPSOIDAL :	33 30 35.47800	-111 41 2.47169	394.4563
	ASTRONOMIC :	33 30 35.47800	-111 41 2.47169	394.4563
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1967120.0031	-4947170.1853	3501279.4764
4 0532				
	ELLIPSOIDAL :	33 30 13.26932	-111 41 2.47056	432.8119
	ASTRONOMIC :	33 30 13.26932	-111 41 2.47056	432.8119
	GEOIDAL :	0 0 0.00000	0 0 0.00000	0.0000
	CARTESIAN :	-1967271.3612	-4947550.9192	3500730.1015

GETUP successfully completed.

FORMED:

NOTE 6: Reordering was done.

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0001		2-D Lat.	33 22 37.66540	0.0010	29.4967
0001		2-D Long.	-112 18 19.44160	0.0010	-28.3915
0015		2-D Lat.	33 32 50.24150	0.0010	29.3187
0015		2-D Long.	-112 1 13.03410	0.0010	-27.4301
0007		2-D Lat.	33 24 58.90100	0.0010	18.0750
0007		2-D Long.	-112 52 28.98500	0.0010	-37.9568
0009		2-D Lat.	33 31 12.92200	0.0010	18.2012
0009		2-D Long.	-112 21 40.56600	0.0010	-36.2763
0019		2-D Lat.	33 28 28.83390	0.0010	31.8056
0019		2-D Long.	-111 45 4.11720	0.0010	-9.4728
0021		2-D Lat.	33 24 24.24140	0.0010	31.9215
0021		2-D Long.	-111 57 59.78181	0.0010	-10.1931
0005		2-D Lat.	33 18 24.38300	0.0010	-31.7928
0005		2-D Long.	-112 44 3.12400	0.0010	-116.9308
GROUP: 011333010PT 1					
0001	0013	3-D X-Coord Diff	20695.2260	0.0432	2.6217
0001	0013	3-D Y-Coord Diff	-2703.2920	0.0769	-68.5981
0001	0013	3-D Z-Coord Diff	8012.2380	0.0295	5.5753
GROUP: 011533010PT 2					
0001	0015	3-D X-Coord Diff	28336.2600	0.0149	0.4271
0001	0015	3-D Y-Coord Diff	-703.2110	0.0179	-0.5103
0001	0015	3-D Z-Coord Diff	15989.4240	0.0055	-0.4717
6. JP: 131533010PT 3					
0013	0015	3-D X-Coord Diff	7640.9180	0.0016	-2.0786
0013	0015	3-D Y-Coord Diff	2000.2650	0.0020	67.9038
0013	0015	3-D Z-Coord Diff	7977.1080	0.0020	-5.9689
GROUP: 011333020PT 4					
0001	0013	3-D X-Coord Diff	20695.3600	0.0086	2.4877
0001	0013	3-D Y-Coord Diff	-2703.6390	0.0117	-68.2511
0001	0013	3-D Z-Coord Diff	8012.2680	0.0095	5.5453
GROUP: 011533020PT 5					
0001	0015	3-D X-Coord Diff	28336.2950	0.0096	0.3921
0001	0015	3-D Y-Coord Diff	-703.3890	0.0136	-0.3323
0001	0015	3-D Z-Coord Diff	15989.3820	0.0108	-0.4297
GROUP: 131533020PT 6					
0013	0015	3-D X-Coord Diff	7640.9310	0.0040	-2.0916
0013	0015	3-D Y-Coord Diff	2000.2410	0.0056	67.9278
0013	0015	3-D Z-Coord Diff	7977.1140	0.0046	-5.9749
GROUP: 010733710PT 7					
0001	0007	3-D X-Coord Diff	-47989.0990	0.0244	-8.7208
0001	0007	3-D Y-Coord Diff	22549.1480	0.0335	2.2188
0001	0007	3-D Z-Coord Diff	3639.6960	0.0102	-12.6423
GROUP: 010933710PT 8					
0001	0009	3-D X-Coord Diff	-1476.1570	0.0138	-7.8156

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

M= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

DRMEQ:

	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
001	0009	3-D Y-Coord Diff	10077.4780	0.0196	1.6361
0001	0009	3-D Z-Coord Diff	13238.9790	0.0054	-12.9294
ROUP: 011333710PT 9					
001	0013	3-D X-Coord Diff	20695.3120	0.0120	2.5357
0001	0013	3-D Y-Coord Diff	-2703.4710	0.0166	-68.4191
0001	0013	3-D Z-Coord Diff	8012.3110	0.0048	5.5023
ROUP: 070933710PT 10					
007	0009	3-D X-Coord Diff	46512.9680	0.0264	0.8791
0007	0009	3-D Y-Coord Diff	-12471.6530	0.0375	-0.5997
007	0009	3-D Z-Coord Diff	9599.2790	0.0103	-0.2831
ROUP: 071333710PT 11					
0007	0013	3-D X-Coord Diff	68684.4280	0.0369	11.2394
007	0013	3-D Y-Coord Diff	-25252.6160	0.0532	-70.6408
007	0013	3-D Z-Coord Diff	4372.6380	0.0152	18.1216
ROUP: 091333710PT 12					
0009	0013	3-D X-Coord Diff	22171.4990	0.0161	10.3213
009	0013	3-D Y-Coord Diff	-12780.9480	0.0229	-70.0561
009	0013	3-D Z-Coord Diff	-5226.6750	0.0065	18.4387
GROUP: 010733720PT 13					
001	0007	3-D X-Coord Diff	-47988.9410	0.0244	-8.8788
001	0007	3-D Y-Coord Diff	22549.3740	0.0335	1.9928
001	0007	3-D Z-Coord Diff	3639.9400	0.0294	-12.8863
G P: 010933720PT 14					
0009	3-D X-Coord Diff	-1476.0970	0.0107	-7.8756	
001	0009	3-D Y-Coord Diff	10077.4540	0.0144	1.6601
0001	0009	3-D Z-Coord Diff	13239.0090	0.0127	-12.9594
ROUP: 011333720PT 15					
001	0013	3-D X-Coord Diff	20695.2970	0.0114	2.5507
0001	0013	3-D Y-Coord Diff	-2703.5420	0.0155	-68.3481
001	0013	3-D Z-Coord Diff	8012.2310	0.0135	5.5823
ROUP: 070933720PT 16					
0007	0009	3-D X-Coord Diff	46512.8410	0.0204	1.0061
0007	0009	3-D Y-Coord Diff	-12471.9100	0.0281	-0.3427
ROUP: 071333720PT 17					
007	0013	3-D X-Coord Diff	68684.2380	0.0301	11.4294
0007	0013	3-D Y-Coord Diff	-25252.9320	0.0414	-70.3248
007	0013	3-D Z-Coord Diff	4372.2700	0.0360	18.4896
ROUP: 091333720PT 18					
0009	0013	3-D X-Coord Diff	22171.4020	0.0108	10.4183
009	0013	3-D Y-Coord Diff	-12781.0310	0.0154	-69.9731
009	0013	3-D Z-Coord Diff	-5226.7810	0.0136	18.5447
ROUP: 151933810PT 19					
0015	0019	3-D X-Coord Diff	21668.4410	0.0141	22.2811
015	0019	3-D Y-Coord Diff	-13151.7970	0.0173	8.0663
015	0019	3-D Z-Coord Diff	-6927.2700	0.0053	-7.4935
GROUP: 151933840PT 20					

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

FORMEQ:

0015	0019	3-D X-Coord Diff	21668.4080	0.0104	22.3140
0015	0019	3-D Y-Coord Diff	-13151.6840	0.0157	7.9530
0015	0019	3-D Z-Coord Diff	-6927.2470	0.0122	-7.5165
GROUP: 152133810PT 21					
0015	0021	3-D X-Coord Diff	1525.1950	0.0119	21.9152
0015	0021	3-D Y-Coord Diff	-9548.3590	0.0144	8.3473
0015	0021	3-D Z-Coord Diff	-13213.9660	0.0047	-7.3045
GROUP: 152133840PT 22					
0015	0021	3-D X-Coord Diff	1525.1410	0.0088	21.9692
0015	0021	3-D Y-Coord Diff	-9548.2970	0.0137	8.2853
0015	0021	3-D Z-Coord Diff	-13213.9730	0.0105	-7.2975
GROUP: 192133810PT 23					
0019	0021	3-D X-Coord Diff	-20143.2030	0.0116	-0.4088
0019	0021	3-D Y-Coord Diff	3603.3750	0.0147	0.3440
0019	0021	3-D Z-Coord Diff	-6286.6710	0.0045	0.1641
GROUP: 192133840PT 24					
0019	0021	3-D X-Coord Diff	-20143.2630	0.0048	-0.3488
0019	0021	3-D Y-Coord Diff	3603.3900	0.0076	0.3290
0019	0021	3-D Z-Coord Diff	-6286.7350	0.0060	0.2281
GROUP: 011333910PT 25					
0001	0013	3-D X-Coord Diff	20695.4450	0.0144	2.4027
0001	0013	3-D Y-Coord Diff	-2703.6620	0.0180	-68.2281
0001	0013	3-D Z-Coord Diff	8012.3170	0.0056	5.4963
GROUP: 011333940PT 26					
0001	0013	3-D X-Coord Diff	20695.3920	0.0090	2.4557
0001	0013	3-D Y-Coord Diff	-2703.6250	0.0139	-68.2650
0001	0013	3-D Z-Coord Diff	8012.3440	0.0110	5.4693
GROUP: 012133910PT 27					
0001	0021	3-D X-Coord Diff	29861.5020	0.0158	22.2953
0001	0021	3-D Y-Coord Diff	-10251.7810	0.0197	8.0481
0001	0021	3-D Z-Coord Diff	2775.5300	0.0058	-7.8481
GROUP: 012133940PT 28					
0001	0021	3-D X-Coord Diff	29861.5480	0.0109	22.2493
0001	0021	3-D Y-Coord Diff	-10251.7150	0.0171	7.9821
0001	0021	3-D Z-Coord Diff	2775.5620	0.0135	-7.8801
GROUP: 132133910PT 29					
0013	0021	3-D X-Coord Diff	9166.1410	0.0019	19.8087
0013	0021	3-D Y-Coord Diff	-7548.0480	0.0026	76.2051
0013	0021	3-D Z-Coord Diff	-5236.8390	0.0022	-13.2924
GROUP: 132133940PT 30					
0013	0021	3-D X-Coord Diff	9166.1320	0.0014	19.8177
0013	0021	3-D Y-Coord Diff	-7548.0860	0.0028	76.2431
0013	0021	3-D Z-Coord Diff	-5236.7890	0.0026	-13.3424
GROUP: 010534010PT 31					
0001	0005	3-D X-Coord Diff	-38532.4040	0.0146	-118.8719
0001	0005	3-D Y-Coord Diff	11296.8590	0.0170	-56.5892
0001	0005	3-D Z-Coord Diff	-6496.9000	0.0054	-8.7240
GROUP: 010534040PT 32					

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ORMEQ:

0005	3-D X-Coord Diff	-38532.2820	0.0112	-118.9939
001	0005	3-D Y-Coord Diff	11296.9730	0.0191	-56.7032
001	0005	3-D Z-Coord Diff	-6497.0070	0.0137	-8.6170
GROUP: 010734010PT 33					
001	0007	3-D X-Coord Diff	-47989.2130	0.0174	-8.6068
001	0007	3-D Y-Coord Diff	22549.3540	0.0203	2.0128
0001	0007	3-D Z-Coord Diff	3639.8190	0.0065	-12.7653
GROUP: 010734040PT 34					
001	0007	3-D X-Coord Diff	-47989.0570	0.0145	-8.7628
001	0007	3-D Y-Coord Diff	22549.3010	0.0243	2.0658
0001	0007	3-D Z-Coord Diff	3639.6130	0.0172	-12.5593
ROUP: 050734010PT 35					
005	0007	3-D X-Coord Diff	-9456.8210	0.0098	110.2772
0005	0007	3-D Y-Coord Diff	11252.5110	0.0119	58.5860
005	0007	3-D Z-Coord Diff	10136.7270	0.0036	-4.0493
ROUP: 050734040PT 36					
005	0007	3-D X-Coord Diff	-9456.8170	0.0076	110.2732
0005	0007	3-D Y-Coord Diff	11252.4890	0.0127	58.6080
005	0007	3-D Z-Coord Diff	10136.7380	0.0090	-4.0603
ROUP: 210133820PT 37					
0021	0301	3-D X-Coord Diff	7701.6620	0.0028	0.1086
021	0301	3-D Y-Coord Diff	357.3040	0.0035	-0.1463
021	0301	3-D Z-Coord Diff	4766.9470	0.0030	-0.1440
GROUP: 190133820PT 38					
0301	3-D X-Coord Diff	-12441.4770	0.0180	-0.3642
JP: 211333810PT 39					
021	0513	3-D X-Coord Diff	14553.6070	0.0196	0.2175
0021	0513	3-D Y-Coord Diff	2.7080	0.0260	-0.2612
021	0513	3-D Z-Coord Diff	8170.4570	0.0073	-0.2452
GROUP: 191333810PT 40					
0019	0513	3-D X-Coord Diff	-5589.5420	0.0013	-0.2453
019	0513	3-D Y-Coord Diff	3606.2140	0.0020	-0.0481
019	0513	3-D Z-Coord Diff	1883.7440	0.0015	-0.0391
GROUP: 190533830PT 41					
0019	0705	3-D X-Coord Diff	-21743.2470	0.0177	-0.3496
019	0705	3-D Y-Coord Diff	1423.6360	0.0186	0.3601
019	0705	3-D Z-Coord Diff	-10289.0290	0.0167	0.3095
GROUP: 150533830PT 42					
015	0705	3-D X-Coord Diff	-74.9150	0.0301	22.0404
015	0705	3-D Y-Coord Diff	-11728.1460	0.0317	8.4114
0015	0705	3-D Z-Coord Diff	-17216.1750	0.0286	-7.3081
GROUP: 210533830PT 43					
0021	0705	3-D Y-Coord Diff	-2179.8190	0.0022	0.0961
GROUP: 150133820PT 44					
0015	0301	3-D X-Coord Diff	9226.7710	0.0159	22.1099
015	0301	3-D Y-Coord Diff	-9190.7130	0.0311	7.8590
015	0301	3-D Z-Coord Diff	-8446.9600	0.0089	-7.5075
GROUP: 151333810PT 45					

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

FORMED:

0[illegible]	0513	3-D X-Coord Diff	16079.1240	0.0248	21.810[illegible]
0015	0513	3-D Y-Coord Diff	-9545.3600	0.0335	7.795[illegible]
0015	0513	3-D Z-Coord Diff	-5043.6510	0.0098	-7.4076
GROUP: 132633930PT 46					
0013	0326	3-D X-Coord Diff	-11747.8370	0.0021	-51.6387
0013	0326	3-D Y-Coord Diff	-900.3370	0.0044	60.0331
0013	0326	3-D Z-Coord Diff	-8022.9500	0.0039	-35.3737
GROUP: 012633930PT 47					
0001	0326	3-D X-Coord Diff	8947.4700	0.0009	-49.0981
0001	0326	3-D Y-Coord Diff	-3603.9790	0.0022	-8.2150
0001	0326	3-D Z-Coord Diff	-10.6150	0.0018	-29.8955
GROUP: 211133940PT 48					
0021	0711	3-D X-Coord Diff	-10216.4760	0.0309	-71.2700
0021	0711	3-D Y-Coord Diff	887.9230	0.0279	-16.3090
0021	0711	3-D Z-Coord Diff	-4593.4290	0.0413	-21.9731
GROUP: 011133940PT 49					
0001	0711	3-D X-Coord Diff	19644.9590	0.0296	-48.9077
0001	0711	3-D Y-Coord Diff	-9363.6550	0.0257	-8.4639
0001	0711	3-D Z-Coord Diff	-1817.8450	0.0335	-29.8752
GROUP: 139233920PT 50					
0013	0192	3-D X-Coord Diff	-17087.1050	0.0460	-51.7925
0013	0192	3-D Y-Coord Diff	3204.6830	0.1226	60.0378
0013	0192	3-D Z-Coord Diff	-5328.1180	0.0208	-35.4549
GROUP: 219233920PT 51					
0021	0192	3-D X-Coord Diff	-26253.2230	0.0355	-71.6242
0[illegible]1	0192	3-D Y-Coord Diff	10753.0080	0.0989	-16.444[illegible]
0[illegible]1	0192	3-D Z-Coord Diff	-91.3190	0.0163	-22.1226
GROUP: 072934020PT 52					
0007	0129	3-D X-Coord Diff	12468.4540	0.0255	-110.2514
0007	0129	3-D Y-Coord Diff	-9632.4730	0.0379	-58.6909
0007	0129	3-D Z-Coord Diff	-6349.2060	0.0106	3.9260
GROUP: 012934020PT 53					
0001	0129	3-D X-Coord Diff	-35520.5740	0.0397	-119.0432
0001	0129	3-D Y-Coord Diff	12916.8680	0.0592	-56.6651
0001	0129	3-D Z-Coord Diff	-2709.3310	0.0167	-8.8953
GROUP: 052934020PT 54					
0005	0129	3-D X-Coord Diff	3011.7100	0.0013	-0.0513
0005	0129	3-D Y-Coord Diff	1619.9890	0.0015	-0.0559
0005	0129	3-D Z-Coord Diff	3787.5610	0.0013	-0.1633
GROUP: 074134010PT 55					
0007	0141	3-D X-Coord Diff	1958.6150	0.0135	-110.3597
0007	0141	3-D Y-Coord Diff	-11830.6040	0.0151	-58.4455
0007	0141	3-D Z-Coord Diff	-15641.0690	0.0047	4.2065
GROUP: 054134010PT 56					
0005	0141	3-D X-Coord Diff	-7498.0610	0.0024	-0.2275
0005	0141	3-D Y-Coord Diff	-578.1000	0.0038	0.1475
0005	0141	3-D Z-Coord Diff	-5504.3680	0.0027	0.1832
GROUP: 076134030PT 57					

FORMED:

0	0161	3-D X-Coord Diff	20688.7070	0.0243	-110.0330
0007	0161	3-D Y-Coord Diff	-14986.1580	0.0327	-58.7244
0007	0161	3-D Z-Coord Diff	-9025.0490	0.0260	4.0071
GROUP: 016134030PT 58					
0001	0161	3-D X-Coord Diff	-27300.3790	0.0192	-118.7668
0001	0161	3-D Y-Coord Diff	7563.1470	0.0239	-56.6626
0001	0161	3-D Z-Coord Diff	-5385.2740	0.0192	-8.7143
GROUP: 077234040PT 59					
0007	0172	3-D X-Coord Diff	33086.8810	0.0286	-109.7859
0007	0172	3-D Y-Coord Diff	-18718.4160	0.0224	-58.8708
0007	0172	3-D Z-Coord Diff	-7008.8510	0.0263	3.9460
GROUP: 057234040PT 60					
0005	0172	3-D X-Coord Diff	23630.0130	0.0186	0.5383
0005	0172	3-D Y-Coord Diff	-7465.9920	0.0147	-0.1978
GROUP: 056134030PT 61					
0005	0161	3-D X-Coord Diff	11231.8630	0.0023	0.2672
0005	0161	3-D Z-Coord Diff	1111.7550	0.0037	-0.1193
GROUP: 294834410PT 62					
0129	0148	3-D X-Coord Diff	-4411.9660	0.0005	66.3882
0129	0148	3-D Y-Coord Diff	-2371.5070	0.0007	44.3292
0129	0148	3-D Z-Coord Diff	-5945.0550	0.0005	15.7157
GROUP: 295034410PT 63					
0129	0150	3-D X-Coord Diff	-2666.0610	0.0004	66.4014
0129	0150	3-D Y-Coord Diff	-1740.1650	0.0007	44.2825
0129	0150	3-D Z-Coord Diff	-4031.0470	0.0004	15.6583
GROUP: 295334410PT 64					
0129	0153	3-D X-Coord Diff	-455.9930	0.0003	66.4242
0129	0153	3-D Y-Coord Diff	-1250.1620	0.0005	44.2302
0129	0153	3-D Z-Coord Diff	-2035.4890	0.0004	15.5980
GROUP: 363734310PT 65					
0136	0137	3-D X-Coord Diff	-1829.0460	0.0004	-0.0184
0136	0137	3-D Y-Coord Diff	-443.5360	0.0006	0.0442
0136	0137	3-D Z-Coord Diff	-1704.7860	0.0004	0.0509
GROUP: 485034410PT 66					
0148	0150	3-D X-Coord Diff	1745.9050	0.0004	0.0132
0148	0150	3-D Y-Coord Diff	631.3410	0.0006	-0.0457
0148	0150	3-D Z-Coord Diff	1914.0100	0.0004	-0.0594
GROUP: 485334410PT 67					
0148	0153	3-D X-Coord Diff	3955.9720	0.0004	0.0371
0148	0153	3-D Y-Coord Diff	1121.3400	0.0006	-0.0940
0148	0153	3-D Z-Coord Diff	3909.5690	0.0004	-0.1207
GROUP: 505334410PT 68					
0150	0153	3-D X-Coord Diff	2210.0680	0.0003	0.0229
0150	0153	3-D Y-Coord Diff	490.0010	0.0006	-0.0503
0150	0153	3-D Z-Coord Diff	1995.5590	0.0004	-0.0612
GROUP: 374034320PT 69					
0137	0140	3-D X-Coord Diff	216.3200	0.0003	0.0316
0137	0140	3-D Y-Coord Diff	-1550.8620	0.0004	0.0298

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 XO= 0.000 YO= 0.000 ZO= 0.000

FORMEQ:

FROM	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0137	0140	3-D Z-Coord Diff	-2056.5760	0.0005	0.0627
GROUP: 293234420PT 70					
0129	0132	3-D X-Coord Diff	-4990.4820	0.0006	66.3243
0129	0132	3-D Y-Coord Diff	594.1940	0.0014	44.2738
0129	0132	3-D Z-Coord Diff	-2118.0430	0.0015	15.6006
GROUP: 293334420PT 71					
0129	0133	3-D X-Coord Diff	-6461.3710	0.0005	66.2913
0129	0133	3-D Y-Coord Diff	1254.0370	0.0010	44.2861
0129	0133	3-D Z-Coord Diff	-2042.2400	0.0011	15.5986
GROUP: 323334420PT 72					
0132	0133	3-D X-Coord Diff	-1470.8880	0.0003	-0.0345
0132	0133	3-D Y-Coord Diff	659.8430	0.0008	0.0123
GROUP: 374134320PT 73					
0137	0141	3-D X-Coord Diff	-669.8050	0.0003	-74.5901
0137	0141	3-D Y-Coord Diff	-2222.1970	0.0006	28.5558
0137	0141	3-D Z-Coord Diff	-3510.7590	0.0007	-21.3972
GROUP: 292334430PT 74					
0129	0123	3-D X-Coord Diff	6477.9960	0.0008	66.5237
0129	0123	3-D Y-Coord Diff	-1291.7440	0.0023	44.1019
0129	0123	3-D Z-Coord Diff	2007.5960	0.0007	15.4764
GROUP: 292434430PT 75					
0129	0124	3-D X-Coord Diff	4789.3080	0.0008	66.4960
0129	0124	3-D Y-Coord Diff	-1064.5800	0.0022	44.1274
0129	0124	3-D Z-Coord Diff	1329.3270	0.0007	15.496[illegible]
GROUP: 232434430PT 76					
0123	0124	3-D X-Coord Diff	-1688.6900	0.0005	-0.0257
0123	0124	3-D Y-Coord Diff	227.1660	0.0015	0.0236
0123	0124	3-D Z-Coord Diff	-678.2680	0.0005	0.0189
GROUP: 374234320PT 77					
0137	0142	3-D X-Coord Diff	922.1490	0.0004	0.0706
0137	0142	3-D Y-Coord Diff	-3087.3250	0.0008	0.0515
0137	0142	3-D Z-Coord Diff	-3809.2690	0.0009	0.1155
GROUP: 231934440PT 78					
0123	0119	3-D X-Coord Diff	6850.4800	0.0012	0.1435
0123	0119	3-D Y-Coord Diff	-2366.3850	0.0019	-0.0739
0123	0119	3-D Z-Coord Diff	678.9280	0.0014	-0.0203
GROUP: 236434440PT 79					
0123	0164	3-D X-Coord Diff	2436.1130	0.0011	0.0803
0123	0164	3-D Z-Coord Diff	-2005.8170	0.0012	0.0600
GROUP: 196434440PT 80					
0119	0164	3-D X-Coord Diff	-4414.3700	0.0011	-0.0602
0119	0164	3-D Y-Coord Diff	-60.2030	0.0018	0.0848
0119	0164	3-D Z-Coord Diff	-2684.7410	0.0013	0.0763
GROUP: 404134320PT 81					
0140	0141	3-D X-Coord Diff	-886.1240	0.0003	-74.6228
0140	0141	3-D Y-Coord Diff	-671.3340	0.0005	28.5250

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ORMED:

	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
140	0141	3-D Z-Coord Diff	-1454.1840	0.0006	-21.4588
GROUP: 162034510PT 82					
116	0120	3-D X-Coord Diff	-4482.7340	0.0004	-0.0987
116	0120	3-D Y-Coord Diff	1873.6280	0.0006	0.0402
GROUP: 606135010PT 83					
0160	0161	3-D X-Coord Diff	1814.2210	0.0005	-69.4539
160	0161	3-D Y-Coord Diff	186.2120	0.0006	-45.3729
160	0161	3-D Z-Coord Diff	1315.1080	0.0005	-10.0557
GROUP: 606435010PT 84					
160	0164	3-D X-Coord Diff	2508.1640	0.0005	-3.1554
160	0164	3-D Y-Coord Diff	1821.6830	0.0007	-1.3446
0160	0164	3-D Z-Coord Diff	3992.7120	0.0005	5.4176
ROUP: 404234320PT 85					
140	0142	3-D X-Coord Diff	705.8290	0.0003	0.0390
0140	0142	3-D Y-Coord Diff	-1536.4640	0.0006	0.0227
0140	0142	3-D Z-Coord Diff	-1752.6920	0.0007	0.0519
ROUP: 616435010PT 86					
161	0164	3-D X-Coord Diff	693.9440	0.0006	66.2975
0161	0164	3-D Y-Coord Diff	1635.4720	0.0008	44.0273
161	0164	3-D Z-Coord Diff	2677.6030	0.0006	15.4743
ROUP: 642535020PT 87					
0164	0125	3-D X-Coord Diff	-4455.9850	0.0004	2.3968
[illegible]	0125	3-D Y-Coord Diff	1840.9900	0.0007	1.6814
[illegible]4	0125	3-D Z-Coord Diff	-23.3720	0.0008	-5.2965
[illegible]UP: 642635020PT 88					
0164	0126	3-D X-Coord Diff	-4781.6520	0.0004	2.4071
164	0126	3-D Y-Coord Diff	1043.6700	0.0008	1.7046
164	0126	3-D Z-Coord Diff	-1346.4890	0.0009	-5.2573
GROUP: 414234320PT 89					
141	0142	3-D X-Coord Diff	1591.9540	0.0004	74.6607
141	0142	3-D Y-Coord Diff	-865.1280	0.0007	-28.5042
0141	0142	3-D Z-Coord Diff	-298.5100	0.0008	21.5127
GROUP: 252635020PT 90					
125	0126	3-D X-Coord Diff	-325.6680	0.0003	0.0112
125	0126	3-D Y-Coord Diff	-797.3200	0.0005	0.0232
0125	0126	3-D Z-Coord Diff	-1323.1170	0.0006	0.0393
ROUP: 505135030PT 91					
150	0151	3-D X-Coord Diff	1657.6380	0.0003	2.5430
0150	0151	3-D Y-Coord Diff	-686.7960	0.0010	1.6099
150	0151	3-D Z-Coord Diff	12.0430	0.0003	-5.2711
ROUP: 505235030PT 92					
0150	0152	3-D X-Coord Diff	3138.3720	0.0004	2.5753
0150	0152	3-D Y-Coord Diff	-1306.1310	0.0012	1.5969
150	0152	3-D Z-Coord Diff	27.1880	0.0004	-5.2717
ROUP: 424434330PT 93					
0142	0144	3-D X-Coord Diff	725.3520	0.0005	0.0384

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

FORMEQ:

	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
0142	0144	3-D Y-Coord Diff	-1520.8930	0.0014	0.0206
0142	0144	3-D Z-Coord Diff	-1703.6960	0.0005	0.0516
GROUP: 515235030PT 94					
0151	0152	3-D X-Coord Diff	1480.7340	0.0004	0.0323
0151	0152	3-D Y-Coord Diff	-619.3340	0.0012	-0.0140
GROUP: 616235040PT 95					
0161	0162	3-D X-Coord Diff	994.6240	0.0004	68.9272
0161	0162	3-D Y-Coord Diff	90.9200	0.0006	45.6369
0161	0162	3-D Z-Coord Diff	688.9530	0.0004	10.2374
GROUP: 616335040PT 96					
0161	0163	3-D X-Coord Diff	1806.5510	0.0004	68.9372
0161	0163	3-D Y-Coord Diff	177.9310	0.0007	45.6193
0161	0163	3-D Z-Coord Diff	1287.1010	0.0005	10.2199
GROUP: 424534330PT 97					
0142	0145	3-D X-Coord Diff	1456.0310	0.0007	0.0536
0142	0145	3-D Z-Coord Diff	-1655.4120	0.0006	0.0504
GROUP: 626335040PT 98					
0162	0163	3-D X-Coord Diff	811.9280	0.0003	0.0090
0162	0163	3-D Y-Coord Diff	87.0110	0.0005	-0.0176
0162	0163	3-D Z-Coord Diff	598.1480	0.0003	-0.0175
GROUP: 071335110PT 99					
0107	0113	3-D X-Coord Diff	-4902.2120	0.0005	-0.0824
0107	0113	3-D Y-Coord Diff	607.6400	0.0007	0.0769
0107	0113	3-D Z-Coord Diff	-1993.9920	0.0005	0.060
GROUP: 071635110PT 100					
0107	0116	3-D X-Coord Diff	-8618.6110	0.0006	2.4036
0107	0116	3-D Y-Coord Diff	2151.5500	0.0009	-35.3578
0107	0116	3-D Z-Coord Diff	-1998.9640	0.0006	-15.9979
GROUP: 424634330PT 101					
0142	0146	3-D X-Coord Diff	2150.9620	0.0005	0.0532
0142	0146	3-D Y-Coord Diff	-1219.4290	0.0013	-0.0131
0142	0146	3-D Z-Coord Diff	-443.2810	0.0004	0.0130
GROUP: 121335110PT 102					
0112	0113	3-D Y-Coord Diff	-1256.1550	0.0018	0.0274
0112	0113	3-D Z-Coord Diff	-2015.5870	0.0015	0.0604
GROUP: 131635110PT 103					
0113	0116	3-D X-Coord Diff	-3716.4010	0.0004	2.4881
0113	0116	3-D Y-Coord Diff	1543.9080	0.0006	-35.4327
0113	0116	3-D Z-Coord Diff	-4.9700	0.0004	-16.0599
GROUP: 071135120PT 104					
0107	0111	3-D X-Coord Diff	-4305.3480	0.0005	-0.1041
0107	0111	3-D Y-Coord Diff	2250.5010	0.0009	0.0284
0107	0111	3-D Z-Coord Diff	665.1750	0.0009	-0.0194
GROUP: 444534330PT 105					
0144	0145	3-D X-Coord Diff	730.6800	0.0004	0.0142
GROUP: 071535120PT 106					

DGMEQ:

[illegible]	0115	3-D X-Coord Diff	-6650.5780	0.0005	-0.1477
107	0115	3-D Y-Coord Diff	2769.2790	0.0010	0.0600
GROUP: 111535120PT 107					
0111	0115	3-D X-Coord Diff	-2345.2290	0.0003	-0.0447
111	0115	3-D Y-Coord Diff	518.7810	0.0006	0.0286
111	0115	3-D Z-Coord Diff	-639.0380	0.0007	0.0202
GROUP: 151735130PT 108					
0115	0117	3-D X-Coord Diff	-3131.0220	0.0003	-0.0602
115	0117	3-D Y-Coord Diff	825.1800	0.0008	0.0383
0115	0117	3-D Z-Coord Diff	-668.2940	0.0003	0.0194
GROUP: 444634330PT 109					
144	0146	3-D X-Coord Diff	1425.6110	0.0005	0.0138
144	0146	3-D Y-Coord Diff	301.4650	0.0012	-0.0347
0144	0146	3-D Z-Coord Diff	1260.4140	0.0004	-0.0375
GROUP: 151935130PT 110					
115	0119	3-D X-Coord Diff	-5523.8130	0.0005	2.9503
0115	0119	3-D Y-Coord Diff	1326.5830	0.0013	-6.3861
115	0119	3-D Z-Coord Diff	-1360.1220	0.0004	19.7005
GROUP: 152035130PT 111					
0115	0120	3-D X-Coord Diff	-6450.7740	0.0009	2.4596
0115	0120	3-D Y-Coord Diff	1255.8820	0.0028	-35.3606
115	0120	3-D Z-Coord Diff	-2007.6650	0.0009	-16.0137
GROUP: 171935130PT 112					
[illegible]	0119	3-D X-Coord Diff	-2392.7910	0.0003	3.0105
[illegible]	0119	3-D Y-Coord Diff	501.4030	0.0010	-6.4245
[illegible]7	0119	3-D Z-Coord Diff	-691.8280	0.0003	19.6810
GROUP: 454634330PT 113					
0145	0146	3-D Y-Coord Diff	563.0020	0.0014	-0.0254
145	0146	3-D Z-Coord Diff	1212.1310	0.0005	-0.0373
GROUP: 172035130PT 114					
0117	0120	3-D X-Coord Diff	-3319.7520	0.0009	2.5198
117	0120	3-D Y-Coord Diff	430.7020	0.0027	-35.3989
117	0120	3-D Z-Coord Diff	-1339.3710	0.0008	-16.0331
GROUP: 192035130PT 115					
0119	0120	3-D X-Coord Diff	-926.9610	0.0008	-0.4907
119	0120	3-D Y-Coord Diff	-70.7030	0.0024	-28.9725
0119	0120	3-D Z-Coord Diff	-647.5420	0.0008	-35.7152
GROUP: 646935140PT 116					
0164	0169	3-D X-Coord Diff	7388.6350	0.0007	-2.9002
0164	0169	3-D Y-Coord Diff	-3230.6550	0.0011	6.4150
0164	0169	3-D Z-Coord Diff	-209.0330	0.0008	-19.6584
GROUP: 374634340PT 117					
0137	0146	3-D X-Coord Diff	3073.1040	0.0012	0.1308
0137	0146	3-D Z-Coord Diff	-4252.5540	0.0014	0.1326
GROUP: 647335140PT 118					
0164	0173	3-D X-Coord Diff	11870.3890	0.0009	-2.8042
0164	0173	3-D Y-Coord Diff	-4954.8680	0.0015	6.3702
0164	0173	3-D Z-Coord Diff	8.2580	0.0011	-19.6646

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

FORMED:

A	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 697335140PT 119					
0169	0173	3-D X-Coord Diff	4481.7530	0.0005	0.0970
0169	0173	3-D Y-Coord Diff	-1724.2140	0.0008	-0.0438
0169	0173	3-D Z-Coord Diff	217.2920	0.0006	-0.0073
GROUP: 070835210PT 120					
0107	0108	3-D X-Coord Diff	-1149.0960	0.0004	-9.9449
0107	0108	3-D Y-Coord Diff	1447.5970	0.0006	-1.1242
0107	0108	3-D Z-Coord Diff	1370.6050	0.0004	31.1892
GROUP: 374734340PT 121					
0137	0147	3-D X-Coord Diff	3435.3950	0.0009	0.1048
0137	0147	3-D Z-Coord Diff	-2204.7660	0.0010	0.0664
GROUP: 071135210PT 122					
0107	0111	3-D X-Coord Diff	-4305.3420	0.0007	-0.1101
0107	0111	3-D Y-Coord Diff	2250.5160	0.0010	0.0134
GROUP: 071235210PT 123					
0107	0112	3-D X-Coord Diff	-4464.9580	0.0005	-0.0888
0107	0112	3-D Y-Coord Diff	1863.8010	0.0008	0.0435
0107	0112	3-D Z-Coord Diff	21.5860	0.0005	0.0086
GROUP: 081135210PT 124					
0108	0111	3-D X-Coord Diff	-3156.2440	0.0006	9.8328
0108	0111	3-D Y-Coord Diff	802.9190	0.0009	1.1376
0108	0111	3-D Z-Coord Diff	-705.4460	0.0007	-31.1925
GROUP: 374834340PT 125					
0137	0148	3-D X-Coord Diff	5427.9800	0.0009	-8.0057
0137	0148	3-D Y-Coord Diff	-2395.6190	0.0014	72.6856
0137	0148	3-D Z-Coord Diff	-163.8410	0.0010	-6.0720
GROUP: 081235210PT 126					
0108	0112	3-D X-Coord Diff	-3315.8610	0.0005	9.8551
0108	0112	3-D Y-Coord Diff	416.2010	0.0008	1.1707
0108	0112	3-D Z-Coord Diff	-1349.0160	0.0006	-31.1835
GROUP: 111235210PT 127					
0111	0112	3-D X-Coord Diff	-159.6150	0.0003	0.0203
0111	0112	3-D Y-Coord Diff	-386.7170	0.0005	0.0321
0111	0112	3-D Z-Coord Diff	-643.5720	0.0003	0.0110
GROUP: 077335220PT 128					
0107	0173	3-D X-Coord Diff	-4718.3510	0.0009	-0.0828
0107	0173	3-D Y-Coord Diff	-919.2130	0.0016	0.1329
0107	0173	3-D Z-Coord Diff	-4010.5090	0.0017	0.1539
GROUP: 464734340PT 129					
0146	0147	3-D X-Coord Diff	362.2850	0.0005	-0.0199
0146	0147	3-D Y-Coord Diff	1306.0660	0.0009	0.0125
0146	0147	3-D Z-Coord Diff	2047.7910	0.0006	-0.0691
GROUP: 070209020PT 130					
0702	0902	3-D X-Coord Diff	2009.0520	0.0006	0.0187
0702	0902	3-D Y-Coord Diff	591.3130	0.0009	-0.0504
0702	0902	3-D Z-Coord Diff	1969.6690	0.0012	-0.0585

FORMED:

FROM	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 077835220PT 131					
0107	0178	3-D X-Coord Diff	-594.6420	0.0006	-9.8763
0107	0178	3-D Y-Coord Diff	-1691.4930	0.0011	-1.0636
0107	0178	3-D Z-Coord Diff	-2679.4620	0.0011	31.3112
GROUP: 737635220PT 132					
0173	0176	3-D X-Coord Diff	3379.0590	0.0006	-9.8125
0173	0176	3-D Y-Coord Diff	-459.6060	0.0012	-1.1905
0173	0176	3-D Z-Coord Diff	1331.1960	0.0012	31.1567
GROUP: 464834340PT 133					
0146	0148	3-D X-Coord Diff	2354.8690	0.0010	-8.1295
0146	0148	3-D Y-Coord Diff	1911.0860	0.0016	72.6962
0146	0148	3-D Z-Coord Diff	4088.7180	0.0012	-6.2095
GROUP: 051903420PT 134					
0519	0342	3-D X-Coord Diff	-6221.2390	0.0010	-0.1278
0519	0342	3-D Y-Coord Diff	1975.6560	0.0016	0.0672
0519	0342	3-D Z-Coord Diff	-769.2180	0.0011	0.0231
GROUP: 767835220PT 135					
0176	0178	3-D X-Coord Diff	744.6450	0.0003	0.0220
0176	0178	3-D Z-Coord Diff	-0.1380	0.0006	-0.0105
GROUP: 034209030PT 136					
0342	0903	3-D X-Coord Diff	-2062.4520	0.0005	-0.0559
0342	0903	3-D Z-Coord Diff	727.9710	0.0012	-0.0220
GROUP: 474834340PT 137					
0147	0148	3-D X-Coord Diff	1992.5840	0.0006	-8.1095
0147	0148	3-D Y-Coord Diff	605.0190	0.0009	72.6848
0147	0148	3-D Z-Coord Diff	2040.9270	0.0007	-6.1404
GROUP: 736835230PT 138					
0173	0168	3-D X-Coord Diff	-4793.6490	0.0007	-9.9582
0173	0168	3-D Y-Coord Diff	1037.7800	0.0020	-1.0727
0173	0168	3-D Z-Coord Diff	-1339.6610	0.0007	31.2372
GROUP: 737235230PT 139					
0173	0172	3-D X-Coord Diff	-166.3060	0.0003	-63.0992
0173	0172	3-D Y-Coord Diff	-412.1860	0.0009	-51.2199
0173	0172	3-D Z-Coord Diff	-669.2270	0.0003	3.6932
GROUP: 636835230PT 140					
0163	0168	3-D X-Coord Diff	5964.1280	0.0007	-15.3971
0163	0168	3-D Y-Coord Diff	-2459.5710	0.0018	3.7295
0163	0168	3-D Z-Coord Diff	59.0700	0.0006	16.8560
GROUP: 363334350PT 141					
0136	0133	3-D X-Coord Diff	1549.5440	0.0004	-8.1360
0136	0133	3-D Y-Coord Diff	786.3720	0.0006	72.7037
0136	0133	3-D Z-Coord Diff	2034.1750	0.0006	-6.1252
GROUP: 637235230PT 142					
0163	0172	3-D X-Coord Diff	10591.4720	0.0012	-68.5391
0163	0172	3-D Y-Coord Diff	-3909.5340	0.0032	-46.4207
0163	0172	3-D Z-Coord Diff	729.5020	0.0010	-10.6860

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.00

FR IEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 293035730PT 179					
0129	0130	3-D X-Coord Diff	-2397.6170	0.0005	23.3887
0129	0130	3-D Y-Coord Diff	513.6390	0.0011	32.6613
0129	0130	3-D Z-Coord Diff	-635.7280	0.0004	15.3807
GROUP: 293235730PT 180					
0129	0132	3-D X-Coord Diff	-4990.4800	0.0008	66.3228
0129	0132	3-D Y-Coord Diff	594.1820	0.0020	44.2858
0129	0132	3-D Z-Coord Diff	-2118.0280	0.0008	15.5856
GROUP: 303235730PT 181					
0130	0132	3-D X-Coord Diff	-2592.8620	0.0005	42.9331
0130	0132	3-D Y-Coord Diff	80.5430	0.0013	11.6245
0130	0132	3-D Z-Coord Diff	-1482.3000	0.0005	0.2049
GROUP: 525635740PT 182					
0152	0156	3-D X-Coord Diff	3139.6620	0.0005	-35.1834
0152	0156	3-D Y-Coord Diff	-841.6140	0.0008	-38.4664
0152	0156	3-D Z-Coord Diff	661.7450	0.0006	-22.6757
GROUP: 526035740PT 183					
0152	0160	3-D X-Coord Diff	5933.6540	0.0008	0.7627
0152	0160	3-D Y-Coord Diff	-2493.6700	0.0013	-0.4710
0152	0160	3-D Z-Coord Diff	12.9110	0.0010	-0.2528
GROUP: 230236510PT 184					
0523	0902	3-D X-Coord Diff	-9790.3850	0.0008	-14.9231
0[illegible]	0902	3-D Y-Coord Diff	1469.9150	0.0012	16.2145
0523	0902	3-D Z-Coord Diff	-3492.8700	0.0014	0.4977
GROUP: 170236510PT 185					
0517	0902	3-D X-Coord Diff	-6828.7740	0.0007	-14.8586
0517	0902	3-D Y-Coord Diff	305.3250	0.0010	16.1884
0517	0902	3-D Z-Coord Diff	-3457.2190	0.0008	0.4932
GROUP: 566035740PT 186					
0156	0160	3-D X-Coord Diff	2793.9890	0.0005	35.9491
0156	0160	3-D Y-Coord Diff	-1652.0610	0.0008	38.0003
0156	0160	3-D Z-Coord Diff	-648.8320	0.0006	22.4209
GROUP: 034203440PT 187					
0342	0344	3-D X-Coord Diff	3755.5150	0.0009	0.0819
0342	0344	3-D Y-Coord Diff	-1455.4040	0.0015	-0.0348
GROUP: 737835220PT 188					
0173	0178	3-D X-Coord Diff	4123.7040	0.0008	-9.7905
0173	0178	3-D Y-Coord Diff	-772.2880	0.0015	-1.1885
0173	0178	3-D Z-Coord Diff	1331.0580	0.0015	31.1462
GROUP: 077635220PT 189					
0107	0176	3-D X-Coord Diff	-1339.2860	0.0006	-9.9013
0107	0176	3-D Y-Coord Diff	-1378.8120	0.0012	-1.0647
0107	0176	3-D Z-Coord Diff	-2679.3240	0.0012	31.3217
GROUP: 788535740PT 190					
0178	0185	3-D X-Coord Diff	8986.8820	0.0011	143.9441
0178	0185	3-D Y-Coord Diff	-3226.9050	0.0012	218.6781

FROM:

FROM	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0178	0185	3-D Z-Coord Diff	665.4390	0.0013	-64.3121
GROUP: 921835810PT 191					
0192	0318	3-D X-Coord Diff	7586.2310	0.0008	-9.6128
0192	0318	3-D Y-Coord Diff	-2528.1470	0.0017	-22.1805
0192	0318	3-D Z-Coord Diff	819.5250	0.0009	41.1844
GROUP: 922035810PT 192					
0192	0320	3-D X-Coord Diff	4425.5690	0.0007	-9.6747
0192	0320	3-D Y-Coord Diff	-1683.0900	0.0014	-22.1413
0192	0320	3-D Z-Coord Diff	183.7740	0.0008	41.2030
GROUP: 922235810PT 193					
0192	0322	3-D X-Coord Diff	2892.6920	0.0005	-9.6980
0192	0322	3-D Y-Coord Diff	-1602.6390	0.0011	-22.1153
0192	0322	3-D Z-Coord Diff	-589.6660	0.0006	41.2259
GROUP: 171835810PT 194					
0317	0318	3-D X-Coord Diff	-1638.9480	0.0003	-0.0051
0317	0318	3-D Z-Coord Diff	-646.1970	0.0004	0.0550
GROUP: 172035810PT 195					
0317	0320	3-D X-Coord Diff	-4799.6120	0.0006	-0.0650
0317	0320	3-D Y-Coord Diff	1056.2380	0.0009	0.0420
0317	0320	3-D Z-Coord Diff	-1281.9460	0.0006	0.0716
GROUP: 172235810PT 196					
[illegible]	0322	3-D X-Coord Diff	-6332.4870	0.0004	-0.0904
[illegible]7	0322	3-D Y-Coord Diff	1136.6950	0.0008	0.0620
0317	0322	3-D Z-Coord Diff	-2055.3880	0.0005	0.0965
GROUP: 182035810PT 197					
0318	0320	3-D X-Coord Diff	-3160.6640	0.0006	-0.0599
0318	0320	3-D Y-Coord Diff	845.0530	0.0009	0.0432
0318	0320	3-D Z-Coord Diff	-635.7490	0.0006	0.0166
GROUP: 182235810PT 198					
0318	0322	3-D X-Coord Diff	-4693.5390	0.0005	-0.0853
0318	0322	3-D Y-Coord Diff	925.5080	0.0009	0.0652
0318	0322	3-D Z-Coord Diff	-1409.1900	0.0006	0.0405
GROUP: 202235810PT 199					
0320	0322	3-D X-Coord Diff	-1532.8770	0.0005	-0.0233
0320	0322	3-D Y-Coord Diff	80.4560	0.0008	0.0211
0320	0322	3-D Z-Coord Diff	-773.4410	0.0005	0.0239
GROUP: 179035820PT 200					
0317	0190	3-D X-Coord Diff	-9868.4200	0.0006	-0.1642
0317	0190	3-D Y-Coord Diff	1093.3520	0.0009	0.1558
0317	0190	3-D Z-Coord Diff	-4160.1010	0.0010	0.1249
GROUP: 179135820PT 201					
0317	0191	3-D X-Coord Diff	-9536.9600	0.0007	43.6745
0317	0191	3-D Y-Coord Diff	1939.7570	0.0010	13.4659
0317	0191	3-D Z-Coord Diff	-2780.5830	0.0011	-34.7571
GROUP: 172135820PT 202					
0317	0321	3-D X-Coord Diff	-5056.4380	0.0005	-0.0754

F' 1EQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0317	0321	3-D Y-Coord Diff	70.6560	0.0007	0.0905
0317	0321	3-D Z-Coord Diff	-2819.8230	0.0009	0.0846
GROUP: 172835820PT 203					
0317	0328	3-D X-Coord Diff	-2089.6750	0.0005	-0.0098
0317	0328	3-D Y-Coord Diff	-1145.9300	0.0007	0.0642
0317	0328	3-D Z-Coord Diff	-2814.7120	0.0009	0.0844
GROUP: 909135820PT 204					
0190	0191	3-D X-Coord Diff	331.4600	0.0004	43.8387
0190	0191	3-D Y-Coord Diff	846.4050	0.0006	13.3101
0190	0191	3-D Z-Coord Diff	1379.5150	0.0006	-34.8791
GROUP: 902135820PT 205					
0190	0321	3-D X-Coord Diff	4811.9810	0.0004	0.0898
0190	0321	3-D Y-Coord Diff	-1022.6970	0.0006	-0.0639
0190	0321	3-D Z-Coord Diff	1340.2830	0.0007	-0.0453
GROUP: 902835820PT 206					
0190	0328	3-D X-Coord Diff	7778.7450	0.0005	0.1544
0190	0328	3-D Y-Coord Diff	-2239.2810	0.0007	-0.0927
0190	0328	3-D Z-Coord Diff	1345.3890	0.0008	-0.0405
GROUP: 912135820PT 207					
0191	0321	3-D X-Coord Diff	4480.5190	0.0005	-43.7469
0191	0321	3-D Y-Coord Diff	-1869.1040	0.0007	-13.3720
0191	0321	3-D Z-Coord Diff	-39.2290	0.0009	34.830[illegible]
G[illegible]JP: 912835820PT 208					
0191	0328	3-D X-Coord Diff	7447.2840	0.0006	-43.6833
0191	0328	3-D Y-Coord Diff	-3085.6870	0.0008	-13.4017
0191	0328	3-D Z-Coord Diff	-34.1260	0.0010	34.8385
GROUP: 212835820PT 209					
0321	0328	3-D X-Coord Diff	2966.7630	0.0004	0.0656
0321	0328	3-D Y-Coord Diff	-1216.5860	0.0006	-0.0268
GROUP: 282635830PT 210					
0328	0326	3-D X-Coord Diff	-1796.2870	0.0004	9.8223
0328	0326	3-D Y-Coord Diff	-220.4820	0.0009	22.8344
0328	0326	3-D Z-Coord Diff	-1345.7520	0.0004	-41.2227
GROUP: 282735830PT 211					
0328	0327	3-D X-Coord Diff	-172.3900	0.0004	0.0046
0328	0327	3-D Y-Coord Diff	-402.3230	0.0009	0.0126
0328	0327	3-D Z-Coord Diff	-665.7040	0.0004	0.0199
GROUP: 283035830PT 212					
0328	0330	3-D X-Coord Diff	2982.1860	0.0004	0.0659
0328	0330	3-D Y-Coord Diff	-1207.8680	0.0009	-0.0275
GROUP: 283135830PT 213					
0328	0331	3-D X-Coord Diff	4636.9420	0.0004	0.0938
0328	0331	3-D Y-Coord Diff	-1400.5400	0.0010	-0.0531
0328	0331	3-D Z-Coord Diff	700.3980	0.0004	-0.0204
GROUP: 262735830PT 214					
0326	0327	3-D X-Coord Diff	1623.8980	0.0003	-9.8187

F Q:

T	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0326	0327	3-D Y-Coord Diff	-181.8390	0.0006	-22.8238
326	0327	3-D Z-Coord Diff	680.0460	0.0003	41.2446
ROUP: 263035830PT 215					
0326	0330	3-D X-Coord Diff	4778.4730	0.0003	-9.7564
326	0330	3-D Y-Coord Diff	-987.3860	0.0008	-22.8619
326	0330	3-D Z-Coord Diff	1364.2130	0.0003	41.2240
GROUP: 263135830PT 216					
0326	0331	3-D X-Coord Diff	6433.2280	0.0003	-9.7275
326	0331	3-D Y-Coord Diff	-1180.0590	0.0008	-22.8864
326	0331	3-D Z-Coord Diff	2046.1500	0.0003	41.2022
GROUP: 273035830PT 217					
327	0330	3-D X-Coord Diff	3154.5760	0.0003	0.0613
327	0330	3-D Y-Coord Diff	-805.5460	0.0008	-0.0391
0327	0330	3-D Z-Coord Diff	684.1670	0.0003	-0.0206
ROUP: 273135830PT 218					
327	0331	3-D X-Coord Diff	4809.3310	0.0003	0.0902
0327	0331	3-D Y-Coord Diff	-998.2200	0.0008	-0.0626
0327	0331	3-D Z-Coord Diff	1366.1030	0.0003	-0.0414
ROUP: 303135830PT 219					
0330	0331	3-D X-Coord Diff	1654.7550	0.0003	0.0289
[illegible]	0331	3-D Y-Coord Diff	-192.6740	0.0007	-0.0236
[illegible]	0331	3-D Z-Coord Diff	681.9370	0.0003	-0.0218
UP: 171335840PT 220					
0317	0313	3-D X-Coord Diff	6116.1440	0.0007	0.1289
0317	0313	3-D Y-Coord Diff	-2112.9900	0.0012	-0.0643
0317	0313	3-D Z-Coord Diff	546.2150	0.0006	-0.0155
GROUP: 171235840PT 221					
0317	0312	3-D X-Coord Diff	7615.6240	0.0007	0.1616
0317	0312	3-D Y-Coord Diff	-2722.5790	0.0014	-0.0776
0317	0312	3-D Z-Coord Diff	550.2840	0.0007	-0.0156
GROUP: 171535840PT 222					
0317	0315	3-D X-Coord Diff	3001.0480	0.0006	0.0661
0317	0315	3-D Y-Coord Diff	-1211.3730	0.0010	-0.0275
GROUP: 131235840PT 223					
0013	0312	3-D X-Coord Diff	-246.2800	0.0008	-61.2606
0013	0312	3-D Y-Coord Diff	-2256.5330	0.0014	37.0859
0013	0312	3-D Z-Coord Diff	-3312.1800	0.0009	5.7269
GROUP: 131335840PT 224					
0013	0313	3-D X-Coord Diff	-1745.7540	0.0008	-61.2993
0013	0313	3-D Y-Coord Diff	-1646.9400	0.0014	37.0953
0013	0313	3-D Z-Coord Diff	-3316.2570	0.0009	5.7350
GROUP: 131535840PT 225					
0313	0315	3-D X-Coord Diff	-3115.1000	0.0006	-0.0588
0313	0315	3-D Y-Coord Diff	901.6120	0.0011	0.0417
0313	0315	3-D Z-Coord Diff	-523.2080	0.0006	0.0120
GROUP: 121335840PT 226					

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0312	0313	3-D X-Coord Diff	-1499.4830	0.0007	-0.0297
0312	0313	3-D Y-Coord Diff	609.5840	0.0012	0.0183
GROUP: 121535840PT 227					
0312	0315	3-D X-Coord Diff	-4614.5770	0.0007	-0.0945
0312	0315	3-D Y-Coord Diff	1511.2030	0.0012	0.0531
0312	0315	3-D Z-Coord Diff	-527.2820	0.0007	0.0171
GROUP: 130836010PT 228					
0013	0308	3-D X-Coord Diff	6075.6630	0.0038	-0.4190
0013	0308	3-D Y-Coord Diff	-4291.0730	0.0049	141.3354
0013	0308	3-D Z-Coord Diff	-2547.6420	0.0030	-36.9584
GROUP: 130336010PT 229					
0013	0803	3-D X-Coord Diff	4447.4330	0.0044	-0.4562
0013	0803	3-D Y-Coord Diff	-3595.7510	0.0056	141.3497
0013	0803	3-D Z-Coord Diff	-2503.6570	0.0034	-36.9595
GROUP: 080336010PT 230					
0308	0803	3-D X-Coord Diff	-1628.2200	0.0005	-0.0473
0308	0803	3-D Y-Coord Diff	695.3010	0.0007	0.0350
0308	0803	3-D Z-Coord Diff	43.9960	0.0004	-0.0121
GROUP: 030936020PT 231					
0803	0309	3-D X-Coord Diff	-172.8600	0.0003	0.0051
0803	0309	3-D Y-Coord Diff	-407.5090	0.0004	0.0127
0803	0309	3-D Z-Coord Diff	-672.1030	0.0003	0.0205
GROUP: 031036020PT 232					
0803	0310	3-D X-Coord Diff	-345.5060	0.0004	0.0097
0803	0310	3-D Y-Coord Diff	-814.5890	0.0005	0.0252
0803	0310	3-D Z-Coord Diff	-1344.3460	0.0004	0.0410
GROUP: 033636020PT 233					
0803	0336	3-D X-Coord Diff	-644.3780	0.0004	0.0214
0803	0336	3-D Y-Coord Diff	-1706.2090	0.0005	0.0504
0803	0336	3-D Z-Coord Diff	-2764.2440	0.0004	0.0829
GROUP: 091036020PT 234					
0309	0310	3-D X-Coord Diff	-172.6460	0.0004	0.0046
0309	0310	3-D Y-Coord Diff	-407.0800	0.0005	0.0125
0309	0310	3-D Z-Coord Diff	-672.2420	0.0004	0.0195
GROUP: 093636020PT 235					
0309	0336	3-D X-Coord Diff	-471.5180	0.0003	0.0163
0309	0336	3-D Y-Coord Diff	-1298.6990	0.0004	0.0367
0309	0336	3-D Z-Coord Diff	-2092.1420	0.0003	0.0635
GROUP: 103636020PT 236					
0310	0336	3-D X-Coord Diff	-298.8720	0.0003	0.0117
0310	0336	3-D Y-Coord Diff	-891.6200	0.0005	0.0252
0310	0336	3-D Z-Coord Diff	-1419.8990	0.0003	0.0430
GROUP: 363436030PT 237					
0336	0334	3-D X-Coord Diff	-4501.7520	0.0005	-0.0992
0336	0334	3-D Y-Coord Diff	1819.3650	0.0007	0.0411
GROUP: 360136030PT 238					
0336	0801	3-D X-Coord Diff	-3757.0910	0.0005	-0.0829
0336	0801	3-D Y-Coord Diff	1517.2060	0.0006	0.0342

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

6378206.400 B= 6356583.800 X0 0.000 Y0= 0.000 Z0= 0.000

FF[illegible]:

	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 360236030PT 239					
[illegible]36	0802	3-D X-Coord Diff	-2245.9700	0.0004	-0.0498
[illegible]36	0802	3-D Y-Coord Diff	903.5740	0.0005	0.0208
GROUP: 340136030PT 240					
[illegible]34	0801	3-D X-Coord Diff	744.6640	0.0004	0.0133
[illegible]34	0801	3-D Y-Coord Diff	-302.1600	0.0005	-0.0060
GROUP: 340236030PT 241					
0334	0802	3-D X-Coord Diff	2255.7830	0.0005	0.0484
[illegible]34	0802	3-D Y-Coord Diff	-915.7890	0.0006	-0.0223
GROUP: 010236030PT 242					
0801	0802	3-D X-Coord Diff	1511.1190	0.0004	0.0351
[illegible]01	0802	3-D Y-Coord Diff	-613.6290	0.0005	-0.0163
GROUP: 341236040PT 243					
0334	0312	3-D X-Coord Diff	452.4280	0.0004	-60.7375
[illegible]34	0312	3-D Y-Coord Diff	1226.0700	0.0010	-104.3629
[illegible]34	0312	3-D Z-Coord Diff	1981.0190	0.0005	42.6371
GROUP: 343136040PT 244					
0334	0331	3-D X-Coord Diff	-4615.9470	0.0004	-60.7971
[illegible]34	0331	3-D Y-Coord Diff	1402.1840	0.0010	-104.2793
[illegible]34	0331	3-D Z-Coord Diff	-683.5940	0.0005	42.7316
GR[illegible]: 343236040PT 245					
[illegible]	0332	3-D X-Coord Diff	-4483.6600	0.0006	-0.0990
[illegible]4	0332	3-D Y-Coord Diff	1810.4380	0.0014	0.0411
GROUP: 123136040PT 246					
[illegible]312	0331	3-D X-Coord Diff	-5068.3700	0.0006	-0.0646
[illegible]312	0331	3-D Y-Coord Diff	176.1240	0.0012	0.0737
0312	0331	3-D Z-Coord Diff	-2664.6190	0.0009	0.1006
GROUP: 123236040PT 247					
[illegible]312	0332	3-D X-Coord Diff	-4936.0810	0.0008	60.6315
[illegible]312	0332	3-D Y-Coord Diff	584.3790	0.0016	104.3931
0312	0332	3-D Z-Coord Diff	-2014.4060	0.0011	-42.6287
[illegible]ROUP: 313236040PT 248					
[illegible]331	0332	3-D X-Coord Diff	132.2890	0.0004	60.6961
0331	0332	3-D Y-Coord Diff	408.2560	0.0007	104.3184
0331	0332	3-D Z-Coord Diff	650.2120	0.0005	-42.7283
[illegible]ROUP: 878936050PT 249					
0187	0189	3-D X-Coord Diff	4070.6230	0.0005	0.0923
0187	0189	3-D Y-Coord Diff	-1783.0690	0.0008	-0.0345
[illegible]ROUP: 872536050PT 250					
[illegible]187	0325	3-D X-Coord Diff	7593.3910	0.0007	0.1589
0187	0325	3-D Y-Coord Diff	-2626.2220	0.0011	-0.0803
[illegible]187	0325	3-D Z-Coord Diff	660.5750	0.0007	-0.0198
[illegible]ROUP: 872636050PT 251					
0187	0326	3-D X-Coord Diff	9280.0460	0.0007	26.8405
0187	0326	3-D Y-Coord Diff	-2841.0250	0.0012	-3.6159
[illegible]187	0326	3-D Z-Coord Diff	1332.9270	0.0007	-27.6718

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 892536050PT 252					
0189	0325	3-D X-Coord Diff	3522.7630	0.0005	0.0715
0189	0325	3-D Y-Coord Diff	-843.1570	0.0010	-0.0418
0189	0325	3-D Z-Coord Diff	849.4630	0.0005	-0.0309
GROUP: 892636050PT 253					
0189	0326	3-D X-Coord Diff	5209.4250	0.0006	26.7461
0189	0326	3-D Y-Coord Diff	-1057.9550	0.0011	-3.5823
0189	0326	3-D Z-Coord Diff	1521.8060	0.0006	-27.6738
GROUP: 252636050PT 254					
0325	0326	3-D X-Coord Diff	1686.6610	0.0005	26.6756
0325	0326	3-D Y-Coord Diff	-214.7970	0.0010	-3.5416
0325	0326	3-D Z-Coord Diff	672.3430	0.0005	-27.6429
GROUP: 878536060PT 255					
0187	0185	3-D X-Coord Diff	-1293.0250	0.0003	154.9597
0187	0185	3-D Y-Coord Diff	1007.3220	0.0004	216.0136
0187	0185	3-D Z-Coord Diff	640.7000	0.0003	-43.9207
GROUP: 878636060PT 256					
0187	0186	3-D X-Coord Diff	181.4590	0.0004	-0.0052
0187	0186	3-D Y-Coord Diff	400.1860	0.0006	-0.0121
0187	0186	3-D Z-Coord Diff	637.0270	0.0004	-0.0196
GROUP: 879036060PT 257					
0187	0190	3-D X-Coord Diff	3297.6020	0.0005	16.849[illegible]
[illegible]7	0190	3-D Y-Coord Diff	-381.2430	0.0008	-26.376[illegible]
0187	0190	3-D Z-Coord Diff	1333.3020	0.0005	13.5794
GROUP: 858636060PT 258					
0185	0186	3-D X-Coord Diff	1474.4840	0.0003	-154.9649
0185	0186	3-D Y-Coord Diff	-607.1350	0.0005	-216.0268
0185	0186	3-D Z-Coord Diff	-3.6720	0.0004	43.9001
GROUP: 859036060PT 259					
0185	0190	3-D X-Coord Diff	4590.6240	0.0005	-138.1069
0185	0190	3-D Y-Coord Diff	-1388.5700	0.0008	-242.3852
0185	0190	3-D Z-Coord Diff	692.6030	0.0006	57.4991
GROUP: 869036060PT 260					
0186	0190	3-D X-Coord Diff	3116.1400	0.0005	16.8580
0186	0190	3-D Y-Coord Diff	-781.4340	0.0008	-26.3595
0186	0190	3-D Z-Coord Diff	696.2750	0.0005	13.5990
GROUP: 394036110PT 261					
0339	0340	3-D X-Coord Diff	232.0230	0.0003	-0.0047
0339	0340	3-D Y-Coord Diff	411.2970	0.0005	-0.0134
0339	0340	3-D Z-Coord Diff	707.1700	0.0003	-0.0216
GROUP: 390236110PT 262					
0339	0702	3-D X-Coord Diff	2797.3370	0.0005	-21.0381
0339	0702	3-D Y-Coord Diff	-1560.3340	0.0008	-86.5627
0339	0702	3-D Z-Coord Diff	-596.3500	0.0005	27.5241
GROUP: 400236110PT 263					
0340	0702	3-D X-Coord Diff	2565.3140	0.0005	-21.0334

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F[illegible]Q:

	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0340	0702	3-D Y-Coord Diff	-1971.6300	0.0007	-86.5502
[illegible]340	0702	3-D Z-Coord Diff	-1303.5210	0.0004	27.5467
[illegible]ROUP: 393636120PT 264					
0339	0336	3-D X-Coord Diff	-4617.8340	0.0004	40.2741
[illegible]339	0336	3-D Y-Coord Diff	1409.1990	0.0006	15.3359
[illegible]339	0336	3-D Z-Coord Diff	-663.7550	0.0004	-4.3360
GROUP: 390436120PT 265					
0339	0804	3-D X-Coord Diff	-1314.5040	0.0004	-0.0392
[illegible]339	0804	3-D Z-Coord Diff	725.2490	0.0004	-0.0216
[illegible]ROUP: 390536120PT 266					
0339	0805	3-D X-Coord Diff	-1478.1870	0.0004	-0.0336
[illegible]339	0805	3-D Y-Coord Diff	638.8640	0.0005	0.0125
[illegible]ROUP: 360436120PT 267					
0336	0804	3-D X-Coord Diff	3303.3290	0.0003	-40.3123
[illegible]336	0804	3-D Y-Coord Diff	-353.9390	0.0005	-15.3346
[illegible]336	0804	3-D Z-Coord Diff	1389.0050	0.0003	4.3134
GROUP: 360536120PT 268					
0336	0805	3-D X-Coord Diff	3139.6480	0.0003	-40.3087
[illegible]336	0805	3-D Y-Coord Diff	-770.3330	0.0004	-15.3254
0336	0805	3-D Z-Coord Diff	713.9350	0.0003	4.3352
G[illegible]P: 040536120PT 269					
[illegible]	0805	3-D X-Coord Diff	-163.6810	0.0003	0.0037
4	0805	3-D Y-Coord Diff	-416.3950	0.0004	0.0102
0804	0805	3-D Z-Coord Diff	-675.0700	0.0003	0.0218
[illegible]ROUP: 052136150PT 270					
[illegible]805	0021	3-D X-Coord Diff	2223.4740	0.0005	60.5162
0805	0021	3-D Y-Coord Diff	-1475.7740	0.0009	-49.8502
0805	0021	3-D Z-Coord Diff	-682.9140	0.0005	19.2900
[illegible]ROUP: 050736150PT 271					
[illegible]805	0707	3-D X-Coord Diff	-1172.6220	0.0007	0.0217
0805	0707	3-D Y-Coord Diff	-2178.2030	0.0014	0.0705
[illegible]805	0707	3-D Z-Coord Diff	-3676.5430	0.0007	0.1114
[illegible]ROUP: 050836150PT 272					
0805	0708	3-D X-Coord Diff	-2341.5990	0.0007	-0.0082
[illegible]805	0708	3-D Y-Coord Diff	-1476.7830	0.0015	0.0761
[illegible]805	0708	3-D Z-Coord Diff	-3378.2160	0.0008	0.1017
GROUP: 210736150PT 273					
0021	0707	3-D X-Coord Diff	-3396.0940	0.0006	-60.4966
[illegible]021	0707	3-D Y-Coord Diff	-702.4260	0.0013	49.9178
[illegible]021	0707	3-D Z-Coord Diff	-2993.6310	0.0006	-19.1766
GROUP: 210836150PT 274					
[illegible]021	0708	3-D X-Coord Diff	-4565.0720	0.0007	-60.5255
[illegible]021	0708	3-D Y-Coord Diff	-1.0090	0.0015	49.9263
0021	0708	3-D Z-Coord Diff	-2695.3040	0.0007	-19.1863
GROUP: 070836150PT 275					
[illegible]707	0708	3-D X-Coord Diff	-1168.9780	0.0005	-0.0289

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F "MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0707	0708	3-D Z-Coord Diff	298.3270	0.0005	-0.0097
GROUP: 070336130PT 276					
0707	0703	3-D X-Coord Diff	4783.4400	0.0005	0.1013
0707	0703	3-D Y-Coord Diff	-1687.9920	0.0007	-0.0477
0707	0703	3-D Z-Coord Diff	318.4590	0.0008	-0.0092
GROUP: 070436130PT 277					
0707	0704	3-D X-Coord Diff	4276.2030	0.0006	0.1075
0707	0704	3-D Y-Coord Diff	-2445.4600	0.0007	-0.0213
0707	0704	3-D Z-Coord Diff	-1027.4470	0.0008	0.0315
GROUP: 070536130PT 278					
0707	0705	3-D X-Coord Diff	1796.0890	0.0004	60.5167
0707	0705	3-D Y-Coord Diff	-1477.4080	0.0006	-49.8067
0707	0705	3-D Z-Coord Diff	-1008.5960	0.0006	19.1910
GROUP: 030436130PT 279					
0703	0704	3-D X-Coord Diff	-507.2360	0.0004	0.0052
0703	0704	3-D Y-Coord Diff	-757.4660	0.0005	0.0244
0703	0704	3-D Z-Coord Diff	-1345.9100	0.0005	0.0446
GROUP: 030536130PT 280					
0703	0705	3-D X-Coord Diff	-2987.3510	0.0003	60.4154
0703	0705	3-D Y-Coord Diff	210.5830	0.0004	-49.7580
0703	0705	3-D Z-Coord Diff	-1327.0540	0.0006	19.1992
GROUP: 040536130PT 281					
0704	0705	3-D X-Coord Diff	-2480.1130	0.0005	60.408[illegible]
0704	0705	3-D Y-Coord Diff	968.0520	0.0007	-49.7854
0704	0705	3-D Z-Coord Diff	18.8500	0.0007	19.1605
GROUP: 083436140PT 282					
0708	0334	3-D X-Coord Diff	-5299.7880	0.0005	40.2047
0708	0334	3-D Y-Coord Diff	4066.5030	0.0012	15.2685
0708	0334	3-D Z-Coord Diff	2638.9540	0.0006	-4.4415
GROUP: 081136140PT 283					
0708	0711	3-D X-Coord Diff	-5651.2980	0.0006	-10.8506
0708	0711	3-D Y-Coord Diff	888.7670	0.0012	-66.0702
0708	0711	3-D Z-Coord Diff	-1898.1630	0.0007	-2.7488
GROUP: 081236140PT 284					
0708	0712	3-D X-Coord Diff	-6086.2340	0.0005	-0.1349
0708	0712	3-D Y-Coord Diff	2452.0910	0.0011	0.0552
GROUP: 341136140PT 285					
0334	0711	3-D X-Coord Diff	-351.5170	0.0004	-51.0483
0334	0711	3-D Y-Coord Diff	-3177.7480	0.0008	-81.3267
0334	0711	3-D Z-Coord Diff	-4537.1070	0.0004	1.6828
GROUP: 341236140PT 286					
0334	0712	3-D X-Coord Diff	-786.4490	0.0003	-40.3366
0334	0712	3-D Y-Coord Diff	-1614.4160	0.0007	-15.2092
0334	0712	3-D Z-Coord Diff	-2669.0030	0.0003	4.4388
GROUP: 111236140PT 287					
0711	0712	3-D X-Coord Diff	-434.9330	0.0004	10.7127

F[illegible]R:

[illegible]	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0711	0712	3-D Y-Coord Diff	1563.3300	0.0008	66.1195
[illegible]711	0712	3-D Z-Coord Diff	1868.1050	0.0004	2.7552
[illegible]ROUP: 051905200PT 288					
0519	0520	3-D X-Coord Diff	338.2490	0.0006	-0.0092
[illegible]519	0520	3-D Y-Coord Diff	832.3490	0.0008	-0.0248
[illegible]519	0520	3-D Z-Coord Diff	1344.7060	0.0007	-0.0399
GROUP: 051905220PT 289					
0519	0522	3-D X-Coord Diff	3429.1930	0.0009	-59.8255
[illegible]519	0522	3-D Y-Coord Diff	82.1870	0.0012	-58.3721
[illegible]519	0522	3-D Z-Coord Diff	2042.5540	0.0010	50.6292
GROUP: 052005220PT 290					
[illegible]520	0522	3-D X-Coord Diff	3090.9430	0.0009	-59.8153
[illegible]520	0522	3-D Y-Coord Diff	-750.1610	0.0012	-58.3483
0520	0522	3-D Z-Coord Diff	697.8480	0.0010	50.6691
[illegible]ROUP: 052205230PT 291					
[illegible]522	0523	3-D X-Coord Diff	317.6990	0.0007	74.6311
0522	0523	3-D Y-Coord Diff	856.4080	0.0008	42.2174
0522	0523	3-D Z-Coord Diff	1383.1780	0.0007	-51.1286
[illegible]ROUP: 051903440PT 292					
[illegible]519	0344	3-D X-Coord Diff	-2465.7290	0.0008	-0.0409
05[illegible]	0344	3-D Y-Coord Diff	520.2420	0.0012	0.0425
[illegible]	0344	3-D Z-Coord Diff	-682.9830	0.0007	0.0166
[illegible]JP: 051909010PT 293					
0519	0901	3-D X-Coord Diff	-4550.1780	0.0009	-0.1005
[illegible]519	0901	3-D Y-Coord Diff	1830.5760	0.0014	0.0407
[illegible]ROUP: 034209010PT 294					
[illegible]342	0901	3-D X-Coord Diff	1671.0630	0.0006	0.0253
0342	0901	3-D Y-Coord Diff	-145.0750	0.0009	-0.0315
[illegible]342	0901	3-D Z-Coord Diff	739.5940	0.0007	-0.0210
[illegible]ROUP: 034409010PT 295					
0344	0901	3-D X-Coord Diff	-2084.4500	0.0008	-0.0585
[illegible]344	0901	3-D Z-Coord Diff	653.3590	0.0008	-0.0145
[illegible]ROUP: 034207020PT 296					
0342	0702	3-D X-Coord Diff	-1831.2900	0.0005	-0.0243
0342	0702	3-D Y-Coord Diff	-158.4530	0.0009	0.0370
[illegible]342	0702	3-D Z-Coord Diff	-1267.5940	0.0011	0.0388
[illegible]ROUP: 034209020PT 297					
0342	0902	3-D Y-Coord Diff	432.8580	0.0008	-0.0114
[illegible]342	0902	3-D Z-Coord Diff	702.0760	0.0010	-0.0208
[illegible]ROUP: 070209030PT 298					
0702	0903	3-D X-Coord Diff	-231.1660	0.0007	-0.0276
[illegible]702	0903	3-D Y-Coord Diff	1515.4790	0.0011	-0.0270
[illegible]702	0903	3-D Z-Coord Diff	1995.5680	0.0014	-0.0637
GROUP: 090209030PT 299					
[illegible]902	0903	3-D X-Coord Diff	-2240.2120	0.0006	-0.0522
[illegible]902	0903	3-D Y-Coord Diff	924.1710	0.0010	0.0184

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 030603070PT 300					
0306	0307	3-D X-Coord Diff	-2013.6500	0.0005	-0.0448
0306	0307	3-D Y-Coord Diff	795.8140	0.0012	0.0179
GROUP: 030603080PT 301					
0306	0308	3-D X-Coord Diff	-2997.5800	0.0005	57.7550
0306	0308	3-D Y-Coord Diff	721.2790	0.0014	140.7624
0306	0308	3-D Z-Coord Diff	-707.5550	0.0005	1.2082
GROUP: 030603400PT 302					
0306	0340	3-D X-Coord Diff	-420.3260	0.0004	17.4553
0306	0340	3-D Y-Coord Diff	-1287.5360	0.0012	125.5035
0306	0340	3-D Z-Coord Diff	-2056.8720	0.0004	5.5874
GROUP: 030703080PT 303					
0307	0308	3-D X-Coord Diff	-983.9270	0.0005	57.7968
0307	0308	3-D Y-Coord Diff	-74.5300	0.0013	140.7395
0307	0308	3-D Z-Coord Diff	-666.6070	0.0004	1.2120
GROUP: 030703400PT 304					
0307	0340	3-D X-Coord Diff	1593.3240	0.0004	17.5001
0307	0340	3-D Y-Coord Diff	-2083.3510	0.0010	125.4866
0307	0340	3-D Z-Coord Diff	-2015.9190	0.0004	5.5862
GROUP: 030803400PT 305					
0308	0340	3-D X-Coord Diff	2577.2520	0.0005	-40.2977
0308	0340	3-D Y-Coord Diff	-2008.8220	0.0014	-15.251[illegible]
0[illegible]3	0340	3-D Z-Coord Diff	-1349.3130	0.0005	4.375[illegible]
GROUP: 031736510PT 306					
0303	0517	3-D X-Coord Diff	5048.5750	0.0005	0.0852
0303	0517	3-D Y-Coord Diff	-600.0420	0.0007	-0.0783
0303	0517	3-D Z-Coord Diff	2026.4890	0.0007	-0.0598
GROUP: 032336510PT 307					
0303	0523	3-D X-Coord Diff	8010.1850	0.0007	0.1506
0303	0523	3-D Y-Coord Diff	-1764.6310	0.0009	-0.1054
0303	0523	3-D Z-Coord Diff	2062.1370	0.0009	-0.0614
GROUP: 030236510PT 308					
0303	0902	3-D X-Coord Diff	-1780.2020	0.0004	-14.7705
0303	0902	3-D Y-Coord Diff	-294.7160	0.0006	16.1091
0303	0902	3-D Z-Coord Diff	-1430.7270	0.0005	0.4304
GROUP: 172336510PT 309					
0517	0523	3-D X-Coord Diff	2961.6090	0.0006	0.0665
0517	0523	3-D Y-Coord Diff	-1164.5890	0.0007	-0.0270
GROUP: 030136520PT 310					
0303	0301	3-D X-Coord Diff	1860.3760	0.0003	66.8222
0303	0301	3-D Y-Coord Diff	194.6900	0.0006	52.7471
0303	0301	3-D Z-Coord Diff	1330.1760	0.0004	-7.8990
GROUP: 030236520PT 311					
0303	0302	3-D X-Coord Diff	197.9010	0.0004	-0.0042
0303	0302	3-D Y-Coord Diff	382.4830	0.0006	-0.0127
0303	0302	3-D Z-Coord Diff	653.0820	0.0004	-0.0187

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T	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 031636520PT 312					
303	0516	3-D X-Coord Diff	5229.8970	0.0004	0.0810
303	0516	3-D Y-Coord Diff	-198.7350	0.0007	-0.0903
0303	0516	3-D Z-Coord Diff	2698.3350	0.0005	-0.0798
GROUP: 010236520PT 313					
301	0302	3-D X-Coord Diff	-1662.4740	0.0003	-66.8274
0301	0302	3-D Y-Coord Diff	187.7930	0.0006	-52.7598
0301	0302	3-D Z-Coord Diff	-677.0920	0.0004	7.8784
ROUP: 011636520PT 314					
301	0516	3-D X-Coord Diff	3369.5210	0.0003	-66.7412
0301	0516	3-D Y-Coord Diff	-393.4260	0.0005	-52.8365
301	0516	3-D Z-Coord Diff	1368.1600	0.0003	7.8182
ROUP: 021636520PT 315					
0302	0516	3-D X-Coord Diff	5031.9960	0.0004	0.0852
0302	0516	3-D Y-Coord Diff	-581.2200	0.0007	-0.0757
302	0516	3-D Z-Coord Diff	2045.2530	0.0005	-0.0611
ROUP: 020436530PT 316					
0302	0304	3-D X-Coord Diff	-1646.4230	0.0003	-0.0286
302	0304	3-D Y-Coord Diff	184.6700	0.0004	0.0253
302	0304	3-D Z-Coord Diff	-671.6930	0.0006	0.0194
GR[illegible]P: 020636530PT 317					
[illegible]	0306	3-D X-Coord Diff	-6132.1300	0.0004	-11.2198
2	0306	3-D Y-Coord Diff	1990.6490	0.0006	-22.7760
0302	0306	3-D Z-Coord Diff	-693.0930	0.0008	-32.6185
GROUP: 020336530PT 318					
302	0903	3-D X-Coord Diff	-4218.3180	0.0004	-14.8155
0302	0903	3-D Y-Coord Diff	246.9790	0.0006	16.1332
0302	0903	3-D Z-Coord Diff	-2057.9130	0.0007	0.4468
ROUP: 040636530PT 319					
304	0306	3-D X-Coord Diff	-4485.7060	0.0004	-11.1923
0304	0306	3-D Y-Coord Diff	1805.9790	0.0006	-22.8013
304	0306	3-D Z-Coord Diff	-21.3990	0.0008	-32.6390
ROUP: 040336530PT 320					
0304	0903	3-D X-Coord Diff	-2571.8950	0.0003	-14.7869
0304	0903	3-D Y-Coord Diff	62.3100	0.0005	16.1069
304	0903	3-D Z-Coord Diff	-1386.2190	0.0007	0.4264
ROUP: 060336530PT 321					
0306	0903	3-D X-Coord Diff	1913.8110	0.0003	-3.5947
306	0903	3-D Y-Coord Diff	-1743.6700	0.0005	38.9092
306	0903	3-D Z-Coord Diff	-1364.8200	0.0006	33.0654
GROUP: 081400210PT 322					
0508	0514	3-D X-Coord Diff	-6152.8130	0.0003	-0.1282
508	0514	3-D Y-Coord Diff	1973.6120	0.0004	0.0662
508	0514	3-D Z-Coord Diff	-689.0990	0.0003	0.0198
GROUP: 082300210PT 323					
508	0523	3-D X-Coord Diff	-6690.2600	0.0004	27.2360

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AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0508	0523	3-D Y-Coord Diff	778.2950	0.0005	-10.2407
0508	0523	3-D Z-Coord Diff	-2688.2490	0.0004	-12.7691
GROUP: 082700210PT 324					
0508	0527	3-D X-Coord Diff	-3325.9860	0.0003	-0.0562
0508	0527	3-D Y-Coord Diff	379.1880	0.0005	0.0507
0508	0527	3-D Z-Coord Diff	-1343.9690	0.0004	0.0398
GROUP: 142300210PT 325					
0514	0523	3-D X-Coord Diff	-537.4470	0.0004	27.3642
0514	0523	3-D Y-Coord Diff	-1195.3170	0.0006	-10.3069
0514	0523	3-D Z-Coord Diff	-1999.1500	0.0004	-12.7890
GROUP: 142700210PT 326					
0514	0527	3-D X-Coord Diff	2826.8280	0.0004	0.0710
0514	0527	3-D Y-Coord Diff	-1594.4230	0.0006	-0.0165
0514	0527	3-D Z-Coord Diff	-654.8690	0.0004	0.0187
GROUP: 232700210PT 327					
0523	0527	3-D X-Coord Diff	3364.2750	0.0005	-27.2932
0523	0527	3-D Y-Coord Diff	-399.1070	0.0007	10.2914
0523	0527	3-D Z-Coord Diff	1344.2800	0.0005	12.8087
GROUP: 080400220PT 328					
0508	0504	3-D X-Coord Diff	3477.4980	0.0003	0.0519
0508	0504	3-D Y-Coord Diff	31.8160	0.0006	-0.0635
0508	0504	3-D Z-Coord Diff	2021.9640	0.0006	-0.060
(UP: 080500220PT 329					
0508	0505	3-D X-Coord Diff	3315.1370	0.0004	0.0567
0508	0505	3-D Y-Coord Diff	-374.4680	0.0007	-0.0513
0508	0505	3-D Z-Coord Diff	1345.0700	0.0007	-0.0407
GROUP: 083100220PT 330					
0508	0531	3-D X-Coord Diff	2808.7470	0.0003	0.0622
0508	0531	3-D Y-Coord Diff	-1129.4820	0.0006	-0.0248
GROUP: 040500220PT 331					
0504	0505	3-D X-Coord Diff	-162.3620	0.0003	0.0058
0504	0505	3-D Y-Coord Diff	-406.2860	0.0006	0.0142
0504	0505	3-D Z-Coord Diff	-676.8940	0.0006	0.0199
GROUP: 043100220PT 332					
0504	0531	3-D X-Coord Diff	-668.7510	0.0003	0.0102
0504	0531	3-D Y-Coord Diff	-1161.2960	0.0007	0.0367
0504	0531	3-D Z-Coord Diff	-2017.3710	0.0006	0.0621
GROUP: 053100220PT 333					
0505	0531	3-D X-Coord Diff	-506.3940	0.0004	0.0095
0505	0531	3-D Y-Coord Diff	-755.0180	0.0007	0.0304
0505	0531	3-D Z-Coord Diff	-1340.4700	0.0007	0.0352
GROUP: 312900230PT 334					
0531	0529	3-D X-Coord Diff	-770.9090	0.0003	25.4663
0531	0529	3-D Y-Coord Diff	-198.8610	0.0009	34.3721
0531	0529	3-D Z-Coord Diff	-710.2240	0.0003	-33.6053
GROUP: 313000230PT 335					

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0531	0530	3-D X-Coord Diff	-183.5260	0.0004	0.0137
0531	0530	3-D Y-Coord Diff	-892.7260	0.0011	0.0229
0531	0530	3-D Z-Coord Diff	-1320.5180	0.0004	0.0398
GROUP: 293000230PT 336					
0529	0530	3-D X-Coord Diff	587.3830	0.0004	-25.4526
0529	0530	3-D Y-Coord Diff	-693.8660	0.0010	-34.3482
0529	0530	3-D Z-Coord Diff	-610.2930	0.0004	33.6439
GROUP: 222500240PT 337					
0522	0525	3-D X-Coord Diff	3176.1210	0.0005	0.0612
0522	0525	3-D Y-Coord Diff	-788.0970	0.0008	-0.0399
0522	0525	3-D Z-Coord Diff	715.4060	0.0007	-0.0217
GROUP: 252600240PT 338					
0525	0526	3-D X-Coord Diff	176.8370	0.0004	72.7970
0525	0526	3-D Y-Coord Diff	420.6630	0.0006	86.9546
0525	0526	3-D Z-Coord Diff	669.7760	0.0005	-71.8852
GROUP: 131400310PT 339					
0513	0514	3-D X-Coord Diff	-164.7860	0.0005	-94.0477
0513	0514	3-D Y-Coord Diff	-409.4850	0.0006	-42.3537
0513	0514	3-D Z-Coord Diff	-672.3220	0.0006	20.6508
GROUP: 131500310PT 340					
0513	0515	3-D X-Coord Diff	-1659.1300	0.0005	-77.9001
0513	0515	3-D Y-Coord Diff	186.5860	0.0006	-21.7625
0513	0515	3-D Z-Coord Diff	-681.4690	0.0006	2.0287
GROUP: 131600310PT 341					
0513	0516	3-D X-Coord Diff	-3482.5120	0.0006	-66.7621
0513	0516	3-D Y-Coord Diff	-38.9260	0.0007	-52.6256
0513	0516	3-D Z-Coord Diff	-2035.2690	0.0007	7.8384
GROUP: 141500310PT 342					
0514	0515	3-D X-Coord Diff	-1494.3440	0.0005	16.1476
0514	0515	3-D Y-Coord Diff	596.0720	0.0006	20.5902
0514	0515	3-D Z-Coord Diff	-9.1460	0.0006	-18.6231
GROUP: 141600310PT 343					
0514	0516	3-D X-Coord Diff	-3317.7260	0.0006	27.2856
0514	0516	3-D Y-Coord Diff	370.5600	0.0007	-10.2729
0514	0516	3-D Z-Coord Diff	-1362.9470	0.0007	-12.8124
GROUP: 151600310PT 344					
0515	0516	3-D X-Coord Diff	-1823.3810	0.0005	11.1370
0515	0516	3-D Y-Coord Diff	-225.5120	0.0007	-30.8631
0515	0516	3-D Z-Coord Diff	-1353.8020	0.0006	5.8117
GROUP: 130400320PT 345					
0513	0504	3-D X-Coord Diff	9465.5370	0.0010	-93.8796
0513	0504	3-D Y-Coord Diff	-2351.3010	0.0018	-42.4634
0513	0504	3-D Z-Coord Diff	2038.7520	0.0012	20.5594
GROUP: 130700320PT 346					
0513	0507	3-D X-Coord Diff	6314.3650	0.0007	-77.7487
0513	0507	3-D Y-Coord Diff	-1561.6500	0.0012	-21.8665
0513	0507	3-D Z-Coord Diff	1360.7740	0.0008	1.9679
GROUP: 131100320PT 347					

F MEQ:

0513	0511	3-D X-Coord Diff	2035.1650	0.0005	-77.832
0513	0511	3-D Y-Coord Diff	-524.2930	0.0008	-21.813
0513	0511	3-D Z-Coord Diff	411.0440	0.0005	1.996
GROUP: 040700320PT 348					
0504	0507	3-D X-Coord Diff	-3151.1740	0.0006	16.132
0504	0507	3-D Y-Coord Diff	789.6470	0.0011	20.600
0504	0507	3-D Z-Coord Diff	-677.9740	0.0007	-18.595
GROUP: 041100320PT 349					
0504	0511	3-D X-Coord Diff	-7430.3730	0.0009	16.048
0504	0511	3-D Y-Coord Diff	1827.0080	0.0015	20.649
0504	0511	3-D Z-Coord Diff	-1627.7070	0.0010	-18.564
GROUP: 071100320PT 350					
0507	0511	3-D X-Coord Diff	-4279.2000	0.0006	-0.083
0507	0511	3-D Y-Coord Diff	1037.3600	0.0009	0.049
0507	0511	3-D Z-Coord Diff	-949.7310	0.0006	0.029
GROUP: 040100330PT 351					
0504	0501	3-D X-Coord Diff	3153.5380	0.0004	16.253
0504	0501	3-D Y-Coord Diff	-774.9190	0.0008	20.519
0504	0501	3-D Z-Coord Diff	670.1390	0.0009	-18.631
GROUP: 040200330PT 352					
0504	0502	3-D X-Coord Diff	1570.5150	0.0003	16.217
0504	0502	3-D Y-Coord Diff	-127.4720	0.0005	20.532
0504	0502	3-D Z-Coord Diff	750.0090	0.0006	-18.633
GROUP: 043300330PT 353					
4	0533	3-D X-Coord Diff	2779.2640	0.0005	16.262
0504	0533	3-D Y-Coord Diff	-1603.9850	0.0009	20.5440
0504	0533	3-D Z-Coord Diff	-666.1560	0.0009	-18.5913
GROUP: 010200330PT 354					
0501	0502	3-D X-Coord Diff	-1583.0220	0.0004	-0.0374
0501	0502	3-D Y-Coord Diff	647.4480	0.0006	0.0122
GROUP: 013300330PT 355					
0501	0533	3-D X-Coord Diff	-374.2730	0.0003	0.0074
0501	0533	3-D Y-Coord Diff	-829.0660	0.0007	0.0248
0501	0533	3-D Z-Coord Diff	-1336.3000	0.0007	0.0453
GROUP: 023300330PT 356					
0502	0533	3-D X-Coord Diff	1208.7490	0.0004	0.0449
0502	0533	3-D Y-Coord Diff	-1476.5120	0.0009	0.0105
0502	0533	3-D Z-Coord Diff	-1416.1660	0.0009	0.0437
GROUP: 331900340PT 357					
0533	0019	3-D X-Coord Diff	-6655.2960	0.0007	77.8997
0533	0019	3-D Y-Coord Diff	349.0120	0.0018	22.0275
0533	0019	3-D Z-Coord Diff	-3256.3010	0.0006	-1.9680
GROUP: 333000340PT 358					
0533	0530	3-D X-Coord Diff	-3631.5460	0.0007	-16.2333
0533	0530	3-D Y-Coord Diff	-450.0520	0.0019	-20.4694
0533	0530	3-D Z-Coord Diff	-2671.7280	0.0006	18.6880
GROUP: 333200340PT 359					
0533	0532	3-D X-Coord Diff	-151.3630	0.0005	0.0049

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.100

FORMEQ:

FT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0533	0532	3-D Z-Coord Diff	-549.3920	0.0004	0.0171
GROUP: 193000340PT 360					
0019	0530	3-D X-Coord Diff	3023.7450	0.0006	-94.1279
0019	0530	3-D Y-Coord Diff	-799.0780	0.0018	-42.4832
0019	0530	3-D Z-Coord Diff	584.5770	0.0006	20.6523
GROUP: 193200340PT 361					
0019	0532	3-D X-Coord Diff	6503.9320	0.0006	-77.8937
0019	0532	3-D Y-Coord Diff	-729.7590	0.0017	-22.0145
0019	0532	3-D Z-Coord Diff	2706.9090	0.0005	1.9851
GROUP: 303200340PT 362					
0530	0532	3-D X-Coord Diff	3480.1810	0.0007	16.2402
0530	0532	3-D Y-Coord Diff	69.3070	0.0017	20.4805
0530	0532	3-D Z-Coord Diff	2122.3370	0.0006	-18.6719
GROUP: 420200910PT 363					
0342	0702	3-D X-Coord Diff	-1831.2990	0.0006	-0.0153
0342	0702	3-D Y-Coord Diff	-158.4640	0.0015	0.0480
0342	0702	3-D Z-Coord Diff	-1267.5850	0.0005	0.0298
GROUP: 919200920PT 364					
0191	0192	3-D X-Coord Diff	311.7840	0.0005	-34.0698
0191	0192	3-D Y-Coord Diff	799.5570	0.0008	8.7314
[illegible]	0192	3-D Z-Coord Diff	1314.8620	0.0006	-6.3733
[illegible]P: 192600930PT 365					
[illegible]9	0526	3-D X-Coord Diff	-3256.4390	0.0007	-68.7787
0019	0526	3-D Y-Coord Diff	777.6290	0.0016	-8.0703
0019	0526	3-D Z-Coord Diff	-785.7460	0.0011	-12.9335
GROUP: 192900930PT 366					
0019	0529	3-D X-Coord Diff	2436.3610	0.0005	-68.6743
0019	0529	3-D Y-Coord Diff	-105.1960	0.0011	-8.1508
0019	0529	3-D Z-Coord Diff	1194.8710	0.0007	-12.9929
GROUP: 020301410PT 367					
0702	0703	3-D X-Coord Diff	-664.7160	0.0005	21.1375
0702	0703	3-D Y-Coord Diff	-1667.0240	0.0012	86.6250
0702	0703	3-D Z-Coord Diff	-2711.5270	0.0005	-27.4496

FORMEQ successfully completed.

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S[illegible]VE:

Solution (Iteration Count = 1):

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0001	LATITUDE	33	22	38.62280	-0.95914	33	22	37.66366
4	0001	LONGITUDE	-112	18	20.53992	1.09621	-112	18	19.44371
4	0001	HEIGHT			297.90000	54.93968			352.83968
4	0015	LATITUDE	33	32	51.19303	-0.95186	33	32	50.24117
4	0015	LONGITUDE	-112	1	14.09723	1.06291	-112	1	13.03432
4	0015	HEIGHT			739.73540	55.09860			794.83400
4	0007	LATITUDE	33	24	59.48767	-0.58662	33	24	58.90105
4	0007	LONGITUDE	-112	52	30.45401	1.46881	-112	52	28.98520
4	0007	HEIGHT			304.67850	60.39444			365.07294
4	0009	LATITUDE	33	31	13.51276	-0.59067	33	31	12.92209
4	0009	LONGITUDE	-112	21	41.97165	1.40568	-112	21	40.56597
4	0009	HEIGHT			279.58090	60.85673			340.43763
4	0019	LATITUDE	33	28	29.86622	-1.03269	33	28	28.83353
4	0019	LONGITUDE	-111	45	4.48406	0.36610	-111	45	4.11796
4	0019	HEIGHT			338.72180	72.49154			411.21334
	0021	LATITUDE	33	24	25.27749	-1.03544	33	24	24.242[illegible]
4	0021	LONGITUDE	-111	58	0.17626	0.39478	-111	57	59.78148
4	0021	HEIGHT			341.79220	72.49651			414.28871
4	0005	LATITUDE	33	18	23.35108	1.03148	33	18	24.38256
4	0005	LONGITUDE	-112	44	7.64370	4.51400	-112	44	3.12970
4	0005	HEIGHT			415.47010	-22.66763			392.80247
4	0301	LATITUDE	33	27	31.75567	-1.03194	33	27	30.72373
4	0301	LONGITUDE	-111	53	28.77954	0.38600	-111	53	28.39354
4	0301	HEIGHT			291.26640	72.47688			363.74328
4	0513	LATITUDE	33	29	43.67163	-1.02972	33	29	42.64191
4	0513	LONGITUDE	-111	49	17.36671	0.37873	-111	49	16.98798
4	0513	HEIGHT			315.48390	72.32600			387.80990
4	0705	LATITUDE	33	21	50.01595	-1.03605	33	21	48.97990
4	0705	LONGITUDE	-111	58	26.03155	0.39617	-111	58	25.63538
4	0705	HEIGHT			327.18580	72.60678			399.79258
4	0326	LATITUDE	33	22	38.00357	0.31450	33	22	38.31807
4	0326	LONGITUDE	-112	12	9.02706	2.72861	-112	12	6.29845
4	0326	HEIGHT			253.22280	49.56143			302.78423

ST

ODE	IDENT.	TYPE	INITIAL			DX	UPDATED		
4	0711	LATITUDE	33	21	25.73405	0.30690	33	21	26.04095
4	0711	LONGITUDE	-112	4	21.78490	2.72423	-112	4	19.06067
4	0711	HEIGHT			348.37230	49.67685			398.04915
4	0192	LATITUDE	33	24	22.81141	0.32821	33	24	23.13962
4	0192	LONGITUDE	-112	16	20.36007	2.72861	-112	16	17.63146
4	0192	HEIGHT			250.94920	48.89295			299.84215
4	0129	LATITUDE	33	20	53.45793	1.03407	33	20	54.49200
4	0129	LONGITUDE	-112	42	44.43757	4.51234	-112	42	39.92523
4	0129	HEIGHT			275.83150	-22.47198			253.35952
4	0141	LATITUDE	33	14	52.81198	1.02427	33	14	53.83625
4	0141	LONGITUDE	-112	48	26.15336	4.51451	-112	48	21.63885
4	0141	HEIGHT			267.25000	-22.81081			244.43919
4	0161	LATITUDE	33	19	9.26635	1.02472	33	19	10.29107
4	0161	LONGITUDE	-112	36	31.37191	4.50344	-112	36	26.86847
4	0161	HEIGHT			287.04870	-22.17065			264.87805
	0172	LATITUDE	33	20	27.22153	1.04342	33	20	28.26495
	0172	LONGITUDE	-112	28	13.30013	4.48123	-112	28	8.81890
	0172	HEIGHT			304.26080	-22.13466			282.12614
4	0148	LATITUDE	33	17	4.42984	-0.57737	33	17	3.85247
4	0148	LONGITUDE	-112	44	44.62395	2.80450	-112	44	41.81945
4	0148	HEIGHT			215.82940	24.44326			240.27266
4	0150	LATITUDE	33	18	18.75556	-0.57576	33	18	18.17980
4	0150	LONGITUDE	-112	43	51.82134	2.80368	-112	43	49.01766
4	0150	HEIGHT			215.75910	24.45324			240.21234
4	0153	LATITUDE	33	19	36.15751	-0.57417	33	19	35.58334
4	0153	LONGITUDE	-112	42	40.32939	2.80225	-112	42	37.52714
4	0153	HEIGHT			220.79400	24.46225			245.25625
4	0136	LATITUDE	33	18	15.97864	0.40010	33	18	16.37874
4	0136	LONGITUDE	-112	47	33.97168	1.43077	-112	47	32.54091
4	0136	HEIGHT			274.40000	-32.35890			242.04110
4	0137	LATITUDE	33	17	9.81386	0.39795	33	17	10.21181
4	0137	LONGITUDE	-112	48	32.49621	1.43152	-112	48	31.06469
4	0137	HEIGHT			272.77360	-32.37187			240.40173
4	0140	LATITUDE	33	15	50.04059	0.39507	33	15	50.43566
4	0140	LONGITUDE	-112	48	1.56394	1.43066	-112	48	0.13328

S ation:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0140	HEIGHT			269.56130	-32.37846			237.18284
4	0132	LATITUDE	33	19	32.99848	-0.57280	33	19	32.42568
4	0132	LONGITUDE	-112	45	49.58575	2.80781	-112	45	46.77794
4	0132	HEIGHT			218.55360	24.42324			242.97684
4	0133	LATITUDE	33	19	35.75094	-0.57276	33	19	35.17818
4	0133	LONGITUDE	-112	46	51.89738	2.80976	-112	46	49.08762
4	0133	HEIGHT			227.55680	24.39388			251.95068
4	0123	LATITUDE	33	22	12.79181	-0.57163	33	22	12.22018
4	0123	LONGITUDE	-112	38	32.27946	2.79689	-112	38	29.48257
4	0123	HEIGHT			242.34870	24.51952			266.86822
4	0124	LATITUDE	33	21	46.53864	-0.57189	33	21	45.96675
4	0124	LONGITUDE	-112	39	35.94564	2.79840	-112	39	33.14724
4	0124	HEIGHT			237.36760	24.49708			261.86468
4	0142	LATITUDE	33	14	42.12402	0.39248	33	14	42.51650
4	0142	LONGITUDE	-112	47	13.43063	1.42958	-112	47	12.00105
4	0142	HEIGHT			264.30390	-32.37193			231.93197
	0119	LATITUDE	33	22	39.19965	-0.57305	33	22	38.626[illegible]
4	0119	LONGITUDE	-112	33	52.44377	2.78831	-112	33	49.65546
4	0119	HEIGHT			241.39350	24.65879			266.05229
4	0164	LATITUDE	33	20	55.16518	-0.57461	33	20	54.59057
4	0164	LONGITUDE	-112	36	29.20011	2.79256	-112	36	26.40755
4	0164	HEIGHT			227.40350	24.58418			251.98768
4	0116	LATITUDE	33	22	12.00231	0.87546	33	22	12.87777
4	0116	LONGITUDE	-112	31	16.15226	2.37125	-112	31	13.78101
4	0116	HEIGHT			239.70000	21.84124			261.54124
4	0120	LATITUDE	33	22	12.68040	0.87626	33	22	13.55666
4	0120	LONGITUDE	-112	34	24.09358	2.37590	-112	34	21.71768
4	0120	HEIGHT			239.65270	21.79696			261.44966
4	0160	LATITUDE	33	18	19.58796	-0.47033	33	18	19.11763
4	0160	LONGITUDE	-112	37	31.53750	2.69900	-112	37	28.83850
4	0160	HEIGHT			239.69200	29.60047			269.29247
4	0125	LATITUDE	33	20	54.15269	-0.47396	33	20	53.67873
4	0125	LONGITUDE	-112	39	35.59077	2.73320	-112	39	32.85757
4	0125	HEIGHT			222.65340	29.51479			252.16819

ST

ODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0126	LATITUDE	33	20	2.91185	-0.47523	33	20	2.43662
4	0126	LONGITUDE	-112	39	35.33372	2.73275	-112	39	32.60097
4	0126	HEIGHT			214.92610	29.52199			244.44809
4	0151	LATITUDE	33	18	19.10386	-0.47722	33	18	18.62664
4	0151	LONGITUDE	-112	42	42.39994	2.73670	-112	42	39.66324
4	0151	HEIGHT			211.75930	29.43393			241.19323
4	0152	LATITUDE	33	18	19.51742	-0.47764	33	18	19.03978
4	0152	LONGITUDE	-112	41	40.35824	2.73505	-112	41	37.62319
4	0152	HEIGHT			219.94720	29.45780			249.40500
4	0144	LATITUDE	33	13	35.92203	0.39016	33	13	36.31219
4	0144	LONGITUDE	-112	46	24.85551	1.42828	-112	46	23.42723
4	0144	HEIGHT			268.49600	-32.38713			236.10887
4	0162	LATITUDE	33	19	37.76668	-0.47689	33	19	37.28979
4	0162	LONGITUDE	-112	35	55.44148	2.72175	-112	35	52.71973
4	0162	HEIGHT			224.24510	29.56767			253.81277
	0163	LATITUDE	33	20	0.98385	-0.47646	33	20	0.50739
	0163	LONGITUDE	-112	35	27.75027	2.72113	-112	35	25.02914
	0163	HEIGHT			225.14710	29.57698			254.72408
4	0145	LATITUDE	33	13	37.97347	0.39013	33	13	38.36360
4	0145	LONGITUDE	-112	45	54.92698	1.42784	-112	45	53.49914
4	0145	HEIGHT			260.12760	-32.38375			227.74385
4	0107	LATITUDE	33	23	30.51327	-0.12755	33	23	30.38572
4	0107	LONGITUDE	-112	25	36.83923	2.97907	-112	25	33.86016
4	0107	HEIGHT			230.90000	39.64362			270.54362
4	0113	LATITUDE	33	22	13.06471	-0.12822	33	22	12.93649
4	0113	LONGITUDE	-112	28	41.09631	2.98393	-112	28	38.11238
4	0113	HEIGHT			228.23710	39.59078			267.82788
4	0146	LATITUDE	33	14	24.89979	0.39187	33	14	25.29166
4	0146	LONGITUDE	-112	45	38.59087	1.42762	-112	45	37.16325
4	0146	HEIGHT			265.29740	-32.39110			232.90630
4	0112	LATITUDE	33	23	31.40656	-0.12665	33	23	31.27991
4	0112	LONGITUDE	-112	28	44.04567	2.98424	-112	28	41.06143
4	0112	HEIGHT			228.38600	39.59257			267.97857
4	0111	LATITUDE	33	23	56.31996	-0.12584	33	23	56.19412
4	0111	LONGITUDE	-112	28	44.06028	2.98478	-112	28	41.07550

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S ation:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0111	HEIGHT			233.35640	39.56894			272.92534
4	0115	LATITUDE	33	23	31.53845	-0.12582	33	23	31.41263
4	0115	LONGITUDE	-112	30	15.58345	2.98729	-112	30	12.59616
4	0115	HEIGHT			230.47650	39.53728			270.01378
4	0117	LATITUDE	33	23	5.62131	-0.12563	33	23	5.49568
4	0117	LONGITUDE	-112	32	19.71604	2.99073	-112	32	16.72531
4	0117	HEIGHT			227.60880	39.50122			267.11002
4	0169	LATITUDE	33	20	46.40763	-0.12987	33	20	46.27776
4	0169	LONGITUDE	-112	31	17.59792	2.98912	-112	31	14.60880
4	0169	HEIGHT			221.38920	39.51971			260.90891
4	0173	LATITUDE	33	20	54.47183	-0.13117	33	20	54.34066
4	0173	LONGITUDE	-112	28	11.95155	2.98372	-112	28	8.96783
4	0173	HEIGHT			239.11340	39.58737			278.70077
4	0108	LATITUDE	33	24	24.48350	-0.88616	33	24	23.59734
4	0108	LONGITUDE	-112	26	39.65459	3.31904	-112	26	36.33555
4	0108	HEIGHT			255.64770	18.41668			274.06438
	0147	LATITUDE	33	15	44.41304	0.39412	33	15	44.807[illegible]
4	0147	LONGITUDE	-112	45	45.20680	1.42873	-112	45	43.77807
4	0147	HEIGHT			263.69800	-32.35049			231.34751
4	0702	LATITUDE	33	24	27.05347	-0.10558	33	24	26.94789
4	0702	LONGITUDE	-111	56	38.45326	2.78890	-111	56	35.66436
4	0702	HEIGHT			339.87100	14.07481			353.94581
4	0902	LATITUDE	33	25	43.63284	-0.10371	33	25	43.52913
4	0902	LONGITUDE	-111	55	34.87421	2.78791	-111	55	32.08630
4	0902	HEIGHT			340.41480	14.09844			354.51324
4	0178	LATITUDE	33	21	46.68003	-0.89044	33	21	45.78959
4	0178	LONGITUDE	-112	25	33.47732	3.31533	-112	25	30.16199
4	0178	HEIGHT			273.10150	18.48631			291.58781
4	0176	LATITUDE	33	21	46.77133	-0.89045	33	21	45.88088
4	0176	LONGITUDE	-112	26	4.71551	3.31639	-112	26	1.39912
4	0176	HEIGHT			269.09960	18.45265			287.55225
4	0519	LATITUDE	33	25	45.78151	-0.10517	33	25	45.67634
4	0519	LONGITUDE	-111	51	23.04948	2.78202	-111	51	20.26746
4	0519	HEIGHT			362.00000	14.15499			376.15499

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

6378206.400 E= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0342	LATITUDE	33	25	16.24893	-0.10455	33	25	16.14438
4	0342	LONGITUDE	-111	55	35.00066	2.78778	-111	55	32.21288
4	0342	HEIGHT			344.21540	14.08905			358.30445
4	0903	LATITUDE	33	25	44.69615	-0.10295	33	25	44.59320
4	0903	LONGITUDE	-111	57	8.67486	2.79015	-111	57	5.88471
4	0903	HEIGHT			337.78840	14.07384			351.86224
4	0168	LATITUDE	33	20	3.29118	-0.89114	33	20	2.40004
4	0168	LONGITUDE	-112	31	18.90736	3.32446	-112	31	15.58290
4	0168	HEIGHT			255.23720	18.34432			273.58152
4	0134	LATITUDE	33	19	12.65377	0.40209	33	19	13.05586
4	0134	LONGITUDE	-112	47	34.70951	1.43101	-112	47	33.27850
4	0134	HEIGHT			277.16540	-32.35593			244.80947
4	0526	LATITUDE	33	27	58.95985	-0.09143	33	27	58.86842
4	0526	LONGITUDE	-111	47	15.12561	2.72481	-111	47	12.40080
4	0526	HEIGHT			330.80200	52.07989			382.88189
	0529	LATITUDE	33	29	15.67821	-0.09077	33	29	15.58744
	0529	LONGITUDE	-111	43	37.67785	2.71904	-111	43	34.95881
	0529	HEIGHT			347.10480	52.13844			399.24324
4	0102	LATITUDE	33	24	47.70802	0.22151	33	24	47.92953
4	0102	LONGITUDE	-112	19	24.90316	2.86350	-112	19	22.03966
4	0102	HEIGHT			232.10000	56.91418			289.01418
4	0104	LATITUDE	33	24	49.18362	0.22273	33	24	49.40635
4	0104	LONGITUDE	-112	22	30.56473	2.86920	-112	22	27.69553
4	0104	HEIGHT			229.63830	56.85790			286.49620
4	0193	LATITUDE	33	24	49.04571	0.22077	33	24	49.26648
4	0193	LONGITUDE	-112	17	22.32499	2.85981	-112	17	19.46518
4	0193	HEIGHT			236.72030	56.95086			293.67116
4	0522	LATITUDE	33	27	5.28777	-0.10964	33	27	5.17813
4	0522	LONGITUDE	-111	49	22.31859	4.09279	-111	49	18.22580
4	0522	HEIGHT			451.10000	-77.48421			373.61579
4	0180	LATITUDE	33	22	51.32059	0.06967	33	22	51.39026
4	0180	LONGITUDE	-112	22	29.89105	1.39130	-112	22	28.49975
4	0180	HEIGHT			234.73440	49.37109			284.10549
4	0181	LATITUDE	33	23	33.09329	0.07064	33	23	33.16393
4	0181	LONGITUDE	-112	22	29.66890	1.39144	-112	22	28.27746

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S ution:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0181	HEIGHT			231.44970	49.37068			280.82038
4	0184	LATITUDE	33	23	30.25346	0.06998	33	23	30.32344
4	0184	LONGITUDE	-112	19	22.55755	1.38592	-112	19	21.17163
4	0184	HEIGHT			235.29470	49.39602			284.69072
4	0191	LATITUDE	33	23	32.10936	0.06943	33	23	32.17879
4	0191	LONGITUDE	-112	16	18.45048	1.38040	-112	16	17.07008
4	0191	HEIGHT			242.99690	49.41807			292.41497
4	0127	LATITUDE	33	21	20.33160	-0.08127	33	21	20.25033
4	0127	LONGITUDE	-112	40	38.73376	4.16106	-112	40	34.57270
4	0127	HEIGHT			257.93210	1.83635			259.76845
4	0130	LATITUDE	33	20	29.26339	-0.08076	33	20	29.18263
4	0130	LONGITUDE	-112	44	17.28380	4.16530	-112	44	13.11850
4	0130	HEIGHT			280.10600	1.74226			281.84826
4	0156	LATITUDE	33	18	43.71308	1.01072	33	18	44.72380
4	0156	LONGITUDE	-112	39	36.51645	3.41654	-112	39	33.09991
4	0156	HEIGHT			249.25410	0.97630			250.23040
	0523	LATITUDE	33	27	58.89532	0.07727	33	27	58.972[illegible]
4	0523	LONGITUDE	-111	49	21.15063	2.01814	-111	49	19.13249
4	0523	HEIGHT			367.85500	6.54800			374.40300
4	0517	LATITUDE	33	27	57.55887	0.07767	33	27	57.63654
4	0517	LONGITUDE	-111	51	24.38376	2.02108	-111	51	22.36268
4	0517	HEIGHT			365.50300	6.52249			372.02549
4	0344	LATITUDE	33	25	19.49155	-0.10542	33	25	19.38613
4	0344	LONGITUDE	-111	52	59.12222	2.78405	-111	52	56.33817
4	0344	HEIGHT			349.38010	14.13854			363.51864
4	0185	LATITUDE	33	22	15.36448	-3.73860	33	22	11.62588
4	0185	LONGITUDE	-112	19	22.58242	1.37411	-112	19	21.20831
4	0185	HEIGHT			24.14270	268.66668			292.80938
4	0318	LATITUDE	33	24	55.16743	-0.35760	33	24	54.80983
4	0318	LONGITUDE	-112	11	11.60059	2.74679	-112	11	8.85380
4	0318	HEIGHT			302.85780	6.11596			308.97376
4	0320	LATITUDE	33	24	30.57907	-0.35758	33	24	30.22149
4	0320	LONGITUDE	-112	13	17.20972	2.74969	-112	13	14.46003
4	0320	HEIGHT			296.72210	6.08726			302.80936

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

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ODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0322	LATITUDE	33	24	0.59106	-0.35805	33	24	0.23301
4	0322	LONGITUDE	-112	14	13.29750	2.75073	-112	14	10.54677
4	0322	HEIGHT			292.85040	6.06881			298.91921
4	0317	LATITUDE	33	25	20.23603	-0.35658	33	25	19.87945
4	0317	LONGITUDE	-112	10	9.77560	2.74666	-112	10	7.02894
4	0317	HEIGHT			305.55900	6.16461			311.72361
4	0190	LATITUDE	33	22	38.91706	-0.35895	33	22	38.55811
4	0190	LONGITUDE	-112	16	19.28095	2.75428	-112	16	16.52667
4	0190	HEIGHT			286.16710	6.06676			292.23386
4	0321	LATITUDE	33	23	30.87055	-0.35857	33	23	30.51198
4	0321	LONGITUDE	-112	13	11.98813	2.75014	-112	13	9.23799
4	0321	HEIGHT			292.90550	6.12060			299.02610
4	0328	LATITUDE	33	23	30.91469	-0.35950	33	23	30.55519
4	0328	LONGITUDE	-112	11	7.92126	2.74703	-112	11	5.17423
4	0328	HEIGHT			300.12870	6.15221			306.28091
	0327	LATITUDE	33	23	5.05731	-0.36023	33	23	4.69708
	0327	LONGITUDE	-112	11	8.21946	2.74667	-112	11	5.47279
	0327	HEIGHT			299.19060	6.14630			305.33690
4	0330	LATITUDE	33	23	31.53431	-0.36024	33	23	31.17407
4	0330	LONGITUDE	-112	9	3.42915	2.74385	-112	9	0.68530
4	0330	HEIGHT			304.71400	6.18174			310.89574
4	0331	LATITUDE	33	23	57.96718	-0.35984	33	23	57.60734
4	0331	LONGITUDE	-112	8	1.31256	2.74241	-112	7	58.57015
4	0331	HEIGHT			308.34730	6.20163			314.54893
4	0313	LATITUDE	33	25	41.23967	-0.35746	33	25	40.88221
4	0313	LONGITUDE	-112	5	59.67034	2.74022	-112	5	56.93012
4	0313	HEIGHT			316.66320	6.24294			322.90614
4	0312	LATITUDE	33	25	41.33363	-0.35764	33	25	40.97599
4	0312	LONGITUDE	-112	4	57.01544	2.73893	-112	4	54.27651
4	0312	HEIGHT			319.66370	6.25702			325.92072
4	0315	LATITUDE	33	25	21.03138	-0.35725	33	25	20.67413
4	0315	LONGITUDE	-112	8	4.51285	2.74337	-112	8	1.76948
4	0315	HEIGHT			310.19110	6.20386			316.39496
4	0308	LATITUDE	33	26	11.73641	-1.33880	33	26	10.39761
4	0308	LONGITUDE	-112	0	39.96096	2.06666	-112	0	37.89430

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S ution:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0308	HEIGHT			211.03690	129.55943			340.59633
4	0803	LATITUDE	33	26	13.53777	-1.33842	33	26	12.19935
4	0803	LONGITUDE	-112	1	48.48819	2.07049	-112	1	46.41770
4	0803	HEIGHT			206.81020	129.56620			336.37640
4	0309	LATITUDE	33	25	47.41820	-1.33868	33	25	46.07952
4	0309	LONGITUDE	-112	1	48.77404	2.07032	-112	1	46.70372
4	0309	HEIGHT			205.85910	129.57218			335.43128
4	0310	LATITUDE	33	25	21.30334	-1.33893	33	25	19.96441
4	0310	LONGITUDE	-112	1	49.05841	2.07016	-112	1	46.98825
4	0310	HEIGHT			204.53420	129.57725			334.11145
4	0336	LATITUDE	33	24	26.05817	-1.33946	33	24	24.71871
4	0336	LONGITUDE	-112	1	46.83730	2.06968	-112	1	44.76762
4	0336	HEIGHT			206.07390	129.58846			335.66236
4	0334	LATITUDE	33	24	25.29628	-1.33848	33	24	23.95780
4	0334	LONGITUDE	-112	4	54.74234	2.07865	-112	4	52.66369
4	0334	HEIGHT			195.65440	129.53589			325.19029
	0801	LATITUDE	33	24	25.37161	-1.33870	33	24	24.032[illegible]
4	0801	LONGITUDE	-112	4	23.64234	2.07718	-112	4	21.56516
4	0801	HEIGHT			197.32240	129.54805			326.87045
4	0802	LATITUDE	33	24	25.43071	-1.33896	33	24	24.09175
4	0802	LONGITUDE	-112	3	20.52514	2.07415	-112	3	18.45099
4	0802	HEIGHT			199.76750	129.56139			329.32889
4	0332	LATITUDE	33	24	24.21134	-1.33766	33	24	22.87368
4	0332	LONGITUDE	-112	8	1.86822	2.08776	-112	7	59.78046
4	0332	HEIGHT			185.70950	129.48288			315.19238
4	0187	LATITUDE	33	21	46.69728	-0.31103	33	21	46.38625
4	0187	LONGITUDE	-112	18	23.89036	3.74446	-112	18	20.14590
4	0187	HEIGHT			280.20000	28.51459			308.71459
4	0189	LATITUDE	33	21	39.67734	-0.31251	33	21	39.36483
4	0189	LONGITUDE	-112	15	32.04931	3.73951	-112	15	28.30980
4	0189	HEIGHT			265.21720	28.58621			293.80341
4	0325	LATITUDE	33	22	12.57317	-0.31276	33	22	12.26041
4	0325	LONGITUDE	-112	13	13.57946	3.73597	-112	13	9.84349
4	0325	HEIGHT			270.65350	28.64623			299.29973

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ZONE:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0186	LATITUDE	33	22	11.80394	-0.31037	33	22	11.49357
4	0186	LONGITUDE	-112	18	23.27209	3.74478	-112	18	19.52731
4	0186	HEIGHT			263.82550	28.51131			292.33681
4	0339	LATITUDE	33	24	51.20693	-0.93469	33	24	50.27224
4	0339	LONGITUDE	-111	58	41.93421	3.28848	-111	58	38.64573
4	0339	HEIGHT			244.80000	102.78352			347.58352
4	0340	LATITUDE	33	25	18.73488	-0.93429	33	25	17.80059
4	0340	LONGITUDE	-111	58	39.56426	3.28876	-111	58	36.27550
4	0340	HEIGHT			243.43990	102.78367			346.22357
4	0804	LATITUDE	33	25	19.54866	-0.93384	33	25	18.61482
4	0804	LONGITUDE	-111	59	44.40204	3.29137	-111	59	41.11067
4	0804	HEIGHT			238.27130	102.75964			341.03094
4	0805	LATITUDE	33	24	53.26301	-0.93421	33	24	52.32880
4	0805	LONGITUDE	-111	59	44.23997	3.29105	-111	59	40.94892
4	0805	HEIGHT			239.90390	102.76153			342.66543
	0707	LATITUDE	33	22	29.70883	-0.93614	33	22	28.77269
	0707	LONGITUDE	-111	59	54.74115	3.28982	-111	59	51.45133
	0707	HEIGHT			269.20270	102.78607			371.98877
4	0708	LATITUDE	33	22	41.58554	-0.93583	33	22	40.64971
4	0708	LONGITUDE	-112	0	46.83643	3.29225	-112	0	43.54418
4	0708	HEIGHT			256.03530	102.76866			358.80396
4	0703	LATITUDE	33	22	42.34530	-0.93729	33	22	41.40801
4	0703	LONGITUDE	-111	56	38.69911	3.28185	-111	56	35.41726
4	0703	HEIGHT			257.10040	102.85848			359.95888
4	0704	LATITUDE	33	21	49.93569	-0.93805	33	21	48.99764
4	0704	LONGITUDE	-111	56	45.94851	3.28161	-111	56	42.66690
4	0704	HEIGHT			261.82530	102.85877			364.68407
4	0712	LATITUDE	33	22	40.55795	-0.93411	33	22	39.62384
4	0712	LONGITUDE	-112	5	0.68101	3.30281	-112	4	57.37820
4	0712	HEIGHT			249.46530	102.68030			352.14560
4	0520	LATITUDE	33	26	38.27002	-0.10369	33	26	38.16633
4	0520	LONGITUDE	-111	51	22.89199	2.78257	-111	51	20.10942
4	0520	HEIGHT			353.20630	14.15531			367.36161
4	0901	LATITUDE	33	25	45.02899	-0.10405	33	25	44.92494
4	0901	LONGITUDE	-111	54	32.89856	2.78657	-111	54	30.11199

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S ution:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0901	HEIGHT			343.35330	14.10036			357.45366
4	0306	LATITUDE	33	26	36.26432	1.41444	33	26	37.67876
4	0306	LONGITUDE	-111	58	41.93706	2.09795	-111	58	39.83911
4	0306	HEIGHT			348.50000	3.28796			351.78796
4	0307	LATITUDE	33	26	34.86755	1.41485	33	26	36.28240
4	0307	LONGITUDE	-112	0	5.75974	2.09936	-112	0	3.66038
4	0307	HEIGHT			339.34990	3.27011			342.62001
4	0303	LATITUDE	33	26	38.97869	0.07624	33	26	39.05493
4	0303	LONGITUDE	-111	54	34.43776	2.02501	-111	54	32.41275
4	0303	HEIGHT			353.70000	6.48568			360.18568
4	0302	LATITUDE	33	27	4.33400	0.07695	33	27	4.41095
4	0302	LONGITUDE	-111	54	32.85471	2.02517	-111	54	30.82954
4	0302	HEIGHT			355.95830	6.48967			362.44797
4	0516	LATITUDE	33	28	23.62359	0.07836	33	28	23.70195
4	0516	LONGITUDE	-111	51	23.65232	2.02140	-111	51	21.63092
4	0516	HEIGHT			369.01360	6.53323			375.54683
	0304	LATITUDE	33	26	38.21452	0.07646	33	26	38.2909
4	0304	LONGITUDE	-111	55	34.65990	2.02644	-111	55	32.63346
4	0304	HEIGHT			355.57870	6.47642			362.05512
4	0508	LATITUDE	33	29	43.52703	-0.25915	33	29	43.26788
4	0508	LONGITUDE	-111	45	10.48317	3.14551	-111	45	7.33766
4	0508	HEIGHT			390.00000	-0.93012			389.06988
4	0514	LATITUDE	33	29	16.79628	-0.25819	33	29	16.53809
4	0514	LONGITUDE	-111	49	20.16836	3.15089	-111	49	17.01747
4	0514	HEIGHT			385.93690	-1.00976			384.92714
4	0527	LATITUDE	33	28	51.36379	-0.25981	33	28	51.10398
4	0527	LONGITUDE	-111	47	15.57206	3.14782	-111	47	12.42424
4	0527	HEIGHT			383.54800	-0.96909			382.57891
4	0504	LATITUDE	33	31	1.84850	-0.25764	33	31	1.59086
4	0504	LONGITUDE	-111	43	5.79193	3.14349	-111	43	2.64844
4	0504	HEIGHT			407.73850	-0.89112			406.84738
4	0505	LATITUDE	33	30	35.69133	-0.25846	33	30	35.43287
4	0505	LONGITUDE	-111	43	5.81104	3.14321	-111	43	2.66783
4	0505	HEIGHT			398.79050	-0.89119			397.89931

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SOLVE:

SOL	IDENT.	TYPE	INITIAL			DX	UPDATED		
4	0531	LATITUDE	33	29	43.49057	-0.25997	33	29	43.23060
4	0531	LONGITUDE	-111	43	13.21208	3.14282	-111	43	10.06926
4	0531	HEIGHT			400.02290	-0.88900			399.13390
4	0530	LATITUDE	33	28	51.67854	-0.26161	33	28	51.41693
4	0530	LONGITUDE	-111	43	7.01971	3.14216	-111	43	3.87755
4	0530	HEIGHT			419.72460	-0.88133			418.84327
4	0525	LATITUDE	33	27	32.67690	-0.10942	33	27	32.56748
4	0525	LONGITUDE	-111	47	16.80573	4.09206	-111	47	12.71367
4	0525	HEIGHT			471.65280	-77.44850			394.20430
4	0515	LATITUDE	33	29	16.45191	-0.20351	33	29	16.24840
4	0515	LONGITUDE	-111	50	22.20024	2.86692	-111	50	19.33332
4	0515	HEIGHT			351.64620	30.19272			381.83892
4	0507	LATITUDE	33	30	35.68109	-0.20354	33	30	35.47755
4	0507	LONGITUDE	-111	45	10.24801	2.85880	-111	45	7.38921
4	0507	HEIGHT			363.59210	30.27969			393.87179
4	0511	LATITUDE	33	29	58.79574	-0.20335	33	29	58.59239
[illegible]	0511	LONGITUDE	-111	47	59.11135	2.86317	-111	47	56.24818
[illegible]	0511	HEIGHT			359.80400	30.22883			390.03283
4	0501	LATITUDE	33	31	27.92193	-0.20376	33	31	27.71817
4	0501	LONGITUDE	-111	41	0.86511	2.85219	-111	40	58.01292
4	0501	HEIGHT			374.74850	30.34157			405.09007
4	0502	LATITUDE	33	31	30.37801	-0.20333	33	31	30.17468
4	0502	LONGITUDE	-111	42	7.13751	2.85408	-111	42	4.28343
4	0502	HEIGHT			405.13660	30.32034			435.45694
4	0533	LATITUDE	33	30	35.47800	-0.20512	33	30	35.27288
4	0533	LONGITUDE	-111	41	2.47169	2.85179	-111	40	59.61990
4	0533	HEIGHT			394.45630	30.33849			424.79479
4	0532	LATITUDE	33	30	13.26932	-0.20566	33	30	13.06366
4	0532	LONGITUDE	-111	41	2.47056	2.85154	-111	40	59.61902
4	0532	HEIGHT			432.81190	30.33741			463.14931

SOLVE successfully completed.

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F' 1EQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0001		2-D Lat.	33 22 37.66540	0.0010	-0.057
0001		2-D Long.	-112 18 19.44160	0.0010	-0.0545
0015		2-D Lat.	33 32 50.24150	0.0010	-0.0101
0019		2-D Lat.	33 28 28.83390	0.0010	-0.0115
0019		2-D Long.	-111 45 4.11720	0.0010	-0.0195
0021		2-D Lat.	33 24 24.24140	0.0010	0.0199
0005		2-D Lat.	33 18 24.38300	0.0010	-0.0135
0005		2-D Long.	-112 44 3.12400	0.0010	-0.1474
GROUP: 131533010PT 3					
0013	0015	3-D X-Coord Diff	7640.9180	0.0016	0.0511
0013	0015	3-D Y-Coord Diff	2000.2650	0.0020	0.0248
0013	0015	3-D Z-Coord Diff	7977.1080	0.0020	0.0365
GROUP: 011333020PT 4					
0001	0013	3-D X-Coord Diff	20695.3600	0.0086	-0.1458
GROUP: 011533020PT 5					
0001	0015	3-D X-Coord Diff	28336.2950	0.0096	-0.1117
GROUP: 011333710PT 9					
0001	0013	3-D Y-Coord Diff	-2703.4710	0.0166	-0.1778
GROUP: 151933810PT 19					
0015	0019	3-D Z-Coord Diff	-6927.2700	0.0053	-0.0545
GROUP: 152133840PT 22					
0015	0021	3-D X-Coord Diff	1525.1410	0.0088	0.0922
GROUP: 192133840PT 24					
0019	0021	3-D Z-Coord Diff	-6286.7350	0.0060	0.0679
GROUP: 011333910PT 25					
0001	0013	3-D X-Coord Diff	20695.4450	0.0144	-0.2308
GROUP: 011333940PT 26					
0001	0013	3-D X-Coord Diff	20695.3920	0.0090	-0.1778
GROUP: 012133910PT 27					
0001	0021	3-D Z-Coord Diff	2775.5300	0.0058	-0.1123
GROUP: 012133940PT 28					
0001	0021	3-D X-Coord Diff	29861.5480	0.0109	-0.1314
0001	0021	3-D Z-Coord Diff	2775.5620	0.0135	-0.1443
GROUP: 132133910PT 29					
0013	0021	3-D X-Coord Diff	9166.1410	0.0019	0.0614
GROUP: 132133940PT 30					
0013	0021	3-D X-Coord Diff	9166.1320	0.0014	0.0704
0013	0021	3-D Z-Coord Diff	-5236.7890	0.0026	-0.0582
GROUP: 010534010PT 31					
0001	0005	3-D X-Coord Diff	-38532.4040	0.0146	0.2694
0001	0005	3-D Z-Coord Diff	-6496.9000	0.0054	-0.1603
GROUP: 010534040PT 32					
0001	0005	3-D X-Coord Diff	-38532.2820	0.0112	0.1474
GROUP: 010734010PT 33					
0001	0007	3-D X-Coord Diff	-47989.2130	0.0174	0.2622
0001	0007	3-D Z-Coord Diff	3639.8190	0.0065	-0.1390

ORMED:

A	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 050734010PT 35					
0005	0007	3-D Y-Coord Diff	11252.5110	0.0119	-0.2179
GROUP: 050734040PT 36					
0005	0007	3-D Y-Coord Diff	11252.4890	0.0127	-0.1959
GROUP: 191333810PT 40					
0019	0513	3-D X-Coord Diff	-5589.5420	0.0013	0.0339
0019	0513	3-D Y-Coord Diff	3606.2140	0.0020	0.0358
0019	0513	3-D Z-Coord Diff	1883.7440	0.0015	-0.0262
GROUP: 150133820PT 44					
0015	0301	3-D Y-Coord Diff	-9190.7130	0.0311	-0.3501
GROUP: 132633930PT 46					
0013	0326	3-D X-Coord Diff	-11747.8370	0.0021	0.0410
GROUP: 012633930PT 47					
0001	0326	3-D X-Coord Diff	8947.4700	0.0009	-0.0518
0001	0326	3-D Z-Coord Diff	-10.6150	0.0018	-0.0864
GROUP: 011133940PT 49					
0001	0711	3-D Y-Coord Diff	-9363.6550	0.0257	-0.3255
GROUP: 012934020PT 53					
0001	0129	3-D Z-Coord Diff	-2709.3310	0.0167	-0.1843
GROUP: 052934020PT 54					
0005	0129	3-D X-Coord Diff	3011.7100	0.0013	-0.1823
00[illegible]	0129	3-D Y-Coord Diff	1619.9890	0.0015	-0.0688
[illegible]	0129	3-D Z-Coord Diff	3787.5610	0.0013	-0.0160
GROUP: 074134010PT 55					
0007	0141	3-D Y-Coord Diff	-11830.6040	0.0151	0.1557
0007	0141	3-D Z-Coord Diff	-15641.0690	0.0047	-0.0841
GROUP: 054134010PT 56					
0005	0141	3-D X-Coord Diff	-7498.0610	0.0024	-0.1673
0005	0141	3-D Y-Coord Diff	-578.1000	0.0038	-0.0551
0005	0141	3-D Z-Coord Diff	-5504.3680	0.0027	-0.0449
GROUP: 077234040PT 59					
0007	0172	3-D X-Coord Diff	33086.8810	0.0286	-0.3785
0007	0172	3-D Y-Coord Diff	-18718.4160	0.0224	0.6219
0007	0172	3-D Z-Coord Diff	-7008.8510	0.0263	0.4615
GROUP: 057234040PT 60					
0005	0172	3-D X-Coord Diff	23630.0130	0.0186	-0.3267
0005	0172	3-D Y-Coord Diff	-7465.9920	0.0147	0.4910
0005	0172	3-D Z-Coord Diff	3127.8410	0.0175	0.5098
GROUP: 056134030PT 61					
0005	0161	3-D X-Coord Diff	11231.8630	0.0023	-0.1803
0005	0161	3-D Y-Coord Diff	-3733.7920	0.0049	-0.0978
GROUP: 295334410PT 64					
0129	0153	3-D Y-Coord Diff	-1250.1620	0.0005	0.0060
GROUP: 485334410PT 67					
0148	0153	3-D Y-Coord Diff	1121.3400	0.0006	0.0095
0148	0153	3-D Z-Coord Diff	3909.5690	0.0004	-0.0057

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F' MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
GROUP: 505334410PT 68					
0150	0153	3-D Y-Coord Diff	490.0010	0.0006	0.0074
0150	0153	3-D Z-Coord Diff	1995.5590	0.0004	-0.0039
GROUP: 293334420PT 71					
0129	0133	3-D X-Coord Diff	-6461.3710	0.0005	0.0062
GROUP: 323334420PT 72					
0132	0133	3-D X-Coord Diff	-1470.8880	0.0003	0.0046
0132	0133	3-D Z-Coord Diff	75.8010	0.0009	-0.0148
GROUP: 292434430PT 75					
0129	0124	3-D Z-Coord Diff	1329.3270	0.0007	-0.0070
GROUP: 231934440PT 78					
0123	0119	3-D X-Coord Diff	6850.4800	0.0012	-0.0454
0123	0119	3-D Y-Coord Diff	-2366.3850	0.0019	-0.0413
0123	0119	3-D Z-Coord Diff	678.9280	0.0014	0.0237
GROUP: 236434440PT 79					
0123	0164	3-D X-Coord Diff	2436.1130	0.0011	-0.0136
0123	0164	3-D Y-Coord Diff	-2426.5860	0.0017	-0.0178
GROUP: 196434440PT 80					
0119	0164	3-D X-Coord Diff	-4414.3700	0.0011	0.0348
0119	0164	3-D Y-Coord Diff	-60.2030	0.0018	0.0256
0119	0164	3-D Z-Coord Diff	-2684.7410	0.0013	-0.0200
GROUP: 162034510PT 82					
0[illegible]5	0120	3-D X-Coord Diff	-4482.7340	0.0004	0.007[illegible]
0116	0120	3-D Y-Coord Diff	1873.6280	0.0006	-0.0098
GROUP: 642635020PT 88					
0164	0126	3-D Y-Coord Diff	1043.6700	0.0008	-0.0079
GROUP: 424434330PT 93					
0142	0144	3-D Y-Coord Diff	-1520.8930	0.0014	0.0196
0142	0144	3-D Z-Coord Diff	-1703.6960	0.0005	-0.0059
GROUP: 616335040PT 96					
0161	0163	3-D X-Coord Diff	1806.5510	0.0004	-0.0055
0161	0163	3-D Y-Coord Diff	177.9310	0.0007	-0.0077
0161	0163	3-D Z-Coord Diff	1287.1010	0.0005	0.0062
GROUP: 424534330PT 97					
0142	0145	3-D Y-Coord Diff	-1782.4320	0.0018	0.0204
0142	0145	3-D Z-Coord Diff	-1655.4120	0.0006	-0.0063
GROUP: 071335110PT 99					
0107	0113	3-D X-Coord Diff	-4902.2120	0.0005	0.0056
GROUP: 071635110PT 100					
0107	0116	3-D X-Coord Diff	-8618.6110	0.0006	0.0062
0107	0116	3-D Y-Coord Diff	2151.5500	0.0009	-0.0133
GROUP: 424634330PT 101					
0142	0146	3-D Y-Coord Diff	-1219.4290	0.0013	0.0332
0142	0146	3-D Z-Coord Diff	-443.2810	0.0004	-0.0105
GROUP: 071135120PT 104					
0107	0111	3-D X-Coord Diff	-4305.3480	0.0005	0.0059

FREQ:

T	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0107	0111	3-D Y-Coord Diff	2250.5010	0.0009	0.0084
107	0111	3-D Z-Coord Diff	665.1750	0.0009	-0.0121
ROUP: 071535120PT 106					
0107	0115	3-D X-Coord Diff	-6650.5780	0.0005	0.0098
107	0115	3-D Y-Coord Diff	2769.2790	0.0010	0.0100
107	0115	3-D Z-Coord Diff	26.1380	0.0011	-0.0143
GROUP: 444634330PT 109					
0144	0146	3-D Y-Coord Diff	301.4650	0.0012	0.0127
ROUP: 152035130PT 111					
0115	0120	3-D X-Coord Diff	-6450.7740	0.0009	0.0109
GROUP: 646935140PT 116					
164	0169	3-D X-Coord Diff	7388.6350	0.0007	-0.0130
164	0169	3-D Y-Coord Diff	-3230.6550	0.0011	-0.0171
GROUP: 647335140PT 118					
0164	0173	3-D X-Coord Diff	11870.3890	0.0009	-0.0214
164	0173	3-D Y-Coord Diff	-4954.8680	0.0015	-0.0276
GROUP: 697335140PT 119					
0169	0173	3-D X-Coord Diff	4481.7530	0.0005	-0.0074
169	0173	3-D Y-Coord Diff	-1724.2140	0.0008	-0.0095
GROUP: 374834340PT 125					
0137	0148	3-D Z-Coord Diff	-163.8410	0.0010	-0.0099
P: 077835220PT 131					
[illegible]	0178	3-D X-Coord Diff	-594.6420	0.0006	-0.0106
0107	0178	3-D Y-Coord Diff	-1691.4930	0.0011	-0.0116
0107	0178	3-D Z-Coord Diff	-2679.4620	0.0011	0.0275
ROUP: 737635220PT 132					
0173	0176	3-D X-Coord Diff	3379.0590	0.0006	-0.0070
GROUP: 767835220PT 135					
0176	0178	3-D X-Coord Diff	744.6450	0.0003	-0.0048
0176	0178	3-D Z-Coord Diff	-0.1380	0.0006	0.0083
GROUP: 034209030PT 136					
0342	0903	3-D X-Coord Diff	-2062.4520	0.0005	-0.0079
0342	0903	3-D Z-Coord Diff	727.9710	0.0012	0.0127
GROUP: 736835230PT 138					
0173	0168	3-D Z-Coord Diff	-1339.6610	0.0007	-0.0069
GROUP: 737235230PT 139					
0173	0172	3-D Z-Coord Diff	-669.2270	0.0003	-0.0031
GROUP: 636835230PT 140					
0163	0168	3-D X-Coord Diff	5964.1280	0.0007	-0.0091
0163	0168	3-D Z-Coord Diff	59.0700	0.0006	0.0097
GROUP: 637235230PT 142					
0163	0172	3-D X-Coord Diff	10591.4720	0.0012	-0.0139
0163	0172	3-D Z-Coord Diff	729.5020	0.0010	0.0154
GROUP: 202635240PT 144					
0120	0126	3-D X-Coord Diff	-8269.1040	0.0012	0.0703
0120	0126	3-D Y-Coord Diff	1054.1400	0.0018	0.0523

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
0120	0126	3-D Z-Coord Diff	-3383.6700	0.0015	-0.0286
GROUP: 262900930PT 146					
0526	0529	3-D X-Coord Diff	5692.8030	0.0006	0.0083
GROUP: 206435240PT 147					
0120	0164	3-D X-Coord Diff	-3487.4330	0.0006	0.0519
0120	0164	3-D Y-Coord Diff	10.4930	0.0010	0.0372
0120	0164	3-D Z-Coord Diff	-2037.1950	0.0008	-0.0210
GROUP: 265335240PT 148					
0126	0153	3-D X-Coord Diff	-4588.4750	0.0006	0.0360
0126	0153	3-D Y-Coord Diff	1424.5100	0.0009	0.0140
0126	0153	3-D Z-Coord Diff	-690.7800	0.0007	-0.0110
GROUP: 266435240PT 150					
0126	0164	3-D X-Coord Diff	4781.6710	0.0007	-0.0184
0126	0164	3-D Y-Coord Diff	-1043.6470	0.0010	-0.0151
GROUP: 536435240PT 151					
0153	0164	3-D X-Coord Diff	9370.1450	0.0011	-0.0534
0153	0164	3-D Y-Coord Diff	-2468.1560	0.0017	-0.0300
0153	0164	3-D Z-Coord Diff	2037.2560	0.0014	0.0175
GROUP: 222600240PT 159					
0522	0526	3-D X-Coord Diff	3352.9590	0.0004	0.0189
0522	0526	3-D Y-Coord Diff	-367.4330	0.0007	0.0204
0522	0526	3-D Z-Coord Diff	1385.1810	0.0006	-0.0062
G JP: 078135720PT 163					
0107	0181	3-D X-Coord Diff	4449.2350	0.0004	-0.0041
GROUP: 525635740PT 182					
0152	0156	3-D X-Coord Diff	3139.6620	0.0005	-0.0130
0152	0156	3-D Y-Coord Diff	-841.6140	0.0008	-0.0202
GROUP: 526035740PT 183					
0152	0160	3-D X-Coord Diff	5933.6540	0.0008	-0.0269
0152	0160	3-D Y-Coord Diff	-2493.6700	0.0013	-0.0446
0152	0160	3-D Z-Coord Diff	12.9110	0.0010	0.0139
GROUP: 566035740PT 186					
0156	0160	3-D X-Coord Diff	2793.9890	0.0005	-0.0109
0156	0160	3-D Y-Coord Diff	-1652.0610	0.0008	-0.0194
GROUP: 737835220PT 188					
0173	0178	3-D X-Coord Diff	4123.7040	0.0008	-0.0119
GROUP: 077635220PT 189					
0107	0176	3-D X-Coord Diff	-1339.2860	0.0006	-0.0068
0107	0176	3-D Z-Coord Diff	-2679.3240	0.0012	0.0192
GROUP: 788535740PT 190					
0178	0185	3-D X-Coord Diff	8986.8820	0.0011	-0.0683
0178	0185	3-D Y-Coord Diff	-3226.9050	0.0012	-0.0619
0178	0185	3-D Z-Coord Diff	665.4390	0.0013	0.0234
GROUP: 922235810PT 193					
0192	0322	3-D Y-Coord Diff	-1602.6390	0.0011	0.0141
GROUP: 912835820PT 208					

F[illegible]Q:

[illegible]191	0328	3-D X-Coord Diff	7447.2840	0.0006	-0.0063
[illegible]ROUP: 283135830PT 213					
0328	0331	3-D X-Coord Diff	4636.9420	0.0004	-0.0067
[illegible]ROUP: 262735830PT 214					
[illegible]326	0327	3-D X-Coord Diff	1623.8980	0.0003	-0.0028
GROUP: 263135830PT 216					
[illegible]326	0331	3-D X-Coord Diff	6433.2280	0.0003	-0.0066
[illegible]ROUP: 273135830PT 218					
0327	0331	3-D X-Coord Diff	4809.3310	0.0003	-0.0047
GROUP: 303135830PT 219					
[illegible]330	0331	3-D X-Coord Diff	1654.7550	0.0003	-0.0039
[illegible]ROUP: 171335840PT 220					
0317	0313	3-D X-Coord Diff	6116.1440	0.0007	-0.0150
[illegible]ROUP: 171235840PT 221					
[illegible]317	0312	3-D X-Coord Diff	7615.6240	0.0007	-0.0075
0317	0312	3-D Z-Coord Diff	550.2840	0.0007	0.0092
[illegible]ROUP: 171535840PT 222					
[illegible]317	0315	3-D X-Coord Diff	3001.0480	0.0006	-0.0067
GROUP: 131235840PT 223					
0013	0312	3-D X-Coord Diff	-246.2800	0.0008	0.0641
[illegible]013	0312	3-D Y-Coord Diff	-2256.5330	0.0014	0.0209
[illegible]013	0312	3-D Z-Coord Diff	-3312.1800	0.0009	-0.0220
GROUP: 131335840PT 224					
[illegible]	0313	3-D X-Coord Diff	-1745.7540	0.0008	0.0506
[illegible]	0313	3-D Z-Coord Diff	-3316.2570	0.0009	-0.0173
GROUP: 131535840PT 225					
0313	0315	3-D X-Coord Diff	-3115.1000	0.0006	0.0123
[illegible]ROUP: 130336010PT 229					
[illegible]013	0803	3-D X-Coord Diff	4447.4330	0.0044	0.0458
GROUP: 363436030PT 237					
[illegible]336	0334	3-D X-Coord Diff	-4501.7520	0.0005	0.0096
[illegible]336	0334	3-D Y-Coord Diff	1819.3650	0.0007	0.0095
GROUP: 360136030PT 238					
[illegible]336	0801	3-D X-Coord Diff	-3757.0910	0.0005	0.0069
[illegible]ROUP: 360236030PT 239					
0336	0802	3-D X-Coord Diff	-2245.9700	0.0004	0.0047
0336	0802	3-D Y-Coord Diff	903.5740	0.0005	0.0059
[illegible]ROUP: 340136030PT 240					
[illegible]334	0801	3-D X-Coord Diff	744.6640	0.0004	-0.0057
GROUP: 340236030PT 241					
[illegible]334	0802	3-D X-Coord Diff	2255.7830	0.0005	-0.0058
[illegible]ROUP: 341236040PT 243					
0334	0312	3-D Z-Coord Diff	1981.0190	0.0005	-0.0075
[illegible]ROUP: 343136040PT 244					
[illegible]334	0331	3-D X-Coord Diff	-4615.9470	0.0004	0.0147
0334	0331	3-D Z-Coord Diff	-683.5940	0.0005	-0.0057
GROUP: 343236040PT 245					
[illegible]334	0332	3-D X-Coord Diff	-4483.6600	0.0006	0.0126

[MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
0334	0332	3-D Z-Coord Diff	-33.3790	0.0007	-0.0084
GROUP: 123136040PT 246					
0312	0331	3-D X-Coord Diff	-5068.3700	0.0006	0.0113
0312	0331	3-D Y-Coord Diff	176.1240	0.0012	-0.0128
GROUP: 313236040PT 248					
0331	0332	3-D X-Coord Diff	132.2890	0.0004	-0.0041
GROUP: 878936050PT 249					
0187	0189	3-D Z-Coord Diff	-188.8820	0.0005	0.0056
GROUP: 872536050PT 250					
0187	0325	3-D X-Coord Diff	7593.3910	0.0007	-0.0086
0187	0325	3-D Z-Coord Diff	660.5750	0.0007	0.0118
GROUP: 872636050PT 251					
0187	0326	3-D Z-Coord Diff	1332.9270	0.0007	0.0078
GROUP: 252636050PT 254					
0325	0326	3-D Z-Coord Diff	672.3430	0.0005	0.0050
GROUP: 878536060PT 255					
0187	0185	3-D X-Coord Diff	-1293.0250	0.0003	0.0086
0187	0185	3-D Y-Coord Diff	1007.3220	0.0004	0.0103
0187	0185	3-D Z-Coord Diff	640.7000	0.0003	-0.0095
GROUP: 879036060PT 257					
0187	0190	3-D X-Coord Diff	3297.6020	0.0005	-0.0160
0187	0190	3-D Y-Coord Diff	-381.2430	0.0008	-0.0253
GROUP: 858636060PT 258					
0185	0186	3-D X-Coord Diff	1474.4840	0.0003	-0.0078
0185	0186	3-D Y-Coord Diff	-607.1350	0.0005	-0.0095
0185	0186	3-D Z-Coord Diff	-3.6720	0.0004	0.0077
GROUP: 859036060PT 259					
0185	0190	3-D X-Coord Diff	4590.6240	0.0005	-0.0217
0185	0190	3-D Y-Coord Diff	-1388.5700	0.0008	-0.0306
0185	0190	3-D Z-Coord Diff	692.6030	0.0006	0.0127
GROUP: 869036060PT 260					
0186	0190	3-D X-Coord Diff	3116.1400	0.0005	-0.0139
0186	0190	3-D Y-Coord Diff	-781.4340	0.0008	-0.0221
GROUP: 390236110PT 262					
0339	0702	3-D Y-Coord Diff	-1560.3340	0.0008	0.0123
0339	0702	3-D Z-Coord Diff	-596.3500	0.0005	-0.0061
GROUP: 400236110PT 263					
0340	0702	3-D Y-Coord Diff	-1971.6300	0.0007	0.0140
0340	0702	3-D Z-Coord Diff	-1303.5210	0.0004	-0.0073
GROUP: 052136150PT 270					
0805	0021	3-D X-Coord Diff	2223.4740	0.0005	-0.0169
0805	0021	3-D Z-Coord Diff	-682.9140	0.0005	0.0090
GROUP: 210736150PT 273					
0021	0707	3-D X-Coord Diff	-3396.0940	0.0006	0.0085
GROUP: 210836150PT 274					
0021	0708	3-D X-Coord Diff	-4565.0720	0.0007	0.0110

FORMEQ:

FROM	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0021	0708	3-D Z-Coord Diff	-2695.3040	0.0007	-0.0076
GROUP: 070836150PT 275					
0707	0708	3-D Z-Coord Diff	298.3270	0.0005	-0.0052
GROUP: 083436140PT 282					
0708	0334	3-D Z-Coord Diff	2638.9540	0.0006	-0.0088
GROUP: 034209020PT 297					
0342	0902	3-D X-Coord Diff	177.7610	0.0005	-0.0047
GROUP: 060336530PT 321					
0306	0903	3-D X-Coord Diff	1913.8110	0.0003	0.0035
GROUP: 222500240PT 337					
0522	0525	3-D X-Coord Diff	3176.1210	0.0005	0.0119
0522	0525	3-D Y-Coord Diff	-788.0970	0.0008	0.0147
GROUP: 252600240PT 338					
0525	0526	3-D X-Coord Diff	176.8370	0.0004	0.0081
0525	0526	3-D Y-Coord Diff	420.6630	0.0006	0.0067
GROUP: 420200910PT 363					
0342	0702	3-D X-Coord Diff	-1831.2990	0.0006	0.0072
0342	0702	3-D Z-Coord Diff	-1267.5850	0.0005	-0.0079
GROUP: 192600930PT 365					
0019	0526	3-D X-Coord Diff	-3256.4390	0.0007	-0.0107
GROUP: 020301410PT 367					
[illegible]	0703	3-D Z-Coord Diff	-2711.5270	0.0005	-0.0086

FORMEQ successfully completed.

S' 'E:

Solution (Iteration Count = 2):

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0001	LATITUDE	33	22	37.66366	0.00000	33	22	37.66366
4	0001	LONGITUDE	-112	18	19.44371	-0.00001	-112	18	19.44372
4	0001	HEIGHT			352.83968	0.00036			352.84004
4	0015	LATITUDE	33	32	50.24117	0.00000	33	32	50.24118
4	0015	LONGITUDE	-112	1	13.03432	-0.00001	-112	1	13.03432
4	0015	HEIGHT			794.83400	0.00023			794.83424
4	0007	LATITUDE	33	24	58.90105	0.00000	33	24	58.90105
4	0007	LONGITUDE	-112	52	28.98520	-0.00000	-112	52	28.98520
4	0007	HEIGHT			365.07294	0.00045			365.07339
4	0009	LATITUDE	33	31	12.92209	-0.00000	33	31	12.92209
4	0009	LONGITUDE	-112	21	40.56597	-0.00000	-112	21	40.56597
4	0009	HEIGHT			340.43763	0.00032			340.43795
4	0019	LATITUDE	33	28	28.83353	0.00000	33	28	28.83353
4	0019	LONGITUDE	-111	45	4.11796	-0.00000	-111	45	4.11796
4	0019	HEIGHT			411.21334	0.00021			411.21355
	0021	LATITUDE	33	24	24.24205	0.00001	33	24	24.242[illegible]
4	0021	LONGITUDE	-111	57	59.78148	-0.00000	-111	57	59.7814[illegible]
4	0021	HEIGHT			414.28871	0.00019			414.28889
4	0005	LATITUDE	33	18	24.38256	-0.00001	33	18	24.38255
4	0005	LONGITUDE	-112	44	3.12970	0.00001	-112	44	3.12968
4	0005	HEIGHT			392.80247	0.00100			392.80347
4	0301	LATITUDE	33	27	30.72373	0.00001	33	27	30.72374
4	0301	LONGITUDE	-111	53	28.39354	-0.00000	-111	53	28.39355
4	0301	HEIGHT			363.74328	0.00018			363.74345
4	0513	LATITUDE	33	29	42.64191	0.00001	33	29	42.64191
4	0513	LONGITUDE	-111	49	16.98798	-0.00000	-111	49	16.98799
4	0513	HEIGHT			387.80990	0.00018			387.81008
4	0705	LATITUDE	33	21	48.97990	0.00001	33	21	48.97991
4	0705	LONGITUDE	-111	58	25.63538	-0.00000	-111	58	25.63539
4	0705	HEIGHT			399.79258	0.00018			399.79275
4	0326	LATITUDE	33	22	38.31807	-0.00001	33	22	38.31805
4	0326	LONGITUDE	-112	12	6.29845	-0.00002	-112	12	6.29847
4	0326	HEIGHT			302.78423	0.00041			302.78464

CODE	IDENT.	TYPE	INITIAL			DX	UPDATED		
4	0711	LATITUDE	33	21	26.04095	-0.00001	33	21	26.04094
4	0711	LONGITUDE	-112	4	19.06067	-0.00002	-112	4	19.06069
4	0711	HEIGHT			398.04915	0.00047			398.04962
4	0192	LATITUDE	33	24	23.13962	-0.00001	33	24	23.13961
4	0192	LONGITUDE	-112	16	17.63146	-0.00002	-112	16	17.63148
4	0192	HEIGHT			299.84215	0.00042			299.84257
4	0129	LATITUDE	33	20	54.49200	-0.00001	33	20	54.49199
4	0129	LONGITUDE	-112	42	39.92523	0.00002	-112	42	39.92521
4	0129	HEIGHT			253.35952	0.00117			253.36069
4	0141	LATITUDE	33	14	53.83625	-0.00001	33	14	53.83624
4	0141	LONGITUDE	-112	48	21.63885	0.00002	-112	48	21.63882
4	0141	HEIGHT			244.43919	0.00116			244.44035
4	0161	LATITUDE	33	19	10.29107	-0.00002	33	19	10.29106
4	0161	LONGITUDE	-112	36	26.86847	0.00002	-112	36	26.86845
4	0161	HEIGHT			264.87805	0.00121			264.87926
4	0172	LATITUDE	33	20	28.26495	-0.00002	33	20	28.26494
[illegible]	0172	LONGITUDE	-112	28	8.81890	0.00003	-112	28	8.81887
[illegible]	0172	HEIGHT			282.12614	0.00121			282.12735
4	0148	LATITUDE	33	17	3.85247	-0.00000	33	17	3.85247
4	0148	LONGITUDE	-112	44	41.81945	-0.00002	-112	44	41.81948
4	0148	HEIGHT			240.27266	0.00047			240.27313
4	0150	LATITUDE	33	18	18.17980	-0.00000	33	18	18.17980
4	0150	LONGITUDE	-112	43	49.01766	-0.00002	-112	43	49.01768
4	0150	HEIGHT			240.21234	0.00047			240.21281
4	0153	LATITUDE	33	19	35.58334	-0.00000	33	19	35.58334
4	0153	LONGITUDE	-112	42	37.52714	-0.00002	-112	42	37.52716
4	0153	HEIGHT			245.25625	0.00048			245.25673
4	0136	LATITUDE	33	18	16.37874	0.00001	33	18	16.37874
4	0136	LONGITUDE	-112	47	32.54091	0.00000	-112	47	32.54091
4	0136	HEIGHT			242.04110	0.00014			242.04124
4	0137	LATITUDE	33	17	10.21181	0.00001	33	17	10.21181
4	0137	LONGITUDE	-112	48	31.06469	0.00000	-112	48	31.06469
4	0137	HEIGHT			240.40173	0.00014			240.40187
4	0140	LATITUDE	33	15	50.43566	0.00001	33	15	50.43566
4	0140	LONGITUDE	-112	48	0.13328	0.00000	-112	48	0.13328

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

S· ·tion:

CODE	IDENT.	TYPE			INITIAL	DX			UPDAT
4	0140	HEIGHT			237.18884	0.00014			237.188[illegible]
4	0132	LATITUDE	33	19	32.42568	-0.00000	33	19	32.42568
4	0132	LONGITUDE	-112	45	46.77794	-0.00002	-112	45	46.77797
4	0132	HEIGHT			242.97684	0.00046			242.97730
4	0133	LATITUDE	33	19	35.17818	-0.00000	33	19	35.17818
4	0133	LONGITUDE	-112	46	49.08762	-0.00002	-112	46	49.08764
4	0133	HEIGHT			251.95068	0.00046			251.95115
4	0123	LATITUDE	33	22	12.22018	-0.00000	33	22	12.22018
4	0123	LONGITUDE	-112	38	29.48257	-0.00002	-112	38	29.48259
4	0123	HEIGHT			266.86822	0.00052			266.86874
4	0124	LATITUDE	33	21	45.96675	-0.00000	33	21	45.96675
4	0124	LONGITUDE	-112	39	33.14724	-0.00002	-112	39	33.14727
4	0124	HEIGHT			261.86468	0.00047			261.86515
4	0142	LATITUDE	33	14	42.51650	0.00001	33	14	42.51651
4	0142	LONGITUDE	-112	47	12.00105	0.00000	-112	47	12.00105
4	0142	HEIGHT			231.93197	0.00014			231.93210
	0119	LATITUDE	33	22	38.62660	-0.00000	33	22	38.626[illegible]
4	0119	LONGITUDE	-112	33	49.65546	-0.00002	-112	33	49.6554[illegible]
4	0119	HEIGHT			266.05229	0.00047			266.05277
4	0164	LATITUDE	33	20	54.59057	-0.00000	33	20	54.59057
4	0164	LONGITUDE	-112	36	26.40755	-0.00002	-112	36	26.40758
4	0164	HEIGHT			251.98768	0.00051			251.98819
4	0116	LATITUDE	33	22	12.87777	-0.00001	33	22	12.87776
4	0116	LONGITUDE	-112	31	13.78101	-0.00001	-112	31	13.78102
4	0116	HEIGHT			261.54124	0.00038			261.54162
4	0120	LATITUDE	33	22	13.55666	-0.00001	33	22	13.55665
4	0120	LONGITUDE	-112	34	21.71768	-0.00001	-112	34	21.71768
4	0120	HEIGHT			261.44966	0.00041			261.45007
4	0160	LATITUDE	33	18	19.11763	-0.00000	33	18	19.11763
4	0160	LONGITUDE	-112	37	28.83850	-0.00002	-112	37	28.83852
4	0160	HEIGHT			269.29247	0.00048			269.29294
4	0125	LATITUDE	33	20	53.67873	-0.00000	33	20	53.67872
4	0125	LONGITUDE	-112	39	32.85757	-0.00002	-112	39	32.85759
4	0125	HEIGHT			252.16819	0.00048			252.16867

CODE	IDENT.	TYPE	INITIAL			DX	UPDATED		
4	0126	LATITUDE	33	20	2.43662	-0.00000	33	20	2.43661
4	0126	LONGITUDE	-112	39	32.60097	-0.00002	-112	39	32.60099
4	0126	HEIGHT			244.44809	0.00048			244.44856
4	0151	LATITUDE	33	18	18.62664	-0.00000	33	18	18.62664
4	0151	LONGITUDE	-112	42	39.66324	-0.00002	-112	42	39.66326
4	0151	HEIGHT			241.19323	0.00046			241.19369
4	0152	LATITUDE	33	18	19.03978	-0.00000	33	18	19.03978
4	0152	LONGITUDE	-112	41	37.62319	-0.00002	-112	41	37.62322
4	0152	HEIGHT			249.40500	0.00048			249.40548
4	0144	LATITUDE	33	13	36.31219	0.00001	33	13	36.31219
4	0144	LONGITUDE	-112	46	23.42723	0.00000	-112	46	23.42723
4	0144	HEIGHT			236.10887	0.00014			236.10901
4	0162	LATITUDE	33	19	37.28979	-0.00000	33	19	37.28979
4	0162	LONGITUDE	-112	35	52.71973	-0.00002	-112	35	52.71976
4	0162	HEIGHT			253.81277	0.00047			253.81324
4	0163	LATITUDE	33	20	0.50739	-0.00000	33	20	0.50739
4	0163	LONGITUDE	-112	35	25.02914	-0.00002	-112	35	25.02916
4	0163	HEIGHT			254.72408	0.00047			254.72454
4	0145	LATITUDE	33	13	38.36360	0.00001	33	13	38.36361
4	0145	LONGITUDE	-112	45	53.49914	0.00000	-112	45	53.49913
4	0145	HEIGHT			227.74385	0.00014			227.74399
4	0107	LATITUDE	33	23	30.38572	-0.00001	33	23	30.38571
4	0107	LONGITUDE	-112	25	33.86016	-0.00002	-112	25	33.86018
4	0107	HEIGHT			270.54362	0.00051			270.54413
4	0113	LATITUDE	33	22	12.93649	-0.00001	33	22	12.93648
4	0113	LONGITUDE	-112	28	38.11238	-0.00002	-112	28	38.11240
4	0113	HEIGHT			267.82788	0.00051			267.82838
4	0146	LATITUDE	33	14	25.29166	0.00001	33	14	25.29166
4	0146	LONGITUDE	-112	45	37.16325	0.00000	-112	45	37.16325
4	0146	HEIGHT			232.90630	0.00014			232.90644
4	0112	LATITUDE	33	23	31.27991	-0.00001	33	23	31.27990
4	0112	LONGITUDE	-112	28	41.06143	-0.00002	-112	28	41.06145
4	0112	HEIGHT			267.97857	0.00051			267.97908
4	0111	LATITUDE	33	23	56.19412	-0.00001	33	23	56.19411
4	0111	LONGITUDE	-112	28	41.07550	-0.00002	-112	28	41.07553

S ution:

CODE	IDENT.	TYPE			INITIAL	DX			UPDAT
4	0111	HEIGHT			272.92534	0.00051			272.92585
4	0115	LATITUDE	33	23	31.41263	-0.00001	33	23	31.41263
4	0115	LONGITUDE	-112	30	12.59616	-0.00002	-112	30	12.59618
4	0115	HEIGHT			270.01378	0.00055			270.01432
4	0117	LATITUDE	33	23	5.49568	-0.00001	33	23	5.49567
4	0117	LONGITUDE	-112	32	16.72531	-0.00002	-112	32	16.72533
4	0117	HEIGHT			267.11002	0.00053			267.11055
4	0169	LATITUDE	33	20	46.27776	-0.00001	33	20	46.27775
4	0169	LONGITUDE	-112	31	14.60880	-0.00002	-112	31	14.60883
4	0169	HEIGHT			260.90891	0.00055			260.90946
4	0173	LATITUDE	33	20	54.34066	-0.00001	33	20	54.34065
4	0173	LONGITUDE	-112	28	8.96783	-0.00002	-112	28	8.96785
4	0173	HEIGHT			278.70077	0.00054			278.70131
4	0108	LATITUDE	33	24	23.59734	-0.00001	33	24	23.59733
4	0108	LONGITUDE	-112	26	36.33555	-0.00002	-112	26	36.33557
4	0108	HEIGHT			274.06438	0.00067			274.06505
	0147	LATITUDE	33	15	44.80716	0.00001	33	15	44.807[illegible]
4	0147	LONGITUDE	-112	45	43.77807	0.00000	-112	45	43.7780[illegible]
4	0147	HEIGHT			231.34751	0.00014			231.34765
4	0702	LATITUDE	33	24	26.94789	-0.00001	33	24	26.94788
4	0702	LONGITUDE	-111	56	35.66436	-0.00001	-111	56	35.66437
4	0702	HEIGHT			353.94581	0.00051			353.94631
4	0902	LATITUDE	33	25	43.52913	-0.00001	33	25	43.52911
4	0902	LONGITUDE	-111	55	32.08630	-0.00001	-111	55	32.08631
4	0902	HEIGHT			354.51324	0.00050			354.51374
4	0178	LATITUDE	33	21	45.78959	-0.00001	33	21	45.78958
4	0178	LONGITUDE	-112	25	30.16199	-0.00002	-112	25	30.16201
4	0178	HEIGHT			291.58781	0.00067			291.58847
4	0176	LATITUDE	33	21	45.88088	-0.00001	33	21	45.88087
4	0176	LONGITUDE	-112	26	1.39912	-0.00002	-112	26	1.39914
4	0176	HEIGHT			287.55225	0.00068			287.55293
4	0519	LATITUDE	33	25	45.67634	-0.00001	33	25	45.67633
4	0519	LONGITUDE	-111	51	20.26746	-0.00000	-111	51	20.26746
4	0519	HEIGHT			376.15499	0.00050			376.15549

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0342	LATITUDE	33	25	16.14438	-0.00001	33	25	16.14437
4	0342	LONGITUDE	-111	55	32.21288	-0.00001	-111	55	32.21289
4	0342	HEIGHT			358.30445	0.00051			358.30496
4	0903	LATITUDE	33	25	44.59320	-0.00001	33	25	44.59319
4	0903	LONGITUDE	-111	57	5.88471	-0.00001	-111	57	5.88472
4	0903	HEIGHT			351.86224	0.00051			351.86274
4	0168	LATITUDE	33	20	2.40004	-0.00001	33	20	2.40003
4	0168	LONGITUDE	-112	31	15.58290	-0.00002	-112	31	15.58293
4	0168	HEIGHT			273.58152	0.00071			273.58223
4	0134	LATITUDE	33	19	13.05586	0.00001	33	19	13.05587
4	0134	LONGITUDE	-112	47	33.27850	0.00000	-112	47	33.27849
4	0134	HEIGHT			244.80947	0.00014			244.80962
4	0526	LATITUDE	33	27	58.86842	-0.00001	33	27	58.86841
4	0526	LONGITUDE	-111	47	12.40080	-0.00002	-111	47	12.40082
4	0526	HEIGHT			382.88189	0.00047			382.88236
4	0529	LATITUDE	33	29	15.58744	-0.00001	33	29	15.58742
	0529	LONGITUDE	-111	43	34.95881	-0.00002	-111	43	34.95883
4	0529	HEIGHT			399.24324	0.00048			399.24372
4	0102	LATITUDE	33	24	47.92953	-0.00001	33	24	47.92952
4	0102	LONGITUDE	-112	19	22.03966	-0.00003	-112	19	22.03969
4	0102	HEIGHT			289.01418	0.00046			289.01465
4	0104	LATITUDE	33	24	49.40635	-0.00001	33	24	49.40634
4	0104	LONGITUDE	-112	22	27.69553	-0.00003	-112	22	27.69556
4	0104	HEIGHT			286.49620	0.00047			286.49666
4	0193	LATITUDE	33	24	49.26648	-0.00001	33	24	49.26646
4	0193	LONGITUDE	-112	17	19.46518	-0.00003	-112	17	19.46521
4	0193	HEIGHT			293.67116	0.00046			293.67162
4	0522	LATITUDE	33	27	5.17813	-0.00003	33	27	5.17810
4	0522	LONGITUDE	-111	49	18.22580	0.00005	-111	49	18.22575
4	0522	HEIGHT			373.61579	0.00096			373.61675
4	0180	LATITUDE	33	22	51.39026	-0.00000	33	22	51.39026
4	0180	LONGITUDE	-112	22	28.49975	-0.00001	-112	22	28.49976
4	0180	HEIGHT			284.10549	0.00014			284.10563
4	0181	LATITUDE	33	23	33.16393	-0.00000	33	23	33.16393
4	0181	LONGITUDE	-112	22	28.27746	-0.00001	-112	22	28.27748

4

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

9 ution:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0308	HEIGHT			340.59633	0.00043			340.59676
4	0803	LATITUDE	33	26	12.19935	0.00002	33	26	12.19936
4	0803	LONGITUDE	-112	1	46.41770	-0.00005	-112	1	46.41765
4	0803	HEIGHT			336.37640	0.00043			336.37683
4	0309	LATITUDE	33	25	46.07952	0.00002	33	25	46.07954
4	0309	LONGITUDE	-112	1	46.70372	-0.00005	-112	1	46.70367
4	0309	HEIGHT			335.43128	0.00043			335.43171
4	0310	LATITUDE	33	25	19.96441	0.00002	33	25	19.96443
4	0310	LONGITUDE	-112	1	46.98825	-0.00005	-112	1	46.98830
4	0310	HEIGHT			334.11145	0.00043			334.11188
4	0336	LATITUDE	33	24	24.71871	0.00002	33	24	24.71873
4	0336	LONGITUDE	-112	1	44.76762	-0.00005	-112	1	44.76767
4	0336	HEIGHT			335.66236	0.00043			335.66280
4	0334	LATITUDE	33	24	23.95780	0.00002	33	24	23.95782
4	0334	LONGITUDE	-112	4	52.66369	-0.00005	-112	4	52.66374
4	0334	HEIGHT			325.19029	0.00043			325.19072
	0801	LATITUDE	33	24	24.03291	0.00002	33	24	24.03230
4	0801	LONGITUDE	-112	4	21.56516	-0.00005	-112	4	21.565[illegible]
4	0801	HEIGHT			326.87045	0.00043			326.87088
4	0802	LATITUDE	33	24	24.09175	0.00002	33	24	24.09177
4	0802	LONGITUDE	-112	3	18.45099	-0.00005	-112	3	18.45104
4	0802	HEIGHT			329.32889	0.00043			329.32932
4	0332	LATITUDE	33	24	22.87368	0.00002	33	24	22.87370
4	0332	LONGITUDE	-112	7	59.78046	-0.00005	-112	7	59.78051
4	0332	HEIGHT			315.19238	0.00039			315.19277
4	0187	LATITUDE	33	21	46.38625	-0.00002	33	21	46.38623
4	0187	LONGITUDE	-112	18	20.14590	-0.00002	-112	18	20.14592
4	0187	HEIGHT			308.71459	0.00077			308.71536
4	0189	LATITUDE	33	21	39.36483	-0.00002	33	21	39.36482
4	0189	LONGITUDE	-112	15	28.30980	-0.00002	-112	15	28.30982
4	0189	HEIGHT			293.80341	0.00076			293.80417
4	0325	LATITUDE	33	22	12.26041	-0.00002	33	22	12.26040
4	0325	LONGITUDE	-112	13	9.84349	-0.00002	-112	13	9.84352
4	0325	HEIGHT			299.29973	0.00075			299.30049

ODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0186	LATITUDE	33	22	11.49357	-0.00002	33	22	11.49355
4	0186	LONGITUDE	-112	18	19.52731	-0.00002	-112	18	19.52733
4	0186	HEIGHT			292.33681	0.00076			292.33756
4	0339	LATITUDE	33	24	50.27224	-0.00000	33	24	50.27224
4	0339	LONGITUDE	-111	58	38.64573	-0.00006	-111	58	38.64580
4	0339	HEIGHT			347.58352	0.00071			347.58423
4	0340	LATITUDE	33	25	17.80059	-0.00000	33	25	17.80059
4	0340	LONGITUDE	-111	58	36.27550	-0.00006	-111	58	36.27556
4	0340	HEIGHT			346.22357	0.00072			346.22429
4	0804	LATITUDE	33	25	18.61482	-0.00000	33	25	18.61481
4	0804	LONGITUDE	-111	59	41.11067	-0.00006	-111	59	41.11073
4	0804	HEIGHT			341.03094	0.00071			341.03165
4	0805	LATITUDE	33	24	52.32880	-0.00000	33	24	52.32880
4	0805	LONGITUDE	-111	59	40.94892	-0.00006	-111	59	40.94898
4	0805	HEIGHT			342.66543	0.00071			342.66614
4	0707	LATITUDE	33	22	28.77269	-0.00000	33	22	28.77268
[illegible]	0707	LONGITUDE	-111	59	51.45133	-0.00006	-111	59	51.45139
[illegible]	0707	HEIGHT			371.98877	0.00072			371.98949
4	0708	LATITUDE	33	22	40.64971	-0.00000	33	22	40.64971
4	0708	LONGITUDE	-112	0	43.54418	-0.00006	-112	0	43.54424
4	0708	HEIGHT			358.80396	0.00071			358.80467
4	0703	LATITUDE	33	22	41.40801	-0.00000	33	22	41.40801
4	0703	LONGITUDE	-111	56	35.41726	-0.00006	-111	56	35.41732
4	0703	HEIGHT			359.95888	0.00072			359.95960
4	0704	LATITUDE	33	21	48.99764	-0.00000	33	21	48.99764
4	0704	LONGITUDE	-111	56	42.66690	-0.00006	-111	56	42.66696
4	0704	HEIGHT			364.68407	0.00072			364.68478
4	0712	LATITUDE	33	22	39.62384	-0.00000	33	22	39.62384
4	0712	LONGITUDE	-112	4	57.37820	-0.00006	-112	4	57.37827
4	0712	HEIGHT			352.14560	0.00071			352.14631
4	0520	LATITUDE	33	26	38.16633	-0.00001	33	26	38.16631
4	0520	LONGITUDE	-111	51	20.10942	-0.00000	-111	51	20.10943
4	0520	HEIGHT			367.36161	0.00050			367.36211
4	0901	LATITUDE	33	25	44.92494	-0.00001	33	25	44.92492
4	0901	LONGITUDE	-111	54	30.11199	-0.00000	-111	54	30.11200

S tion:

CODE	IDENT.	TYPE			INITIAL	DX			UPDATE
4	0901	HEIGHT			357.45366	0.00050			357.45416
4	0306	LATITUDE	33	26	37.67876	-0.00001	33	26	37.67875
4	0306	LONGITUDE	-111	58	39.83911	0.00001	-111	58	39.83910
4	0306	HEIGHT			351.78796	0.00049			351.78845
4	0307	LATITUDE	33	26	36.28240	-0.00001	33	26	36.28239
4	0307	LONGITUDE	-112	0	3.66038	0.00001	-112	0	3.66037
4	0307	HEIGHT			342.62001	0.00047			342.62048
4	0303	LATITUDE	33	26	39.05493	-0.00001	33	26	39.05492
4	0303	LONGITUDE	-111	54	32.41275	0.00000	-111	54	32.41275
4	0303	HEIGHT			360.18568	0.00031			360.18598
4	0302	LATITUDE	33	27	4.41095	-0.00001	33	27	4.41094
4	0302	LONGITUDE	-111	54	30.82954	0.00000	-111	54	30.82954
4	0302	HEIGHT			362.44797	0.00030			362.44828
4	0516	LATITUDE	33	28	23.70195	-0.00001	33	28	23.70194
4	0516	LONGITUDE	-111	51	21.63092	0.00000	-111	51	21.63092
4	0516	HEIGHT			375.54683	0.00031			375.54713
	0304	LATITUDE	33	26	38.29098	-0.00001	33	26	38.290[illegible]
4	0304	LONGITUDE	-111	55	32.63346	0.00000	-111	55	32.6334[illegible]
4	0304	HEIGHT			362.05512	0.00031			362.05544
4	0508	LATITUDE	33	29	43.26788	-0.00002	33	29	43.26786
4	0508	LONGITUDE	-111	45	7.33766	0.00000	-111	45	7.33766
4	0508	HEIGHT			389.06988	0.00061			389.07049
4	0514	LATITUDE	33	29	16.53809	-0.00002	33	29	16.53807
4	0514	LONGITUDE	-111	49	17.01747	0.00000	-111	49	17.01747
4	0514	HEIGHT			384.92714	0.00061			384.92775
4	0527	LATITUDE	33	28	51.10398	-0.00002	33	28	51.10397
4	0527	LONGITUDE	-111	47	12.42424	0.00000	-111	47	12.42424
4	0527	HEIGHT			382.57891	0.00061			382.57952
4	0504	LATITUDE	33	31	1.59086	-0.00002	33	31	1.59085
4	0504	LONGITUDE	-111	43	2.64844	0.00000	-111	43	2.64844
4	0504	HEIGHT			406.84738	0.00061			406.84799
4	0505	LATITUDE	33	30	35.43287	-0.00002	33	30	35.43285
4	0505	LONGITUDE	-111	43	2.66783	0.00000	-111	43	2.66783
4	0505	HEIGHT			397.89931	0.00061			397.89992

S[illegible]:

ODE	IDENT.	TYPE			INITIAL	DX			UPDATED
4	0531	LATITUDE	33	29	43.23060	-0.00002	33	29	43.23058
4	0531	LONGITUDE	-111	43	10.06926	0.00000	-111	43	10.06926
4	0531	HEIGHT			399.13390	0.00060			399.13450
4	0530	LATITUDE	33	28	51.41693	-0.00002	33	28	51.41692
4	0530	LONGITUDE	-111	43	3.87755	0.00000	-111	43	3.87755
4	0530	HEIGHT			418.84327	0.00061			418.84389
4	0525	LATITUDE	33	27	32.56748	-0.00003	33	27	32.56746
4	0525	LONGITUDE	-111	47	12.71367	0.00005	-111	47	12.71362
4	0525	HEIGHT			394.20430	0.00096			394.20526
4	0515	LATITUDE	33	29	16.24840	-0.00001	33	29	16.24839
4	0515	LONGITUDE	-111	50	19.33332	-0.00001	-111	50	19.33333
4	0515	HEIGHT			381.83892	0.00052			381.83944
4	0507	LATITUDE	33	30	35.47755	-0.00001	33	30	35.47754
4	0507	LONGITUDE	-111	45	7.38921	-0.00001	-111	45	7.38922
4	0507	HEIGHT			393.87179	0.00052			393.87231
4	0511	LATITUDE	33	29	58.59239	-0.00001	33	29	58.59237
[illegible]	0511	LONGITUDE	-111	47	56.24818	-0.00001	-111	47	56.24819
[illegible]	0511	HEIGHT			390.03283	0.00052			390.03335
4	0501	LATITUDE	33	31	27.71817	-0.00001	33	31	27.71816
4	0501	LONGITUDE	-111	40	58.01292	-0.00001	-111	40	58.01293
4	0501	HEIGHT			405.09007	0.00052			405.09059
4	0502	LATITUDE	33	31	30.17468	-0.00001	33	31	30.17467
4	0502	LONGITUDE	-111	42	4.28343	-0.00001	-111	42	4.28344
4	0502	HEIGHT			435.45694	0.00052			435.45746
4	0533	LATITUDE	33	30	35.27288	-0.00001	33	30	35.27287
4	0533	LONGITUDE	-111	40	59.61990	-0.00001	-111	40	59.61991
4	0533	HEIGHT			424.79479	0.00051			424.79530
4	0532	LATITUDE	33	30	13.06366	-0.00001	33	30	13.06364
4	0532	LONGITUDE	-111	40	59.61902	-0.00001	-111	40	59.61903
4	0532	HEIGHT			463.14931	0.00052			463.14984

SOLVE successfully completed.

FORMED:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0001		2-D Lat.	33 22 37.66540	0.0010	-0.0537
0001		2-D Long.	-112 18 19.44160	0.0010	-0.0547
0019		2-D Lat.	33 28 28.83390	0.0010	-0.0114
0019		2-D Long.	-111 45 4.11720	0.0010	-0.0196
0021		2-D Lat.	33 24 24.24140	0.0010	0.0201
0005		2-D Lat.	33 18 24.38300	0.0010	-0.0138
0005		2-D Long.	-112 44 3.12400	0.0010	-0.1470
GROUP: 131533010PT 3					
0013	0015	3-D X-Coord Diff	7640.9180	0.0016	0.0509
0013	0015	3-D Y-Coord Diff	2000.2650	0.0020	0.0247
0013	0015	3-D Z-Coord Diff	7977.1080	0.0020	0.0367
GROUP: 011333020PT 4					
0001	0013	3-D X-Coord Diff	20695.3600	0.0086	-0.1455
GROUP: 011533020PT 5					
0001	0015	3-D X-Coord Diff	28336.2950	0.0096	-0.1116
GROUP: 011333710PT 9					
0001	0013	3-D Y-Coord Diff	-2703.4710	0.0166	-0.1776
GROUP: 151933810PT 19					
0015	0019	3-D Z-Coord Diff	-6927.2700	0.0053	-0.0545
GROUP: 152133840PT 22					
0015	0021	3-D X-Coord Diff	1525.1410	0.0088	0.0923
GROUP: 192133840PT 24					
0[illegible]	0021	3-D Z-Coord Diff	-6286.7350	0.0060	0.067[illegible]
GROUP: 011333910PT 25					
0001	0013	3-D X-Coord Diff	20695.4450	0.0144	-0.2305
GROUP: 011333940PT 26					
0001	0013	3-D X-Coord Diff	20695.3920	0.0090	-0.1775
GROUP: 012133910PT 27					
0001	0021	3-D Z-Coord Diff	2775.5300	0.0058	-0.1122
GROUP: 012133940PT 28					
0001	0021	3-D X-Coord Diff	29861.5480	0.0109	-0.1313
0001	0021	3-D Z-Coord Diff	2775.5620	0.0135	-0.1442
GROUP: 132133910PT 29					
0013	0021	3-D X-Coord Diff	9166.1410	0.0019	0.0613
GROUP: 132133940PT 30					
0013	0021	3-D X-Coord Diff	9166.1320	0.0014	0.0703
0013	0021	3-D Z-Coord Diff	-5236.7890	0.0026	-0.0579
GROUP: 010534010PT 31					
0001	0005	3-D X-Coord Diff	-38532.4040	0.0146	0.2696
0001	0005	3-D Z-Coord Diff	-6496.9000	0.0054	-0.1602
GROUP: 010534040PT 32					
0001	0005	3-D X-Coord Diff	-38532.2820	0.0112	0.1476
GROUP: 010734010PT 33					
0001	0007	3-D X-Coord Diff	-47989.2130	0.0174	0.2623
0001	0007	3-D Z-Coord Diff	3639.8190	0.0065	-0.1390
GROUP: 050734010PT 35					

[illegible]R:

[illegible]005	0007	3-D Y-Coord Diff	11252.5110	0.0119	-0.2172
[illegible]ROUP: 050734040PT 36					
0005	0007	3-D Y-Coord Diff	11252.4890	0.0127	-0.1952
[illegible]ROUP: 191333810PT 40					
[illegible]019	0513	3-D X-Coord Diff	-5589.5420	0.0013	0.0339
0019	0513	3-D Y-Coord Diff	3606.2140	0.0020	0.0359
[illegible]019	0513	3-D Z-Coord Diff	1883.7440	0.0015	-0.0262
[illegible]ROUP: 150133820PT 44					
0015	0301	3-D Y-Coord Diff	-9190.7130	0.0311	-0.3501
GROUP: 132633930PT 46					
[illegible]013	0326	3-D X-Coord Diff	-11747.8370	0.0021	0.0403
[illegible]ROUP: 012633930PT 47					
0001	0326	3-D X-Coord Diff	8947.4700	0.0009	-0.0522
[illegible]001	0326	3-D Z-Coord Diff	-10.6150	0.0018	-0.0867
[illegible]ROUP: 011133940PT 49					
0001	0711	3-D Y-Coord Diff	-9363.6550	0.0257	-0.3257
GROUP: 012934020PT 53					
[illegible]001	0129	3-D Z-Coord Diff	-2709.3310	0.0167	-0.1843
GROUP: 052934020PT 54					
0005	0129	3-D X-Coord Diff	3011.7100	0.0013	-0.1822
[illegible]005	0129	3-D Y-Coord Diff	1619.9890	0.0015	-0.0691
[illegible]005	0129	3-D Z-Coord Diff	3787.5610	0.0013	-0.0161
GROUP: 074134010PT 55					
[illegible]	0141	3-D Y-Coord Diff	-11830.6040	0.0151	0.1547
[illegible]	0141	3-D Z-Coord Diff	-15641.0690	0.0047	-0.0841
GROUP: 054134010PT 56					
0005	0141	3-D X-Coord Diff	-7498.0610	0.0024	-0.1672
[illegible]005	0141	3-D Y-Coord Diff	-578.1000	0.0038	-0.0554
[illegible]005	0141	3-D Z-Coord Diff	-5504.3680	0.0027	-0.0449
GROUP: 077234040PT 59					
[illegible]007	0172	3-D X-Coord Diff	33086.8810	0.0286	-0.3782
[illegible]007	0172	3-D Y-Coord Diff	-18718.4160	0.0224	0.6208
0007	0172	3-D Z-Coord Diff	-7008.8510	0.0263	0.4615
[illegible]ROUP: 057234040PT 60					
[illegible]005	0172	3-D X-Coord Diff	23630.0130	0.0186	-0.3265
0005	0172	3-D Y-Coord Diff	-7465.9920	0.0147	0.4906
0005	0172	3-D Z-Coord Diff	3127.8410	0.0175	0.5097
[illegible]ROUP: 056134030PT 61					
[illegible]005	0161	3-D X-Coord Diff	11231.8630	0.0023	-0.1802
0005	0161	3-D Y-Coord Diff	-3733.7920	0.0049	-0.0982
[illegible]ROUP: 295334410PT 64					
[illegible]129	0153	3-D X-Coord Diff	-455.9930	0.0003	-0.0041
0129	0153	3-D Y-Coord Diff	-1250.1620	0.0005	0.0071
GROUP: 485334410PT 67					
[illegible]148	0153	3-D Y-Coord Diff	1121.3400	0.0006	0.0094
0148	0153	3-D Z-Coord Diff	3909.5690	0.0004	-0.0057
GROUP: 505334410PT 68					
[illegible]150	0153	3-D Y-Coord Diff	490.0010	0.0006	0.0074

F MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
0150	0153	3-D Z-Coord Diff	1995.5590	0.0004	-0.0039
GROUP: 293334420PT 71					
0129	0133	3-D X-Coord Diff	-6461.3710	0.0005	0.0054
GROUP: 323334420PT 72					
0132	0133	3-D X-Coord Diff	-1470.8880	0.0003	0.0046
0132	0133	3-D Z-Coord Diff	75.8010	0.0009	-0.0148
GROUP: 292434430PT 75					
0129	0124	3-D Z-Coord Diff	1329.3270	0.0007	-0.0071
GROUP: 231934440PT 78					
0123	0119	3-D X-Coord Diff	6850.4800	0.0012	-0.0454
0123	0119	3-D Y-Coord Diff	-2366.3850	0.0019	-0.0414
0123	0119	3-D Z-Coord Diff	678.9280	0.0014	0.0236
GROUP: 236434440PT 79					
0123	0164	3-D X-Coord Diff	2436.1130	0.0011	-0.0136
0123	0164	3-D Y-Coord Diff	-2426.5860	0.0017	-0.0178
GROUP: 196434440PT 80					
0119	0164	3-D X-Coord Diff	-4414.3700	0.0011	0.0348
0119	0164	3-D Y-Coord Diff	-60.2030	0.0018	0.0256
0119	0164	3-D Z-Coord Diff	-2684.7410	0.0013	-0.0199
GROUP: 162034510PT 82					
0116	0120	3-D X-Coord Diff	-4482.7340	0.0004	0.0075
0116	0120	3-D Y-Coord Diff	1873.6280	0.0006	-0.0096
G JP: 642635020PT 88					
0164	0126	3-D Y-Coord Diff	1043.6700	0.0008	-0.0079
GROUP: 424434330PT 93					
0142	0144	3-D Y-Coord Diff	-1520.8930	0.0014	0.0195
0142	0144	3-D Z-Coord Diff	-1703.6960	0.0005	-0.0059
GROUP: 616235040PT 95					
0161	0162	3-D X-Coord Diff	994.6240	0.0004	-0.0045
GROUP: 616335040PT 96					
0161	0163	3-D X-Coord Diff	1806.5510	0.0004	-0.0063
0161	0163	3-D Z-Coord Diff	1287.1010	0.0005	0.0062
GROUP: 424534330PT 97					
0142	0145	3-D Y-Coord Diff	-1782.4320	0.0018	0.0204
0142	0145	3-D Z-Coord Diff	-1655.4120	0.0006	-0.0063
GROUP: 071335110PT 99					
0107	0113	3-D X-Coord Diff	-4902.2120	0.0005	0.0056
GROUP: 071635110PT 100					
0107	0116	3-D X-Coord Diff	-8618.6110	0.0006	0.0066
0107	0116	3-D Y-Coord Diff	2151.5500	0.0009	-0.0134
GROUP: 424634330PT 101					
0142	0146	3-D Y-Coord Diff	-1219.4290	0.0013	0.0332
0142	0146	3-D Z-Coord Diff	-443.2810	0.0004	-0.0105
GROUP: 071135120PT 104					
0107	0111	3-D X-Coord Diff	-4305.3480	0.0005	0.0059
0107	0111	3-D Y-Coord Diff	2250.5010	0.0009	0.0086

F[illegible]Q:

A	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
0107	0111	3-D Z-Coord Diff	665.1750	0.0009	-0.012[illegible]
G[illegible]OUP: 071535120PT 106					
0107	0115	3-D X-Coord Diff	-6650.5780	0.0005	0.009[illegible]
0107	0115	3-D Y-Coord Diff	2769.2790	0.0010	0.010[illegible]
0107	0115	3-D Z-Coord Diff	26.1380	0.0011	-0.014[illegible]
G[illegible]OUP: 444634330PT 109					
0144	0146	3-D Y-Coord Diff	301.4650	0.0012	0.012[illegible]
GROUP: 152035130PT 111					
0[illegible]15	0120	3-D X-Coord Diff	-6450.7740	0.0009	0.011[illegible]
G[illegible]OUP: 172035130PT 114					
0117	0120	3-D X-Coord Diff	-3319.7520	0.0009	0.009[illegible]
G[illegible]OUP: 646935140PT 116					
0[illegible]64	0169	3-D X-Coord Diff	7388.6350	0.0007	-0.013[illegible]
0164	0169	3-D Y-Coord Diff	-3230.6550	0.0011	-0.017[illegible]
GROUP: 647335140PT 118					
0[illegible]64	0173	3-D X-Coord Diff	11870.3890	0.0009	-0.0215
0164	0173	3-D Y-Coord Diff	-4954.8680	0.0015	-0.0277
GROUP: 697335140PT 119					
0[illegible]69	0173	3-D X-Coord Diff	4481.7530	0.0005	-0.007[illegible]
0[illegible]69	0173	3-D Y-Coord Diff	-1724.2140	0.0008	-0.009[illegible]
GROUP: 374834340PT 125					
[illegible]	0148	3-D Z-Coord Diff	-163.8410	0.0010	-0.009[illegible]
G[illegible]P: 077835220PT 131					
0107	0178	3-D X-Coord Diff	-594.6420	0.0006	-0.0107
0107	0178	3-D Y-Coord Diff	-1691.4930	0.0011	-0.0117
[illegible]107	0178	3-D Z-Coord Diff	-2679.4620	0.0011	0.027[illegible]
GROUP: 737635220PT 132					
0173	0176	3-D X-Coord Diff	3379.0590	0.0006	-0.007[illegible]
G[illegible]ROUP: 767835220PT 135					
[illegible]176	0178	3-D X-Coord Diff	744.6450	0.0003	-0.004[illegible]
0176	0178	3-D Z-Coord Diff	-0.1380	0.0006	0.008[illegible]
[illegible]ROUP: 034209030PT 136					
[illegible]342	0903	3-D X-Coord Diff	-2062.4520	0.0005	-0.007[illegible]
0342	0903	3-D Z-Coord Diff	727.9710	0.0012	0.012[illegible]
GROUP: 736835230PT 138					
[illegible]173	0168	3-D Z-Coord Diff	-1339.6610	0.0007	-0.0068
[illegible]ROUP: 636835230PT 140					
0163	0168	3-D X-Coord Diff	5964.1280	0.0007	-0.009[illegible]
[illegible]163	0168	3-D Z-Coord Diff	59.0700	0.0006	0.0097
[illegible]ROUP: 637235230PT 142					
0163	0172	3-D X-Coord Diff	10591.4720	0.0012	-0.013[illegible]
[illegible]163	0172	3-D Z-Coord Diff	729.5020	0.0010	0.015[illegible]
[illegible]ROUP: 202635240PT 144					
0120	0126	3-D X-Coord Diff	-8269.1040	0.0012	0.069[illegible]
0120	0126	3-D Y-Coord Diff	1054.1400	0.0018	0.052[illegible]
[illegible]120	0126	3-D Z-Coord Diff	-3383.6700	0.0015	-0.028[illegible]

F' MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
GROUP: 262900930PT 146					
0526	0529	3-D X-Coord Diff	5692.8030	0.0006	0.0083
GROUP: 206435240PT 147					
0120	0164	3-D X-Coord Diff	-3487.4330	0.0006	0.0515
0120	0164	3-D Y-Coord Diff	10.4930	0.0010	0.0374
0120	0164	3-D Z-Coord Diff	-2037.1950	0.0008	-0.0209
GROUP: 265335240PT 148					
0126	0153	3-D X-Coord Diff	-4588.4750	0.0006	0.0360
0126	0153	3-D Y-Coord Diff	1424.5100	0.0009	0.0140
0126	0153	3-D Z-Coord Diff	-690.7800	0.0007	-0.0109
GROUP: 266435240PT 150					
0126	0164	3-D X-Coord Diff	4781.6710	0.0007	-0.0184
0126	0164	3-D Y-Coord Diff	-1043.6470	0.0010	-0.0151
GROUP: 536435240PT 151					
0153	0164	3-D X-Coord Diff	9370.1450	0.0011	-0.0534
0153	0164	3-D Y-Coord Diff	-2468.1560	0.0017	-0.0301
0153	0164	3-D Z-Coord Diff	2037.2560	0.0014	0.0175
GROUP: 222600240PT 159					
0522	0526	3-D X-Coord Diff	3352.9590	0.0004	0.0175
0522	0526	3-D Y-Coord Diff	-367.4330	0.0007	0.0217
0522	0526	3-D Z-Coord Diff	1385.1810	0.0006	-0.0062
GROUP: 525635740PT 182					
C 2	0156	3-D X-Coord Diff	3139.6620	0.0005	-0.012
0152	0156	3-D Y-Coord Diff	-841.6140	0.0008	-0.0208
GROUP: 526035740PT 183					
0152	0160	3-D X-Coord Diff	5933.6540	0.0008	-0.0269
0152	0160	3-D Y-Coord Diff	-2493.6700	0.0013	-0.0446
0152	0160	3-D Z-Coord Diff	12.9110	0.0010	0.0139
GROUP: 566035740PT 186					
0156	0160	3-D X-Coord Diff	2793.9890	0.0005	-0.0114
0156	0160	3-D Y-Coord Diff	-1652.0610	0.0008	-0.0188
GROUP: 737835220PT 188					
0173	0178	3-D X-Coord Diff	4123.7040	0.0008	-0.0119
GROUP: 077635220PT 189					
0107	0176	3-D X-Coord Diff	-1339.2860	0.0006	-0.0068
0107	0176	3-D Z-Coord Diff	-2679.3240	0.0012	0.0193
GROUP: 788535740PT 190					
0178	0185	3-D X-Coord Diff	8986.8820	0.0011	-0.0686
0178	0185	3-D Y-Coord Diff	-3226.9050	0.0012	-0.0592
0178	0185	3-D Z-Coord Diff	665.4390	0.0013	0.0279
GROUP: 922235810PT 193					
0192	0322	3-D Y-Coord Diff	-1602.6390	0.0011	0.0140
GROUP: 912835820PT 208					
0191	0328	3-D X-Coord Diff	7447.2840	0.0006	-0.0063
GROUP: 283135830PT 213					
0328	0331	3-D X-Coord Diff	4636.9420	0.0004	-0.0067

F[illegible]Q:

A	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSURE
GROUP: 263135830PT 216					
[illegible]26	0331	3-D X-Coord Diff	6433.2280	0.0003	-0.0062
G[illegible]OUP: 273135830PT 218					
0327	0331	3-D X-Coord Diff	4809.3310	0.0003	-0.0047
G[illegible]OUP: 303135830PT 219					
[illegible]30	0331	3-D X-Coord Diff	1654.7550	0.0003	-0.0039
GROUP: 171335840PT 220					
0317	0313	3-D X-Coord Diff	6116.1440	0.0007	-0.0150
G[illegible]OUP: 171235840PT 221					
[illegible]17	0312	3-D X-Coord Diff	7615.6240	0.0007	-0.0074
0317	0312	3-D Z-Coord Diff	550.2840	0.0007	0.0092
G[illegible]OUP: 171535840PT 222					
[illegible]17	0315	3-D X-Coord Diff	3001.0480	0.0006	-0.0067
GROUP: 131235840PT 223					
0013	0312	3-D X-Coord Diff	-246.2800	0.0008	0.0638
[illegible]13	0312	3-D Y-Coord Diff	-2256.5330	0.0014	0.0205
0013	0312	3-D Z-Coord Diff	-3312.1800	0.0009	-0.0220
GROUP: 131335840PT 224					
[illegible]13	0313	3-D X-Coord Diff	-1745.7540	0.0008	0.0502
[illegible]13	0313	3-D Z-Coord Diff	-3316.2570	0.0009	-0.0173
GROUP: 131535840PT 225					
[illegible]	0315	3-D X-Coord Diff	-3115.1000	0.0006	0.0123
[illegible]: 130336010PT 229					
0013	0803	3-D X-Coord Diff	4447.4330	0.0044	0.0446
G[illegible]OUP: 363436030PT 237					
[illegible]336	0334	3-D X-Coord Diff	-4501.7520	0.0005	0.0096
0336	0334	3-D Y-Coord Diff	1819.3650	0.0007	0.0096
GROUP: 360136030PT 238					
[illegible]336	0801	3-D X-Coord Diff	-3757.0910	0.0005	0.0068
[illegible]OUP: 360236030PT 239					
0336	0802	3-D X-Coord Diff	-2245.9700	0.0004	0.0047
[illegible]336	0802	3-D Y-Coord Diff	903.5740	0.0005	0.0059
[illegible]ROUP: 340136030PT 240					
0334	0801	3-D X-Coord Diff	744.6640	0.0004	-0.0057
GROUP: 340236030PT 241					
[illegible]334	0802	3-D X-Coord Diff	2255.7830	0.0005	-0.0058
[illegible]ROUP: 341236040PT 243					
0334	0312	3-D Z-Coord Diff	1981.0190	0.0005	-0.0082
[illegible]ROUP: 343136040PT 244					
[illegible]334	0331	3-D X-Coord Diff	-4615.9470	0.0004	0.0156
0334	0331	3-D Z-Coord Diff	-683.5940	0.0005	-0.0065
[illegible]ROUP: 343236040PT 245					
[illegible]334	0332	3-D X-Coord Diff	-4483.6600	0.0006	0.0126
0334	0332	3-D Z-Coord Diff	-33.3790	0.0007	-0.0084
GROUP: 123136040PT 246					
[illegible]312	0331	3-D X-Coord Diff	-5068.3700	0.0006	0.0113

F "MEQ:

AT	TO	OBS TYPE	OBSERVATION	APPROX.SIG.	MISCLOSUR
0312	0331	3-D Y-Coord Diff	176.1240	0.0012	-0.0123
GROUP: 313236040PT 248					
0331	0332	3-D X-Coord Diff	132.2890	0.0004	-0.0050
GROUP: 878936050PT 249					
0187	0189	3-D Z-Coord Diff	-188.8820	0.0005	0.0055
GROUP: 872536050PT 250					
0187	0325	3-D X-Coord Diff	7593.3910	0.0007	-0.0086
0187	0325	3-D Z-Coord Diff	660.5750	0.0007	0.0118
GROUP: 872636050PT 251					
0187	0326	3-D Z-Coord Diff	1332.9270	0.0007	0.0077
GROUP: 878536060PT 255					
0187	0185	3-D X-Coord Diff	-1293.0250	0.0003	0.0083
0187	0185	3-D Y-Coord Diff	1007.3220	0.0004	0.0132
0187	0185	3-D Z-Coord Diff	640.7000	0.0003	-0.0049
GROUP: 879036060PT 257					
0187	0190	3-D X-Coord Diff	3297.6020	0.0005	-0.0155
0187	0190	3-D Y-Coord Diff	-381.2430	0.0008	-0.0250
GROUP: 858636060PT 258					
0185	0186	3-D X-Coord Diff	1474.4840	0.0003	-0.0075
0185	0186	3-D Y-Coord Diff	-607.1350	0.0005	-0.0124
GROUP: 859036060PT 259					
0185	0190	3-D X-Coord Diff	4590.6240	0.0005	-0.0209
0185	0190	3-D Y-Coord Diff	-1388.5700	0.0008	-0.033[illegible]
0185	0190	3-D Z-Coord Diff	692.6030	0.0006	0.008[illegible]
GROUP: 869036060PT 260					
0186	0190	3-D X-Coord Diff	3116.1400	0.0005	-0.0134
0186	0190	3-D Y-Coord Diff	-781.4340	0.0008	-0.0219
GROUP: 390236110PT 262					
0339	0702	3-D Y-Coord Diff	-1560.3340	0.0008	0.0117
0339	0702	3-D Z-Coord Diff	-596.3500	0.0005	-0.0065
GROUP: 400236110PT 263					
0340	0702	3-D Y-Coord Diff	-1971.6300	0.0007	0.0134
0340	0702	3-D Z-Coord Diff	-1303.5210	0.0004	-0.0078
GROUP: 360536120PT 268					
0336	0805	3-D X-Coord Diff	3139.6480	0.0003	-0.0034
GROUP: 052136150PT 270					
0805	0021	3-D X-Coord Diff	2223.4740	0.0005	-0.0153
0805	0021	3-D Z-Coord Diff	-682.9140	0.0005	0.0089
GROUP: 210736150PT 273					
0021	0707	3-D X-Coord Diff	-3396.0940	0.0006	0.0069
GROUP: 210836150PT 274					
0021	0708	3-D X-Coord Diff	-4565.0720	0.0007	0.0094
0021	0708	3-D Z-Coord Diff	-2695.3040	0.0007	-0.0075
GROUP: 070836150PT 275					
0707	0708	3-D Z-Coord Diff	298.3270	0.0005	-0.0052
GROUP: 083436140PT 282					

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

FORMEQ:

0[illegible]	0334	3-D Z-Coord Diff	2638.9540	0.0006	-0.0084
GROUP: 034209020PT 297					
0342	0902	3-D X-Coord Diff	177.7610	0.0005	-0.0047
GROUP: 030703080PT 303					
[illegible]307	0308	3-D Z-Coord Diff	-666.6070	0.0004	0.0043
GROUP: 030803400PT 305					
0308	0340	3-D Z-Coord Diff	-1349.3130	0.0005	-0.0047
GROUP: 222500240PT 337					
[illegible]522	0525	3-D X-Coord Diff	3176.1210	0.0005	0.0119
0522	0525	3-D Y-Coord Diff	-788.0970	0.0008	0.0147
GROUP: 252600240PT 338					
[illegible]525	0526	3-D X-Coord Diff	176.8370	0.0004	0.0066
0525	0526	3-D Y-Coord Diff	420.6630	0.0006	0.0080
GROUP: 420200910PT 363					
[illegible]342	0702	3-D X-Coord Diff	-1831.2990	0.0006	0.0072
0342	0702	3-D Z-Coord Diff	-1267.5850	0.0005	-0.0079
GROUP: 192600930PT 365					
[illegible]019	0526	3-D X-Coord Diff	-3256.4390	0.0007	-0.0114
GROUP: 020301410PT 367					
0702	0703	3-D Z-Coord Diff	-2711.5270	0.0005	-0.0082

FORMEQ successfully completed.

S' VE:

Adjusted Values (Iteration Count = 3):

CODE	IDENT.	TYPE			INITIAL	DX			ADJUSTED
14	0013	LATITUDE	33	27	49.73970	FIXED			
14	0013	LONGITUDE	-112	5	18.28990	FIXED			
14	0013	HEIGHT			329.50000	FIXED			
4	0001	LATITUDE	33	22	37.66366	0.00000	33	22	37.66366
4	0001	LONGITUDE	-112	18	19.44372	-0.00000	-112	18	19.44372
4	0001	HEIGHT			352.84004	-0.00000			352.84004
4	0015	LATITUDE	33	32	50.24118	0.00000	33	32	50.24118
4	0015	LONGITUDE	-112	1	13.03432	0.00000	-112	1	13.03432
4	0015	HEIGHT			794.83424	0.00000			794.83424
4	0007	LATITUDE	33	24	58.90105	-0.00000	33	24	58.90105
4	0007	LONGITUDE	-112	52	28.98520	0.00000	-112	52	28.98520
4	0007	HEIGHT			365.07339	-0.00000			365.07339
4	0009	LATITUDE	33	31	12.92209	-0.00000	33	31	12.92209
4	0009	LONGITUDE	-112	21	40.56597	0.00000	-112	21	40.56597
4	0009	HEIGHT			340.43795	0.00000			340.43795
	0019	LATITUDE	33	28	28.83353	-0.00000	33	28	28.833[illegible]
4	0019	LONGITUDE	-111	45	4.11796	-0.00000	-111	45	4.117[illegible]
4	0019	HEIGHT			411.21355	0.00000			411.21355
4	0021	LATITUDE	33	24	24.24205	0.00000	33	24	24.24205
4	0021	LONGITUDE	-111	57	59.78149	0.00000	-111	57	59.78149
4	0021	HEIGHT			414.28889	-0.00000			414.28889
4	0005	LATITUDE	33	18	24.38255	0.00000	33	18	24.38255
4	0005	LONGITUDE	-112	44	3.12968	-0.00000	-112	44	3.12968
4	0005	HEIGHT			392.80347	0.00000			392.80347
4	0301	LATITUDE	33	27	30.72374	-0.00000	33	27	30.72374
4	0301	LONGITUDE	-111	53	28.39355	0.00000	-111	53	28.39355
4	0301	HEIGHT			363.74345	-0.00000			363.74345
4	0513	LATITUDE	33	29	42.64191	0.00000	33	29	42.64191
4	0513	LONGITUDE	-111	49	16.98799	0.00000	-111	49	16.98799
4	0513	HEIGHT			387.81008	-0.00000			387.81008
4	0705	LATITUDE	33	21	48.97991	-0.00000	33	21	48.97991
4	0705	LONGITUDE	-111	58	25.63539	0.00000	-111	58	25.63539
4	0705	HEIGHT			399.79275	0.00000			399.79275

SC[illegible]

ODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0326	LATITUDE	33	22	38.31805	0.00000	33	22	38.31805
4	0326	LONGITUDE	-112	12	6.29847	0.00000	-112	12	6.29847
4	0326	HEIGHT			302.78464	-0.00000			302.78464
4	0711	LATITUDE	33	21	26.04094	0.00000	33	21	26.04094
4	0711	LONGITUDE	-112	4	19.06069	-0.00000	-112	4	19.06069
4	0711	HEIGHT			398.04962	-0.00000			398.04962
4	0192	LATITUDE	33	24	23.13961	-0.00000	33	24	23.13961
4	0192	LONGITUDE	-112	16	17.63148	0.00000	-112	16	17.63148
4	0192	HEIGHT			299.84257	0.00000			299.84257
4	0129	LATITUDE	33	20	54.49199	-0.00000	33	20	54.49199
4	0129	LONGITUDE	-112	42	39.92521	-0.00000	-112	42	39.92521
4	0129	HEIGHT			253.36069	0.00000			253.36069
4	0141	LATITUDE	33	14	53.83624	0.00000	33	14	53.83624
4	0141	LONGITUDE	-112	48	21.63882	0.00000	-112	48	21.63882
4	0141	HEIGHT			244.44035	-0.00000			244.44035
4	0161	LATITUDE	33	19	10.29106	0.00000	33	19	10.29106
[illegible]	0161	LONGITUDE	-112	36	26.86845	0.00000	-112	36	26.86845
[illegible]	0161	HEIGHT			264.87926	0.00000			264.87926
4	0172	LATITUDE	33	20	28.26494	0.00000	33	20	28.26494
4	0172	LONGITUDE	-112	28	8.81887	-0.00000	-112	28	8.81887
4	0172	HEIGHT			282.12735	-0.00000			282.12735
4	0148	LATITUDE	33	17	3.85247	0.00000	33	17	3.85247
4	0148	LONGITUDE	-112	44	41.81948	-0.00000	-112	44	41.81948
4	0148	HEIGHT			240.27313	0.00000			240.27313
4	0150	LATITUDE	33	18	18.17980	-0.00000	33	18	18.17980
4	0150	LONGITUDE	-112	43	49.01768	-0.00000	-112	43	49.01768
4	0150	HEIGHT			240.21281	0.00000			240.21281
4	0153	LATITUDE	33	19	35.58334	0.00000	33	19	35.58334
4	0153	LONGITUDE	-112	42	37.52716	0.00000	-112	42	37.52716
4	0153	HEIGHT			245.25673	-0.00000			245.25673
4	0136	LATITUDE	33	18	16.37874	-0.00000	33	18	16.37874
4	0136	LONGITUDE	-112	47	32.54091	-0.00000	-112	47	32.54091
4	0136	HEIGHT			242.04124	-0.00000			242.04124
4	0137	LATITUDE	33	17	10.21181	0.00000	33	17	10.21181
4	0137	LONGITUDE	-112	48	31.06469	-0.00000	-112	48	31.06469

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

Adjusted Values:

CODE	IDENT.	TYPE			INITIAL	DX			ADJUSTED
4	0137	HEIGHT			240.40187	0.00000			240.40187
4	0140	LATITUDE	33	15	50.43566	0.00000	33	15	50.43566
4	0140	LONGITUDE	-112	48	0.13328	-0.00000	-112	48	0.13328
4	0140	HEIGHT			237.18898	-0.00000			237.18898
4	0132	LATITUDE	33	19	32.42568	0.00000	33	19	32.42568
4	0132	LONGITUDE	-112	45	46.77797	0.00000	-112	45	46.77797
4	0132	HEIGHT			242.97730	0.00000			242.97730
4	0133	LATITUDE	33	19	35.17818	-0.00000	33	19	35.17818
4	0133	LONGITUDE	-112	46	49.08764	0.00000	-112	46	49.08764
4	0133	HEIGHT			251.95115	0.00000			251.95115
4	0123	LATITUDE	33	22	12.22018	0.00000	33	22	12.22018
4	0123	LONGITUDE	-112	38	29.48259	-0.00000	-112	38	29.48259
4	0123	HEIGHT			266.86874	0.00000			266.86874
4	0124	LATITUDE	33	21	45.96675	0.00000	33	21	45.96675
4	0124	LONGITUDE	-112	39	33.14727	-0.00000	-112	39	33.14727
4	0124	HEIGHT			261.86515	-0.00000			261.86515
	0142	LATITUDE	33	14	42.51651	0.00000	33	14	42.516
4	0142	LONGITUDE	-112	47	12.00105	-0.00000	-112	47	12.00105
4	0142	HEIGHT			231.93210	-0.00000			231.93210
4	0119	LATITUDE	33	22	38.62660	0.00000	33	22	38.62660
4	0119	LONGITUDE	-112	33	49.65548	-0.00000	-112	33	49.65548
4	0119	HEIGHT			266.05277	0.00000			266.05277
4	0164	LATITUDE	33	20	54.59057	0.00000	33	20	54.59057
4	0164	LONGITUDE	-112	36	26.40758	-0.00000	-112	36	26.40758
4	0164	HEIGHT			251.98819	-0.00000			251.98819
4	0116	LATITUDE	33	22	12.87776	0.00000	33	22	12.87776
4	0116	LONGITUDE	-112	31	13.78102	0.00000	-112	31	13.78102
4	0116	HEIGHT			261.54162	-0.00000			261.54162
4	0120	LATITUDE	33	22	13.55665	-0.00000	33	22	13.55665
4	0120	LONGITUDE	-112	34	21.71768	0.00000	-112	34	21.71768
4	0120	HEIGHT			261.45007	-0.00000			261.45007
4	0160	LATITUDE	33	18	19.11763	0.00000	33	18	19.11763
4	0160	LONGITUDE	-112	37	28.83852	0.00000	-112	37	28.83852
4	0160	HEIGHT			269.29294	0.00000			269.29294

S[illegible]:

[illegible]DE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0125	LATITUDE	33	20	53.67872	-0.00000	33	20	53.67872
4	0125	LONGITUDE	-112	39	32.85759	-0.00000	-112	39	32.85759
4	0125	HEIGHT			252.16867	0.00000			252.16867
4	0126	LATITUDE	33	20	2.43661	0.00000	33	20	2.43661
4	0126	LONGITUDE	-112	39	32.60099	0.00000	-112	39	32.60099
4	0126	HEIGHT			244.44856	0.00000			244.44856
4	0151	LATITUDE	33	18	18.62664	0.00000	33	18	18.62664
4	0151	LONGITUDE	-112	42	39.66326	-0.00000	-112	42	39.66326
4	0151	HEIGHT			241.19369	-0.00000			241.19369
4	0152	LATITUDE	33	18	19.03978	-0.00000	33	18	19.03978
4	0152	LONGITUDE	-112	41	37.62322	-0.00000	-112	41	37.62322
4	0152	HEIGHT			249.40548	-0.00000			249.40548
4	0144	LATITUDE	33	13	36.31219	-0.00000	33	13	36.31219
4	0144	LONGITUDE	-112	46	23.42723	-0.00000	-112	46	23.42723
4	0144	HEIGHT			236.10901	0.00000			236.10901
4	0162	LATITUDE	33	19	37.28979	0.00000	33	19	37.28979
[illegible]	0162	LONGITUDE	-112	35	52.71976	-0.00000	-112	35	52.71976
[illegible]	0162	HEIGHT			253.81324	-0.00000			253.81324
4	0163	LATITUDE	33	20	0.50739	0.00000	33	20	0.50739
4	0163	LONGITUDE	-112	35	25.02916	0.00000	-112	35	25.02916
4	0163	HEIGHT			254.72454	0.00000			254.72454
4	0145	LATITUDE	33	13	38.36361	0.00000	33	13	38.36361
4	0145	LONGITUDE	-112	45	53.49913	0.00000	-112	45	53.49913
4	0145	HEIGHT			227.74399	-0.00000			227.74399
4	0107	LATITUDE	33	23	30.38571	0.00000	33	23	30.38571
4	0107	LONGITUDE	-112	25	33.86018	0.00000	-112	25	33.86018
4	0107	HEIGHT			270.54413	0.00000			270.54413
4	0113	LATITUDE	33	22	12.93648	0.00000	33	22	12.93648
4	0113	LONGITUDE	-112	28	38.11240	-0.00000	-112	28	38.11240
4	0113	HEIGHT			267.82838	-0.00000			267.82838
4	0146	LATITUDE	33	14	25.29166	-0.00000	33	14	25.29166
4	0146	LONGITUDE	-112	45	37.16325	-0.00000	-112	45	37.16325
4	0146	HEIGHT			232.90644	-0.00000			232.90644
4	0112	LATITUDE	33	23	31.27990	-0.00000	33	23	31.27990
4	0112	LONGITUDE	-112	28	41.06145	-0.00000	-112	28	41.06145

A usted Values:

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0112	HEIGHT			267.97908	-0.00000			267.97908
4	0111	LATITUDE	33	23	56.19411	-0.00000	33	23	56.19411
4	0111	LONGITUDE	-112	28	41.07553	0.00000	-112	28	41.07553
4	0111	HEIGHT			272.92585	-0.00000			272.92585
4	0115	LATITUDE	33	23	31.41263	0.00000	33	23	31.41263
4	0115	LONGITUDE	-112	30	12.59618	-0.00000	-112	30	12.59618
4	0115	HEIGHT			270.01432	-0.00000			270.01432
4	0117	LATITUDE	33	23	5.49567	-0.00000	33	23	5.49567
4	0117	LONGITUDE	-112	32	16.72533	0.00000	-112	32	16.72533
4	0117	HEIGHT			267.11055	-0.00000			267.11055
4	0169	LATITUDE	33	20	46.27775	-0.00000	33	20	46.27775
4	0169	LONGITUDE	-112	31	14.60883	0.00000	-112	31	14.60883
4	0169	HEIGHT			260.90946	0.00000			260.90946
4	0173	LATITUDE	33	20	54.34065	-0.00000	33	20	54.34065
4	0173	LONGITUDE	-112	28	8.96785	0.00000	-112	28	8.96785
4	0173	HEIGHT			278.70131	0.00000			278.70131
	0108	LATITUDE	33	24	23.59733	0.00000	33	24	23.597[illegible]
4	0108	LONGITUDE	-112	26	36.33557	-0.00000	-112	26	36.33557
4	0108	HEIGHT			274.06505	-0.00000			274.06505
4	0147	LATITUDE	33	15	44.80716	-0.00000	33	15	44.80716
4	0147	LONGITUDE	-112	45	43.77807	-0.00000	-112	45	43.77807
4	0147	HEIGHT			231.34765	-0.00000			231.34765
4	0702	LATITUDE	33	24	26.94788	-0.00000	33	24	26.94788
4	0702	LONGITUDE	-111	56	35.66437	-0.00000	-111	56	35.66437
4	0702	HEIGHT			353.94631	-0.00000			353.94631
4	0902	LATITUDE	33	25	43.52911	-0.00000	33	25	43.52911
4	0902	LONGITUDE	-111	55	32.08631	0.00000	-111	55	32.08631
4	0902	HEIGHT			354.51374	0.00000			354.51374
4	0178	LATITUDE	33	21	45.78958	-0.00000	33	21	45.78958
4	0178	LONGITUDE	-112	25	30.16201	0.00000	-112	25	30.16201
4	0178	HEIGHT			291.58847	-0.00000			291.58847
4	0176	LATITUDE	33	21	45.88087	-0.00000	33	21	45.88087
4	0176	LONGITUDE	-112	26	1.39914	0.00000	-112	26	1.39914
4	0176	HEIGHT			287.55293	0.00000			287.55293

UNSCALED, #S CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

OLVE:

	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0519	LATITUDE	33	25	45.67633	-0.00000	33	25	45.67633
4	0519	LONGITUDE	-111	51	20.26746	0.00000	-111	51	20.26746
4	0519	HEIGHT			376.15549	0.00000			376.15549
4	0342	LATITUDE	33	25	16.14437	-0.00000	33	25	16.14437
4	0342	LONGITUDE	-111	55	32.21289	0.00000	-111	55	32.21289
4	0342	HEIGHT			358.30496	0.00000			358.30496
4	0903	LATITUDE	33	25	44.59319	0.00000	33	25	44.59319
4	0903	LONGITUDE	-111	57	5.88472	-0.00000	-111	57	5.88472
4	0903	HEIGHT			351.86274	-0.00000			351.86274
4	0168	LATITUDE	33	20	2.40003	-0.00000	33	20	2.40003
4	0168	LONGITUDE	-112	31	15.58293	-0.00000	-112	31	15.58293
4	0168	HEIGHT			273.58223	0.00000			273.58223
4	0134	LATITUDE	33	19	13.05587	-0.00000	33	19	13.05587
4	0134	LONGITUDE	-112	47	33.27849	-0.00000	-112	47	33.27849
4	0134	HEIGHT			244.80962	0.00000			244.80962
4	0526	LATITUDE	33	27	58.86841	-0.00000	33	27	58.86841
	0526	LONGITUDE	-111	47	12.40082	-0.00000	-111	47	12.40082
	0526	HEIGHT			382.88236	-0.00000			382.88236
4	0529	LATITUDE	33	29	15.58742	0.00000	33	29	15.58742
4	0529	LONGITUDE	-111	43	34.95883	0.00000	-111	43	34.95883
4	0529	HEIGHT			399.24372	-0.00000			399.24372
4	0102	LATITUDE	33	24	47.92952	-0.00000	33	24	47.92952
4	0102	LONGITUDE	-112	19	22.03969	0.00000	-112	19	22.03969
4	0102	HEIGHT			289.01465	0.00000			289.01465
4	0104	LATITUDE	33	24	49.40634	0.00000	33	24	49.40634
4	0104	LONGITUDE	-112	22	27.69556	-0.00000	-112	22	27.69556
4	0104	HEIGHT			286.49666	0.00000			286.49666
4	0193	LATITUDE	33	24	49.26646	0.00000	33	24	49.26646
4	0193	LONGITUDE	-112	17	19.46521	0.00000	-112	17	19.46521
4	0193	HEIGHT			293.67162	-0.00000			293.67162
4	0522	LATITUDE	33	27	5.17810	0.00000	33	27	5.17810
4	0522	LONGITUDE	-111	49	18.22575	-0.00000	-111	49	18.22575
4	0522	HEIGHT			373.61675	-0.00000			373.61675
4	0180	LATITUDE	33	22	51.39026	-0.00000	33	22	51.39026
4	0180	LONGITUDE	-112	22	28.49976	0.00000	-112	22	28.49976

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

Adjusted Values:

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0180	HEIGHT			284.10563	0.00000			284.10563
4	0181	LATITUDE	33	23	33.16393	0.00000	33	23	33.16393
4	0181	LONGITUDE	-112	22	28.27748	-0.00000	-112	22	28.27748
4	0181	HEIGHT			280.82052	0.00000			280.82052
4	0184	LATITUDE	33	23	30.32343	0.00000	33	23	30.32343
4	0184	LONGITUDE	-112	19	21.17164	-0.00000	-112	19	21.17164
4	0184	HEIGHT			284.69086	-0.00000			284.69086
4	0191	LATITUDE	33	23	32.17879	-0.00000	33	23	32.17879
4	0191	LONGITUDE	-112	16	17.07009	-0.00000	-112	16	17.07009
4	0191	HEIGHT			292.41510	0.00000			292.41510
4	0127	LATITUDE	33	21	20.25032	0.00000	33	21	20.25032
4	0127	LONGITUDE	-112	40	34.57271	0.00000	-112	40	34.57271
4	0127	HEIGHT			259.76939	-0.00000			259.76939
4	0130	LATITUDE	33	20	29.18261	-0.00000	33	20	29.18261
4	0130	LONGITUDE	-112	44	13.11851	0.00000	-112	44	13.11851
4	0130	HEIGHT			281.84919	0.00000			281.84919
	0156	LATITUDE	33	18	44.72379	-0.00000	33	18	44.723[illegible]
4	0156	LONGITUDE	-112	39	33.09990	-0.00000	-112	39	33.09990
4	0156	HEIGHT			250.23117	0.00000			250.23117
4	0523	LATITUDE	33	27	58.97258	0.00000	33	27	58.97258
4	0523	LONGITUDE	-111	49	19.13249	-0.00000	-111	49	19.13249
4	0523	HEIGHT			374.40330	0.00000			374.40330
4	0517	LATITUDE	33	27	57.63653	-0.00000	33	27	57.63653
4	0517	LONGITUDE	-111	51	22.36268	0.00000	-111	51	22.36268
4	0517	HEIGHT			372.02579	-0.00000			372.02579
4	0344	LATITUDE	33	25	19.38612	0.00000	33	25	19.38612
4	0344	LONGITUDE	-111	52	56.33817	-0.00000	-111	52	56.33817
4	0344	HEIGHT			363.51914	0.00000			363.51914
4	0185	LATITUDE	33	22	11.62604	0.00000	33	22	11.62604
4	0185	LONGITUDE	-112	19	21.20838	0.00000	-112	19	21.20838
4	0185	HEIGHT			292.81053	-0.00000			292.81053
4	0318	LATITUDE	33	24	54.80983	-0.00000	33	24	54.80983
4	0318	LONGITUDE	-112	11	8.85381	-0.00000	-112	11	8.85381
4	0318	HEIGHT			308.97419	-0.00000			308.97419

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0320	LATITUDE	33	24	30.22149	-0.00000	33	24	30.22149
4	0320	LONGITUDE	-112	13	14.46004	0.00000	-112	13	14.46004
4	0320	HEIGHT			302.80980	-0.00000			302.80980
4	0322	LATITUDE	33	24	0.23300	0.00000	33	24	0.23300
4	0322	LONGITUDE	-112	14	10.54677	0.00000	-112	14	10.54677
4	0322	HEIGHT			298.91965	-0.00000			298.91965
4	0317	LATITUDE	33	25	19.87945	-0.00000	33	25	19.87945
4	0317	LONGITUDE	-112	10	7.02895	-0.00000	-112	10	7.02895
4	0317	HEIGHT			311.72405	0.00000			311.72405
4	0190	LATITUDE	33	22	38.55810	-0.00000	33	22	38.55810
4	0190	LONGITUDE	-112	16	16.52667	0.00000	-112	16	16.52667
4	0190	HEIGHT			292.23428	0.00000			292.23428
4	0321	LATITUDE	33	23	30.51197	0.00000	33	23	30.51197
4	0321	LONGITUDE	-112	13	9.23799	-0.00000	-112	13	9.23799
4	0321	HEIGHT			299.02652	-0.00000			299.02652
4	0328	LATITUDE	33	23	30.55518	0.00000	33	23	30.55518
4	0328	LONGITUDE	-112	11	5.17424	-0.00000	-112	11	5.17424
4	0328	HEIGHT			306.28132	-0.00000			306.28132
4	0327	LATITUDE	33	23	4.69707	-0.00000	33	23	4.69707
4	0327	LONGITUDE	-112	11	5.47279	0.00000	-112	11	5.47279
4	0327	HEIGHT			305.33732	0.00000			305.33732
4	0330	LATITUDE	33	23	31.17406	0.00000	33	23	31.17406
4	0330	LONGITUDE	-112	9	0.68531	-0.00000	-112	9	0.68531
4	0330	HEIGHT			310.89616	0.00000			310.89616
4	0331	LATITUDE	33	23	57.60733	-0.00000	33	23	57.60733
4	0331	LONGITUDE	-112	7	58.57016	-0.00000	-112	7	58.57016
4	0331	HEIGHT			314.54936	0.00000			314.54936
4	0313	LATITUDE	33	25	40.88220	0.00000	33	25	40.88220
4	0313	LONGITUDE	-112	5	56.93013	-0.00000	-112	5	56.93013
4	0313	HEIGHT			322.90656	-0.00000			322.90656
4	0312	LATITUDE	33	25	40.97598	-0.00000	33	25	40.97598
4	0312	LONGITUDE	-112	4	54.27651	-0.00000	-112	4	54.27651
4	0312	HEIGHT			325.92116	0.00000			325.92116
4	0315	LATITUDE	33	25	20.67412	0.00000	33	25	20.67412
4	0315	LONGITUDE	-112	8	1.76948	-0.00000	-112	8	1.76948

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

Adjusted Values:

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0315	HEIGHT			316.39540	-0.00000			316.39540
4	0308	LATITUDE	33	26	10.39763	0.00000	33	26	10.39763
4	0308	LONGITUDE	-112	0	37.89435	-0.00000	-112	0	37.89435
4	0308	HEIGHT			340.59676	0.00000			340.59676
4	0803	LATITUDE	33	26	12.19936	-0.00000	33	26	12.19936
4	0803	LONGITUDE	-112	1	46.41775	-0.00000	-112	1	46.41775
4	0803	HEIGHT			336.37683	0.00000			336.37683
4	0309	LATITUDE	33	25	46.07954	0.00000	33	25	46.07954
4	0309	LONGITUDE	-112	1	46.70377	0.00000	-112	1	46.70377
4	0309	HEIGHT			335.43171	-0.00000			335.43171
4	0310	LATITUDE	33	25	19.96443	0.00000	33	25	19.96443
4	0310	LONGITUDE	-112	1	46.98830	-0.00000	-112	1	46.98830
4	0310	HEIGHT			334.11188	-0.00000			334.11188
4	0336	LATITUDE	33	24	24.71873	-0.00000	33	24	24.71873
4	0336	LONGITUDE	-112	1	44.76767	0.00000	-112	1	44.76767
4	0336	HEIGHT			335.66280	0.00000			335.66280
	0334	LATITUDE	33	24	23.95782	0.00000	33	24	23.957[illegible]
4	0334	LONGITUDE	-112	4	52.66374	-0.00000	-112	4	52.66374
4	0334	HEIGHT			325.19072	-0.00000			325.19072
4	0801	LATITUDE	33	24	24.03293	0.00000	33	24	24.03293
4	0801	LONGITUDE	-112	4	21.56521	0.00000	-112	4	21.56521
4	0801	HEIGHT			326.87088	-0.00000			326.87088
4	0802	LATITUDE	33	24	24.09177	-0.00000	33	24	24.09177
4	0802	LONGITUDE	-112	3	18.45104	0.00000	-112	3	18.45104
4	0802	HEIGHT			329.32932	-0.00000			329.32932
4	0332	LATITUDE	33	24	22.87370	-0.00000	33	24	22.87370
4	0332	LONGITUDE	-112	7	59.78051	-0.00000	-112	7	59.78051
4	0332	HEIGHT			315.19277	-0.00000			315.19277
4	0187	LATITUDE	33	21	46.38623	-0.00000	33	21	46.38623
4	0187	LONGITUDE	-112	18	20.14592	0.00000	-112	18	20.14592
4	0187	HEIGHT			308.71536	0.00000			308.71536
4	0189	LATITUDE	33	21	39.36482	0.00000	33	21	39.36482
4	0189	LONGITUDE	-112	15	28.30982	-0.00000	-112	15	28.30982
4	0189	HEIGHT			293.80417	0.00000			293.80417

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0325	LATITUDE	33	22	12.26040	0.00000	33	22	12.26040
4	0325	LONGITUDE	-112	13	9.84352	0.00000	-112	13	9.84352
4	0325	HEIGHT			299.30049	-0.00000			299.30049
4	0186	LATITUDE	33	22	11.49355	0.00000	33	22	11.49355
4	0186	LONGITUDE	-112	18	19.52733	0.00000	-112	18	19.52733
4	0186	HEIGHT			292.33756	-0.00000			292.33756
4	0339	LATITUDE	33	24	50.27224	0.00000	33	24	50.27224
4	0339	LONGITUDE	-111	58	38.64580	0.00000	-111	58	38.64580
4	0339	HEIGHT			347.58423	0.00000			347.58423
4	0340	LATITUDE	33	25	17.80059	-0.00000	33	25	17.80059
4	0340	LONGITUDE	-111	58	36.27556	0.00000	-111	58	36.27556
4	0340	HEIGHT			346.22429	-0.00000			346.22429
4	0804	LATITUDE	33	25	18.61481	-0.00000	33	25	18.61481
4	0804	LONGITUDE	-111	59	41.11073	-0.00000	-111	59	41.11073
4	0804	HEIGHT			341.03165	0.00000			341.03165
4	0805	LATITUDE	33	24	52.32880	-0.00000	33	24	52.32880
[illegible]	0805	LONGITUDE	-111	59	40.94898	-0.00000	-111	59	40.94898
[illegible]	0805	HEIGHT			342.66614	0.00000			342.66614
4	0707	LATITUDE	33	22	28.77268	0.00000	33	22	28.77268
4	0707	LONGITUDE	-111	59	51.45139	-0.00000	-111	59	51.45139
4	0707	HEIGHT			371.98949	-0.00000			371.98949
4	0708	LATITUDE	33	22	40.64971	0.00000	33	22	40.64971
4	0708	LONGITUDE	-112	0	43.54424	-0.00000	-112	0	43.54424
4	0708	HEIGHT			358.80467	0.00000			358.80467
4	0703	LATITUDE	33	22	41.40801	0.00000	33	22	41.40801
4	0703	LONGITUDE	-111	56	35.41732	0.00000	-111	56	35.41732
4	0703	HEIGHT			359.95960	-0.00000			359.95960
4	0704	LATITUDE	33	21	48.99764	-0.00000	33	21	48.99764
4	0704	LONGITUDE	-111	56	42.66696	-0.00000	-111	56	42.66696
4	0704	HEIGHT			364.68478	-0.00000			364.68478
4	0712	LATITUDE	33	22	39.62384	0.00000	33	22	39.62384
4	0712	LONGITUDE	-112	4	57.37827	0.00000	-112	4	57.37827
4	0712	HEIGHT			352.14631	-0.00000			352.14631
4	0520	LATITUDE	33	26	38.16631	-0.00000	33	26	38.16631
4	0520	LONGITUDE	-111	51	20.10943	0.00000	-111	51	20.10943

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

A sted Values:

CODE	IDENT.	TYPE	INITIAL			DX	ADJUSTED		
4	0520	HEIGHT			367.36211	-0.00000			367.36211
4	0901	LATITUDE	33	25	44.92492	-0.00000	33	25	44.92492
4	0901	LONGITUDE	-111	54	30.11200	-0.00000	-111	54	30.11200
4	0901	HEIGHT			357.45416	0.00000			357.45416
4	0306	LATITUDE	33	26	37.67875	-0.00000	33	26	37.67875
4	0306	LONGITUDE	-111	58	39.83910	-0.00000	-111	58	39.83910
4	0306	HEIGHT			351.78845	-0.00000			351.78845
4	0307	LATITUDE	33	26	36.28239	-0.00000	33	26	36.28239
4	0307	LONGITUDE	-112	0	3.66037	0.00000	-112	0	3.66037
4	0307	HEIGHT			342.62048	0.00000			342.62048
4	0303	LATITUDE	33	26	39.05492	-0.00000	33	26	39.05492
4	0303	LONGITUDE	-111	54	32.41275	-0.00000	-111	54	32.41275
4	0303	HEIGHT			360.18598	0.00000			360.18598
4	0302	LATITUDE	33	27	4.41094	-0.00000	33	27	4.41094
4	0302	LONGITUDE	-111	54	30.82954	0.00000	-111	54	30.82954
4	0302	HEIGHT			362.44828	0.00000			362.44828
	0516	LATITUDE	33	28	23.70194	-0.00000	33	28	23.701
4	0516	LONGITUDE	-111	51	21.63092	0.00000	-111	51	21.63092
4	0516	HEIGHT			375.54713	0.00000			375.54713
4	0304	LATITUDE	33	26	38.29097	-0.00000	33	26	38.29097
4	0304	LONGITUDE	-111	55	32.63346	0.00000	-111	55	32.63346
4	0304	HEIGHT			362.05544	0.00000			362.05544
4	0508	LATITUDE	33	29	43.26786	0.00000	33	29	43.26786
4	0508	LONGITUDE	-111	45	7.33766	-0.00000	-111	45	7.33766
4	0508	HEIGHT			389.07049	-0.00000			389.07049
4	0514	LATITUDE	33	29	16.53807	-0.00000	33	29	16.53807
4	0514	LONGITUDE	-111	49	17.01747	-0.00000	-111	49	17.01747
4	0514	HEIGHT			384.92775	-0.00000			384.92775
4	0527	LATITUDE	33	28	51.10397	0.00000	33	28	51.10397
4	0527	LONGITUDE	-111	47	12.42424	-0.00000	-111	47	12.42424
4	0527	HEIGHT			382.57952	-0.00000			382.57952
4	0504	LATITUDE	33	31	1.59085	0.00000	33	31	1.59085
4	0504	LONGITUDE	-111	43	2.64844	0.00000	-111	43	2.64844
4	0504	HEIGHT			406.84799	-0.00000			406.84799

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

SOLVE:

	IDENT.	TYPE			INITIAL	DX			ADJUSTED
4	0505	LATITUDE	33	30	35.43285	0.00000	33	30	35.43285
4	0505	LONGITUDE	-111	43	2.66783	-0.00000	-111	43	2.66783
4	0505	HEIGHT			397.89992	0.00000			397.89992
4	0531	LATITUDE	33	29	43.23058	0.00000	33	29	43.23058
4	0531	LONGITUDE	-111	43	10.06926	-0.00000	-111	43	10.06926
4	0531	HEIGHT			399.13450	-0.00000			399.13450
4	0530	LATITUDE	33	28	51.41692	-0.00000	33	28	51.41692
4	0530	LONGITUDE	-111	43	3.87755	0.00000	-111	43	3.87755
4	0530	HEIGHT			418.84389	0.00000			418.84389
4	0525	LATITUDE	33	27	32.56746	0.00000	33	27	32.56746
4	0525	LONGITUDE	-111	47	12.71362	-0.00000	-111	47	12.71362
4	0525	HEIGHT			394.20526	0.00000			394.20526
4	0515	LATITUDE	33	29	16.24839	0.00000	33	29	16.24839
4	0515	LONGITUDE	-111	50	19.33333	0.00000	-111	50	19.33333
4	0515	HEIGHT			381.83944	0.00000			381.83944
4	0507	LATITUDE	33	30	35.47754	0.00000	33	30	35.47754
	0507	LONGITUDE	-111	45	7.38922	0.00000	-111	45	7.38922
	0507	HEIGHT			393.87231	-0.00000			393.87231
4	0511	LATITUDE	33	29	58.59237	-0.00000	33	29	58.59237
4	0511	LONGITUDE	-111	47	56.24819	0.00000	-111	47	56.24819
4	0511	HEIGHT			390.03335	0.00000			390.03335
4	0501	LATITUDE	33	31	27.71816	-0.00000	33	31	27.71816
4	0501	LONGITUDE	-111	40	58.01293	0.00000	-111	40	58.01293
4	0501	HEIGHT			405.09059	-0.00000			405.09059
4	0502	LATITUDE	33	31	30.17467	0.00000	33	31	30.17467
4	0502	LONGITUDE	-111	42	4.28344	0.00000	-111	42	4.28344
4	0502	HEIGHT			435.45746	0.00000			435.45746
4	0533	LATITUDE	33	30	35.27287	0.00000	33	30	35.27287
4	0533	LONGITUDE	-111	40	59.61991	0.00000	-111	40	59.61991
4	0533	HEIGHT			424.79530	-0.00000			424.79530
4	0532	LATITUDE	33	30	13.06364	0.00000	33	30	13.06364
4	0532	LONGITUDE	-111	40	59.61903	-0.00000	-111	40	59.61903
4	0532	HEIGHT			463.14984	-0.00000			463.14984

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

A ısted Cartesian Coordinates:

CODE	IDENT.	X-COORDINATE	Y-COORDINATE	Z-COORDINATE
4	0001	-2023722.1754	-4933019.9352	3488972.5672
14	0013	-2003026.9609	-4935723.5838	3496984.8319
4	0015	-1995385.9920	-4933723.2941	3504961.9766
4	0007	-2071711.1261	-4910470.6968	3492612.2472
4	0009	-2025198.3578	-4922942.5960	3502211.5036
4	0019	-1973717.5305	-4946875.1110	3498034.6521
4	0021	-1993860.7587	-4943271.6573	3491747.9850
4	0005	-2062254.3098	-4921722.9906	3482475.5070
4	0301	-1986159.0710	-4942914.3571	3496514.9378
4	0513	-1979307.0386	-4943268.8612	3499918.3699
4	0705	-1995460.7570	-4945451.4971	3487745.7589
4	0326	-2014774.7576	-4936623.9243	3488961.8655
4	0711	-2004077.1205	-4942383.9160	3487154.5113
4	0192	-2020113.9678	-4932518.2052	3491656.6194
4	0129	-2059242.7819	-4920103.0707	3486263.0520
4	0141	-2069752.5379	-4922301.1460	3476971.0941
4	0161	-2051022.6269	-4925456.8808	3483587.2331
4	0172	-2038624.6233	-4929188.4920	3485603.8577
4	0148	-2063654.7505	-4922474.5750	3480317.9977
4	0150	-2061908.8461	-4921843.2339	3482232.0060
4	0153	-2059698.7790	-4921353.2255	3484227.5611
4	0136	-2067253.6892	-4919635.4108	3482186.6354
	0137	-2069082.7326	-4920078.9480	3480481.8486
4	0140	-2068866.4130	-4921629.8099	3478425.2738
4	0132	-2064233.2641	-4919508.8809	3484145.0230
4	0133	-2065704.1475	-4918849.0385	3484220.8092
4	0123	-2052764.7868	-4921394.8078	3488270.6438
4	0124	-2054453.4727	-4921167.6391	3487592.3719
4	0142	-2068160.5836	-4923166.2707	3476672.5784
4	0119	-2045914.3522	-4923761.2342	3488949.5955
4	0164	-2050328.6875	-4923821.4116	3486264.8345
4	0116	-2042358.5795	-4925705.5604	3488284.6331
4	0120	-2046841.3060	-4923831.9420	3488302.0504
4	0160	-2052836.8478	-4925643.0897	3482272.1217
4	0125	-2054784.6722	-4921980.4266	3486241.4666
4	0126	-2055110.3401	-4922777.7495	3484918.3520
4	0151	-2060251.2085	-4922530.0344	3482244.0502
4	0152	-2058770.4749	-4923149.3751	3482259.1968
4	0144	-2067435.2305	-4924687.1442	3474968.8765
4	0162	-2050028.0074	-4925365.9647	3484276.1899
4	0163	-2049216.0822	-4925278.9562	3484874.3402
4	0145	-2066704.5506	-4924948.6823	3475017.1601
4	0107	-2033739.9751	-4927857.0970	3490283.5935
4	0113	-2038642.1815	-4927249.4630	3488289.6020
4	0146	-2066009.6186	-4924385.6665	3476229.2869
4	0112	-2038204.9327	-4925993.3023	3490305.1833

A[illegible]ted Cartesian Coordinates:

CODE	IDENT.	X-COORDINATE	Y-COORDINATE	Z-COORDINATE
4	0111	-2038045.3172	-4925606.5874	3490948.7564
4	0115	-2040390.5433	-4925087.8080	3490309.7175
4	0117	-2043521.5631	-4924262.6324	3489641.4234
4	0169	-2042940.0656	-4927052.0838	3486055.7978
4	0173	-2038458.3199	-4928776.3073	3486273.0877
4	0108	-2034889.0729	-4926409.5023	3491654.1991
4	0147	-2065647.3347	-4923079.5960	3478277.0760
4	0702	-1991808.6950	-4943995.0671	3491784.3533
4	0902	-1989799.6469	-4943403.7565	3493754.0299
4	0178	-2034334.6278	-4929548.6017	3487604.1590
4	0176	-2035079.2680	-4929235.9167	3487604.2888
4	0519	-1983756.1565	-4945812.2608	3493821.1635
4	0342	-1989977.4032	-4943836.6107	3493051.9462
4	0903	-1992039.8632	-4942479.5856	3493779.9298
4	0168	-2043251.9634	-4927738.5274	3484933.4199
4	0134	-2066900.6692	-4918746.0472	3483647.3865
4	0526	-1976973.9809	-4946097.4886	3497248.8973
4	0529	-1971281.1696	-4946980.3073	3499229.5207
4	0102	-2024359.8434	-4930312.7888	3492288.2086
4	0104	-2028786.3860	-4928463.5827	3492324.8016
4	0193	-2021422.4805	-4931497.5189	3492325.1554
[illegible]	0522	-1980326.9573	-4945730.0773	3495863.7225
[illegible]	0180	-2029566.6941	-4930304.5491	3489287.8992
4	0181	-2029290.7438	-4929649.2920	3490360.7140
4	0184	-2024837.6734	-4931535.6073	3490289.7772
4	0191	-2020425.7488	-4933317.7656	3490341.7543
4	0127	-2056086.1872	-4920955.9854	3486929.4631
4	0130	-2061640.4004	-4919589.4287	3485627.3241
4	0156	-2055630.8254	-4923991.0099	3482920.9481
4	0523	-1980009.2641	-4944873.6682	3497246.8990
4	0517	-1982970.8724	-4943709.0824	3497211.2487
4	0344	-1986221.8873	-4945292.0187	3493138.1798
4	0185	-2025347.8144	-4932775.5659	3488269.6259
4	0318	-2012527.7406	-4935046.3368	3492476.1403
4	0320	-2015688.4032	-4934201.2854	3491840.3913
4	0322	-2017221.2793	-4934120.8302	3491066.9503
4	0317	-2010888.7937	-4935257.5211	3493122.3367
4	0190	-2020757.2113	-4934164.1692	3488962.2369
4	0321	-2015945.2316	-4935186.8662	3490302.5168
4	0328	-2012978.4711	-4936403.4506	3490307.6211
4	0327	-2013150.8621	-4936805.7660	3489641.9137
4	0330	-2009996.2869	-4937611.3124	3490326.0808
4	0331	-2008341.5358	-4937803.9851	3491008.0186
4	0313	-2004772.6647	-4937370.5115	3493668.5576
4	0312	-2003273.1771	-4937980.0963	3493672.6298
4	0315	-2007887.7524	-4936468.8931	3493145.3446

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

A usted Cartesian Coordinates:

CODE	IDENT.	X-COORDINATE	Y-COORDINATE	Z-COORDINATE
4	0308	-1996951.2610	-4940014.6375	3494437.1998
4	0803	-1998579.4833	-4939319.3376	3494481.1983
4	0309	-1998752.3436	-4939726.8469	3493809.0959
4	0310	-1998924.9897	-4940133.9267	3493136.8534
4	0336	-1999223.8620	-4941025.5465	3491716.9548
4	0334	-2003725.6044	-4939206.1719	3491691.6190
4	0801	-2002980.9461	-4939508.3364	3491694.4760
4	0802	-2001469.8272	-4940121.9666	3491697.3428
4	0332	-2008209.2518	-4937395.7282	3491658.2316
4	0187	-2024054.7977	-4933782.9012	3487628.9308
4	0189	-2019984.1784	-4935565.9701	3487440.0543
4	0325	-2016461.4154	-4936409.1270	3488289.5176
4	0186	-2023873.3379	-4933382.7133	3488265.9570
4	0339	-1994606.0298	-4942434.7448	3492380.7098
4	0340	-1994374.0062	-4942023.4505	3493087.8821
4	0804	-1995920.5346	-4941379.4851	3493105.9597
4	0805	-1996084.2174	-4941795.8805	3492430.8901
4	0707	-1997256.8457	-4943974.0881	3488754.3516
4	0708	-1998425.8212	-4943272.6749	3489052.6735
4	0703	-1992473.4080	-4945662.0830	3489072.8181
4	0704	-1992980.6437	-4946419.5488	3487726.9075
4	0712	-2004512.0537	-4940820.5863	3489022.6168
	0520	-1983417.9052	-4944979.9131	3495165.8710
4	0901	-1988306.3383	-4943981.6848	3493791.5400
4	0306	-1993953.6773	-4940735.9173	3495144.7535
4	0307	-1995967.3304	-4939940.1028	3495103.8025
4	0303	-1988019.4463	-4943109.0440	3495184.7609
4	0302	-1987821.5458	-4942726.5647	3495837.8451
4	0516	-1982789.5496	-4943307.7855	3497883.0989
4	0304	-1989467.9693	-4942541.8954	3495166.1512
4	0508	-1973319.0047	-4945651.9632	3499935.1484
4	0514	-1979471.8202	-4943678.3511	3499246.0494
4	0527	-1976644.9909	-4945272.7749	3498591.1797
4	0504	-1969841.5053	-4945620.1480	3501957.1135
4	0505	-1970003.8668	-4946026.4317	3501280.2178
4	0531	-1970510.2589	-4946781.4470	3499939.7445
4	0530	-1970693.7854	-4947674.1767	3498619.2274
4	0525	-1977150.8245	-4946518.1596	3496579.1239
4	0515	-1980966.1671	-4943082.2761	3499236.9018
4	0507	-1972992.6762	-4944830.5074	3501279.1421
4	0511	-1977271.8752	-4943793.1497	3500329.4118
4	0501	-1966687.9673	-4946395.0662	3502627.2550
4	0502	-1968270.9897	-4945747.6191	3502707.1223
4	0533	-1967062.2398	-4947224.1307	3501290.9562
4	0532	-1967213.6023	-4947604.8732	3500741.5636

SOLVE successfully completed.

INVERT:

INVERT successfully completed.

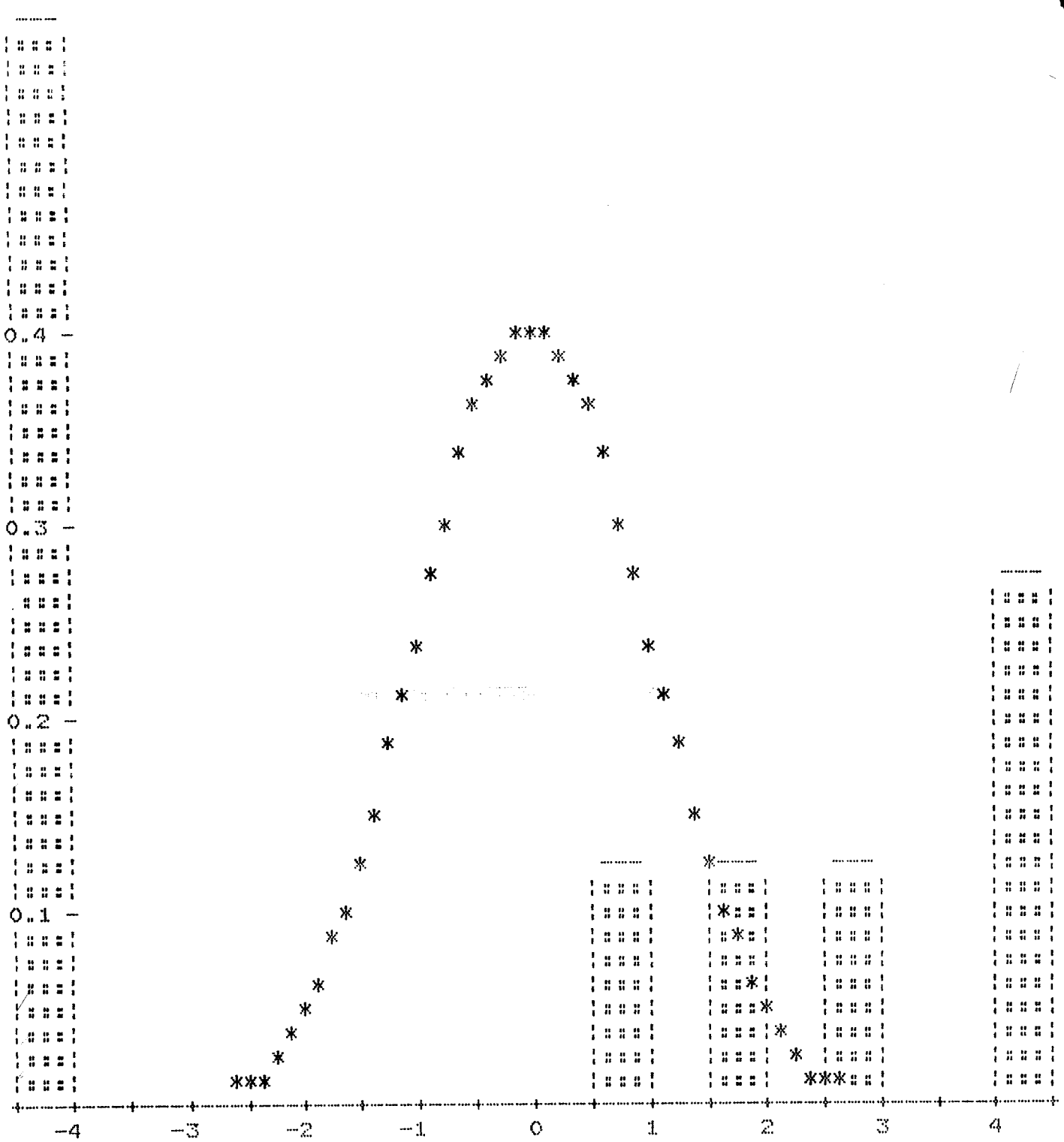
STATION	2-D COORDINATES	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
0001	33 22 37.66540	0.0010	-0.0537	0.0010	-53.6574 *
	-112 18 19.44160	0.0010	-0.0547	0.0010	-54.7052 *
End of Observation Set					
0015	33 32 50.24150	0.0010	-0.0100	0.0010	-9.9760 *
	-112 1 13.03410	0.0010	-0.0057	0.0010	-5.6956 *
End of Observation Set					
0007	33 24 58.90100	0.0010	0.0015	0.0010	1.5315 *
	-112 52 28.98500	0.0010	-0.0052	0.0010	-5.2166 *
End of Observation Set					
0009	33 31 12.92200	0.0010	0.0029	0.0010	2.8628 *
	-112 21 40.56600	0.0010	0.0008	0.0010	0.7867 *
End of Observation Set					
[illegible]	33 28 28.83390	0.0010	-0.0114	0.0010	-11.3616 *
	-111 45 4.11720	0.0010	-0.0196	0.0008	-25.8230
End of Observation Set					
0021	33 24 24.24140	0.0010	0.0201	0.0008	24.0868
	-111 57 59.78181	0.0010	0.0084	0.0009	9.6588
End of Observation Set					
0005	33 18 24.38300	0.0010	-0.0138	0.0010	-13.7637 *
	-112 44 3.12400	0.0010	-0.1470	0.0010	-147.0140 *
End of Observation Set					

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

RT D:



Histogram of 2-D Coordinate (14) Standardized Residuals.

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 011333010PT 1					
0001					
0013	20695.2260	0.0597	-0.0115	0.0597	-0.1934
	-2703.2920	0.0983	-0.3566	0.0983	-3.6290
	8012.2380	0.0326	0.0267	0.0326	0.8185
========== End of Observation Set ==========					
GROUP: 011533010PT 2					
0001					
0015	28336.2600	0.0167	-0.0766	0.0166	-4.6113
	-703.2110	0.0206	-0.1478	0.0204	-7.2388
	15989.4240	0.0066	-0.0146	0.0064	-2.2993
========== End of Observation Set ==========					
GROUP: 131533010PT 3					
0013					
0015	7640.9180	0.0023	0.0509	0.0021	24.7138
	2000.2650	0.0034	0.0247	0.0026	9.3700
	7977.1080	0.0026	0.0367	0.0022	16.8176
========== End of Observation Set ==========					
GROUP: 011333020PT 4					
0001					
0013	20695.3600	0.0086	-0.1455	0.0086	-16.9588
	-2703.6390	0.0128	-0.0096	0.0127	-0.7552
	8012.2680	0.0105	-0.0033	0.0104	-0.3210
========== End of Observation Set ==========					
GROUP: 011533020PT 5					
0001					
0015	28336.2950	0.0097	-0.1116	0.0096	-11.5910
	-703.3890	0.0146	0.0302	0.0144	2.1019
	15989.3820	0.0116	0.0274	0.0114	2.3978
========== End of Observation Set ==========					
GROUP: 131533020PT 6					
0013					
0015	7640.9310	0.0041	0.0379	0.0039	9.6217

F 'ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	2000.2410	0.0061	0.0487	0.0057	8.5066
	7977.1140	0.0050	0.0307	0.0048	6.3698

End of Observation Set

GROUP: 010733710PT 7
0001
0007 -47989.0990 0.0271 0.1483 0.0270 5.4914
22549.1480 0.0353 0.0905 0.0351 2.5798
3639.6960 0.0118 -0.0160 0.0114 -1.4016

End of Observation Set

GROUP: 010933710PT 8
0001
0009 -1476.1570 0.0151 -0.0254 0.0150 -1.6973
10077.4780 0.0207 -0.1388 0.0202 -6.8729
13238.9790 0.0062 -0.0426 0.0054 -7.9337

End of Observation Set

GROUP: 011333710PT 9
0001
0013 20695.3120 0.0134 -0.0975 0.0133 -7.3104
-2703.4710 0.0174 -0.1776 0.0173 -10.2819
8012.3110 0.0055 -0.0463 0.0054 -8.6302

End of Observation Set

GROUP: 070933710PT 10
0007
0009 46512.9680 0.0288 -0.1996 0.0287 -6.9490
-12471.6530 0.0396 -0.2463 0.0392 -6.2795
9599.2790 0.0117 -0.0226 0.0111 -2.0413

End of Observation Set

GROUP: 071333710PT 11
0007
0013 68684.4280 0.0419 -0.2628 0.0419 -6.2762

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-25252.6160	0.0560	-0.2710	0.0559	-4.8515
	4372.6380	0.0176	-0.0533	0.0174	-3.0673

End of Observation Set

GROUP: 091333710PT 12

0009					
0013	22171.4990	0.0180	-0.1022	0.0179	-5.7062
	-12780.9480	0.0239	-0.0398	0.0235	-1.6894
	-5226.6750	0.0074	0.0033	0.0068	0.4877

End of Observation Set

GROUP: 010733720PT 13

0001					
0007	-47988.9410	0.0253	-0.0097	0.0252	-0.3871
	22549.3740	0.0399	-0.1355	0.0396	-3.4190
	3639.9400	0.0345	-0.2600	0.0344	-7.5622

End of Observation Set

GROUP: 010933720PT 14

0009	-1476.0970	0.0113	-0.0854	0.0111	-7.7176
	10077.4540	0.0180	-0.1148	0.0174	-6.5889
	13239.0090	0.0156	-0.0726	0.0153	-4.7366

End of Observation Set

GROUP: 011333720PT 15

0001					
0013	20695.2970	0.0118	-0.0825	0.0117	-7.0309
	-2703.5420	0.0177	-0.1066	0.0176	-6.0495
	8012.2310	0.0154	0.0337	0.0154	2.1918

End of Observation Set

GROUP: 070933720PT 16

0007					
0009	46512.8410	0.0212	-0.0726	0.0210	-3.4597
	-12471.9100	0.0324	0.0107	0.0319	0.3365
	9599.0810	0.0283	0.1754	0.0280	6.2532

RE 'D:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
========== End of Observation Set ==========					
GROUP: 071333720PT 17					
0007					
0013	68684.2380	0.0312	-0.0728	0.0311	-2.3404
	-25252.9320	0.0478	0.0450	0.0476	0.9442
	4372.2700	0.0413	0.3147	0.0413	7.6275
========== End of Observation Set ==========					
GROUP: 091333720PT 18					
0009					
0013	22171.4020	0.0113	-0.0052	0.0112	-0.4610
	-12781.0310	0.0178	0.0432	0.0172	2.5069
	-5226.7810	0.0155	0.1093	0.0152	7.1819
========== End of Observation Set ==========					
GROUP: 151933810PT 19					
0015					
0019	21668.4410	0.0160	0.0205	0.0159	1.2870
	-13151.7970	0.0198	-0.0200	0.0197	-1.0155
	-6927.2700	0.0068	-0.0545	0.0066	-8.3152
========== End of Observation Set ==========					
GROUP: 151933840PT 20					
0015					
0019	21668.4080	0.0105	0.0535	0.0104	5.1447
	-13151.6840	0.0159	-0.1330	0.0157	-8.4951
	-6927.2470	0.0122	-0.0775	0.0121	-6.3950
========== End of Observation Set ==========					
GROUP: 152133810PT 21					
0015					
0021	1525.1950	0.0155	0.0383	0.0154	2.4813
	-9548.3590	0.0169	-0.0043	0.0167	-0.2552
	-13213.9660	0.0067	-0.0256	0.0065	-3.9238
========== End of Observation Set ==========					
GROUP: 152133840PT 22					
0015					
0021	1525.1410	0.0089	0.0923	0.0088	10.4815

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-9548.2970	0.0138	-0.0663	0.0136	-4.8638
	-13213.9730	0.0106	-0.0186	0.0104	-1.7788
		End of Observation Set			
GROUP: 192133810PT 23					
0019					
0021	-20143.2030	0.0128	-0.0252	0.0128	-1.9731
	3603.3750	0.0166	0.0787	0.0165	4.7673
	-6286.6710	0.0056	0.0039	0.0055	0.7116
		End of Observation Set			
GROUP: 192133840PT 24					
0019					
0021	-20143.2630	0.0049	0.0348	0.0048	7.2576
	3603.3900	0.0077	0.0637	0.0075	8.4682
	-6286.7350	0.0060	0.0679	0.0059	11.4992
		End of Observation Set			
GROUP: 011333910PT 25					
0001					
0013	20695.4450	0.0164	-0.2305	0.0164	-14.1004
	-2703.6620	0.0205	0.0134	0.0204	0.6593
	8012.3170	0.0072	-0.0523	0.0070	-7.4481
		End of Observation Set			
GROUP: 011333940PT 26					
0001					
0013	20695.3920	0.0090	-0.1775	0.0090	-19.7835
	-2703.6250	0.0140	-0.0236	0.0139	-1.6961
	8012.3440	0.0112	-0.0793	0.0111	-7.1650
		End of Observation Set			
GROUP: 012133910PT 27					
0001					
0021	29861.5020	0.0176	-0.0853	0.0176	-4.8555

F ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-10251.7810	0.0224	0.0589	0.0223	2.6452
	2775.5300	0.0072	-0.1122	0.0071	-15.8440

End of Observation Set

GROUP: 012133940PT 28
0001
0021 29861.5480 0.0109 -0.1313 0.0109 -12.0793

	-10251.7150	0.0172	-0.0071	0.0170	-0.4165
	2775.5620	0.0136	-0.1442	0.0135	-10.6864

End of Observation Set

GROUP: 132133910PT 29
0013
0021 9166.1410 0.0034 0.0613 0.0034 18.2299

	-7548.0480	0.0052	-0.0255	0.0050	-5.1217
	-5236.8390	0.0026	-0.0079	0.0025	-3.1755

End of Observation Set

GROUP: 132133940PT 30
0013
0021 9166.1320 0.0020 0.0703 0.0018 38.2003

	-7548.0860	0.0044	0.0125	0.0042	2.9610
	-5236.7890	0.0031	-0.0579	0.0029	-19.8213

End of Observation Set

GROUP: 010534010PT 31
0001
0005 -38532.4040 0.0188 0.2696 0.0187 14.4055

	11296.8590	0.0221	0.0857	0.0219	3.9192
	-6496.9000	0.0080	-0.1602	0.0077	-20.6729

End of Observation Set

GROUP: 010534040PT 32
0001
0005 -38532.2820 0.0117 0.1476 0.0116 12.6884

	11296.9730	0.0197	-0.0283	0.0195	-1.4521

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-6497.0070	0.0142	-0.0532	0.0141	-3.7838

End of Observation Set

GROUP: 010734010PT 33

0001					
0007	-47989.2130	0.0228	0.2623	0.0227	11.5637
	22549.3540	0.0278	-0.1155	0.0274	-4.2118
	3639.8190	0.0098	-0.1390	0.0094	-14.8134

End of Observation Set

GROUP: 010734040PT 34

0001					
0007	-47989.0570	0.0152	0.1063	0.0151	7.0398
	22549.3010	0.0254	-0.0625	0.0251	-2.4941
	3639.6130	0.0180	0.0670	0.0178	3.7711

End of Observation Set

GROUP: 050734010PT 35

	-9456.8210	0.0118	0.0047	0.0116	0.3997
	11252.5110	0.0147	-0.2172	0.0141	-15.4280
	10136.7270	0.0048	0.0132	0.0040	3.2790

End of Observation Set

GROUP: 050734040PT 36

0005					
0007	-9456.8170	0.0080	0.0007	0.0077	0.0848
	11252.4890	0.0134	-0.1952	0.0127	-15.3514
	10136.7380	0.0094	0.0022	0.0090	0.2397

End of Observation Set

GROUP: 210133820PT 37

0021					
0301	7701.6620	0.0042	0.0256	0.0041	6.2397
	357.3040	0.0059	-0.0038	0.0058	-0.6534
	4766.9470	0.0039	0.0058	0.0038	1.5366

End of Observation Set

GROUP: 190133820PT 38
0019

R"ID:

0301	-12441.4770	0.0240	-0.0636	0.0240	-2.6458
	3960.5650	0.0403	0.1889	0.0403	4.6918
	-1519.7270	0.0120	0.0127	0.0120	1.0597

End of Observation Set

GROUP: 211333810PT 39
0021

0513	14553.6070	0.0292	0.1131	0.0292	3.8675
	2.7080	0.0495	0.0882	0.0495	1.7817
	8170.4570	0.0144	-0.0721	0.0144	-5.0234

End of Observation Set

GROUP: 191333810PT 40
0019

0513	-5589.5420	0.0028	0.0339	0.0028	12.2453
	3606.2140	0.0039	0.0359	0.0038	9.5329
	1883.7440	0.0021	-0.0262	0.0019	-13.5856

End of Observation Set

(JP: 190533830PT 41
0019

0705	-21743.2470	0.0208	0.0205	0.0208	0.9837
	1423.6360	0.0340	-0.0221	0.0340	-0.6502
	-10289.0290	0.0281	0.1358	0.0280	4.8429

End of Observation Set

GROUP: 150533830PT 42
0015

0705	-74.9150	0.0353	0.1500	0.0353	4.2493
	-11728.1460	0.0555	-0.0570	0.0554	-1.0292
	-17216.1750	0.0462	-0.0426	0.0461	-0.9240

End of Observation Set

GROUP: 210533830PT 43
0021

0705	-1599.9890	0.0013	-0.0094	0.0011	-8.3016
	-2179.8190	0.0028	-0.0208	0.0026	-7.8525
	-4002.2280	0.0024	0.0019	0.0023	0.8487

End of Observation Set

RE

GROUP: 150133820PT 44
0015
0001

9226.7710	0.0224	0.1499	0.0224	6.7030
-9190.7130	0.0387	-0.3501	0.0387	-9.0535
-8446.9600	0.0106	-0.0788	0.0105	-7.5372

End of Observation Set

GROUP: 151333810PT 45
0015
0013

16079.1240	0.0385	-0.1706	0.0385	-4.4300
-9545.3600	0.0625	-0.2071	0.0625	-3.3160
-5043.6510	0.0188	0.0443	0.0187	2.3686

End of Observation Set

GROUP: 132633930PT 46
0013
0326

-11747.8370	0.0025	0.0403	0.0024	17.0971
-900.3370	0.0060	-0.0035	0.0058	-0.6052
-8022.9500	0.0046	-0.0164	0.0045	-3.6548

End of Observation Set

GROUP: 012633930PT 47
0001
0326

8947.4700	0.0011	-0.0522	0.0007	-80.2408
-3603.9790	0.0029	-0.0101	0.0020	-4.9340
-10.6150	0.0021	-0.0867	0.0017	-51.8560

End of Observation Set

GROUP: 211133940PT 48
0021
0711

-10216.4760	0.0895	0.1141	0.0895	1.2748
887.9230	0.1043	-0.1816	0.1043	-1.7421
-4593.4290	0.1392	-0.0447	0.1392	-0.3210

End of Observation Set

GROUP: 011133940PT 49
0001
0711

19644.9590	0.0633	0.0959	0.0633	1.5145
-9363.6550	0.0732	-0.3257	0.0731	-4.4530

REJ'D:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-1817.8450	0.0670	-0.2109	0.0670	-3.1469

End of Observation Set

GROUP: 139233920PT 50
0013
0192

-17087.1050	0.0615	0.0981	0.0615	1.5962
3204.6830	0.1242	0.6956	0.1242	5.6010
-5328.1180	0.0275	-0.0944	0.0275	-3.4315

End of Observation Set

GROUP: 219233920PT 51
0021
0192

-26253.2230	0.0467	0.0139	0.0467	0.2968
10753.0080	0.0999	0.4442	0.0999	4.4457
-91.3190	0.0214	-0.0466	0.0214	-2.1794

End of Observation Set

GROUP: 072934020PT 52
0007
0

12468.4540	0.0315	-0.1098	0.0314	-3.4940
-9632.4730	0.0401	0.0991	0.0399	2.4831
-6349.2060	0.0128	0.0108	0.0126	0.8583

End of Observation Set

GROUP: 012934020PT 53
0001
0129

-35520.5740	0.0487	-0.0326	0.0486	-0.6696
12916.8680	0.0634	-0.0034	0.0633	-0.0540
-2709.3310	0.0196	-0.1843	0.0196	-9.4131

End of Observation Set

GROUP: 052934020PT 54
0005
0129

3011.7100	0.0021	-0.1822	0.0017	-108.3651
1619.9890	0.0029	-0.0691	0.0020	-34.4109
3787.5610	0.0016	-0.0161	0.0010	-16.8407

End of Observation Set

GROUP: 074134010PT 55

RE

0007
0141 1958.6150 0.0215 -0.0268 0.0214 -1.2547
-11830.6040 0.0501 0.1547 0.0500 3.0974
-15641.0690 0.0161 -0.0841 0.0158 -5.3064
^^^^^^^^^^

========== End of Observation Set ==========

GROUP: 054134010PT 56
0005
0141 -7498.0610 0.0055 -0.1672 0.0053 -31.8023
^^^^^^^^^^

-578.1000 0.0073 -0.0554 0.0070 -7.9753
^^^^^^^^^^

-5504.3680 0.0046 -0.0449 0.0043 -10.3659
^^^^^^^^^^

========== End of Observation Set ==========

GROUP: 076134030PT 57
0007
0161 20688.7070 0.0253 -0.2078 0.0252 -8.2503
^^^^^^^^^^

-14986.1580 0.0446 -0.0260 0.0444 -0.5867
-9025.0490 0.0349 0.0349 0.0348 1.0035

========== End of Observation Set ==========

GROUP: 016134030PT 58
0001
0161 -27300.3790 0.0205 -0.0726 0.0204 -3.5551
7563.1470 0.0363 -0.0926 0.0362 -2.5581
-5385.2740 0.0285 -0.0601 0.0284 -2.1164

========== End of Observation Set ==========

GROUP: 077234040PT 59
0007
0172 33086.8810 0.0532 -0.3782 0.0531 -7.1165
^^^^^^^^^^

-18718.4160 0.1092 0.6208 0.1091 5.6877
^^^^^^^^^^

-7008.8510 0.1500 0.4615 0.1500 3.0777

========== End of Observation Set ==========

GROUP: 057234040PT 60
0005
0172 23630.0130 0.0356 -0.3265 0.0356 -9.1799
^^^^^^^^^^

-7465.9920 0.0694 0.4906 0.0693 7.0754
^^^^^^^^^^

3127.8410 0.0984 0.5097 0.0983 5.1826

F ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		

End of Observation Set

GROUP: 056134030PT 61
0005
0161

11231.8630	0.0030	-0.1802	0.0027	-67.9415
		^^^^^^^^^^		
-3733.7920	0.0076	-0.0982	0.0072	-13.6291
		^^^^^^^^^^		
1111.7550	0.0048	-0.0290	0.0046	-6.2859
		^^^^^^^^^^		

End of Observation Set

GROUP: 294834410PT 62
0129
0148

-4411.9660	0.0006	-0.0026	0.0005	-5.6712
		^^^^^^^^^^		
-2371.5070	0.0011	0.0027	0.0009	2.9461
-5945.0550	0.0007	0.0008	0.0006	1.3021

End of Observation Set

GROUP: 295034410PT 63
0129
0150

-2666.0610	0.0005	-0.0031	0.0004	-7.9509
		^^^^^^^^^^		
-1740.1650	0.0011	0.0017	0.0009	1.9122
-4031.0470	0.0007	0.0010	0.0005	1.9494

End of Observation Set

GROUP: 295334410PT 64
0129
0153

-455.9930	0.0004	-0.0041	0.0003	-14.5176
		^^^^^^^^^^		
-1250.1620	0.0008	0.0071	0.0005	14.2035
		^^^^^^^^^^		
-2035.4890	0.0005	-0.0019	0.0004	-5.3174
		^^^^^^^^^^		

End of Observation Set

GROUP: 363734310PT 65
0136
0137

-1829.0460	0.0005	0.0026	0.0002	13.9039
		^^^^^^^^^^		
-443.5360	0.0009	-0.0012	0.0004	-2.9665
-1704.7860	0.0006	-0.0008	0.0002	-3.3662

End of Observation Set

GROUP: 485034410PT 66
0148
0150

1745.9050	0.0005	-0.0005	0.0003	-1.6706
631.3410	0.0010	0.0000	0.0007	0.0143
1914.0100	0.0006	-0.0017	0.0005	-3.7931

End of Observation Set

GROUP: 485334410PT 67
0148
0153

3955.9720	0.0005	-0.0005	0.0004	-1.3357
1121.3400	0.0009	0.0094	0.0007	13.9345
3909.5690	0.0006	-0.0057	0.0005	-11.9433

End of Observation Set

GROUP: 505334410PT 68
0150
0153

2210.0680	0.0004	-0.0010	0.0003	-3.3041
490.0010	0.0009	0.0074	0.0007	11.1124
1995.5590	0.0006	-0.0039	0.0004	-9.4316

End of Observation Set

GROUP: 374034320PT 69
0137
0140

216.3200	0.0004	-0.0004	0.0002	-1.8182
-1550.8620	0.0005	0.0002	0.0003	0.5032
-2056.5760	0.0007	0.0012	0.0005	2.5768

End of Observation Set

GROUP: 293234420PT 70
0129
0132

-4990.4820	0.0012	-0.0002	0.0011	-0.1355
594.1940	0.0014	-0.0042	0.0012	-3.4358
-2118.0430	0.0031	0.0141	0.0031	4.5171

End of Observation Set

GROUP: 293334420PT 71
0129
0133

-6461.3710	0.0008	0.0054	0.0007	8.2519
1254.0370	0.0013	-0.0049	0.0010	-4.7986
-2042.2400	0.0016	-0.0028	0.0014	-1.9907

F' 'ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
		End of Observation Set			
GROUP: 323334420PT 72					
0132					
0133	-1470.8880	0.0007	0.0046	0.0006	7.8991
	659.8430	0.0008	-0.0006	0.0005	-1.3806
	75.8010	0.0019	-0.0148	0.0017	-8.6228
		End of Observation Set			
GROUP: 374134320PT 73					
0137					
0141	-669.8050	0.0005	-0.0003	0.0004	-0.8824
	-2222.1970	0.0007	-0.0010	0.0005	-1.8821
	-3510.7590	0.0010	0.0045	0.0007	6.3534
		End of Observation Set			
GROUP: 292334430PT 74					
0129					
0123	6477.9960	0.0011	-0.0009	0.0010	-0.9433
	-1291.7440	0.0033	0.0068	0.0030	2.2552
	2007.5960	0.0013	-0.0041	0.0011	-3.6040
		End of Observation Set			
GROUP: 292434430PT 75					
0129					
0124	4789.3080	0.0011	0.0012	0.0010	1.1563
	-1064.5800	0.0031	0.0115	0.0030	3.7845
	1329.3270	0.0012	-0.0071	0.0012	-5.8991
		End of Observation Set			
GROUP: 232434430PT 76					
0123					
0124	-1688.6900	0.0007	0.0041	0.0004	9.5277
	227.1660	0.0022	0.0027	0.0017	1.5848
	-678.2680	0.0009	-0.0039	0.0006	-6.8005
		End of Observation Set			
GROUP: 374234320PT 77					
0137					
0142	922.1490	0.0006	0.0000	0.0005	0.0284

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TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-3087.3250	0.0010	0.0023	0.0008	2.9424
	-3809.2690	0.0013	-0.0012	0.0011	-1.0766

========== End of Observation Set ==========

ROUP: 231934440PT 78
123
0119 6850.4800 0.0027 -0.0454 0.0024 -18.6110
-2366.3850 0.0035 -0.0414 0.0030 -13.5916
678.9280 0.0020 0.0236 0.0018 13.3794

========== End of Observation Set ==========

ROUP: 236434440PT 79
123
0164 2436.1130 0.0024 -0.0136 0.0022 -6.1693
-2426.5860 0.0032 -0.0178 0.0027 -6.4950
-2005.8170 0.0018 0.0077 0.0016 4.8002

========== End of Observation Set ==========

ROUP: 196434440PT 80
119
0164 -4414.3700 0.0025 0.0348 0.0024 14.5632
-60.2030 0.0033 0.0256 0.0031 8.3780
-2684.7410 0.0019 -0.0199 0.0017 -11.5324

========== End of Observation Set ==========

ROUP: 404134320PT 81
140
0141 -886.1240 0.0004 -0.0009 0.0003 -2.9733
-671.3340 0.0007 -0.0021 0.0004 -4.8312
-1454.1840 0.0009 0.0043 0.0006 7.3526

========== End of Observation Set ==========

GROUP: 162034510PT 82
116
0120 -4482.7340 0.0006 0.0075 0.0003 24.2059

F ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	1873.6280	0.0008	-0.0096	0.0004	-26.9204
	17.4210	0.0011	-0.0037	0.0008	-4.8684

End of Observation Set

GROUP: 606135010PT 83

0160					
0161	1814.2210	0.0007	-0.0002	0.0004	-0.4191
	186.2120	0.0011	-0.0031	0.0007	-4.6958
	1315.1080	0.0007	0.0033	0.0004	7.5640

End of Observation Set

GROUP: 606435010PT 84

0160					
0164	2508.1640	0.0007	-0.0037	0.0004	-9.2998
	1821.6830	0.0011	-0.0049	0.0007	-7.3600
	3992.7120	0.0007	0.0008	0.0005	1.6946

End of Observation Set

GROUP: 404234320PT 85

0140					
0142	705.8290	0.0005	0.0004	0.0003	1.2379
	-1536.4640	0.0007	0.0031	0.0005	6.1622
	-1752.6920	0.0010	-0.0034	0.0007	-4.6773

End of Observation Set

GROUP: 616435010PT 86

0161					
0164	693.9440	0.0009	-0.0045	0.0006	-7.0215
	1635.4720	0.0013	-0.0028	0.0009	-2.9937
	2677.6030	0.0009	-0.0015	0.0007	-2.2850

End of Observation Set

GROUP: 642535020PT 87

0164					
0125	-4455.9850	0.0006	0.0003	0.0004	0.6978
	1840.9900	0.0009	-0.0049	0.0006	-8.3379

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

RESID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-23.3720	0.0011	0.0040	0.0008	4.9165

End of Observation Set

GROUP: 642635020PT 88

0164					
0126	-4781.6520	0.0006	-0.0006	0.0005	-1.2531
	1043.6700	0.0010	-0.0079	0.0008	-10.3992
	-1346.4890	0.0012	0.0064	0.0011	5.8615

End of Observation Set

GROUP: 414234320PT 89

0141					
0142	1591.9540	0.0006	0.0003	0.0005	0.7384
	-865.1280	0.0009	0.0033	0.0007	4.9430
	-298.5100	0.0012	-0.0057	0.0009	-6.2183

End of Observation Set

GROUP: 252635020PT 90

0125					
0126	-325.6680	0.0004	0.0001	0.0002	0.6265
	-797.3200	0.0007	-0.0030	0.0004	-8.4302
	-1323.1170	0.0009	0.0024	0.0005	5.0126

End of Observation Set

GROUP: 505135030PT 91

0150					
0151	1657.6380	0.0004	-0.0004	0.0002	-1.7112
	-686.7960	0.0014	-0.0045	0.0007	-5.9777
	12.0430	0.0005	0.0012	0.0003	4.4818

End of Observation Set

GROUP: 505235030PT 92

0150					
0152	3138.3720	0.0005	-0.0008	0.0003	-2.3225
	-1306.1310	0.0016	-0.0102	0.0013	-8.1258

RE"ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	27.1880	0.0006	0.0029	0.0004	6.9473

End of Observation Set

GROUP: 424434330PT 93

0142					
0144	725.3520	0.0008	0.0011	0.0006	1.8176
	-1520.8930	0.0023	0.0195	0.0018	11.0106
	-1703.6960	0.0010	-0.0059	0.0007	-7.9264

End of Observation Set

GROUP: 515235030PT 94

0151					
0152	1480.7340	0.0005	-0.0004	0.0003	-1.1767
	-619.3340	0.0017	-0.0067	0.0011	-5.9003
	15.1450	0.0006	0.0017	0.0004	4.2323

End of Observation Set

G JP: 616235040PT 95

0161					
0162	994.6240	0.0008	-0.0045	0.0005	-8.4130
	90.9200	0.0011	-0.0039	0.0007	-5.4877
	688.9530	0.0006	0.0038	0.0004	10.3458

End of Observation Set

GROUP: 616335040PT 96

0161					
0163	1806.5510	0.0010	-0.0063	0.0008	-8.3458
	177.9310	0.0013	-0.0064	0.0010	-6.3275
	1287.1010	0.0007	0.0062	0.0005	12.7619

End of Observation Set

GROUP: 424534330PT 97

0142					
0145	1456.0310	0.0011	0.0020	0.0010	2.1223
	-1782.4320	0.0030	0.0204	0.0026	7.7723

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ESID:

ATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-1655.4120	0.0013	-0.0063	0.0011	-5.4871

End of Observation Set

ROUP: 626335040PT 98

0162					
0163	811.9280	0.0007	-0.0028	0.0003	-8.0768
	87.0110	0.0009	-0.0025	0.0005	-5.2780
	598.1480	0.0005	0.0024	0.0002	10.3361

End of Observation Set

ROUP: 071335110PT 99

0107					
0113	-4902.2120	0.0007	0.0056	0.0005	10.7364
	607.6400	0.0011	-0.0060	0.0008	-7.9952
	-1993.9920	0.0008	0.0005	0.0005	1.0464

End of Observation Set

GROUP: 071635110PT 100

107					
0116	-8618.6110	0.0008	0.0066	0.0006	10.1995
	2151.5500	0.0013	-0.0134	0.0010	-13.1150
	-1998.9640	0.0009	0.0037	0.0007	5.4146

End of Observation Set

GROUP: 424634330PT 101

0142					
0146	2150.9620	0.0008	0.0030	0.0006	5.1401
	-1219.4290	0.0021	0.0332	0.0018	18.0142
	-443.2810	0.0009	-0.0105	0.0007	-14.3430

End of Observation Set

GROUP: 121335110PT 102

0112

RECID:

0113	-437.2490	0.0019	0.0002	0.0018	0.1116
	-1256.1550	0.0028	-0.0057	0.0027	-2.1523
	-2015.5870	0.0021	0.0057	0.0020	2.8213

End of Observation Set

GROUP: 131635110PT 103

0113					
0116	-3716.4010	0.0005	0.0030	0.0003	10.8898
	1543.9080	0.0009	-0.0054	0.0004	-11.9751
	-4.9700	0.0006	0.0012	0.0003	3.9753

End of Observation Set

GROUP: 071135120PT 104

0107					
0111	-4305.3480	0.0006	0.0059	0.0006	10.5730
	2250.5010	0.0011	0.0086	0.0009	9.5682
	665.1750	0.0013	-0.0121	0.0012	-9.6635

End of Observation Set

GROUP: 444534330PT 105

0144					
0145	730.6800	0.0006	-0.0001	0.0003	-0.2709
	-261.5390	0.0016	0.0009	0.0009	1.0120
	48.2840	0.0007	-0.0003	0.0004	-0.9313

End of Observation Set

GROUP: 071535120PT 106

0107					
0115	-6650.5780	0.0008	0.0098	0.0007	14.7437
	2769.2790	0.0012	0.0100	0.0010	10.0119
	26.1380	0.0016	-0.0140	0.0014	-9.8831

End of Observation Set

GROUP: 111535120PT 107

0111					
0115	-2345.2290	0.0005	0.0029	0.0003	10.6368
	518.7810	0.0007	-0.0016	0.0004	-4.1452
	-639.0380	0.0009	-0.0009	0.0006	-1.4191

End of Observation Set

RT[illegible]:

GROUP: 151735130PT 108
0115
0117

-3131.0220	0.0004	0.0022	0.0002	11.6025
825.1800	0.0012	-0.0044	0.0007	-6.7962
-668.2940	0.0004	-0.0001	0.0002	-0.4989

End of Observation Set

GROUP: 444634330PT 109
0144
0146

1425.6110	0.0007	0.0008	0.0005	1.7152
301.4650	0.0019	0.0127	0.0014	9.1617
1260.4140	0.0008	-0.0036	0.0006	-6.2634

End of Observation Set

GROUP: 151935130PT 110
0115
0119

-5523.8130	0.0006	0.0041	0.0005	8.9279
1326.5830	0.0018	-0.0093	0.0015	-6.1912
-1360.1220	0.0007	-0.0000	0.0005	-0.0730

End of Observation Set

GROUP: 152035130PT 111
0115
0120

-6450.7740	0.0012	0.0113	0.0011	10.7281
1255.8820	0.0035	-0.0160	0.0034	-4.7378
-2007.6650	0.0013	-0.0021	0.0012	-1.7594

End of Observation Set

GROUP: 171935130PT 112
0117
0119

-2392.7910	0.0005	0.0019	0.0003	6.9650
501.4030	0.0014	-0.0048	0.0009	-5.4740
-691.8280	0.0005	0.0001	0.0003	0.2305

End of Observation Set

GROUP: 454634330PT 113
0145

R" ID:

0146	694.9310	0.0009	0.0009	0.0007	1.4004
	563.0020	0.0023	0.0138	0.0018	7.6282
	1212.1310	0.0010	-0.0043	0.0008	-5.6076

End of Observation Set

GROUP: 172035130PT 114
0117

0120	-3319.7520	0.0011	0.0091	0.0010	9.1394
	430.7020	0.0034	-0.0116	0.0032	-3.6613
	-1339.3710	0.0013	-0.0020	0.0011	-1.7694

End of Observation Set

GROUP: 192035130PT 115
0119

0120	-926.9610	0.0011	0.0072	0.0009	8.1184
	-70.7030	0.0031	-0.0048	0.0029	-1.6603
	-647.5420	0.0012	-0.0031	0.0010	-2.9099

End of Observation Set

GROUP: 646935140PT 116
(4

0169	7388.6350	0.0015	-0.0131	0.0011	-11.7358
	-3230.6550	0.0021	-0.0172	0.0015	-11.6703
	-209.0330	0.0011	-0.0037	0.0007	-5.0317

End of Observation Set

GROUP: 374634340PT 117
0137

0146	3073.1040	0.0022	0.0100	0.0022	4.6195
	-4306.7150	0.0030	-0.0035	0.0029	-1.2189
	-4252.5540	0.0019	-0.0077	0.0018	-4.2836

End of Observation Set

GROUP: 647335140PT 118
0164

0173	11870.3890	0.0021	-0.0215	0.0019	-11.0524
	-4954.8680	0.0028	-0.0277	0.0026	-10.7707

RESID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	8.2580	0.0015	-0.0048	0.0013	-3.7879

========== End of Observation Set ==========

GROUP: 697335140PT 119
0169
0173

4481.7530	0.0012	-0.0074	0.0007	-11.2427
-1724.2140	0.0016	-0.0095	0.0009	-11.1488
217.2920	0.0008	-0.0021	0.0004	-4.7580

========== End of Observation Set ==========

GROUP: 070835210PT 120
0107
0108

-1149.0960	0.0006	-0.0017	0.0004	-4.2938
1447.5970	0.0009	-0.0023	0.0006	-3.5308
1370.6050	0.0006	0.0006	0.0004	1.4352

========== End of Observation Set ==========

GROUP: 374734340PT 121
0107
0147

3435.3950	0.0020	0.0029	0.0017	1.6627
-3000.6400	0.0026	-0.0080	0.0023	-3.5283
-2204.7660	0.0015	-0.0065	0.0012	-5.2877

========== End of Observation Set ==========

GROUP: 071135210PT 122
0107
0111

-4305.3420	0.0009	-0.0001	0.0008	-0.1153
2250.5160	0.0015	-0.0064	0.0014	-4.6379
665.1600	0.0010	0.0029	0.0009	3.2194

========== End of Observation Set ==========

GROUP: 071235210PT 123
0107
0112

-4464.9580	0.0007	0.0004	0.0005	0.6901
1863.8010	0.0011	-0.0063	0.0010	-6.6170
21.5860	0.0008	0.0039	0.0007	5.8912

========== End of Observation Set ==========

P ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 081135210PT 124					
0108					
0111	-3156.2440	0.0008	-0.0004	0.0007	-0.5233
	802.9190	0.0014	-0.0041	0.0012	-3.4529
	-705.4460	0.0010	0.0033	0.0008	3.9802
========== End of Observation Set ==========					
GROUP: 374834340PT 125					
0137					
0148	5427.9800	0.0019	0.0021	0.0017	1.1980
	-2395.6190	0.0026	-0.0079	0.0023	-3.4110
	-163.8410	0.0014	-0.0099	0.0012	-8.0280
========== End of Observation Set ==========					
GROUP: 081235210PT 126					
0108					
0112	-3315.8610	0.0007	0.0011	0.0005	2.0533
	416.2010	0.0012	-0.0010	0.0009	-1.1180
	-1349.0160	0.0008	0.0002	0.0007	0.3656
========== End of Observation Set ==========					
UP: 111235210PT 127					
0111					
0112	-159.6150	0.0004	-0.0005	0.0002	-2.3294
	-386.7170	0.0007	0.0021	0.0004	5.3686
	-643.5720	0.0005	-0.0011	0.0003	-4.1726
========== End of Observation Set ==========					
GROUP: 077335220PT 128					
0107					
0173	-4718.3510	0.0013	0.0062	0.0012	5.3007
	-919.2130	0.0021	0.0027	0.0018	1.5068
	-4010.5090	0.0025	0.0032	0.0023	1.3855
========== End of Observation Set ==========					
GROUP: 464734340PT 129					
0146					
0147	362.2850	0.0012	-0.0011	0.0008	-1.3058
	1306.0660	0.0017	0.0045	0.0011	4.1638
	2047.7910	0.0009	-0.0018	0.0006	-3.0533
========== End of Observation Set ==========					
GROUP: 070209020PT 130					

RF[illegible]:

[illegible]702
[illegible]702

2009.0520	0.0008	-0.0039	0.0007	-5.4199
591.3130	0.0012	-0.0024	0.0010	-2.5478
1969.6690	0.0016	0.0075	0.0015	5.1214

End of Observation Set

GROUP: 077835220PT 131
0107
[illegible]178

-594.6420	0.0009	-0.0107	0.0007	-15.2901
-1691.4930	0.0015	-0.0117	0.0012	-9.9565
-2679.4620	0.0017	0.0276	0.0015	18.8313

End of Observation Set

GROUP: 737635220PT 132
0173
[illegible]176

3379.0590	0.0009	-0.0070	0.0007	-10.3039
-459.6060	0.0016	-0.0034	0.0012	-2.7991
1331.1960	0.0018	0.0051	0.0014	3.5160

End of Observation Set

GROUP: 464834340PT 133
[illegible]146
0148

2354.8690	0.0023	-0.0009	0.0021	-0.4218
1911.0860	0.0030	0.0056	0.0028	2.0086
4088.7180	0.0017	-0.0071	0.0015	-4.6404

End of Observation Set

GROUP: 051903420PT 134
0519
0342

-6221.2390	0.0014	-0.0078	0.0012	-6.4794
1975.6560	0.0023	-0.0059	0.0021	-2.8680
-769.2180	0.0016	0.0007	0.0014	0.5070

End of Observation Set

GROUP: 767835220PT 135
[illegible]176
[illegible]178

744.6450	0.0005	-0.0048	0.0003	-17.5905
-312.6810	0.0009	-0.0040	0.0004	-9.3020

F' 'ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-0.1380	0.0010	0.0083	0.0005	16.0631

End of Observation Set

GROUP: 034209030PT 136

0342					
0903	-2062.4520	0.0008	-0.0079	0.0007	-11.4689
	1357.0290	0.0012	-0.0039	0.0009	-4.2437
	727.9710	0.0016	0.0126	0.0014	8.7691

End of Observation Set

GROUP: 474834340PT 137

0147					
0148	1992.5840	0.0014	0.0002	0.0010	0.2145
	605.0190	0.0018	0.0021	0.0013	1.6117
	2040.9270	0.0010	-0.0053	0.0007	-7.7030

End of Observation Set

(UP: 736835230PT 138

0173					
0168	-4793.6490	0.0009	0.0055	0.0007	7.8539
	1037.7800	0.0026	-0.0001	0.0021	-0.0662
	-1339.6610	0.0010	-0.0068	0.0008	-8.6783

End of Observation Set

GROUP: 737235230PT 139

0173					
0172	-166.3060	0.0004	0.0026	0.0002	16.2538
	-412.1860	0.0012	0.0013	0.0005	2.4945
	-669.2270	0.0005	-0.0030	0.0002	-15.9942

End of Observation Set

GROUP: 636835230PT 140

0163					
0168	5964.1280	0.0008	-0.0092	0.0005	-18.6468
	-2459.5710	0.0023	-0.0002	0.0016	-0.1387
	59.0700	0.0009	0.0097	0.0005	18.1457

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 363334350PT 141					
0136					
0133	1549.5440	0.0006	-0.0023	0.0004	-5.1402
			^^^^^^^^^^		
	786.3720	0.0009	0.0003	0.0006	0.4641
	2034.1750	0.0008	-0.0012	0.0006	-2.1302
========== End of Observation Set ==========					
GROUP: 637235230PT 142					
0163					
0172	10591.4720	0.0015	-0.0131	0.0013	-10.0242
			^^^^^^^^^^		
	-3909.5340	0.0041	-0.0018	0.0039	-0.4574
	729.5020	0.0016	0.0155	0.0014	11.1598
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 687235230PT 143					
	4627.3450	0.0008	-0.0049	0.0006	-8.2592
			^^^^^^^^^^		
	-1449.9640	0.0024	-0.0005	0.0017	-0.3110
	670.4330	0.0009	0.0048	0.0007	7.3430
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 202635240PT 144					
0120					
0126	-8269.1040	0.0028	0.0699	0.0027	26.1632
			^^^^^^^^^^		
	1054.1400	0.0041	0.0525	0.0039	13.5966
			^^^^^^^^^^		
	-3383.6700	0.0020	-0.0284	0.0018	-15.7253
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 363434350PT 145					
0136					
0134	353.0210	0.0005	-0.0010	0.0003	-3.2224
	889.3630	0.0008	0.0006	0.0004	1.3618
	1460.7520	0.0007	-0.0010	0.0004	-2.4033
========== End of Observation Set ==========					

RF TID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 262900930PT 146					
0526					
0529	5692.8030	0.0008	0.0083	0.0006	13.4976
	-882.8230	0.0023	0.0044	0.0019	2.2979
	1980.6160	0.0013	0.0074	0.0010	7.4103
========== End of Observation Set ==========					
GROUP: 206435240PT 147					
0120					
0164	-3487.4330	0.0015	0.0515	0.0013	40.1855
	10.4930	0.0022	0.0374	0.0018	20.5173
	-2037.1950	0.0011	-0.0209	0.0008	-26.2380
========== End of Observation Set ==========					
GROUP: 265335240PT 148					
0126					
0153	-4588.4750	0.0014	0.0360	0.0011	32.2754
	1424.5100	0.0020	0.0140	0.0016	8.9981
	-690.7800	0.0010	-0.0109	0.0007	-15.7730
========== End of Observation Set ==========					
GROUP: 333434350PT 149					
0133					
0134	-1196.5230	0.0006	0.0013	0.0004	3.2871
	102.9920	0.0009	-0.0007	0.0005	-1.3092
	-573.4240	0.0008	0.0013	0.0005	2.4193
========== End of Observation Set ==========					
GROUP: 266435240PT 150					
0126					
0164	4781.6710	0.0016	-0.0184	0.0016	-11.6403
	-1043.6470	0.0023	-0.0151	0.0023	-6.6865
	1346.4750	0.0011	0.0076	0.0010	7.7725
========== End of Observation Set ==========					

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 536435240PT 151					
153					
164	9370.1450	0.0027	-0.0534	0.0026	-20.9173
	-2468.1560	0.0038	-0.0301	0.0036	-8.3633
	2037.2560	0.0019	0.0175	0.0017	10.1492
========== End of Observation Set ==========					
GROUP: 020435710PT 152					
102					
104	-4426.5430	0.0006	0.0004	0.0004	1.0416
	1849.2060	0.0011	0.0001	0.0008	0.0812
	36.5930	0.0007	0.0000	0.0005	0.0155
========== End of Observation Set ==========					
GROUP: 020835710PT 153					
102					
0108	-10529.2320	0.0010	0.0026	0.0009	2.9536
	3903.2880	0.0021	-0.0015	0.0018	-0.8060
	-634.0110	0.0014	0.0015	0.0012	1.2644
========== End of Observation Set ==========					
GROUP: 029235710PT 154					
0102					
0192	4245.8770	0.0006	-0.0014	0.0005	-2.9321
	-2205.4170	0.0012	0.0006	0.0009	0.6759
	-631.5890	0.0008	-0.0001	0.0006	-0.2204
========== End of Observation Set ==========					
GROUP: 029335710PT 155					
0102					
0193	2937.3630	0.0005	-0.0001	0.0003	-0.3074
	-1184.7300	0.0009	-0.0001	0.0006	-0.1235
	36.9470	0.0006	-0.0002	0.0004	-0.4780
========== End of Observation Set ==========					
GROUP: 040835710PT 156					
0104					
0108	-6102.6880	0.0006	0.0012	0.0004	3.0537
	2054.0820	0.0012	-0.0015	0.0008	-1.8815
	-670.6040	0.0008	0.0015	0.0006	2.7773
========== End of Observation Set ==========					
GROUP: 049235710PT 157					

R' 'ID:

0104
0192

8672.4200	0.0008	-0.0018	0.0006	-2.7320
-4054.6230	0.0016	0.0006	0.0013	0.4491
-668.1810	0.0011	-0.0011	0.0009	-1.3070

========== End of Observation Set ==========

GROUP: 049335710PT 158
0104
0193

7363.9050	0.0008	0.0005	0.0006	0.7907
-3033.9380	0.0015	0.0019	0.0013	1.4698
0.3550	0.0011	-0.0012	0.0009	-1.3600

========== End of Observation Set ==========

GROUP: 222600240PT 159
0522
0526

3352.9590	0.0011	0.0175	0.0009	20.1796
-367.4330	0.0016	0.0217	0.0012	18.3519
1385.1810	0.0008	-0.0062	0.0005	-11.2296

========== End of Observation Set ==========

GROUP: 089335710PT 160
(3
0193

13466.5940	0.0013	-0.0017	0.0012	-1.4219
-5088.0190	0.0026	0.0024	0.0024	0.9793
670.9600	0.0018	-0.0037	0.0017	-2.1964

========== End of Observation Set ==========

GROUP: 929335710PT 161
0192
0193

-1308.5130	0.0006	0.0003	0.0005	0.5685
1020.6880	0.0013	-0.0017	0.0010	-1.6475
668.5340	0.0009	0.0020	0.0007	3.0099

========== End of Observation Set ==========

GROUP: 078035720PT 162
0107
0180

4173.2850	0.0007	-0.0040	0.0006	-6.3138
-2447.4530	0.0012	0.0009	0.0011	0.8299
-995.6940	0.0015	-0.0003	0.0013	-0.2102

========== End of Observation Set ==========

GROUP: 078135720PT 163
0107
0181

4449.2350	0.0006	-0.0037	0.0005	-8.0898

NTROL:

TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-1792.1980	0.0009	0.0030	0.0007	4.3949
	77.1200	0.0011	0.0006	0.0009	0.6494

End of Observation Set

GROUP: 078435720PT 164
0107
184

8902.3040	0.0006	-0.0023	0.0005	-4.7276
-3678.5140	0.0009	0.0037	0.0007	5.5898
6.1850	0.0011	-0.0012	0.0009	-1.3989

End of Observation Set

ROUP: 079135720PT 165
0107
0191

13314.2290	0.0007	-0.0027	0.0007	-4.1533
-5460.6760	0.0010	0.0074	0.0009	8.4191
58.1650	0.0013	-0.0041	0.0012	-3.5352

End of Observation Set

GROUP: 808135720PT 166
0180
181

275.9500	0.0004	0.0003	0.0003	1.1394
655.2580	0.0007	-0.0009	0.0005	-2.0025
1072.8150	0.0008	-0.0002	0.0005	-0.3011

End of Observation Set

GROUP: 808435720PT 167
180
184

4729.0210	0.0005	-0.0003	0.0004	-0.8372
-1231.0580	0.0008	-0.0001	0.0006	-0.2126
1001.8780	0.0010	0.0000	0.0007	0.0494

End of Observation Set

GROUP: 809135720PT 168
180
191

9140.9480	0.0006	-0.0027	0.0005	-5.7827
-3013.2190	0.0010	0.0025	0.0008	3.2294
1053.8550	0.0012	0.0001	0.0010	0.1384

End of Observation Set

ROUP: 818435720PT 169

R' ID:

0181
0184

4453.0710	0.0004	-0.0006	0.0003	-2.1346
-1886.3150	0.0006	-0.0002	0.0004	-0.5385
-70.9370	0.0008	0.0002	0.0005	0.3804

========== End of Observation Set ==========

GROUP: 819135720PT 170
0181
0191

8864.9970	0.0006	-0.0020	0.0005	-3.8355
-3668.4760	0.0009	0.0024	0.0008	3.0907
-18.9590	0.0012	-0.0007	0.0010	-0.7037

========== End of Observation Set ==========

GROUP: 849135720PT 171
0184
0191

4411.9270	0.0005	-0.0024	0.0003	-7.2005
-1782.1610	0.0007	0.0026	0.0005	5.1646
51.9780	0.0009	-0.0009	0.0007	-1.3524

========== End of Observation Set ==========

GROUP: 242735730PT 172
0124
(7

-1632.7150	0.0004	0.0005	0.0003	1.7665
211.6530	0.0010	0.0007	0.0007	0.9967
-662.9080	0.0005	-0.0008	0.0003	-2.5233

========== End of Observation Set ==========

GROUP: 242935730PT 173
0124
0129

-4789.3110	0.0005	0.0018	0.0004	4.3484
1064.5710	0.0012	-0.0025	0.0010	-2.5719
-1329.3190	0.0006	-0.0009	0.0005	-2.0785

========== End of Observation Set ==========

GROUP: 243035730PT 174
0124
0130

-7186.9280	0.0005	0.0003	0.0004	0.8144
1578.2100	0.0013	0.0004	0.0010	0.3920
-1965.0470	0.0006	-0.0008	0.0004	-1.9168

========== End of Observation Set ==========

GROUP: 243235730PT 175
0124
0132

-9779.7900	0.0008	-0.0014	0.0007	-2.0423
1658.7530	0.0018	0.0052	0.0016	3.3510

RF

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-3447.3470	0.0008	-0.0019	0.0007	-2.7371
========== End of Observation Set ==========					
GROUP: 272935730PT 176					
0127					
0129	-3156.5970	0.0006	0.0023	0.0005	4.2866
	852.9170	0.0015	-0.0022	0.0013	-1.7320
	-666.4100	0.0007	-0.0011	0.0006	-1.9519
========== End of Observation Set ==========					
GROUP: 273035730PT 177					
0127					
0130	-5554.2130	0.0005	-0.0002	0.0004	-0.4727
	1366.5560	0.0013	0.0007	0.0010	0.6814
	-1302.1390	0.0006	-0.0000	0.0004	-0.0692
========== End of Observation Set ==========					
GROUP: 273235730PT 178					
0127					
0132	-8147.0750	0.0009	-0.0019	0.0008	-2.2391
	1447.0990	0.0022	0.0055	0.0020	2.8186
	-2784.4390	0.0010	-0.0011	0.0009	-1.2209
========== End of Observation Set ==========					
GROUP: 293035730PT 179					
0129					
0130	-2397.6170	0.0006	-0.0015	0.0004	-3.3066
	513.6390	0.0014	0.0029	0.0011	2.6746
	-635.7280	0.0006	0.0001	0.0005	0.2148
========== End of Observation Set ==========					
GROUP: 293235730PT 180					
0129					
0132	-4990.4800	0.0010	-0.0022	0.0010	-2.1983
	594.1820	0.0024	0.0078	0.0023	3.3920
	-2118.0280	0.0011	-0.0009	0.0010	-0.9040
========== End of Observation Set ==========					
GROUP: 303235730PT 181					
0130					
0132	-2592.8620	0.0006	-0.0017	0.0005	-3.2810
	80.5430	0.0015	0.0049	0.0012	4.0027
	-1482.3000	0.0007	-0.0010	0.0005	-1.9949
========== End of Observation Set ==========					

RF ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 525635740PT 182					
0152					
0156	3139.6620	0.0015	-0.0125	0.0010	-12.9879
	-841.6140	0.0024	-0.0208	0.0015	-13.7617
	661.7450	0.0009	0.0062	0.0006	11.0048
========== End of Observation Set ==========					
GROUP: 526035740PT 183					
0152					
0160	5933.6540	0.0023	-0.0269	0.0021	-12.8161
	-2493.6700	0.0036	-0.0446	0.0033	-13.5396
	12.9110	0.0014	0.0139	0.0012	11.1348
========== End of Observation Set ==========					
GROUP: 230236510PT 184					
0523					
0[illegible]	-9790.3850	0.0015	0.0022	0.0014	1.5338
	1469.9150	0.0023	-0.0033	0.0022	-1.5379
	-3492.8700	0.0038	0.0009	0.0038	0.2371
========== End of Observation Set ==========					
GROUP: 170236510PT 185					
0517					
0902	-6828.7740	0.0007	-0.0005	0.0006	-0.9162
	305.3250	0.0015	0.0009	0.0012	0.7487
	-3457.2190	0.0013	0.0002	0.0010	0.1927
========== End of Observation Set ==========					
GROUP: 566035740PT 186					
0156					
0160	2793.9890	0.0014	-0.0114	0.0009	-12.8538
	-1652.0610	0.0022	-0.0188	0.0014	-13.7514
	-648.8320	0.0009	0.0057	0.0005	10.6687
========== End of Observation Set ==========					
GROUP: 034203440PT 187					
0342					

ESID:

	3755.5150	0.0012	0.0009	0.0009	0.9580
	-1455.4040	0.0023	-0.0039	0.0019	-2.0890
	86.2310	0.0014	0.0026	0.0010	2.5034

End of Observation Set

GROUP: 737835220PT 188
0173
0178

	4123.7040	0.0012	-0.0119	0.0010	-11.7723
	-772.2880	0.0020	-0.0064	0.0017	-3.6837
	1331.0580	0.0023	0.0133	0.0021	6.4717

End of Observation Set

GROUP: 077635220PT 189
0107
0176

	-1339.2860	0.0009	-0.0068	0.0007	-10.1408
	-1378.8120	0.0015	-0.0077	0.0012	-6.4676
	-2679.3240	0.0017	0.0193	0.0014	13.6429

End of Observation Set

GROUP: 788535740PT 190
0178
0185

	8986.8820	0.0017	-0.0686	0.0015	-46.3437
	-3226.9050	0.0021	-0.0592	0.0016	-37.1983
	665.4390	0.0016	0.0279	0.0012	22.7747

End of Observation Set

GROUP: 921835810PT 191
0192
0318

	7586.2310	0.0009	-0.0038	0.0008	-4.6983
	-2528.1470	0.0024	0.0153	0.0022	6.9027
	819.5250	0.0014	-0.0041	0.0013	-3.2483

End of Observation Set

GROUP: 922035810PT 192
0192
0320

	4425.5690	0.0008	-0.0044	0.0006	-6.7385
	-1683.0900	0.0021	0.0098	0.0018	5.4139

R' ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	183.7740	0.0012	-0.0021	0.0010	-2.0525

End of Observation Set

GROUP: 922235810PT 193
0192
0322

2892.6920	0.0006	-0.0035	0.0004	-8.6842
-1602.6390	0.0016	0.0140	0.0013	11.0982
-589.6660	0.0009	-0.0031	0.0007	-4.6286

End of Observation Set

GROUP: 171835810PT 194
0317
0318

-1638.9480	0.0004	0.0011	0.0002	5.0774
211.1870	0.0009	-0.0028	0.0005	-5.2761
-646.1970	0.0006	0.0006	0.0004	1.7131

End of Observation Set

GROUP: 172035810PT 195
0317
0320

-4799.6120	0.0007	0.0025	0.0005	4.7550
1056.2380	0.0015	-0.0023	0.0012	-1.9275
-1281.9460	0.0010	0.0006	0.0008	0.7395

End of Observation Set

GROUP: 172235810PT 196
0317
0322

-6332.4870	0.0005	0.0014	0.0004	3.6794
1136.6950	0.0012	-0.0041	0.0009	-4.6751
-2055.3880	0.0008	0.0016	0.0006	2.6588

End of Observation Set

GROUP: 182035810PT 197
0318
0320

-3160.6640	0.0007	0.0014	0.0005	2.6213
845.0530	0.0015	-0.0016	0.0012	-1.3240
-635.7490	0.0010	-0.0000	0.0008	-0.0205

End of Observation Set

TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 182235810PT 198					
318					
322	-4693.5390	0.0006	0.0002	0.0005	0.4528
	925.5080	0.0014	-0.0013	0.0011	-1.2104
	-1409.1900	0.0009	-0.0000	0.0008	-0.0157
End of Observation Set					
GROUP: 202235810PT 199					
320					
322	-1532.8770	0.0005	0.0008	0.0004	2.0745
	80.4560	0.0013	-0.0008	0.0009	-0.8346
	-773.4410	0.0009	0.0000	0.0006	0.0068
End of Observation Set					
GROUP: 179035820PT 200					
317					
0190	-9868.4200	0.0009	0.0024	0.0008	2.9489
	1093.3520	0.0012	-0.0001	0.0010	-0.1311
	-4160.1010	0.0014	0.0012	0.0012	0.9982
End of Observation Set					
P: 179135820PT 201					
0191	-9536.9600	0.0011	0.0049	0.0010	5.0497
	1939.7570	0.0014	-0.0015	0.0012	-1.2773
	-2780.5830	0.0015	0.0007	0.0013	0.4820
End of Observation Set					
GROUP: 172135820PT 202					
0317					
0321	-5056.4380	0.0008	0.0001	0.0006	0.1672
	70.6560	0.0010	-0.0012	0.0008	-1.4869
	-2819.8230	0.0012	0.0031	0.0010	3.1874
End of Observation Set					
GROUP: 172835820PT 203					
0317					
0328	-2089.6750	0.0007	-0.0024	0.0006	-4.1202
	-1145.9300	0.0009	0.0005	0.0008	0.6456
	-2814.7120	0.0011	-0.0036	0.0010	-3.6348
End of Observation Set					
GROUP: 909135820PT 204					
0190					
0191	331.4600	0.0006	0.0024	0.0004	5.5045

R' ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	846.4050	0.0008	-0.0014	0.0005	-2.5655
	1379.5150	0.0009	0.0024	0.0006	3.7478

End of Observation Set

GROUP: 902135820PT 205
0190
0321

4811.9810	0.0006	-0.0013	0.0005	-2.7378
-1022.6970	0.0008	-0.0000	0.0006	-0.0477
1340.2830	0.0010	-0.0031	0.0007	-4.3240

End of Observation Set

GROUP: 902835820PT 206
0190
0328

7778.7450	0.0007	-0.0048	0.0006	-8.0490
-2239.2810	0.0010	-0.0004	0.0008	-0.4904
1345.3890	0.0011	-0.0048	0.0010	-4.8750

End of Observation Set

GROUP: 912135820PT 207
0191
0321

4480.5190	0.0008	-0.0018	0.0006	-2.7598
-1869.1040	0.0010	0.0034	0.0008	4.1950
-39.2290	0.0012	-0.0085	0.0010	-8.2686

End of Observation Set

GROUP: 912835820PT 208
0191
0328

7447.2840	0.0009	-0.0063	0.0008	-8.2055
-3085.6870	0.0012	0.0020	0.0010	2.0612
-34.1260	0.0014	-0.0072	0.0012	-5.9623

End of Observation Set

GROUP: 212835820PT 209
0321
0328

2966.7630	0.0006	-0.0025	0.0005	-5.3494
-1216.5860	0.0008	0.0017	0.0006	2.6962
5.1110	0.0010	-0.0067	0.0008	-8.9279

TYPE:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
		End of Observation Set			
GROUP: 282635830PT 210					
0328					
0326	-1796.2870	0.0006	0.0005	0.0005	0.9672
	-220.4820	0.0014	0.0082	0.0012	6.8408
	-1345.7520	0.0008	-0.0036	0.0007	-5.3064
		End of Observation Set			
GROUP: 282735830PT 211					
0328					
0327	-172.3900	0.0006	-0.0010	0.0005	-1.9901
	-402.3230	0.0013	0.0076	0.0011	6.8734
	-665.7040	0.0008	-0.0034	0.0006	-5.2589
		End of Observation Set			
GROUP: 283035830PT 212					
	2982.1860	0.0007	-0.0018	0.0006	-3.2959
	-1207.8680	0.0015	0.0062	0.0012	4.9800
	18.4620	0.0008	-0.0023	0.0007	-3.4167
		End of Observation Set			
GROUP: 283135830PT 213					
0328					
0331	4636.9420	0.0008	-0.0067	0.0007	-10.1315
	-1400.5400	0.0017	0.0055	0.0015	3.6315
	700.3980	0.0009	-0.0005	0.0008	-0.6341
		End of Observation Set			
GROUP: 262735830PT 214					
0326					
0327	1623.8980	0.0004	-0.0025	0.0003	-9.2819
	-181.8390	0.0009	-0.0027	0.0006	-4.5055
	680.0460	0.0005	0.0022	0.0003	6.5399
		End of Observation Set			

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

F ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 263035830PT 215					
0326					
0330	4778.4730	0.0006	-0.0024	0.0005	-5.1026
	-987.3860	0.0013	-0.0021	0.0010	-2.0302
	1364.2130	0.0007	0.0023	0.0006	4.0990
========== End of Observation Set ==========					
GROUP: 263135830PT 216					
0326					
0331	6433.2280	0.0006	-0.0062	0.0005	-13.2369
	-1180.0590	0.0013	-0.0017	0.0010	-1.6567
	2046.1500	0.0007	0.0031	0.0006	5.5247
========== End of Observation Set ==========					
GROUP: 273035830PT 217					
0327					
0330	3154.5760	0.0006	-0.0008	0.0004	-1.9154
	-805.5460	0.0013	-0.0004	0.0010	-0.3842
	684.1670	0.0007	0.0000	0.0005	0.0830
========== End of Observation Set ==========					
GROUP: 273135830PT 218					
0327					
0331	4809.3310	0.0006	-0.0047	0.0005	-10.1507
	-998.2200	0.0013	0.0010	0.0010	0.9097
	1366.1030	0.0007	0.0019	0.0006	3.2916
========== End of Observation Set ==========					
GROUP: 303135830PT 219					
0330					
0331	1654.7550	0.0005	-0.0039	0.0004	-9.7026
	-192.6740	0.0012	0.0013	0.0009	1.5012
	681.9370	0.0006	0.0008	0.0005	1.7114
========== End of Observation Set ==========					
GROUP: 171335840PT 220					
0317					
0313	6116.1440	0.0013	-0.0150	0.0010	-14.4210
	-2112.9900	0.0018	-0.0004	0.0014	-0.3060
	546.2150	0.0009	0.0059	0.0007	8.2433

RF

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		

End of Observation Set

GROUP: 171235840PT 221
0317
0312

7615.6240	0.0010	-0.0074	0.0009	-8.4242
		^^^^^^^^^^		
-2722.5790	0.0015	0.0038	0.0013	2.9323
550.2840	0.0010	0.0092	0.0009	10.7117
		^^^^^^^^^^		

End of Observation Set

GROUP: 171535840PT 222
0317
0315

3001.0480	0.0009	-0.0067	0.0006	-11.5727
		^^^^^^^^^^		
-1211.3730	0.0012	0.0009	0.0008	1.2025
23.0040	0.0008	0.0039	0.0005	7.3273
		^^^^^^^^^^		

End of Observation Set

GROUP: 131235840PT 223
0312

-246.2800	0.0012	0.0638	0.0010	66.8336
		^^^^^^^^^^		
-2256.5330	0.0017	0.0205	0.0013	15.9765
		^^^^^^^^^^		
-3312.1800	0.0012	-0.0220	0.0010	-23.1737
		^^^^^^^^^^		

End of Observation Set

GROUP: 131335840PT 224
0313
0313

-1745.7540	0.0016	0.0502	0.0014	36.8454
		^^^^^^^^^^		
-1646.9400	0.0020	0.0123	0.0016	7.5652
		^^^^^^^^^^		
-3316.2570	0.0014	-0.0173	0.0011	-15.6861
		^^^^^^^^^^		

End of Observation Set

GROUP: 131535840PT 225
0313
0315

-3115.1000	0.0014	0.0123	0.0011	10.9727
		^^^^^^^^^^		
901.6120	0.0018	0.0064	0.0014	4.5088

F' 'ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	-523.2080	0.0010	-0.0050	0.0007	-6.7131

End of Observation Set

GROUP: 121335840PT 226
0312
0313

-1499.4830	0.0011	-0.0046	0.0009	-5.3263
609.5840	0.0015	0.0008	0.0011	0.7086
-4.0700	0.0009	-0.0022	0.0007	-3.1091

End of Observation Set

GROUP: 121535840PT 227
0312
0315

-4614.5770	0.0011	0.0017	0.0008	2.0125
1511.2030	0.0015	0.0002	0.0012	0.1654
-527.2820	0.0010	-0.0033	0.0008	-4.1338

End of Observation Set

GROUP: 130836010PT 228
0013
(3

6075.6630	0.0104	0.0369	0.0103	3.5771
-4291.0730	0.0162	0.0194	0.0161	1.2004
-2547.6420	0.0051	0.0099	0.0050	1.9917

End of Observation Set

GROUP: 130336010PT 229
0013
0803

4447.4330	0.0099	0.0446	0.0099	4.5181
-3595.7510	0.0153	-0.0028	0.0153	-0.1831
-2503.6570	0.0052	0.0234	0.0051	4.6207

End of Observation Set

GROUP: 080336010PT 230
0308
0803

-1628.2200	0.0005	-0.0023	0.0003	-7.7724
695.3010	0.0016	-0.0012	0.0012	-0.9225
43.9960	0.0011	0.0025	0.0008	3.0335

End of Observation Set

GROUP: 030936020PT 231
0803

REF:

309	-172.8600	0.0003	-0.0004	0.0002	-1.7600
	-407.5090	0.0005	-0.0003	0.0003	-1.0356
	-672.1030	0.0004	0.0006	0.0003	2.1062

End of Observation Set

GROUP: 031036020PT 232

303					
310	-345.5060	0.0004	-0.0004	0.0003	-1.3059
	-814.5890	0.0007	-0.0001	0.0005	-0.1333
	-1344.3460	0.0005	0.0011	0.0004	2.6498

End of Observation Set

GROUP: 033636020PT 233

303					
336	-644.3780	0.0004	-0.0007	0.0003	-2.1650
	-1706.2090	0.0007	0.0001	0.0006	0.1992
	-2764.2440	0.0006	0.0005	0.0004	1.1179

End of Observation Set

GROUP: 091036020PT 234

309					
0310	-172.6460	0.0004	-0.0000	0.0003	-0.0767
	-407.0800	0.0007	0.0003	0.0005	0.5233
	-672.2420	0.0005	-0.0005	0.0004	-1.2824

End of Observation Set

GROUP: 093636020PT 235

309					
0336	-471.5180	0.0003	-0.0003	0.0002	-1.6427
	-1298.6990	0.0006	-0.0005	0.0004	-1.4818
	-2092.1420	0.0004	0.0009	0.0003	3.2232

End of Observation Set

GROUP: 103636020PT 236

0310					
0336	-298.8720	0.0004	-0.0003	0.0002	-1.3098
	-891.6200	0.0007	0.0002	0.0005	0.3986
	-1419.8990	0.0005	0.0004	0.0003	1.1846

End of Observation Set

GROUP: 363436030PT 237

0336					
0334	-4501.7520	0.0007	0.0096	0.0006	15.7347
	1819.3650	0.0011	0.0096	0.0009	10.6680
	-25.3320	0.0007	-0.0037	0.0006	-6.2901

R[illegible]ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
		End of Observation Set			
GROUP: 360136030PT 238					
0336					
0801	-3757.0910	0.0008	0.0068	0.0006	11.1116
	1517.2060	0.0011	0.0041	0.0009	4.7096
	-22.4760	0.0007	-0.0028	0.0005	-5.4160
		End of Observation Set			
GROUP: 360236030PT 239					
0336					
0802	-2245.9700	0.0006	0.0047	0.0004	11.0591
	903.5740	0.0009	0.0059	0.0006	10.0773
	-19.6100	0.0006	-0.0020	0.0004	-4.9815
		End of Observation Set			
[illegible]UP: 340136030PT 240					
0334					
0801	744.6640	0.0007	-0.0057	0.0005	-11.3963
	-302.1600	0.0009	-0.0044	0.0007	-6.8184
	2.8550	0.0007	0.0019	0.0005	3.9273
		End of Observation Set			
GROUP: 340236030PT 241					
0334					
0802	2255.7830	0.0007	-0.0058	0.0005	-11.0465
	-915.7890	0.0010	-0.0056	0.0007	-7.9800
	5.7210	0.0007	0.0027	0.0005	5.1833
		End of Observation Set			
GROUP: 010236030PT 242					
0801					
0802	1511.1190	0.0006	-0.0001	0.0004	-0.2442
	-613.6290	0.0008	-0.0012	0.0006	-2.1740
	2.8670	0.0006	-0.0002	0.0004	-0.4601

F[illegible]:

TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
		End of Observation Set			
ROUP: 341236040PT 243					
0334					
312	452.4280	0.0007	-0.0007	0.0005	-1.3338
	1226.0700	0.0016	0.0056	0.0012	4.7609
	1981.0190	0.0010	-0.0082	0.0007	-11.5690
		End of Observation Set			
ROUP: 343136040PT 244					
334					
0331	-4615.9470	0.0007	0.0156	0.0005	30.2971
	1402.1840	0.0015	0.0029	0.0011	2.5138
	-683.5940	0.0009	-0.0065	0.0007	-9.8799
		End of Observation Set			
GROUP: 343236040PT 245					
2	-4483.6600	0.0010	0.0126	0.0008	14.8391
	1810.4380	0.0022	0.0057	0.0019	3.0686
	-33.3790	0.0013	-0.0084	0.0011	-7.9016
		End of Observation Set			
GROUP: 123136040PT 246					
0312					
0331	-5068.3700	0.0009	0.0113	0.0008	14.7645
	176.1240	0.0017	-0.0128	0.0014	-9.0122
	-2664.6190	0.0013	0.0077	0.0012	6.5281
		End of Observation Set			
GROUP: 123236040PT 247					
0312					
0332	-4936.0810	0.0011	0.0063	0.0010	6.3834
	584.3790	0.0022	-0.0109	0.0019	-5.8353
	-2014.4060	0.0017	0.0078	0.0015	5.2808

R" ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		

End of Observation Set

GROUP: 313236040PT 248

0331					
0332	132.2890	0.0005	-0.0050	0.0003	-18.3238
			^^^^^^^^^^		
	408.2560	0.0010	0.0009	0.0005	1.7721
	650.2120	0.0008	0.0011	0.0004	2.5246

End of Observation Set

GROUP: 878936050PT 249

0187					
0189	4070.6230	0.0007	-0.0037	0.0005	-7.8489
			^^^^^^^^^^		
	-1783.0690	0.0009	0.0000	0.0006	0.0713
	-188.8820	0.0007	0.0055	0.0005	10.6397
			^^^^^^^^^^		

End of Observation Set

GROUP: 872536050PT 250

0187					
C 3	7593.3910	0.0011	-0.0086	0.0009	-9.3224
			^^^^^^^^^^		
	-2626.2220	0.0014	-0.0039	0.0012	-3.3229
	660.5750	0.0011	0.0118	0.0009	13.2049
			^^^^^^^^^^		

End of Observation Set

GROUP: 872636050PT 251

0187					
0326	9280.0460	0.0010	-0.0059	0.0009	-6.8145
			^^^^^^^^^^		
	-2841.0250	0.0013	0.0018	0.0011	1.6601
	1332.9270	0.0010	0.0077	0.0009	8.4320
			^^^^^^^^^^		

End of Observation Set

GROUP: 892536050PT 252

0189					
0325	3522.7630	0.0006	0.0001	0.0004	0.1754
	-843.1570	0.0010	0.0001	0.0007	0.1334
	849.4630	0.0006	0.0003	0.0004	0.6542

End of Observation Set

GROUP: 892636050PT 253

ESID:

326	5209.4250	0.0008	-0.0042	0.0006	-7.2472
	-1057.9550	0.0012	0.0008	0.0009	0.8595
	1521.8060	0.0007	0.0051	0.0006	9.2096

End of Observation Set

GROUP: 252636050PT 254
0325

326	1686.6610	0.0007	-0.0032	0.0004	-7.1933
	-214.7970	0.0010	-0.0003	0.0007	-0.4445
	672.3430	0.0007	0.0049	0.0004	11.1898

End of Observation Set

GROUP: 878536060PT 255
0187

0185	-1293.0250	0.0010	0.0083	0.0007	11.2127
	1007.3220	0.0018	0.0132	0.0013	10.0262
	640.7000	0.0006	-0.0049	0.0004	-12.8836

End of Observation Set

GROUP: 878636060PT 256
0187

0186	181.4590	0.0015	0.0009	0.0012	0.7039
	400.1860	0.0027	0.0018	0.0022	0.8448
	637.0270	0.0008	-0.0008	0.0007	-1.2328

End of Observation Set

GROUP: 879036060PT 257
0187

0190	3297.6020	0.0019	-0.0155	0.0018	-8.4427
	-381.2430	0.0034	-0.0250	0.0032	-7.7065
	1333.3020	0.0010	0.0042	0.0010	4.3516

End of Observation Set

GROUP: 858636060PT 258
0185

0186	1474.4840	0.0012	-0.0075	0.0008	-9.8391

RESID:

0.02	2565.3140	0.0005	-0.0029	0.0004	-7.9148
	-1971.6300	0.0014	0.0134	0.0012	11.4097
	-1303.5210	0.0009	-0.0078	0.0007	-11.0629

End of Observation Set

GROUP: 393636120PT 264
0339

0336	-4617.8340	0.0005	0.0019	0.0004	5.0327
	1409.1990	0.0009	-0.0007	0.0007	-0.9966
	-663.7550	0.0006	-0.0000	0.0005	-0.0755

End of Observation Set

GROUP: 390436120PT 265
0339

0804	-1314.5040	0.0004	-0.0008	0.0003	-2.4859
	1055.2610	0.0008	-0.0013	0.0006	-2.0541
	725.2490	0.0006	0.0009	0.0005	1.8058

End of Observation Set

GROUP: 390536120PT 266
0[illegible]

0[illegible]5	-1478.1870	0.0004	-0.0005	0.0003	-1.7531
	638.8640	0.0007	0.0003	0.0005	0.4956
	50.1810	0.0005	-0.0007	0.0004	-1.9477

End of Observation Set

GROUP: 360436120PT 267
0336

0804	3303.3290	0.0003	-0.0016	0.0002	-6.7003
	-353.9390	0.0007	0.0004	0.0005	0.7566
	1389.0050	0.0005	-0.0001	0.0004	-0.2765

End of Observation Set

GROUP: 360536120PT 268
0336

0805	3139.6480	0.0003	-0.0034	0.0002	-14.8749
	-770.3330	0.0006	-0.0010	0.0005	-2.2432
	713.9350	0.0005	0.0003	0.0004	0.8327

End of Observation Set

GROUP: 040536120PT 269
0804

R[illegible]:

805	-163.6810	0.0003	-0.0017	0.0002	-8.5739
	-416.3950	0.0006	-0.0004	0.0004	-1.0320
	-675.0700	0.0005	0.0004	0.0003	1.2842

End of Observation Set

ROUP: 052136150PT 270

805					
0021	2223.4740	0.0006	-0.0153	0.0004	-34.6153
	-1475.7740	0.0010	-0.0028	0.0007	-4.1707
	-682.9140	0.0006	0.0089	0.0004	21.5438

End of Observation Set

GROUP: 050736150PT 271

805					
0707	-1172.6220	0.0009	-0.0064	0.0008	-7.7976
	-2178.2030	0.0015	-0.0046	0.0012	-3.6852
	-3676.5430	0.0009	0.0045	0.0008	5.9342

End of Observation Set

[illegible]UP: 050836150PT 272

0805					
0708	-2341.5990	0.0010	-0.0049	0.0009	-5.5520
	-1476.7830	0.0017	-0.0114	0.0015	-7.5999
	-3378.2160	0.0011	-0.0006	0.0009	-0.6706

End of Observation Set

GROUP: 210736150PT 273

0021					
0707	-3396.0940	0.0009	0.0069	0.0007	9.7919
	-702.4260	0.0014	-0.0048	0.0012	-4.1525
	-2993.6310	0.0009	-0.0023	0.0007	-3.4665

End of Observation Set

GROUP: 210836150PT 274

0021					
0708	-4565.0720	0.0009	0.0094	0.0008	12.3310
	-1.0090	0.0016	-0.0086	0.0014	-6.3674
	-2695.3040	0.0010	-0.0075	0.0008	-9.0109

PTSID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 07083615OPT 275					
0707					
0708	-1168.9780	0.0006	0.0025	0.0004	6.0272
			^^^^^^^^^^		
	701.4170	0.0011	-0.0038	0.0007	-5.1322
			^^^^^^^^^^		
	298.3270	0.0007	-0.0052	0.0005	-11.4344
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 07033613OPT 276					
0707					
0703	4783.4400	0.0008	-0.0023	0.0007	-3.3716
	-1687.9920	0.0010	-0.0028	0.0008	-3.4697
	318.4590	0.0010	0.0075	0.0009	8.5109
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 07043613OPT 277					
7					
0704	4276.2030	0.0009	-0.0010	0.0007	-1.3553
	-2445.4600	0.0011	-0.0007	0.0009	-0.7534
	-1027.4470	0.0010	0.0029	0.0008	3.4746
========== End of Observation Set ==========					
GROUP: 07053613OPT 278					
0707					
0705	1796.0890	0.0006	-0.0003	0.0005	-0.6190
	-1477.4080	0.0008	-0.0010	0.0006	-1.6913
	-1008.5960	0.0008	0.0033	0.0006	5.7055
			^^^^^^^^^^		
========== End of Observation Set ==========					
GROUP: 03043613OPT 279					
0703					
0704	-507.2360	0.0006	0.0003	0.0003	0.8127
	-757.4660	0.0007	0.0002	0.0004	0.3822
	-1345.9100	0.0007	-0.0006	0.0004	-1.3778
========== End of Observation Set ==========					
GROUP: 03053613OPT 280					
0703					
0705	-2987.3510	0.0005	0.0020	0.0003	5.7597

R[illegible]:

TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	210.5830	0.0007	0.0029	0.0004	6.7011
	-1327.0540	0.0008	-0.0052	0.0005	-9.5557

End of Observation Set

GROUP: 040536130PT 281
704
0705

-2480.1130	0.0008	-0.0003	0.0006	-0.5021
968.0520	0.0010	-0.0003	0.0008	-0.4078
18.8500	0.0010	0.0014	0.0007	1.8918

End of Observation Set

GROUP: 083436140PT 282
708
0334

-5299.7880	0.0009	0.0048	0.0008	6.2274
4066.5030	0.0019	-0.0000	0.0017	-0.0052
2638.9540	0.0011	-0.0084	0.0010	-8.3550

End of Observation Set

GROUP: 081136140PT 283
708
0711

-5651.2980	0.0009	-0.0013	0.0007	-1.7685
888.7670	0.0019	-0.0080	0.0016	-5.0714
-1898.1630	0.0012	0.0008	0.0011	0.7720

End of Observation Set

GROUP: 081236140PT 284
708
0712

-6086.2340	0.0008	0.0015	0.0006	2.3497
2452.0910	0.0017	-0.0024	0.0014	-1.7807
-30.0530	0.0011	-0.0037	0.0009	-4.2524

End of Observation Set

GROUP: 341136140PT 285
0334
0711

-351.5170	0.0006	0.0009	0.0004	2.0293
-3177.7480	0.0013	0.0040	0.0009	4.3980
-4537.1070	0.0008	-0.0008	0.0005	-1.4459

End of Observation Set

REF'TD:

GROUP: 341236140PT 286

0334					
0712	-786.4490	0.0005	-0.0003	0.0003	-0.9041
	-1614.4160	0.0011	0.0016	0.0008	2.1143
	-2669.0030	0.0007	0.0007	0.0004	1.6924

End of Observation Set

GROUP: 111236140PT 287

0711					
0712	-434.9330	0.0006	-0.0002	0.0004	-0.5803
	1563.3300	0.0012	-0.0004	0.0008	-0.4805
	1868.1050	0.0008	0.0005	0.0005	0.9904

End of Observation Set

GROUP: 051905200PT 288

0519					
0520	338.2490	0.0007	0.0023	0.0003	7.2023
	832.3490	0.0010	-0.0013	0.0005	-2.7161
	1344.7060	0.0009	0.0016	0.0004	3.5929

End of Observation Set

GROUP: 051905220PT 289

0520					
0522	3429.1930	0.0010	0.0062	0.0008	8.1406
	82.1870	0.0015	-0.0035	0.0012	-3.0172
	2042.5540	0.0013	0.0050	0.0010	5.0308

End of Observation Set

GROUP: 052005220PT 290

0520					
0522	3090.9430	0.0010	0.0049	0.0007	7.1941
	-750.1610	0.0015	-0.0032	0.0011	-2.9864
	697.8480	0.0013	0.0034	0.0009	3.6481

End of Observation Set

GROUP: 052205230PT 291

0522					
0523	317.6990	0.0007	-0.0058	0.0004	-13.5962
	856.4080	0.0011	0.0011	0.0006	1.7731
	1383.1780	0.0009	-0.0015	0.0006	-2.4216

End of Observation Set

REF:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 070209030PT 298					
0702					
0903	-231.1660	0.0011	-0.0021	0.0010	-2.2152
	1515.4790	0.0015	0.0024	0.0013	1.9116
	1995.5680	0.0020	0.0085	0.0019	4.5583
========== End of Observation Set ==========					
GROUP: 090209030PT 299					
0902					
0903	-2240.2120	0.0009	-0.0042	0.0008	-5.5979
	924.1710	0.0012	-0.0001	0.0010	-0.1240
	25.8940	0.0017	0.0060	0.0015	3.9738
========== End of Observation Set ==========					
GROUP: 030603070PT 300					
0306					
0307	-2013.6500	0.0007	-0.0031	0.0005	-5.9624
	795.8140	0.0020	0.0005	0.0016	0.3423
	-40.9530	0.0008	0.0020	0.0006	3.1640
========== End of Observation Set ==========					
GROUP: 030603080PT 301					
0306					
0308	-2997.5800	0.0007	-0.0036	0.0006	-6.3230
	721.2790	0.0022	0.0009	0.0018	0.4746
	-707.5550	0.0009	0.0013	0.0007	1.7699
========== End of Observation Set ==========					
GROUP: 030603400PT 302					
0306					
0340	-420.3260	0.0006	-0.0029	0.0005	-5.3825
	-1287.5360	0.0019	0.0028	0.0017	1.6627
	-2056.8720	0.0008	0.0006	0.0007	0.9029
========== End of Observation Set ==========					
GROUP: 030703080PT 303					
0307					
0308	-983.9270	0.0007	-0.0036	0.0005	-6.6775
	-74.5300	0.0021	-0.0047	0.0017	-2.8216
	-666.6070	0.0009	0.0043	0.0007	6.3777

RECID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
			^^^^^^^^^^		

End of Observation Set

GROUP: 030703400PT 304
0307
0340

1593.3240	0.0006	0.0002	0.0004	0.5508
-2083.3510	0.0017	0.0033	0.0012	2.7885
-2015.9190	0.0007	-0.0014	0.0005	-2.7285

End of Observation Set

GROUP: 030803400PT 305
0308
0340

2577.2520	0.0008	0.0028	0.0007	4.2940
-2008.8220	0.0023	0.0090	0.0020	4.4342
-1349.3130	0.0010	-0.0047	0.0008	-5.7586

End of Observation Set

GROUP: 031736510PT 306
0303
0 7

5048.5750	0.0006	-0.0012	0.0005	-2.5381
-600.0420	0.0010	0.0036	0.0007	5.0770
2026.4890	0.0011	-0.0012	0.0008	-1.5334

End of Observation Set

GROUP: 032336510PT 307
0303
0523

8010.1850	0.0008	-0.0029	0.0007	-4.3265
-1764.6310	0.0012	0.0069	0.0011	6.4164
2062.1370	0.0012	0.0011	0.0011	1.0155

End of Observation Set

GROUP: 030236510PT 308
0303
0902

-1780.2020	0.0005	0.0013	0.0003	4.0222
-294.7160	0.0009	0.0036	0.0006	5.6676
-1430.7270	0.0008	-0.0040	0.0006	-6.9681

End of Observation Set

RE

TATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 172336510PT 309					
517					
523	2961.6090	0.0006	-0.0007	0.0005	-1.5500
	-1164.5890	0.0010	0.0032	0.0007	4.7921
	35.6520	0.0011	-0.0017	0.0008	-2.1356
========== End of Observation Set ==========					
ROUP: 030136520PT 310					
303					
301	1860.3760	0.0004	-0.0008	0.0003	-2.8299
	194.6900	0.0009	-0.0031	0.0006	-4.9174
	1330.1760	0.0006	0.0009	0.0004	2.1889
========== End of Observation Set ==========					
GROUP: 030236520PT 311					
303					
302	197.9010	0.0004	-0.0005	0.0003	-1.6374
	382.4830	0.0010	-0.0036	0.0008	-4.3904
	653.0820	0.0007	0.0022	0.0005	4.2478
========== End of Observation Set ==========					
ROUP: 031636520PT 312					
303					
516	5229.8970	0.0005	-0.0004	0.0004	-0.9060
	-198.7350	0.0011	-0.0064	0.0010	-6.6839
	2698.3350	0.0008	0.0030	0.0006	4.9073
========== End of Observation Set ==========					
ROUP: 010236520PT 313					
301					
302	-1662.4740	0.0004	-0.0008	0.0002	-3.0850
	187.7930	0.0009	-0.0005	0.0006	-0.8605
	-677.0920	0.0006	-0.0007	0.0004	-1.6816
========== End of Observation Set ==========					
ROUP: 011636520PT 314					
301					
516	3369.5210	0.0004	0.0004	0.0002	1.6632
	-393.4260	0.0008	-0.0023	0.0005	-4.5208

F[illegible]ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	1368.1600	0.0005	0.0012	0.0003	3.3669
		End of Observation Set			
GROUP: 021636520PT 315					
0302					
0516	5031.9960	0.0005	0.0002	0.0004	0.4397
	-581.2200	0.0011	-0.0008	0.0009	-0.8552
	2045.2530	0.0008	0.0008	0.0006	1.3624
		End of Observation Set			
GROUP: 020436530PT 316					
0302					
0304	-1646.4230	0.0004	-0.0004	0.0003	-1.5184
	184.6700	0.0006	-0.0007	0.0004	-1.9138
	-671.6930	0.0008	-0.0009	0.0005	-1.6759
		End of Observation Set			
GROUP: 020636530PT 317					
0302					
0306	-6132.1300	0.0006	-0.0015	0.0005	-2.9493
	1990.6490	0.0008	-0.0017	0.0007	-2.5423
	-693.0930	0.0011	0.0014	0.0010	1.4293
		End of Observation Set			
GROUP: 020336530PT 318					
0302					
0903	-4218.3180	0.0006	0.0006	0.0005	1.3849
	246.9790	0.0008	0.0000	0.0006	0.0778
	-2057.9130	0.0010	-0.0023	0.0008	-2.7936
		End of Observation Set			
GROUP: 040636530PT 319					
0304					
0306	-4485.7060	0.0006	-0.0021	0.0004	-4.6182
	1805.9790	0.0008	-0.0009	0.0006	-1.6133
	-21.3990	0.0011	0.0013	0.0008	1.5418
		End of Observation Set			
GROUP: 040336530PT 320					
0304					
0903	-2571.8950	0.0005	0.0011	0.0004	2.8329
	62.3100	0.0007	-0.0002	0.0005	-0.4664
	-1386.2190	0.0010	-0.0023	0.0007	-3.2973
		End of Observation Set			

RESTD:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 060336530PT 321					
0306					
0903	1913.8110	0.0005	0.0031	0.0004	8.5637
	-1743.6700	0.0007	0.0017	0.0005	3.6822
	-1364.8200	0.0009	-0.0037	0.0007	-5.5217
========== End of Observation Set ==========					
GROUP: 081400210PT 322					
0508					
0514	-6152.8130	0.0005	-0.0025	0.0003	-7.2569
	1973.6120	0.0007	0.0000	0.0005	0.0755
	-689.0990	0.0005	-0.0000	0.0003	-0.0213
========== End of Observation Set ==========					
GROUP: 082300210PT 323					
0508					
0523	-6690.2600	0.0007	0.0006	0.0006	1.0859
	778.2950	0.0009	-0.0000	0.0007	-0.0234
	-2688.2490	0.0006	-0.0004	0.0005	-0.8937
========== End of Observation Set ==========					
GROUP: 082700210PT 324					
0508					
0527	-3325.9860	0.0005	-0.0002	0.0003	-0.5522
	379.1880	0.0007	0.0002	0.0005	0.5223
	-1343.9690	0.0005	0.0003	0.0003	0.7853
========== End of Observation Set ==========					
GROUP: 142300210PT 325					
0514					
0523	-537.4470	0.0007	0.0031	0.0006	5.1913
	-1195.3170	0.0010	-0.0001	0.0008	-0.0659
	-1999.1500	0.0007	-0.0004	0.0005	-0.7471
========== End of Observation Set ==========					
GROUP: 142700210PT 326					
0514					
0527	2826.8280	0.0006	0.0013	0.0005	2.8095
	-1594.4230	0.0009	-0.0008	0.0007	-1.2036
	-654.8690	0.0006	-0.0007	0.0005	-1.5882
========== End of Observation Set ==========					

R""ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 232700210PT 327					
0523					
0527	3364.2750	0.0008	-0.0018	0.0007	-2.5979
	-399.1070	0.0011	0.0003	0.0009	0.2862
	1344.2800	0.0008	0.0007	0.0006	1.0755
========== End of Observation Set ==========					
GROUP: 080400220PT 328					
0508					
0504	3477.4980	0.0004	0.0014	0.0003	4.4177
	31.8160	0.0008	-0.0008	0.0006	-1.3308
	2021.9640	0.0009	0.0011	0.0007	1.6693
========== End of Observation Set ==========					
GROUP: 080500220PT 329					
0508					
0505	3315.1370	0.0006	0.0009	0.0005	2.1069
	-374.4680	0.0010	-0.0005	0.0008	-0.7086
	1345.0700	0.0011	-0.0006	0.0009	-0.7149
========== End of Observation Set ==========					
GROUP: 083100220PT 330					
0508					
0531	2808.7470	0.0005	-0.0012	0.0004	-3.2234
	-1129.4820	0.0008	-0.0019	0.0006	-3.2507
	4.5950	0.0009	0.0011	0.0007	1.5587
========== End of Observation Set ==========					
GROUP: 040500220PT 331					
0504					
0505	-162.3620	0.0005	0.0005	0.0003	1.6893
	-406.2860	0.0008	0.0023	0.0006	3.8801
	-676.8940	0.0009	-0.0017	0.0006	-2.8280
========== End of Observation Set ==========					
GROUP: 043100220PT 332					
0504					
0531	-668.7510	0.0005	-0.0026	0.0004	-6.1359
	-1161.2960	0.0010	-0.0031	0.0008	-4.0229
	-2017.3710	0.0010	0.0020	0.0008	2.3490
========== End of Observation Set ==========					
GROUP: 053100220PT 333					
0505					

R[illegible]:

531	-506.3940	0.0006	0.0019	0.0005	3.9399
	-755.0180	0.0010	0.0027	0.0008	3.5727
	-1340.4700	0.0011	-0.0033	0.0009	-3.7898

End of Observation Set

GROUP: 312900230PT 334

531					
529	-770.9090	0.0004	-0.0017	0.0003	-6.2554
	-198.8610	0.0011	0.0008	0.0008	0.9753
	-710.2240	0.0005	0.0003	0.0003	0.9531

End of Observation Set

GROUP: 313000230PT 335

531					
0530	-183.5260	0.0005	-0.0005	0.0004	-1.3475
	-892.7260	0.0013	-0.0037	0.0010	-3.7319
	-1320.5180	0.0005	0.0009	0.0004	2.2676

End of Observation Set

GROUP: 293000230PT 336

0529					
0530	587.3830	0.0005	0.0012	0.0003	3.5996
	-693.8660	0.0013	-0.0035	0.0009	-3.9134
	-610.2930	0.0005	-0.0004	0.0003	-1.1608

End of Observation Set

GROUP: 222500240PT 337

0522					
0525	3176.1210	0.0013	0.0119	0.0009	12.6030
	-788.0970	0.0018	0.0147	0.0013	11.1014
	715.4060	0.0009	-0.0046	0.0007	-7.0701

End of Observation Set

GROUP: 252600240PT 338

0525					
0526	176.8370	0.0010	0.0066	0.0005	12.6350
	420.6630	0.0013	0.0080	0.0007	11.2361
	669.7760	0.0007	-0.0026	0.0004	-7.0703

End of Observation Set

GROUP: 131400310PT 339

RF ID:

0513
0514

-164.7860	0.0005	0.0044	0.0004	11.4070
-409.4850	0.0008	-0.0050	0.0006	-8.5733
-672.3220	0.0008	0.0015	0.0006	2.5379

End of Observation Set

GROUP: 131500310PT 340
0513
0515

-1659.1300	0.0005	0.0015	0.0004	4.0889
186.5860	0.0008	-0.0009	0.0006	-1.5923
-681.4690	0.0008	0.0009	0.0006	1.6094

End of Observation Set

GROUP: 131600310PT 341
0513
0516

-3482.5120	0.0006	0.0009	0.0005	1.9670
-38.9260	0.0009	0.0017	0.0007	2.2898
-2035.2690	0.0009	-0.0020	0.0007	-2.7217

End of Observation Set

GROUP: 141500310PT 342
0514
0516

-1494.3440	0.0005	-0.0029	0.0004	-7.4575
596.0720	0.0008	0.0030	0.0006	5.2355
-9.1460	0.0008	-0.0016	0.0006	-2.7466

End of Observation Set

GROUP: 141600310PT 343
0514
0516

-3317.7260	0.0006	-0.0034	0.0005	-7.0517
370.5600	0.0009	0.0057	0.0008	7.3943
-1362.9470	0.0009	-0.0035	0.0008	-4.5719

End of Observation Set

GROUP: 151600310PT 344
0515
0516

-1823.3810	0.0006	-0.0016	0.0004	-3.6849
-225.5120	0.0009	0.0026	0.0007	3.9994
-1353.8020	0.0009	-0.0009	0.0007	-1.3003

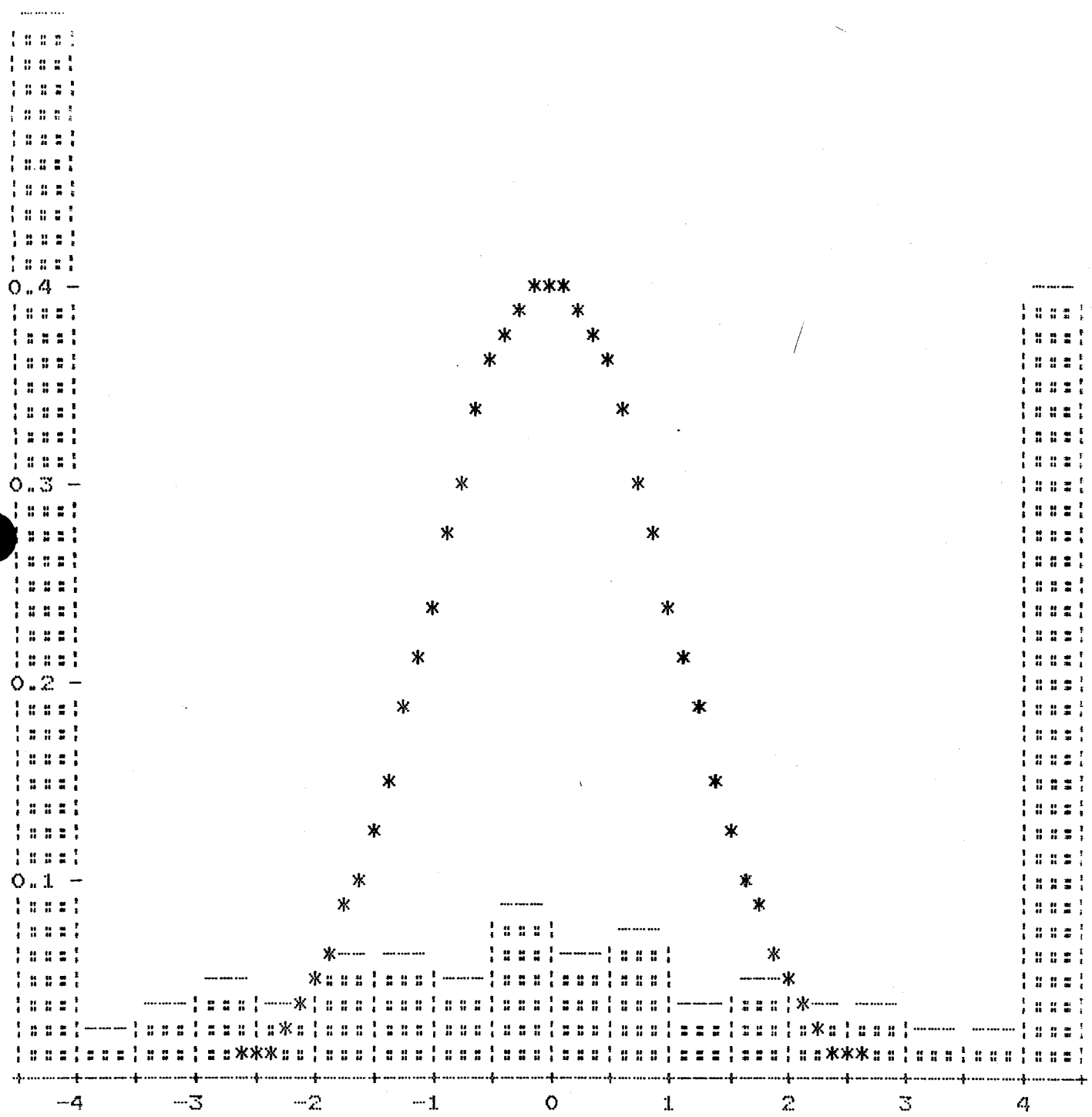
End of Observation Set

REF:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
GROUP: 130400320PT 345					
0513					
0504	9465.5370	0.0012	-0.0037	0.0012	-3.1851
	-2351.3010	0.0027	0.0142	0.0026	5.4340
	2038.7520	0.0018	-0.0084	0.0017	-4.9437
========== End of Observation Set ==========					
GROUP: 130700320PT 346					
0513					
0507	6314.3650	0.0009	-0.0026	0.0007	-3.5703
	-1561.6500	0.0018	0.0037	0.0015	2.4669
	1360.7740	0.0013	-0.0017	0.0010	-1.6846
========== End of Observation Set ==========					
GROUP: 131100320PT 347					
0513					
0511	2035.1650	0.0006	-0.0016	0.0003	-4.7825
	-524.2930	0.0012	0.0044	0.0007	5.9898
	411.0440	0.0008	-0.0021	0.0005	-4.3939
========== End of Observation Set ==========					
GROUP: 040700320PT 348					
0504					
0507	-3151.1740	0.0008	0.0031	0.0006	5.4726
	789.6470	0.0017	-0.0065	0.0013	-5.1588
	-677.9740	0.0011	0.0026	0.0008	3.3238
========== End of Observation Set ==========					
GROUP: 041100320PT 349					
0504					
0511	-7430.3730	0.0010	0.0031	0.0009	3.4778
	1827.0080	0.0023	-0.0098	0.0020	-4.8499
	-1627.7070	0.0015	0.0053	0.0013	4.0634
========== End of Observation Set ==========					
GROUP: 071100320PT 350					
0507					
0511	-4279.2000	0.0007	0.0011	0.0004	2.4306

F ID:

STATION	3-D COORD DIFFS	STD.DEV.	RESIDUAL	STD.DEV.	STAN.RES.
	1037.3600	0.0014	-0.0023	0.0009	-2.6158
	-949.7310	0.0009	0.0007	0.0006	1.1140
		End of Observation Set			
GROUP: 040100330PT 351					
0504					
0501	3153.5380	0.0006	0.0000	0.0005	0.0867
	-774.9190	0.0010	0.0007	0.0007	0.9970
	670.1390	0.0012	0.0025	0.0010	2.5078
		End of Observation Set			
GROUP: 040200330PT 352					
0504					
0502	1570.5150	0.0004	0.0007	0.0003	2.4390
	-127.4720	0.0007	0.0009	0.0004	2.0759
	750.0090	0.0009	-0.0003	0.0005	-0.4665
		End of Observation Set			
GROUP: 043300330PT 353					
0504					
0533	2779.2640	0.0007	0.0015	0.0006	2.6399
	-1603.9850	0.0012	0.0023	0.0010	2.3076
	-666.1560	0.0014	-0.0013	0.0012	-1.0712
		End of Observation Set			
GROUP: 010200330PT 354					
0501					
0502	-1583.0220	0.0005	-0.0004	0.0004	-1.0397
	647.4480	0.0008	-0.0009	0.0006	-1.5972
	79.8670	0.0010	0.0003	0.0007	0.3943
		End of Observation Set			
GROUP: 013300330PT 355					
0501					
0533	-374.2730	0.0005	0.0005	0.0004	1.2667
	-829.0660	0.0009	0.0015	0.0006	2.5458
	-1336.3000	0.0010	0.0012	0.0007	1.6298
		End of Observation Set			
GROUP: 023300330PT 356					
0502					
0533	1208.7490	0.0006	0.0008	0.0005	1.6192
	-1476.5120	0.0011	0.0004	0.0009	0.4696
	-1416.1660	0.0013	-0.0001	0.0011	-0.0538
		End of Observation Set			



Histogram of All (1115) Standardized Residuals.

RF ID:

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	4.2169
Convergence Criterion	0.001000
Final Iteration Counter Value	3
Confidence Level Used	95.0000
Number of Flagged Residuals	510
Estimated Variance Factor	149.4308
Number of Degrees of Freedom	707

Chi-Square Test on the Variance Factor:

1.3500e+002 < 1.0000 < 1.6632e+002 ?

!!!!!!!!!!!!!!!!!!!!!!!! THE TEST FAILS !!!!!!!!!!!!!!!!!!!!!!!!

RESID successfully completed.

SE:

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

Variance factor used	=	149.43082
Estimated variance factor	=	149.43082
1-D expansion factor	=	1.960
2-D expansion factor	=	2.448
3-D expansion factor	=	2.795

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.

Error ellipses for which all covariance matrix elements were not computed by INVERT, are marked with an asterisk (*).

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

E. .PSE:

2-D AND 1-D STATION CONFIDENCE REGIONS (95.000 %):

IDENT.	MAJOR SEMI-AXIS	MINOR SEMI-AXIS	AZ(MAJ)	VERTICAL
0001	0.0246	0.0218	164.88	0.0579
0015	0.0263	0.0225	30.04	0.0594
0007	0.0292	0.0285	104.14	0.1227
0009	0.0297	0.0292	115.02	0.1301
0019	0.0212	0.0184	141.97	0.0526
0021	0.0170	0.0142	152.08	0.0382
0005	0.0253	0.0233	13.93	0.0753
0301	0.0211	0.0174	142.12	0.0462
0513	0.0219	0.0186	139.53	0.0482
0705	0.0220	0.0167	147.40	0.0423
0326	0.0185	0.0139	150.51	0.0353
0711	0.0197	0.0146	141.93	0.0421
0192	0.0212	0.0167	151.96	0.0399
0129	0.0285	0.0233	4.32	0.0611
0141	0.0342	0.0274	173.45	0.0689
0161	0.0274	0.0223	164.23	0.0552
0172	0.0319	0.0219	143.40	0.0538
0148	0.0290	0.0239	2.63	0.0622
0150	0.0288	0.0237	2.38	0.0616
0[illegible]3	0.0286	0.0232	3.80	0.0605
0136	0.0333	0.0268	176.57	0.0663
0137	0.0328	0.0268	177.39	0.0671
0140	0.0340	0.0273	174.52	0.0685
0132	0.0307	0.0254	169.42	0.0633
0133	0.0334	0.0254	171.51	0.0650
0123	0.0313	0.0262	165.09	0.0632
0124	0.0299	0.0253	169.96	0.0627
0142	0.0336	0.0274	174.85	0.0686
0119	0.0275	0.0194	147.97	0.0486
0164	0.0262	0.0209	170.33	0.0519
0116	0.0240	0.0189	156.41	0.0454
0120	0.0255	0.0191	156.20	0.0468
0160	0.0274	0.0226	168.31	0.0559
0125	0.0299	0.0222	167.03	0.0559
0126	0.0278	0.0218	169.55	0.0543
0151	0.0317	0.0264	158.20	0.0657
0152	0.0301	0.0247	174.96	0.0635
0144	0.0359	0.0293	163.89	0.0750
0162	0.0294	0.0238	164.85	0.0576
0163	0.0288	0.0226	157.85	0.0553
0145	0.0366	0.0297	161.49	0.0767
0107	0.0214	0.0163	155.90	0.0392
0113	0.0238	0.0193	156.36	0.0457
0146	0.0340	0.0278	175.83	0.0700

PHASE:

2-D AND 1-D STATION CONFIDENCE REGIONS (95.000 %):

IDENT.	MAJOR SEMI-AXIS	MINOR SEMI-AXIS	AZ(MAJ)	VERTICAL
0112	0.0228	0.0179	154.62	0.0427
0111	0.0227	0.0174	155.04	0.0420
0115	0.0248	0.0181	155.65	0.0441
0117	0.0278	0.0193	146.49	0.0483
0169	0.0317	0.0251	176.04	0.0591
0173	0.0270	0.0198	158.81	0.0487
0108	0.0221	0.0174	153.38	0.0415
0147	0.0344	0.0284	5.32	0.0718
0702	0.0189	0.0159	134.69	0.0411
0902	0.0217	0.0172	146.83	0.0452
0178	0.0258	0.0191	162.30	0.0467
0176	0.0274	0.0193	160.29	0.0483
0519	0.0246	0.0215	137.25	0.0526
0342	0.0213	0.0171	141.24	0.0445
0903	0.0214	0.0168	146.53	0.0442
0168	0.0358	0.0232	137.99	0.0584
0134	0.0353	0.0277	3.18	0.0672
0526	0.0252	0.0215	169.51	0.0550
[illegible]	0.0230	0.0188	139.05	0.0522
[illegible]	0.0228	0.0182	149.49	0.0437
0104	0.0229	0.0183	149.66	0.0437
0193	0.0232	0.0186	148.63	0.0445
0522	0.0232	0.0210	139.38	0.0509
0180	0.0233	0.0165	157.08	0.0403
0181	0.0230	0.0164	156.65	0.0397
0184	0.0227	0.0163	156.59	0.0394
0191	0.0201	0.0155	154.61	0.0363
0127	0.0307	0.0261	163.22	0.0637
0130	0.0306	0.0259	164.66	0.0635
0156	0.0349	0.0259	10.28	0.0713
0523	0.0213	0.0179	140.01	0.0471
0517	0.0233	0.0196	139.26	0.0488
0344	0.0262	0.0225	139.88	0.0578
0185	0.0241	0.0180	0.92	0.0468
0318	0.0207	0.0164	146.39	0.0384
0320	0.0215	0.0172	145.29	0.0407
0322	0.0210	0.0167	145.78	0.0392
0317	0.0190	0.0145	149.89	0.0331
0190	0.0200	0.0153	154.93	0.0360
0321	0.0210	0.0155	154.75	0.0366
0328	0.0185	0.0141	150.46	0.0345
0327	0.0190	0.0142	148.47	0.0366
0330	0.0191	0.0143	147.99	0.0372
0331	0.0179	0.0136	149.79	0.0340

E. .PSE:

2-D AND 1-D STATION CONFIDENCE REGIONS (95.000 %):

IDENT.	MAJOR SEMI-AXIS	MINOR SEMI-AXIS	AZ(MAJ)	VERTICAL
0313	0.0200	0.0163	144.97	0.0347
0312	0.0174	0.0130	146.53	0.0293
0315	0.0221	0.0172	144.15	0.0370
0308	0.0208	0.0164	126.49	0.0433
0803	0.0180	0.0154	139.69	0.0376
0309	0.0180	0.0154	141.14	0.0376
0310	0.0182	0.0156	140.08	0.0380
0336	0.0171	0.0140	145.22	0.0360
0334	0.0168	0.0132	146.25	0.0347
0801	0.0181	0.0154	145.96	0.0385
0802	0.0180	0.0152	146.21	0.0381
0332	0.0205	0.0149	146.40	0.0390
0187	0.0212	0.0163	159.12	0.0396
0189	0.0233	0.0168	146.24	0.0396
0325	0.0235	0.0168	145.10	0.0398
0186	0.0270	0.0185	7.13	0.0527
0339	0.0176	0.0148	141.82	0.0377
0340	0.0193	0.0160	127.04	0.0414
0804	0.0177	0.0148	143.04	0.0377
0[illegible]3	0.0173	0.0141	144.61	0.0368
0707	0.0204	0.0151	141.17	0.0396
0708	0.0191	0.0142	142.53	0.0391
0703	0.0214	0.0162	143.68	0.0416
0704	0.0227	0.0174	145.58	0.0434
0712	0.0194	0.0145	142.44	0.0412
0520	0.0273	0.0251	126.69	0.0560
0901	0.0251	0.0214	142.61	0.0541
0306	0.0201	0.0163	137.89	0.0431
0307	0.0232	0.0170	132.10	0.0483
0303	0.0209	0.0172	141.60	0.0455
0302	0.0206	0.0168	143.69	0.0446
0516	0.0209	0.0173	141.72	0.0463
0304	0.0224	0.0172	148.57	0.0454
0508	0.0213	0.0179	140.50	0.0481
0514	0.0213	0.0179	140.25	0.0474
0527	0.0220	0.0189	140.27	0.0492
0504	0.0221	0.0182	142.34	0.0497
0505	0.0237	0.0188	146.47	0.0515
0531	0.0221	0.0183	141.16	0.0500
0530	0.0249	0.0187	133.58	0.0524
0525	0.0280	0.0243	4.85	0.0602
0515	0.0226	0.0192	138.48	0.0486
0507	0.0248	0.0210	138.77	0.0553
0511	0.0243	0.0205	138.22	0.0541

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

[illegible]SE:

2-D AND 1-D STATION CONFIDENCE REGIONS (95.000 %):

[illegible]DENT.	MAJOR SEMI-AXIS	MINOR SEMI-AXIS	AZ(MAJ)	VERTICAL
[illegible]0501	0.0256	0.0195	148.75	0.0531
[illegible]502	0.0251	0.0193	148.76	0.0526
[illegible]533	0.0235	0.0187	139.15	0.0516
0532	0.0289	0.0196	131.63	0.0561

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER SPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

ELLIPSE:

2-D AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

FROM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
0001	0009	0.0381	0.0364	154.73	0.1297	16703.3325	2.282 PPM
0001	0711	0.0295	0.0240	156.43	0.0639	21838.4441	1.349 PPM
0001	0005	0.0343	0.0307	0.45	0.0850	40676.2600	0.842 PPM
0001	0015	0.0351	0.0319	11.87	0.0783	32543.7431	1.077 PPM
0001	0161	0.0351	0.0287	167.38	0.0699	28836.0239	1.218 PPM
0001	0007	0.0375	0.0360	153.07	0.1253	53147.4818	0.706 PPM
0001	0326	0.0277	0.0217	167.20	0.0545	9645.9907	2.872 PPM
0001	0013	0.0246	0.0218	164.88	0.0579	22356.1625	1.102 PPM
0001	0129	0.0361	0.0297	179.33	0.0742	37893.2758	0.953 PPM
0001	0021	0.0286	0.0242	160.56	0.0621	31693.9262	0.903 PPM
0013	0009	0.0297	0.0292	115.02	0.1301	26119.7738	1.136 PPM
0013	0313	0.0200	0.0163	144.97	0.0347	4093.5959	4.886 PPM
0013	0308	0.0208	0.0164	126.49	0.0433	7862.4233	2.652 PPM
0013	0803	0.0180	0.0154	139.69	0.0376	6243.2110	2.887 PPM
0013	0312	0.0174	0.0130	146.53	0.0293	4015.3647	4.344 PPM
0013	0015	0.0263	0.0225	30.04	0.0594	11225.8809	2.346 PPM
0013	0007	0.0292	0.0285	104.14	0.1227	73309.9062	0.399 PPM
0013	0326	0.0185	0.0139	150.51	0.0353	14254.4495	1.298 PPM
0013	0192	0.0212	0.0167	151.96	0.0399	18183.2369	1.165 PPM
0013	0021	0.0170	0.0142	152.08	0.0382	12977.5669	1.312 PPM
0015	0705	0.0324	0.0297	174.80	0.0691	20831.5743	1.555 PPM
0015	0301	0.0318	0.0300	4.11	0.0708	15523.0208	2.047 PPM
0015	0513	0.0323	0.0307	5.31	0.0719	19367.2032	1.666 PPM
0015	0019	0.0321	0.0303	11.59	0.0744	26276.9925	1.220 PPM
0015	0021	0.0301	0.0274	16.29	0.0667	16373.9779	1.838 PPM
0007	0009	0.0416	0.0407	109.05	0.1640	49103.2750	0.847 PPM
0007	0141	0.0437	0.0397	171.17	0.1254	19708.9134	2.216 PPM
0007	0172	0.0426	0.0359	139.86	0.1221	38654.7546	1.103 PPM
0007	0005	0.0372	0.0369	21.82	0.1210	17854.9431	2.086 PPM
0007	0161	0.0391	0.0363	157.98	0.1219	27093.3680	1.443 PPM
0007	0129	0.0396	0.0371	3.99	0.1221	16986.8924	2.330 PPM
0019	0532	0.0226	0.0097	129.43	0.0313	7082.4435	3.191 PPM
0019	0526	0.0202	0.0142	177.21	0.0360	3438.9789	5.887 PPM
0019	0529	0.0143	0.0095	142.52	0.0268	2715.6273	5.256 PPM
0019	0530	0.0177	0.0089	131.42	0.0265	3181.7085	5.558 PPM
0019	0705	0.0250	0.0183	143.00	0.0447	24096.8027	1.037 PPM
0019	0533	0.0169	0.0090	133.08	0.0262	7417.4271	2.280 PPM
0019	0301	0.0183	0.0140	142.87	0.0340	13144.9243	1.393 PPM
0019	0513	0.0174	0.0127	143.84	0.0304	6913.4674	2.513 PPM
0019	0021	0.0223	0.0176	140.52	0.0432	21406.9312	1.040 PPM
0021	0711	0.0179	0.0118	136.04	0.0329	11236.6425	1.590 PPM
0021	0705	0.0182	0.0124	145.00	0.0261	4830.0631	3.763 PPM
0021	0301	0.0199	0.0150	138.43	0.0348	9064.6287	2.200 PPM
0021	0805	0.0140	0.0088	135.25	0.0192	2754.6406	5.098 PPM

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

LLIPSE:

AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

FROM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
129	0150	0.0087	0.0073	131.60	0.0192	5136.6719	1.694 PPM
0129	0148	0.0088	0.0077	136.72	0.0190	7773.8774	1.129 PPM
0141	0140	0.0134	0.0063	160.89	0.0167	1830.4502	7.345 PPM
141	0142	0.0150	0.0072	160.09	0.0191	1836.2655	8.150 PPM
141	0137	0.0136	0.0065	160.38	0.0172	4208.5865	3.242 PPM
0161	0162	0.0145	0.0102	18.40	0.0253	1213.3405	11.959 PPM
161	0160	0.0114	0.0108	54.16	0.0261	2248.4636	5.082 PPM
161	0163	0.0143	0.0104	15.46	0.0248	2225.2878	6.427 PPM
0161	0164	0.0117	0.0116	69.83	0.0263	3213.3878	3.655 PPM
172	0168	0.0286	0.0107	127.47	0.0357	4895.3203	5.841 PPM
172	0163	0.0259	0.0138	130.44	0.0368	11313.5170	2.290 PPM
0172	0173	0.0195	0.0072	127.32	0.0245	803.3815	24.255 PPM
148	0147	0.0198	0.0161	11.00	0.0378	2915.7852	6.796 PPM
148	0153	0.0084	0.0075	131.42	0.0184	5673.7836	1.480 PPM
0148	0150	0.0088	0.0075	128.47	0.0194	2666.4961	3.304 PPM
148	0146	0.0198	0.0154	167.01	0.0351	5090.7005	3.895 PPM
148	0137	0.0181	0.0139	166.38	0.0302	5935.3909	3.056 PPM
150	0151	0.0183	0.0067	128.25	0.0258	1794.3251	10.223 PPM
150	0152	0.0162	0.0073	129.68	0.0244	3399.4291	4.758 PPM
[illegible]	0153	0.0081	0.0069	129.70	0.0179	3017.7383	2.688 PPM
[illegible]3	0126	0.0204	0.0140	13.11	0.0370	4853.8884	4.194 PPM
0153	0164	0.0196	0.0138	15.03	0.0367	9901.5677	1.983 PPM
136	0134	0.0169	0.0074	31.44	0.0186	1746.2486	9.678 PPM
136	0133	0.0156	0.0078	29.12	0.0192	2675.3175	5.846 PPM
0136	0137	0.0116	0.0106	149.24	0.0243	2539.3746	4.579 PPM
137	0140	0.0119	0.0057	161.15	0.0151	2584.8533	4.600 PPM
137	0147	0.0198	0.0163	0.46	0.0374	5066.2480	3.918 PPM
0137	0146	0.0171	0.0107	151.49	0.0282	6787.9404	2.514 PPM
0137	0142	0.0133	0.0070	158.91	0.0176	4989.2344	2.658 PPM
140	0142	0.0138	0.0067	160.31	0.0175	2435.3333	5.650 PPM
132	0133	0.0225	0.0080	155.67	0.0213	1613.8877	13.924 PPM
0132	0127	0.0179	0.0081	130.26	0.0222	8730.5257	2.047 PPM
132	0130	0.0168	0.0076	130.20	0.0208	2987.7494	5.626 PPM
132	0124	0.0163	0.0076	131.37	0.0205	10501.4290	1.556 PPM
0133	0134	0.0178	0.0080	31.63	0.0199	1330.8212	13.399 PPM
0123	0124	0.0210	0.0106	132.54	0.0349	1833.9353	11.445 PPM
123	0119	0.0275	0.0227	165.82	0.0500	7279.3821	3.784 PPM
0123	0164	0.0230	0.0191	166.79	0.0425	3980.7358	5.774 PPM
0124	0127	0.0146	0.0061	127.49	0.0180	1774.8245	8.231 PPM
0124	0130	0.0151	0.0063	127.53	0.0186	7616.0416	1.977 PPM
0142	0144	0.0178	0.0089	133.21	0.0356	2396.2040	7.418 PPM
0142	0145	0.0194	0.0097	133.37	0.0392	2835.0367	6.853 PPM
0142	0146	0.0138	0.0085	133.87	0.0278	2511.9880	5.487 PPM
0119	0117	0.0167	0.0066	129.39	0.0245	2540.7609	6.581 PPM

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UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

E[illegible].PSE:

2-D AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

FROM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
0119	0115	0.0164	0.0071	129.81	0.0245	5841.4206	2.800 PPM
0119	0120	0.0195	0.0107	135.42	0.0292	1132.9420	17.237 PPM
0119	0164	0.0217	0.0169	157.65	0.0373	5167.0028	4.204 PPM
0164	0125	0.0160	0.0080	160.84	0.0220	4821.3662	3.324 PPM
0164	0169	0.0232	0.0179	12.25	0.0401	8066.7634	2.880 PPM
0164	0126	0.0126	0.0075	160.82	0.0182	5076.0661	2.486 PPM
0164	0160	0.0109	0.0107	7.40	0.0245	5054.8130	2.152 PPM
0164	0120	0.0190	0.0142	4.38	0.0346	4038.8351	4.711 PPM
0164	0173	0.0182	0.0146	168.19	0.0312	12862.9967	1.418 PPM
0116	0113	0.0102	0.0095	141.93	0.0216	4024.3352	2.530 PPM
0116	0120	0.0165	0.0093	158.18	0.0228	4858.5580	3.398 PPM
0116	0107	0.0119	0.0102	148.44	0.0234	9105.2344	1.304 PPM
0120	0117	0.0205	0.0105	133.70	0.0302	3605.5662	5.684 PPM
0120	0126	0.0213	0.0157	178.95	0.0378	8996.5361	2.369 PPM
0120	0115	0.0168	0.0101	137.47	0.0261	6871.7004	2.440 PPM
0160	0156	0.0256	0.0125	21.13	0.0484	3310.0837	7.733 PPM
0160	0152	0.0212	0.0134	16.25	0.0416	6436.3585	3.287 PPM
0125	0126	0.0147	0.0071	160.96	0.0199	1578.7386	9.312 PPM
0151	0152	0.0200	0.0075	128.26	0.0278	1605.1119	12.468 P[illegible]
0[illegible]	0156	0.0259	0.0125	21.08	0.0493	3317.1769	7.816 [illegible]
0144	0145	0.0164	0.0077	133.32	0.0328	777.5774	21.064 PPM
0144	0146	0.0168	0.0081	133.17	0.0333	1926.6272	8.714 PPM
0162	0163	0.0131	0.0089	19.45	0.0225	1012.2138	12.946 PPM
0163	0168	0.0285	0.0124	128.36	0.0372	6451.6428	4.418 PPM
0145	0146	0.0184	0.0089	133.35	0.0368	1506.3759	12.193 PPM
0107	0113	0.0112	0.0107	145.78	0.0240	5326.9925	2.108 PPM
0107	0176	0.0201	0.0111	160.56	0.0310	3297.5025	6.090 PPM
0107	0112	0.0093	0.0080	149.97	0.0188	4838.3927	1.920 PPM
0107	0178	0.0185	0.0109	162.40	0.0296	3223.9989	5.751 PPM
0107	0180	0.0139	0.0070	160.46	0.0196	4939.4031	2.824 PPM
0107	0181	0.0131	0.0066	159.92	0.0180	4797.2461	2.725 PPM
0107	0184	0.0128	0.0065	159.94	0.0178	9632.3648	1.331 PPM
0107	0111	0.0092	0.0070	154.06	0.0168	4903.3872	1.874 PPM
0107	0115	0.0149	0.0085	156.26	0.0216	7204.1447	2.065 PPM
0107	0108	0.0090	0.0080	147.48	0.0188	2300.9815	3.913 PPM
0107	0173	0.0203	0.0124	157.78	0.0309	6260.3420	3.250 PPM
0107	0191	0.0117	0.0068	160.24	0.0177	14390.6534	0.813 PPM
0113	0112	0.0140	0.0127	147.33	0.0291	2414.8902	5.784 PPM
0146	0147	0.0188	0.0153	9.86	0.0362	2455.7097	7.640 PPM
0112	0111	0.0079	0.0072	147.21	0.0166	767.6014	10.248 PPM
0112	0108	0.0102	0.0092	143.94	0.0213	3603.8858	2.828 PPM
0111	0115	0.0145	0.0076	158.47	0.0201	2485.4755	5.850 PPM
0111	0108	0.0103	0.0089	149.63	0.0208	3332.2965	3.086 PPM
0115	0117	0.0152	0.0058	129.17	0.0222	3306.1785	4.611 PPM

[illegible]SE:

2-D AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

ROM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
0180	0191	0.0132	0.0065	160.59	0.0186	9682.3016	1.368 PPM
181	0184	0.0114	0.0054	159.99	0.0151	4836.6366	2.355 PPM
181	0191	0.0127	0.0063	160.00	0.0174	9594.0708	1.325 PPM
0184	0191	0.0121	0.0060	160.16	0.0165	4758.5574	2.546 PPM
191	0321	0.0136	0.0087	162.52	0.0200	4854.9059	2.791 PPM
191	0190	0.0118	0.0081	163.63	0.0180	1652.0698	7.122 PPM
191	0328	0.0125	0.0087	162.14	0.0194	8061.3003	1.547 PPM
0191	0317	0.0117	0.0088	164.02	0.0192	10121.6502	1.160 PPM
127	0130	0.0161	0.0067	127.38	0.0198	5866.2021	2.739 PPM
523	0517	0.0139	0.0119	131.13	0.0229	3182.5547	4.375 PPM
0523	0527	0.0092	0.0087	62.54	0.0192	3644.8197	2.514 PPM
523	0508	0.0079	0.0074	62.91	0.0168	7252.0341	1.085 PPM
523	0514	0.0078	0.0075	92.31	0.0161	2390.4458	3.265 PPM
0523	0303	0.0113	0.0096	126.24	0.0192	8457.5014	1.341 PPM
0517	0303	0.0131	0.0113	124.27	0.0219	5473.0975	2.397 PPM
344	0901	0.0168	0.0155	146.60	0.0385	2547.3104	6.590 PPM
185	0186	0.0206	0.0067	19.70	0.0397	1594.5916	12.943 PPM
0185	0187	0.0172	0.0058	19.04	0.0333	1759.8598	9.749 PPM
[illegible]	0190	0.0180	0.0077	19.59	0.0342	4845.7782	3.707 PPM
[illegible]8	0320	0.0115	0.0096	121.05	0.0251	3332.8781	3.436 PPM
0318	0322	0.0108	0.0090	119.57	0.0232	4987.1520	2.159 PPM
0318	0317	0.0090	0.0077	119.79	0.0197	1774.3493	5.089 PPM
320	0322	0.0112	0.0093	121.47	0.0241	1718.8349	6.528 PPM
0320	0317	0.0111	0.0094	124.19	0.0241	5078.9043	2.179 PPM
0322	0317	0.0101	0.0085	123.39	0.0215	6754.0398	1.490 PPM
317	0315	0.0168	0.0125	137.45	0.0258	3236.3869	5.181 PPM
317	0321	0.0134	0.0088	161.22	0.0200	5789.9862	2.317 PPM
0317	0313	0.0163	0.0140	138.65	0.0288	6493.8525	2.511 PPM
317	0312	0.0147	0.0101	142.00	0.0228	8106.3465	1.810 PPM
317	0190	0.0124	0.0088	161.60	0.0194	10765.1063	1.152 PPM
0317	0328	0.0116	0.0081	157.47	0.0184	3688.1608	3.147 PPM
0190	0186	0.0217	0.0081	19.41	0.0417	3287.2061	6.588 PPM
190	0321	0.0128	0.0082	161.50	0.0187	5098.7653	2.505 PPM
0190	0187	0.0135	0.0076	15.95	0.0265	3577.3100	3.767 PPM
0190	0328	0.0112	0.0081	161.39	0.0176	8205.6833	1.370 PPM
321	0328	0.0128	0.0082	160.94	0.0187	3206.5201	3.982 PPM
328	0327	0.0097	0.0059	135.14	0.0213	796.7074	12.137 PPM
0328	0330	0.0100	0.0061	134.71	0.0226	3217.5602	3.110 PPM
328	0331	0.0097	0.0060	134.67	0.0214	4894.2029	1.974 PPM
327	0330	0.0093	0.0055	133.96	0.0213	3326.9106	2.796 PPM
0327	0331	0.0091	0.0054	133.88	0.0210	5098.2647	1.790 PPM
0330	0331	0.0092	0.0055	133.76	0.0215	1800.1009	5.108 PPM
331	0332	0.0131	0.0082	142.53	0.0248	779.0698	16.865 PPM
331	0312	0.0135	0.0087	141.79	0.0247	5728.8244	2.348 PPM

GREINER

UNSCALED, #8 CONSTRAINED NAD-27 ADJUSTMENT - SALT RIVER GPS - 1991

A= 6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

E IPSE:

2-D AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

FROM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
0331	0334	0.0130	0.0082	137.85	0.0280	4872.3978	2.658 PPM
0313	0315	0.0174	0.0154	134.76	0.0312	3284.8804	5.304 PPM
0313	0312	0.0165	0.0135	137.35	0.0278	1618.6640	10.163 PPM
0312	0315	0.0176	0.0131	138.24	0.0274	4884.2676	3.606 PPM
0312	0332	0.0164	0.0103	141.56	0.0309	5363.2191	3.049 PPM
0312	0334	0.0134	0.0086	137.65	0.0285	2373.2585	5.628 PPM
0308	0307	0.0175	0.0078	131.19	0.0327	1190.8123	14.710 PPM
0308	0803	0.0146	0.0096	97.39	0.0277	1771.0126	8.230 PPM
0308	0340	0.0143	0.0072	127.01	0.0264	3535.2836	4.046 PPM
0308	0306	0.0159	0.0076	129.86	0.0287	3163.2870	5.011 PPM
0803	0309	0.0070	0.0058	78.15	0.0116	804.7771	8.698 PPM
0803	0310	0.0078	0.0066	82.91	0.0133	1609.4077	4.877 PPM
0803	0336	0.0074	0.0062	81.41	0.0126	3311.7088	2.246 PPM
0309	0310	0.0075	0.0063	83.35	0.0129	804.6307	9.340 PPM
0309	0336	0.0069	0.0058	80.15	0.0118	2507.1905	2.758 PPM
0310	0336	0.0076	0.0063	83.69	0.0130	1703.0627	4.433 PPM
0336	0801	0.0093	0.0088	64.40	0.0203	4051.9271	2.292 PPM
0336	0802	0.0088	0.0085	63.45	0.0188	2420.9918	3.636 PPM
0336	0804	0.0071	0.0062	90.86	0.0139	3600.9136	1.969 PPM
0336	0339	0.0076	0.0065	89.63	0.0146	4873.4776	1.568 [illegible]
0336	0805	0.0065	0.0057	98.45	0.0126	3310.6626	1.961 PPM
0336	0334	0.0086	0.0080	132.86	0.0182	4855.5587	1.769 PPM
0334	0801	0.0092	0.0087	59.03	0.0198	803.6339	11.460 PPM
0334	0802	0.0091	0.0088	57.77	0.0193	2434.5930	3.720 PPM
0334	0332	0.0157	0.0098	138.86	0.0327	4835.4850	3.239 PPM
0334	0712	0.0106	0.0066	135.43	0.0238	3216.8944	3.301 PPM
0334	0708	0.0121	0.0077	135.96	0.0235	7182.4914	1.678 PPM
0801	0802	0.0091	0.0085	55.16	0.0192	1630.9600	5.593 PPM
0187	0189	0.0156	0.0098	141.29	0.0201	4448.0277	3.496 PPM
0187	0325	0.0166	0.0109	141.27	0.0224	8061.8170	2.055 PPM
0187	0186	0.0212	0.0069	19.12	0.0412	773.8736	27.393 PPM
0189	0325	0.0161	0.0093	135.91	0.0192	3720.5324	4.338 PPM
0339	0804	0.0078	0.0067	87.56	0.0150	1835.0704	4.252 PPM
0339	0340	0.0119	0.0072	94.99	0.0207	850.3473	14.033 PPM
0339	0805	0.0073	0.0063	89.19	0.0137	1611.1188	4.545 PPM
0340	0307	0.0158	0.0073	131.90	0.0298	3308.0138	4.778 PPM
0340	0306	0.0135	0.0068	129.21	0.0236	2462.7501	5.472 PPM
0804	0805	0.0067	0.0059	90.10	0.0131	809.8742	8.303 PPM
0805	0707	0.0153	0.0091	133.50	0.0204	4431.3182	3.451 PPM
0805	0708	0.0135	0.0088	133.59	0.0212	4367.6513	3.100 PPM
0707	0704	0.0127	0.0101	160.31	0.0211	5032.0794	2.523 PPM
0707	0703	0.0113	0.0088	158.72	0.0184	5082.5214	2.218 PPM
0707	0708	0.0158	0.0090	134.03	0.0208	1395.5214	11.326 PPM
0708	0712	0.0133	0.0083	136.85	0.0279	6561.6970	2.024 PPM

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6378206.400 B= 6356583.800 X0= 0.000 Y0= 0.000 Z0= 0.000

E SE:

-D AND 1-D RELATIVE STATION CONFIDENCE REGIONS (95.000 %):

RCM	TO	MAJ.SEMI	MIN.SEMI	AZ(MAJ)	VERTICAL	SPATIAL DIST.	PRECISION
0703	0704	0.0109	0.0085	162.94	0.0183	1625.5823	6.734 PPM
306	0307	0.0170	0.0076	132.05	0.0315	2165.5938	7.870 PPM
306	0304	0.0138	0.0070	161.64	0.0181	4835.6583	2.847 PPM
0306	0302	0.0125	0.0069	161.30	0.0171	6484.2956	1.926 PPM
0303	0302	0.0079	0.0067	132.69	0.0165	782.2877	10.137 PPM
303	0516	0.0081	0.0070	124.54	0.0170	5888.3228	1.379 PPM
302	0304	0.0127	0.0064	161.66	0.0166	1787.7320	7.126 PPM
0302	0516	0.0084	0.0071	130.51	0.0179	5462.7709	1.535 PPM
516	0515	0.0115	0.0103	114.79	0.0181	2282.1833	5.042 PPM
516	0514	0.0101	0.0090	120.34	0.0166	3605.8676	2.811 PPM
0508	0527	0.0079	0.0076	53.30	0.0166	3607.2455	2.192 PPM
508	0505	0.0127	0.0068	157.73	0.0206	3597.1625	3.540 PPM
508	0531	0.0109	0.0062	156.36	0.0177	3027.3434	3.613 PPM
0508	0514	0.0068	0.0068	154.53	0.0145	6498.2413	1.051 PPM
0508	0504	0.0100	0.0059	156.81	0.0170	4022.7301	2.498 PPM
514	0527	0.0083	0.0081	57.58	0.0173	3310.8919	2.501 PPM
514	0515	0.0108	0.0097	114.91	0.0170	1608.8697	6.728 PPM
0504	0505	0.0121	0.0064	157.51	0.0197	805.9873	15.020 PPM
	0507	0.0143	0.0124	134.69	0.0307	3318.5924	4.300 PPM
	0511	0.0143	0.0122	135.47	0.0300	7822.8979	1.829 PPM
0504	0501	0.0150	0.0074	159.04	0.0208	3315.7790	4.533 PPM
0504	0502	0.0137	0.0067	159.73	0.0187	1745.0735	7.834 PPM
504	0531	0.0108	0.0061	154.56	0.0178	2421.9052	4.478 PPM
0504	0533	0.0128	0.0072	153.19	0.0192	3277.3225	3.915 PPM
0.0100	0.0059	156.81	0.0170	4022.7301	2.498 PPM		
514	0527	0.0083	0.0081	57.58	0.0173	3310.8919	2.501 PPM
514	0515	0.0108	0.0097	114.91	0.0170	1608.8697	6.728 PPM
0504	0505	0.0121	0.0064	157.51	0.0197	805.9873	15.020 PPM
504	0507	0.0143	0.0124	134.69	0.0307	3318.5924	4.300 PPM
504	0511	0.0143	0.0122	135.47	0.0300	7822.8979	1.829 PPM
0504	0501	0.0150	0.0074	159.04	0.0208	3315.7790	4.533 PPM
0504	0502	0.0137	0.0067	159.73	0.0187	1745.0735	7.834 PPM
504	0531	0.0108	0.0061	154.56	0.0178	2421.9052	4.478 PPM
504	0533	0.0128	0.0072	153.19	0.0192	3277.3225	3.915 PPM
0505	0531	0.0129	0.0069	156.60	0.0210	1619.6758	7.969 PPM
531	0530	0.0159	0.0065	128.66	0.0200	1604.4980	9.933 PPM
530	0532	0.0230	0.0094	128.76	0.0303	4076.8602	5.644 PPM
0530	0533	0.0178	0.0083	130.91	0.0243	4530.8719	3.938 PPM
507	0511	0.0137	0.0119	131.43	0.0296	4504.4025	3.036 PPM
501	0502	0.0151	0.0072	159.72	0.0206	1712.1701	8.840 PPM
0501	0533	0.0149	0.0074	158.71	0.0214	1616.5155	9.196 PPM
0502	0533	0.0151	0.0077	158.34	0.0216	2376.2763	6.362 PPM
533	0532	0.0214	0.0084	128.43	0.0270	685.3522	31.178 PPM

E PSE successfully completed.

2:32 - Saturday, January 18, 1992