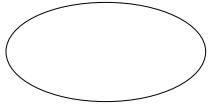








GPS Calibration Report

Project : R2710s

User name	rgmiller	Date & Time	2:53:36 PM 12/18/01
Coordinate System	US State Plane 1983	Zone	North Carolina 3200
Project Datum	NAD 1983 (Conus)		
Vertical Datum		Geoid Model	GEOID99 (Conus)
Coordinate Units	US survey feet		
Distance Units	US survey feet		
Height Units	US survey feet		



Contents

-  Datum Transformation Parameters
 -  Updated Default Projection Definition
 -  Horizontal Adjustment Parameters
 -  Vertical Adjustment Parameters
 -  Geoid Model Definition
 -  Residual Differences Between GPS And Known Coordinates
-

Datum Transformation Parameters

Datum Transformation computation not requested

[Back to top](#)

Updated Default Projection (Transverse Mercator) Definition

Updated default projection not requested

[Back to top](#)

Horizontal Adjustment Parameters

Northing coordinate of rotation center	899913.023sft
Easting coordinate of rotation center	1172446.781sft
Rotation about the center point	0°00'00"
Translation north	-0.019sft
Translation east	0.279sft
Scale factor	1.00014509

[Back to top](#)

Vertical Adjustment Parameters

Northing coordinate of origin point	894117.841sft
Easting coordinate of origin point	1162307.129sft
Vertical separation at origin	0.177sft
Slope north	-7.052ppm
Slope east	-2.432ppm

[Back to top](#)

Geoid Model Definition

GEOID99 (Conus)

[Back to top](#)

Residual Differences Between GPS And Known Coordinates

Summary					
	Maximum error	Root Mean Square error	Point		
Horizontal	0.006sft	0.001	R2710-6_WGS84		
Vertical	0.002sft	0.000	R2710-1_WGS84		
Three-dimensional	0.006sft	0.001	R2710-6_WGS84		

Point Residuals					
Starting point		Calculated point		Control point	
Point	R2710-1_WGS84	Northing	894117.841sft	Point	R2710-1_Local
Latitude	36°10'25.42268"N	Easting	1162307.129sft	Northing	894117.839sft
Longitude	81°50'18.44418"W	Elevation	4204.052sft	Easting	1162307.132sft
Height	4102.410sft	Horizontal error	0.004sft	Elevation	4204.050sft
		Vertical error	0.002sft	Type	Horz and Vert
		3D error	0.004sft	Point quality	Survey quality
Point	R2710-2_WGS84	Northing	893795.312sft	Point	R2710-2_Local
Latitude	36°10'22.34270"N	Easting	1162688.129sft	Northing	893795.310sft
Longitude	81°50'13.68743"W	Elevation	4119.267sft	Easting	1162688.128sft
Height	4017.613sft	Horizontal error	0.002sft	Elevation	4119.267sft
		Vertical error	0.000sft	Type	Horz and Vert
		3D error	0.002sft	Point quality	Survey quality
Point	R2710-4_WGS84	Northing	896757.304sft	Point	R2710-4_Local
Latitude	36°10'52.82600"N	Easting	1166978.038sft	Northing	896757.305sft
Longitude	81°49'22.42112"W	Elevation	3694.873sft	Easting	1166978.037sft
Height	3593.149sft	Horizontal error	0.001sft	Elevation	3694.875sft
		Vertical error	0.002sft	Type	Horz and Vert
		3D error	0.003sft	Point quality	Survey quality
Point	R2710-3_WGS84	Northing	897118.434sft	Point	R2710-3_Local
Latitude	36°10'56.40494"N	Easting	1167012.829sft	Northing	897118.436sft
Longitude	81°49'22.12220"W	Elevation	3679.123sft	Easting	1167012.832sft
Height	3577.401sft	Horizontal error	0.003sft	Elevation	3679.124sft
		Vertical error	0.001sft	Type	Horz and Vert
		3D error	0.004sft	Point quality	Survey quality
Point	R2710-5_WGS84	Northing	899969.807sft	Point	R2710-5_Local
Latitude	36°11'25.56750"N	Easting	1170511.795sft	Northing	899969.811sft
Longitude	81°48'40.44989"W	Elevation	3586.382sft	Easting	1170511.793sft
Height	3484.599sft	Horizontal error	0.005sft	Elevation	3586.381sft
		Vertical error	0.001sft	Type	Horz and Vert
		3D error	0.005sft	Point quality	Survey quality
Point	R2710-6_WGS84	Northing	900656.772sft	Point	R2710-6_Local

Latitude	36°11'32.42818"N	Easting	1170766.162sft	Northing	900656.777sft
Longitude	81°48'37.58570"W	Elevation	3558.344sft	Easting	1170766.164sft
Height	3456.558sft	Horizontal error	0.006sft	Elevation	3558.343sft
		Vertical error	0.001sft	Type	Horz and Vert
		3D error	0.006sft	Point quality	Survey quality
Point	R2710-7_WGS84	Northing	899753.205sft	Point	R2710-7_Local
Latitude	36°11'24.49876"N	Easting	1174349.811sft	Northing	899753.202sft
Longitude	81°47'53.58007"W	Elevation	2951.669sft	Easting	1174349.809sft
Height	2849.801sft	Horizontal error	0.003sft	Elevation	2951.671sft
		Vertical error	0.002sft	Type	Horz and Vert
		3D error	0.004sft	Point quality	Survey quality
Point	R2710-8_WGS84	Northing	899299.510sft	Point	R2710-8_Local
Latitude	36°11'20.32014"N	Easting	1175446.467sft	Northing	899299.506sft
Longitude	81°47'40.05326"W	Elevation	2790.976sft	Easting	1175446.466sft
Height	2689.079sft	Horizontal error	0.005sft	Elevation	2790.976sft
		Vertical error	0.000sft	Type	Horz and Vert
		3D error	0.005sft	Point quality	Survey quality
Point	R2710-9_WGS84	Northing	901105.763sft	Point	R2710-9_Local
Latitude	36°11'38.68130"N	Easting	1177278.678sft	Northing	901105.761sft
Longitude	81°47'18.33297"W	Elevation	2734.241sft	Easting	1177278.677sft
Height	2632.321sft	Horizontal error	0.002sft	Elevation	2734.240sft
		Vertical error	0.001sft	Type	Horz and Vert
		3D error	0.003sft	Point quality	Survey quality
Point	R2710-10_WGS84	Northing	902707.551sft	Point	R2710-10_Local
Latitude	36°11'55.19833"N	Easting	1179752.740sft	Northing	902707.549sft
Longitude	81°46'48.71336"W	Elevation	2724.317sft	Easting	1179752.738sft
Height	2622.367sft	Horizontal error	0.003sft	Elevation	2724.316sft
		Vertical error	0.001sft	Type	Horz and Vert
		3D error	0.003sft	Point quality	Survey quality
Point	R2710-11_WGS84	Northing	906495.536sft	Point	R2710-11_Local
Latitude	36°12'32.97399"N	Easting	1180973.472sft	Northing	906495.538sft
Longitude	81°46'35.12007"W	Elevation	2670.397sft	Easting	1180973.473sft
Height	2568.469sft	Horizontal error	0.002sft	Elevation	2670.395sft
		Vertical error	0.002sft	Type	Horz and Vert
		3D error	0.003sft	Point quality	Survey quality
Point	R2710-12_WGS84	Northing	907179.014sft	Point	R2710-12_Local
Latitude	36°12'39.81913"N	Easting	1181299.474sft	Northing	907179.015sft
Longitude	81°46'31.37741"W	Elevation	2667.647sft	Easting	1181299.475sft
Height	2565.723sft	Horizontal error	0.002sft	Elevation	2667.649sft
		Vertical error	0.002sft	Type	Horz and Vert
		3D error	0.002sft	Point quality	Survey quality

[Back to top](#)