

Project name : C:\TSOffice\Projects\LUBBOCK  
Description : CITY NETWORK AND PANEL PT LOCATIONS  
Coordinate System : US State Plane 1983  
Zone : Texas North Central 4202  
Datum : NAD 1983 (Conus)  
Date printed : 2/22/00 9:08:20 AM

----- GPS Calibration

Datum transformation parameters

Rotation about x axis -0°00'02.91892"  
Rotation about y axis 0°00'03.63037"  
Rotation about z axis 0°00'02.74792"  
Translation along x axis 402.908 USft  
Translation along y axis -13.213 USft  
Translation along z axis 391.825 USft  
Scale factor (ppm) -3.368

Horizontal adjustment parameters

Northing coordinate of rotation center 7272181.867 USft  
Easting coordinate of rotation center 937144.500 USft  
Rotation about the center point -0°00'00.00007"  
Translation north 0.006 USft  
Translation east 0.008 USft  
Scale factor 1.00000000

Vertical adjustment parameters

Northing coordinate of origin point 7236716.573 USft  
Easting coordinate of origin point 932086.124 USft  
Vertical separation at origin 5.297 USft  
Slope north -0.00000014  
Slope east 0.00000009

Geoid model GEOID96 (Conus)

Residual differences between GPS and known coordinates

Horizontal

Maximum error 0.071 USft (Point 1266)  
Root mean square error 0.016

Vertical

Maximum error 0.068 USft (Point 003)  
Root mean square error 0.01

Three-dimensional

Maximum error 0.078 USft (Point 003)  
Root mean square error 0.019

Starting point	Calculated point	Grid point
Point 1074 : MON. SHEPARD		Point 814 : SHEPARD
Lat 33°28'33.74875"N	North 7236716.573 USft	North 7236716.612 USft
Long 101°53'58.55426"W	East 932086.124 USft	East 932086.175 USft
Height 3161.149 USft	Elev 3247.220 USft	Elev 3247.197 USft
	Horizontal error 0.064 USft	Type Horz and Vert
	Vertical error 0.023 USft	
	3D error 0.068 USft	

Point 003 : MON.SET IN CONC		Point 803 : LUB003
Lat 33°32'34.99681"N	North 7261358.531 USft	North 7261358.504 USft
Long 101°55'37.43292"W	East 924510.837 USft	East 924510.863 USft
Height 3168.429 USft	Elev 3254.740 USft	Elev 3254.808 USft
	Horizontal error 0.038 USft	Type Horz and Vert
	Vertical error 0.068 USft	
	3D error 0.078 USft	

Point 1000 : USC+GS MON Y905		Point 816 : Y905
Lat 33°34'40.84433"N	North 7275074.250 USft	North 7275074.290 USft
Long 102°01'35.73688"W	East 894629.586 USft	East 894629.529 USft
Height 3231.027 USft	Elev 3316.969 USft	Elev 3316.959 USft
	Horizontal error 0.070 USft	Type Horz and Vert
	Vertical error 0.010 USft	
	3D error 0.071 USft	

Point 1185 : MON.MCCAULEY		Point 811 : McCAULEY
Lat 33°38'04.27408"N	North 7294144.237 USft	North 7294144.237 USft
Long 101°52'43.04608"W	East 940332.159 USft	East 940332.118 USft
Height 3171.303 USft	Elev 3258.533 USft	Elev 3258.525 USft
	Horizontal error 0.041 USft	Type Horz and Vert
	Vertical error 0.008 USft	
	3D error 0.042 USft	

Point 1125 : MON.006		Point 806 : LUB006
Lat 33°34'12.66598"N	North 7270622.749 USft	North 7270622.791 USft
Long 101°51'57.26015"W	East 943451.390 USft	East 943451.408 USft
Height 3118.685 USft	Elev 3205.547 USft	Elev 3205.519 USft
	Horizontal error 0.045 USft	Type Horz and Vert

Vertical error 0.028 USft  
3D error 0.053 USft

Point 1266 : 5/8 IRS M905  
Lat 33°36'11.02185"N  
Long 101°50'16.80338"W  
Height 3086.921 USft

Point 818 : M905  
North 7282308.103 USft North 7282308.032 USft  
East 952326.484 USft East 952326.481 USft  
Elev 3174.158 USft Elev 3174.134 USft  
Horizontal error 0.071 USft Type Horz and Vert  
Vertical error 0.024 USft  
3D error 0.075 USft

Point 008 : MON.SET IN CONC.  
Lat 33°36'44.45436"N  
Long 101°46'17.33533"W  
Height 3102.384 USft

Point 808 : LUB008  
North 7285048.664 USft North 7285048.643 USft  
East 972674.979 USft East 972674.985 USft  
Elev 3190.002 USft Elev 3190.026 USft  
Horizontal error 0.022 USft Type Horz and Vert  
Vertical error 0.024 USft  
3D error 0.033 USft

Project name : C:\T\Office\Projects\LUBBOCK\REV12  
 Description : PROCESS FILE 12 USING GPSURVEY POSITION FOR MON 9 (PT 1275)  
 Coordinate System : US State Plane 1983  
 Zone : Texas North Central 4202  
 Datum : NAD 1983 (Conus)  
 Date printed : 2/21/00 5:31:15 PM

----- GPS Calibration -----

Datum transformation parameters

Rotation about x axis -0°00'03.42940"  
 Rotation about y axis 0°00'03.65634"  
 Rotation about z axis 0°00'02.48231"  
 Translation along x axis 386.397 USft  
 Translation along y axis 37.350 USft  
 Translation along z axis 422.380 USft  
 Scale factor (ppm) -2.326

Horizontal adjustment parameters

Northing coordinate of rotation center 7266801.472 USft  
 Easting coordinate of rotation center 955029.478 USft  
 Rotation about the center point -0°00'00.00007"  
 Translation north 0.005 USft  
 Translation east 0.008 USft  
 Scale factor 1.00000000

Vertical adjustment parameters

Northing coordinate of origin point 7262301.812 USft  
 Easting coordinate of origin point 963697.226 USft  
 Vertical separation at origin 5.405 USft  
 Slope north 0.00000224  
 Slope east 0.00000037

Geoid model GEOID96 (Conus)

Residual differences between GPS and known coordinates

Horizontal  
 Maximum error 0.020 USft (Point 1275)  
 Root mean square error 0.004  
 Vertical  
 Maximum error 0.004 USft (Point 1275)  
 Root mean square error 0.001  
 Three-dimensional  
 Maximum error 0.020 USft (Point 1275)  
 Root mean square error 0.004

Starting point	Calculated point	Grid point
Point 1275 : MON.SET IN CONC.		Point 809 : LUB009
Lat 33°32'56.73487"N	North 7262301.812 USft	North 7262301.799 USft
Long 101°47'55.00544"W	East 963697.226 USft	East 963697.211 USft
Height 3076.594 USft	Elev 3163.792 USft	Elev 3163.796 USft
	Horizontal error 0.020 USft	Type Horz and Vert
	Vertical error 0.004 USft	
	3D error 0.020 USft	
Point 1443 : MON.010		Point 810 : LUB010
Lat 33°30'40.14180"N	North 7249232.674 USft	North 7249232.677 USft
Long 101°52'26.44225"W	East 940294.324 USft	East 940294.339 USft
Height 3133.535 USft	Elev 3220.028 USft	Elev 3220.025 USft
	Horizontal error 0.015 USft	Type Horz and Vert
	Vertical error 0.003 USft	
	3D error 0.016 USft	
Point 1440 : MON.008		Point 808 : LUB008
Lat 33°36'44.45681"N	North 7285048.637 USft	North 7285048.643 USft
Long 101°46'17.33988"W	East 972674.978 USft	East 972674.985 USft
Height 3102.247 USft	Elev 3190.029 USft	Elev 3190.026 USft
	Horizontal error 0.010 USft	Type Horz and Vert
	Vertical error 0.003 USft	
	3D error 0.010 USft	
Point 1442 : MON.006		Point 806 : LUB006
Lat 33°34'12.66935"N	North 7270622.787 USft	North 7270622.791 USft
Long 101°51'57.26415"W	East 943451.415 USft	East 943451.408 USft
Height 3118.533 USft	Elev 3205.516 USft	Elev 3205.519 USft
	Horizontal error 0.008 USft	Type Horz and Vert
	Vertical error 0.003 USft	
	3D error 0.009 USft	

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Project name      C:\TSOffice\Projects\LUBBOCK\NAD27
Description      CONTROL AND PANEL POINTS TO NAD 27
Coordinate System US State Plane 1927
Zone            Texas North Central 4202
Datum          NADCON (Conus)
Date printed   2/22/00 10:10:27 AM

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GPS Calibration  
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Datum transformation parameters  
 Rotation about x axis -0°00'03.53525"  
 Rotation about y axis 0°00'00.22383"  
 Rotation about z axis 0°00'03.37600"  
 Translation along x axis 273.476 USft  
 Translation along y axis -613.320 USft  
 Translation along z axis -111.001 USft  
 Scale factor (ppm) -15.095

Horizontal adjustment parameters  
 Northing coordinate of rotation center 721725.096 USft  
 Easting coordinate of rotation center 664381.970 USft  
 Rotation about the center point -0°00'00.00005"  
 Translation north 0.004 USft  
 Translation east 0.012 USft  
 Scale factor 1.00000000

Vertical adjustment parameters  
 Northing coordinate of origin point 686310.055 USft  
 Easting coordinate of origin point 658985.747 USft  
 Vertical separation at origin 4.107 USft  
 Slope north -0.00000204  
 Slope east -0.00000017

Geoid model GEOID96

Residual differences between GPS and known coordinates

Horizontal  
 Maximum error 0.071 USft (Point 1266)  
 Root mean square error 0.016  
 Vertical  
 Maximum error 0.067 USft (Point 003)  
 Root mean square error 0.012  
 Three-dimensional  
 Maximum error 0.079 USft (Point 1266)  
 Root mean square error 0.02

Starting point	Calculated point	Grid point
Point 1074 : MON. SHEPARD Lat 33°28'33.74875"N Long 101°53'58.55426"W Height 3161.149 USft	North 686310.055 USft East 658985.747 USft Elev 3246.030 USft Horizontal error 0.056 USft Vertical error 0.030 USft 3D error 0.064 USft	Point 814 : SHEPARD North 686310.086 USft East 658985.795 USft Elev 3246.000 USft Type Horz and Vert
Point 003 : MON.SET IN CONC Lat 33°32'34.99681"N Long 101°55'37.43292"W Height 3168.429 USft	North 711022.832 USft East 651645.839 USft Elev 3253.505 USft Horizontal error 0.037 USft Vertical error 0.067 USft 3D error 0.077 USft	Point 803 : LUB003 North 711022.807 USft East 651645.866 USft Elev 3253.572 USft Type Horz and Vert
Point 1000 : USC+GS MON Y905 Lat 33°34'40.84433"N Long 102°01'35.73688"W Height 3231.027 USft	North 725022.667 USft East 621897.066 USft Elev 3315.715 USft Horizontal error 0.066 USft Vertical error 0.005 USft 3D error 0.066 USft	Point 816 : Y905 North 725022.708 USft East 621897.015 USft Elev 3315.720 USft Type Horz and Vert
Point 1185 : MON.MCCAULEY Lat 33°38'04.27408"N Long 101°52'43.04608"W Height 3171.303 USft	North 743655.817 USft East 667778.849 USft Elev 3257.232 USft Horizontal error 0.042 USft Vertical error 0.030 USft 3D error 0.052 USft	Point 811 : MCCAULEY North 743655.817 USft East 667778.807 USft Elev 3257.202 USft Type Horz and Vert
Point 1125 : Lat 33° 1.66598"N Long 101' .26015"W Height 685 USft	North 720105.933 USft East 670673.639 USft Elev 3204.289 USft Horizontal error 0.049 USft	Point 806 : LUB006 North 720105.978 USft East 670673.659 USft Elev 3204.264 USft Type Horz and Vert

Point 1266 : 5/8 IRS M905  
Lat 33°36'11.02185"N  
Long 101°50'16.80338"W  
Height 3086.921 USft

North 731706.001 USft  
East 679659.638 USft  
Elev 3172.876 USft  
Horizontal error 0.071 USft  
Vertical error 0.035 USft  
3D error 0.079 USft

Point 818 : M905  
North 731705.930 USft  
East 679659.633 USft  
Elev 3172.841 USft  
Type Horz and Vert

Point 008 : MON.SET IN CONC.  
Lat 33°36'44.45436"N  
Long 101°46'17.33533"W  
Height 3102.384 USft

North 734252.395 USft  
East 700033.100 USft  
Elev 3188.710 USft  
Horizontal error 0.020 USft  
Vertical error 0.048 USft  
3D error 0.052 USft

Point 808 : LUB008  
North 734252.376 USft  
East 700033.106 USft  
Elev 3188.758 USft  
Type Horz and Vert

Project name : C:\TSOffice\Projects\LUBBOCK\NAD27\R  
 Description : REVISED FOR BAD LOCATION OF MON 009  
 Coordinate System : US State Plane 1927  
 Zone : Texas North Central 4202  
 Datum : NADCON (Conus)  
 Date printed : 2/22/00 10:18:57 AM

----- GPS Calibration

Datum transformation parameters

Rotation about x axis -0°00'04.36579"  
 Rotation about y axis 0°00'00.27959"  
 Rotation about z axis 0°00'03.07259"  
 Translation along x axis 254.608 USft  
 Translation along y axis -548.499 USft  
 Translation along z axis -50.550 USft  
 Scale factor (ppm) -14.302

Horizontal adjustment parameters

Northing coordinate of rotation center 716174.489 USft  
 Easting coordinate of rotation center 682214.631 USft  
 Rotation about the center point -0°00'00.00006"  
 Translation north 0.006 USft  
 Translation east 0.010 USft  
 Scale factor 1.00000000

Vertical adjustment parameters

Northing coordinate of origin point 711592.446 USft  
 Easting coordinate of origin point 690838.982 USft  
 Vertical separation at origin 4.146 USft  
 Slope north 0.00000190  
 Slope east -0.00000009

Geoid model GEOID96 (Conus)

Residual differences between GPS and known coordinates

Horizontal  
 Maximum error 0.023 USft (Point 1275)  
 Root mean square error 0.005

Vertical  
 Maximum error 0.000 USft (Point 1275)  
 Root mean square error 0

Three-dimensional  
 Maximum error 0.023 USft (Point 1275)  
 Root mean square error 0.005

Starting point	Calculated point	Grid point
Point 1275 : MON.SET IN CONC.		Point 809 : LUB009
Lat 33°32'56.73487"N	North 711592.446 USft	North 711592.430 USft
Long 101°47'55.00544"W	East 690838.982 USft	East 690838.966 USft
Height 3076.594 USft	Elev 3162.533 USft	Elev 3162.533 USft
	Horizontal error 0.023 USft	Type Horz and Vert
	Vertical error 0.000 USft	
	3D error 0.023 USft	
Point 1443 : MON.010		Point 810 : LUB010
Lat 33°30'40.14180"N	North 698747.192 USft	North 698747.198 USft
Long 101°52'26.44225"W	East 667312.816 USft	East 667312.833 USft
Height 3133.535 USft	Elev 3218.785 USft	Elev 3218.785 USft
	Horizontal error 0.018 USft	Type Horz and Vert
	Vertical error 0.000 USft	
	3D error 0.018 USft	
Point 1440 : MON.008		Point 808 : LUB008
Lat 33°36'44.45681"N	North 734252.368 USft	North 734252.376 USft
Long 101°46'17.33988"W	East 700033.097 USft	East 700033.106 USft
Height 3102.247 USft	Elev 3188.758 USft	Elev 3188.758 USft
	Horizontal error 0.012 USft	Type Horz and Vert
	Vertical error 0.000 USft	
	3D error 0.012 USft	
Point 1442 : MON.006		Point 806 : LUB006
Lat 33°34'12.66935"N	North 720105.976 USft	North 720105.978 USft
Long 101°51'57.26415"W	East 670673.669 USft	East 670673.659 USft
Height 3118.533 USft	Elev 3204.264 USft	Elev 3204.264 USft
	Horizontal error 0.009 USft	Type Horz and Vert
	Vertical error 0.000 USft	
	3D error 0.009 USft	

**LUBBOCK CONTROL NETWORK**

**CHECK SHOT COMPARISONS**

PT NO	NORTHING	EASTING	ELEVATION	WGS 84 LAT	WGS 84 LONG	ELLIP HGHT	DESCRIPTION	H. DIFF	V. DIFF
801	7241679.445	919990.891	3273.10	33°29'18.93221"N	101°56'23.19910"W	3187.21	LUB001	*	*
1	7241679.469	919990.886	3273.17	33°29'18.93244"N	101°56'23.19917"W	3187.27	MON.SET IN CONC	0.024	0.066
1051	7241679.498	919990.945	3273.11	33°29'18.93274"N	101°56'23.19849"W	3187.22	MON.001	0.056	0.010
1096	7241679.404	919990.881	3273.15	33°29'18.93179"N	101°56'23.19920"W	3187.25	MON.001	0.041	0.045
1239	7241679.447	919990.817	3273.22	33°29'18.93220"N	101°56'23.19998"W	3187.32	MON.001	0.007	0.116
3092	7241679.468	919990.892	3273.30	33°29'18.93243"N	101°56'23.19910"W	3187.41	RETIE MON 001	0.023	0.204
802	7250273.981	901145.524	3284.16	33°30'37.76275"N	102°00'08.98913"W	3198.41	LUB002	*	*
2	7250274.038	901145.597	3284.28	33°30'37.76334"N	102°00'08.98829"W	3198.53	MON. SET IN CONC	0.062	-0.122
1078	7250273.963	901145.624	3284.38	33°30'37.76260"N	102°00'08.98794"W	3198.63	MON.002	0.076	0.099
803	7261358.504	924510.863	3254.81	33°32'34.99655"N	101°55'37.43259"W	3168.50	LUB003	*	*
3	7261358.531	924510.837	3254.74	33°32'34.99681"N	101°55'37.43292"W	3168.43	MON.SET IN CONC	0.028	-0.068
1052	7261358.503	924511.035	3254.55	33°32'34.99660"N	101°55'37.43057"W	3168.24	MON.003	0.031	-0.255
1053	7261358.555	924510.937	3254.78	33°32'34.99708"N	101°55'37.43175"W	3168.47	MON.003	0.056	-0.028
1076	7261358.397	924510.808	3254.74	33°32'34.99548"N	101°55'37.43321"W	3168.43	MON.003	0.110	-0.068
1273	7261358.511	924510.926	3254.97	33°32'34.99664"N	101°55'37.43185"W	3168.66	MON. 003	0.011	0.163
804	7269414.072	905851.379	3293.01	33°33'48.58011"N	101°59'20.94391"W	3206.83	LUB004	*	*
4	7269414.064	905851.416	3292.99	33°33'48.58005"N	101°59'20.94347"W	3206.81	MON.SET IN CONC.	0.009	-0.022
1055	7269414.050	905851.487	3293.00	33°33'48.57993"N	101°59'20.94263"W	3206.82	MON.004	0.034	-0.015
1122	7269414.044	905851.482	3293.04	33°33'48.57988"N	101°59'20.94269"W	3206.86	MON.004	0.039	0.027
1189	7269414.068	905851.419	3293.23	33°33'48.58009"N	101°59'20.94344"W	3207.05	MON.004	0.006	0.219
1212	7269414.067	905851.410	3293.08	33°33'48.58008"N	101°59'20.94354"W	3206.90	MON.004	0.006	0.068
805	7281634.304	921859.438	3259.82	33°35'54.64061"N	101°56'16.58152"W	3173.17	LUB005	*	*
5	7281634.261	921859.460	3259.82	33°35'54.64020"N	101°56'16.58125"W	3173.17	MON.SET IN CONC	0.043	0.000
806	7270622.791	943451.408	3205.52	33°34'12.66639"N	101°51'57.25996"W	3118.66	LUB006	*	*
1124	7270622.767	943451.453	3205.30	33°34'12.66618"N	101°51'57.25942"W	3118.43	MON.006	0.026	-0.224
1125	7270622.749	943451.390	3205.55	33°34'12.66598"N	101°51'57.26015"W	3118.69	MON.006	0.042	0.027
1188	7270622.811	943451.404	3205.54	33°34'12.66659"N	101°51'57.26001"W	3118.68	MON.006	0.020	0.022
1272	7270622.810	943451.476	3205.66	33°34'12.66661"N	101°51'57.25917"W	3118.80	MON. 006	0.024	0.138
1442	7270622.786	943451.415	3205.52	33°34'12.66635"N	101°51'57.25987"W	3118.66	MON.006	0.005	-0.003



**LUBBOCK CONTROL NETWORK**

**CHECK SHOT COMPARISONS**

PT NO	NORTHING	EASTING	ELEVATION	WGS 84 LAT	WGS 84 LONG	ELLIP HGHT	DESCRIPTION	H. DIFF	V. DIFF
807	7297041.901	958552.094	3252.15	33°38'38.67280"N	101°49'08.73290"W	3164.56	LUB007	*	*
7	7297042.029	958552.136	3252.09	33°38'38.67408"N	101°49'08.73246"W	3164.50	MON.SET IN CONC.	0.130	-0.057
808	7285048.643	972674.985	3190.03	33°36'44.45415"N	101°46'17.33525"W	3102.41	LUB008	*	*
8	7285048.664	972674.978	3190.00	33°36'44.45436"N	101°46'17.33533"W	3102.38	MON.SET IN CONC.	0.021	-0.025
1439	7285048.597	972675.016	3189.98	33°36'44.45370"N	101°46'17.33486"W	3102.36	MON.008	0.047	-0.051
1440	7285048.636	972674.978	3190.03	33°36'44.45408"N	101°46'17.33533"W	3102.41	MON.008	0.007	0.003
809	7262301.799	963697.211	3163.80	33°32'56.73174"N	101°47'55.00106"W	3076.71	LUB009		
810	7249232.677	940294.339	3220.03	33°30'40.13860"N	101°52'26.43774"W	3133.60	LUB010	*	*
10	7249232.607	940294.217	3220.03	33°30'40.13787"N	101°52'26.43916"W	3133.60	MON.SET IN CONC.	0.085	0.002
1097	7249232.526	940294.265	3219.86	33°30'40.13708"N	101°52'26.43855"W	3133.44	MON.010	0.156	-0.164
1123	7249232.727	940294.450	3219.94	33°30'40.13912"N	101°52'26.43646"W	3133.51	MON.010	0.062	-0.088
1443	7249232.674	940294.324	3220.03	33°30'40.13856"N	101°52'26.43792"W	3133.61	MON.010	0.003	0.003
811	7294144.237	940332.118	3258.53	33°38'04.27407"N	101°52'43.04657"W	3171.30	McCAULEY	*	*
1185	7294144.237	940332.159	3258.53	33°38'04.27408"N	101°52'43.04608"W	3171.30	MON.MCCAULEY	0.002	0.008
812	7234293.468	994114.585	3144.73	33°28'29.04556"N	101°41'45.67812"W	3057.54	J71		
813	7275634.453	954032.820	3193.22	33°35'05.56251"N	101°49'54.13671"W	3106.07	LUB-MAG	*	*
1267	7275634.506	954032.858	3193.27	33°35'05.56305"N	101°49'54.13627"W	3106.12	MON.LUB MAG.	0.054	0.055
1268	7275609.502	953994.358	3195.13	33°35'05.30371"N	101°49'54.58179"W	3107.98	MON.LUBMAG REFER		
814	7236716.612	932086.175	3247.20	33°28'33.74915"N	101°53'58.55368"W	3161.13	SHEPARD	*	*
1074	7236716.573	932086.124	3247.22	33°28'33.74874"N	101°53'58.55426"W	3161.15	MON. SHEPARD	0.042	0.023
815	7301425.814	953743.007	3238.08	33°39'20.51773"N	101°50'07.23766"W	3150.50	V905	*	*
1264	7301425.864	953743.071	3238.07	33°39'20.51824"N	101°50'07.23691"W	3150.48	TEMP V905	0.054	-0.014
816	7275074.290	894629.529	3316.96	33°34'40.84470"N	102°01'35.73758"W	3231.02	Y905		



**CHECK SHOT COMPARISONS**

PT NO	NORTHING	EASTING	ELEVATION	WGS 84 LAT	WGS 84 LONG	ELLIP HGHT	DESCRIPTION	H. DIFF	V. DIFF
1000	7275074.250	894629.586	3316.97	33°34'40.84433"N	102°01'35.73688"W	3231.03	USGS MON Y905	0.043	0.010
817	7293790.924	927637.310	3240.30	33°37'56.71730"N	101°55'12.98367"W	3153.32	TEMP B71	*	*
1269	7293790.957	927637.312	3240.02	33°37'56.71762"N	101°55'12.98365"W	3153.04	TEMP B71	0.033	-0.280
1270	7293862.112	927633.824	3243.16	33°37'57.42011"N	101°55'13.05229"W	3156.17	MON.B71		
818	7282308.032	952326.481	3174.13	33°36'11.02114"N	101°50'16.80338"W	3086.90	TEMP M905	*	*
1266	7282308.103	952326.484	3174.16	33°36'11.02185"N	101°50'16.80338"W	3086.92	5/8 IRS M905	0.071	0.024
1265	7282439.322	952716.800	3166.33	33°36'12.44210"N	101°50'12.24001"W	3079.08	M905		
1186	7274063.039	941373.839	3214.81	33°34'46.02745"N	101°52'23.10770"W	3127.93	MON.TTC2		
1187	7273729.232	941430.126	3213.93	33°34'42.74436"N	101°52'22.31606"W	3127.05	MON.TTC2 REFRENC	*	*
1271	7273729.162	941430.220	3214.12	33°34'42.74370"N	101°52'22.31493"W	3127.24	MON.TTC 2 REF PT	0.079	0.190
1244	7280759.914	894078.173	3326.22	33°35'36.88294"N	102°01'44.50796"W	3240.20	MON.ON AFB		
1274	7260780.736	963339.702	3169.05	33°32'41.57866"N	101°47'58.65909"W	3081.99	MON. Q1468		