

**GPS - 33**

*All values are referenced to the North American Datum NAD 83 (1995)*

Latitude:	<b>35° 59 ft 54.49354 inches</b>	TN Northing:	<b>190081.966 m</b>
Longitude:	<b>89° 24 ft 13.70245 inches</b>	TN Easting:	<b>293170.794 m</b>
Elevation:	<b>99.801 m (327.43 ft)</b>		
Convergence:	<b>-1° 59 ft 33.8 inches</b>	Scale Factor:	<b>0.99995250</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Dyer</b>	Nearest Town:	<b>Dyersburg</b>
USGS QUAD:	<b>Fowlkes</b>	TVA Designation:	<b>421-NW</b>

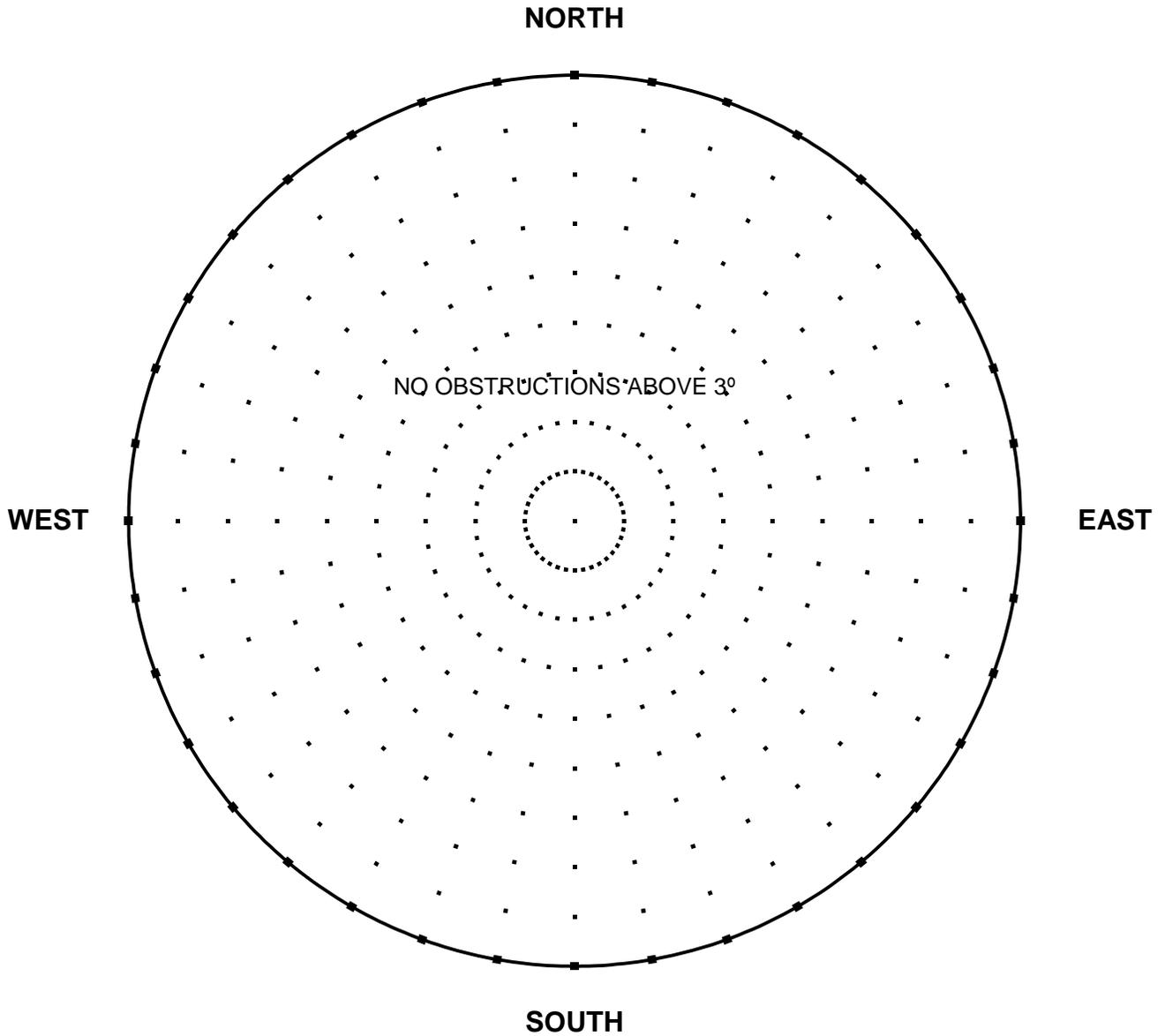
**Description:**

The station is located about 3.2 km (2 mi.) south of Dyersburg, at the Dyersburg Municipal Airport. Ownership--Airport Manager is Jerrie Davis, telephone (901) 286-2233.

To reach the station from the Courthouse in Dyersburg go south on U.S. Highway 51 Business Route (N. Main Ave.) 3.2 km (2.0 mi.) to the junction of U.S. Highway 51 Bypass and U.S. Highway 51 Business Route just south of Dyersburg. Then bear left and go south for 0.5 km (0.3 mi.) on U.S. Highway 51 to the airport entrance drive on the right. Turn right and go west for 0.56 km (0.35 mi.) on the airport entrance drive to the airport office. Enter the apron area from the drive between the old airport office building and a metal hangar approximately 90 m (300 ft.) north of the new airport office building. Go west-southwest across the apron to a taxiway, bear right and go west on the taxiway 61 m (200 ft.) to the junction of a southwest taxiway. Turn left and go southwest 0.16 km (0.1 mi.) on the taxiway to the station on the left.

The station is a 3-D mark with stainless steel rod driven 11.3 m (37 ft.). The logo cap is stamped---GPS 33 1987---, and a steel spike is embedded in the concrete. Located 63.7 m (209 ft.) west-southwest from a wind vane, 62.6 m (205 ft.) west-northwest from a wind sock, 48.2 m (158 ft.) east-northeast from the center of a runway, 21.0 m (69 ft.) southeast from the center of a taxiway 29.0 m (95 ft.) west from a 0.9 m (3 ft.) square iron drain grate, 0.15 m (0.5 ft.) east from a fiberglass witness post.

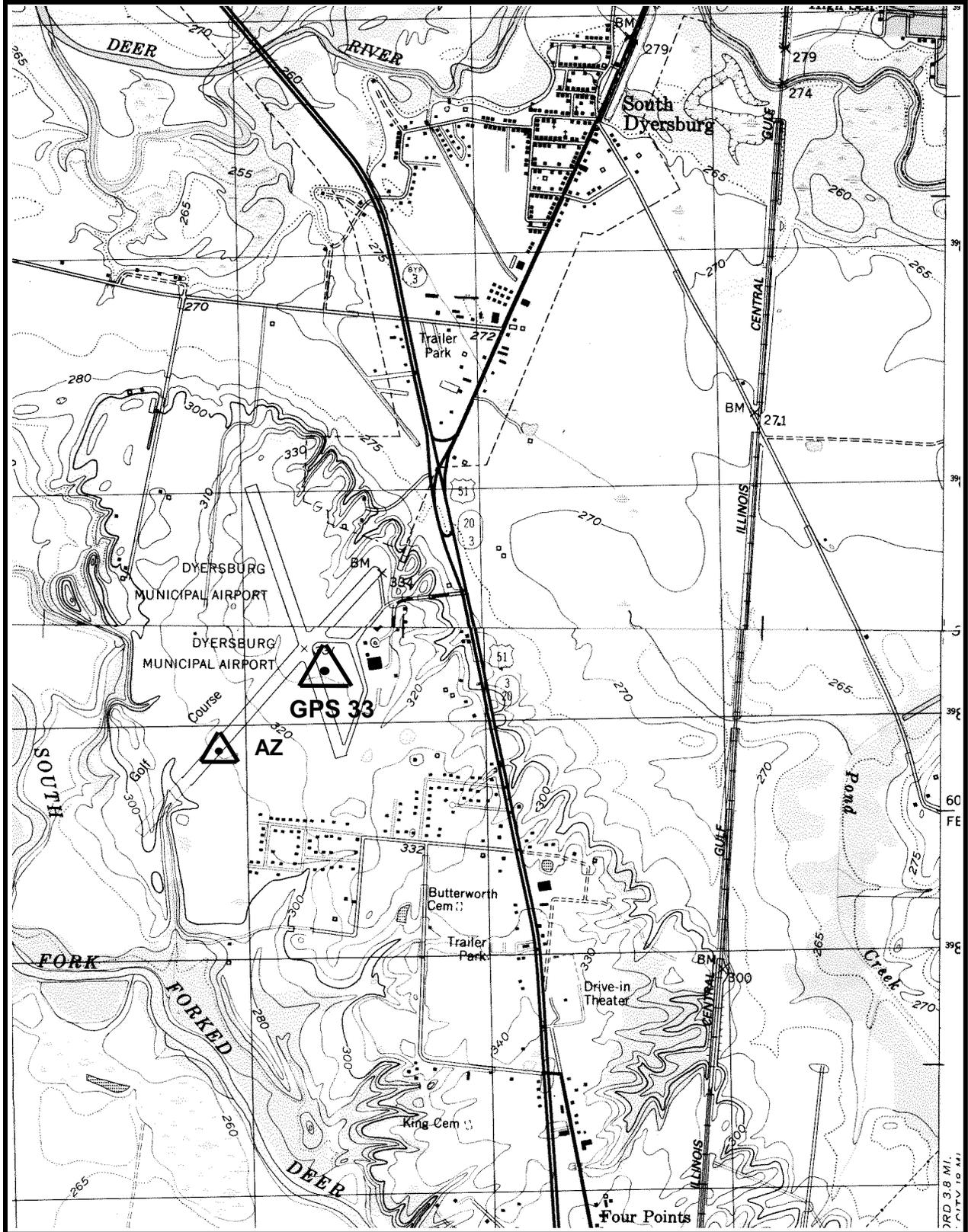
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>99.801 m (327.43 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 59 ft 54 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 24 ft 14 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 33</u>	MAP SHEET	<u>421-NW, Fowlkes</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

**TENNESSEE GEODETIC REFERENCE NETWORK**



**GPS 33**

**421-NW, FOWLKES**

**GPS - 33 AZ MK**

*All values are referenced to the North American Datum NAD 83 (1995)*

Latitude:	<b>35° 59 ft 43.16648 inches</b>	TN Northing:	<b>189747.048 m</b>
Longitude:	<b>89° 24 ft 29.74022 inches</b>	TN Easting:	<b>292757.220 m</b>
Elevation:	<b>94.197 m* (309.04 ft)</b>		
Convergence:	<b>-1° 59 ft 43.2 inches</b>	Scale Factor:	<b>0.99995235</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>Dyer</b>	Nearest Town:	<b>Dyersburg</b>
USGS QUAD:	<b>Fowlkes</b>	TVA Designation:	<b>421-NW</b>

**Description:**

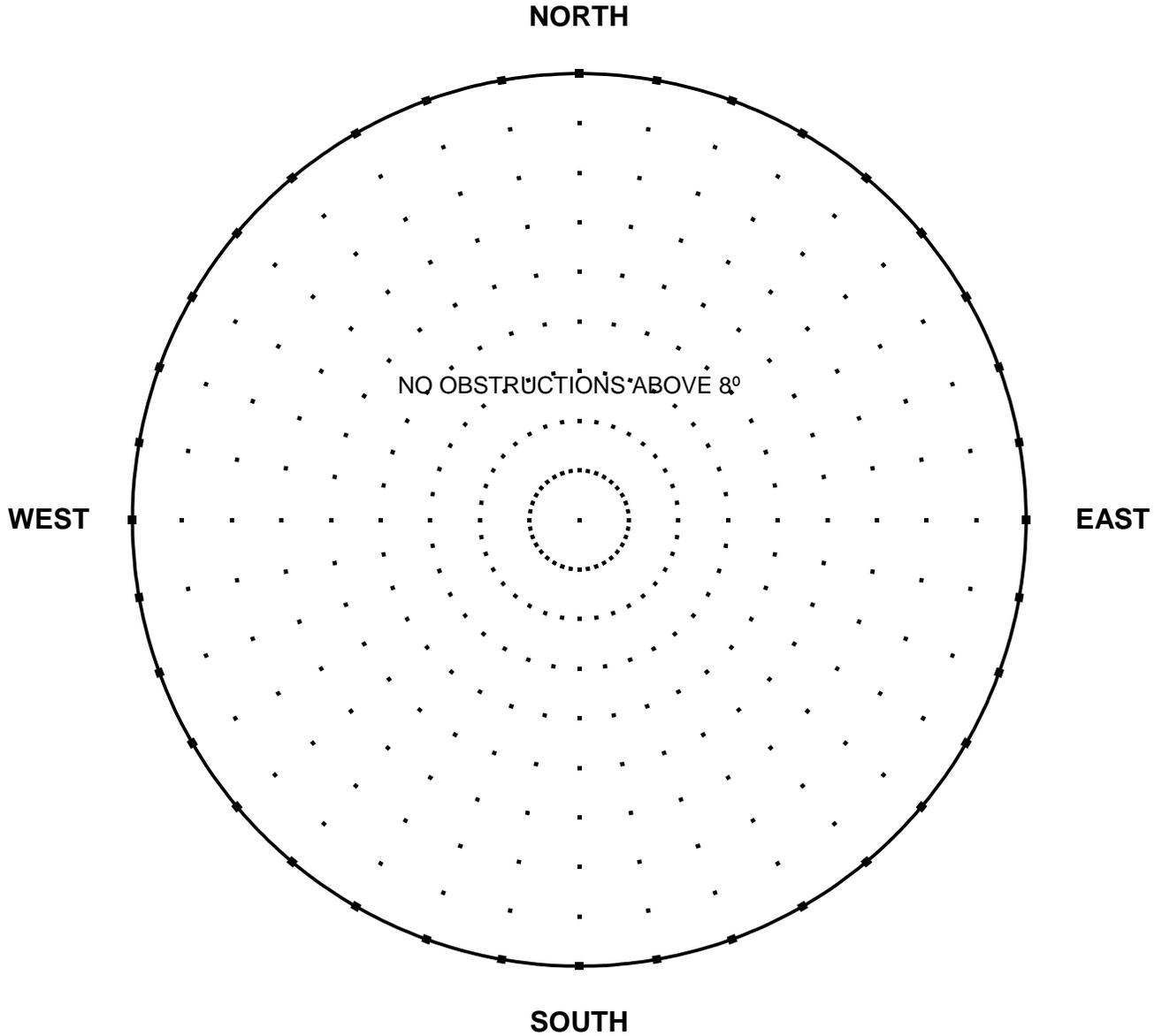
The station is located about 3.2 km (2 mi.) south of Dyersburg, at the Dyersburg Municipal Airport. Ownership--Airport Manager is Jerrie Davis, telephone (901) 286-2233.

To reach the azimuth mark from the Courthouse in Dyersburg go south on U.S. Highway 51 Business Route (N. Main Ave.) 3.2 km (2.0 mi.) to the junction of U.S. Highway 51 Bypass and U.S. Highway 51 Business Route just south of Dyersburg. Then bear left and go south for 0.5 km (0.3 mi.) on U.S. Highway 51 to the airport entrance drive on the right. Turn right and go west for 0.56 km (0.35 mi.) on the airport entrance drive to the airport office. Enter the apron area from the drive between the old airport office building and a metal hangar approximately 90 m (300 ft.) north of the new airport office building. Go west-southwest across the apron to a taxiway, bear right and go west on the taxiway 61 m (200 ft.) to the junction of a southwest taxiway. Turn left and go southwest 0.16 km (0.1 mi.) on the taxiway to station GPS 33 AZ MK on the left. Continue straight ahead and go 0.6 km (0.35 mi.) to the mark on the right.

The azimuth mark is a 3-D mark with stainless steel rod driven 18.9 m (62 ft.). The logo cap is stamped---GPS 33 AZ MK 1987---, with a steel spike embedded in the concrete and 0.05 m (0.17 ft.) below the ground. Located 18.3 m (60.2 ft.) southeast of the southeast edge of the runway, 12.6 m (41.5 ft.) southeast of the center of a taxiway guidance sign, 14.3 m (47.0 ft.) northeast of the northeast edge of the taxiway crossover, 14.7 m (48.0 ft.) northwest of the center of a concrete culvert with a headwall, and 0.3 m (1.0 ft.) south of a fiberglass witness post.

\* GPS derived elevation using the Geoid 96 Model and the WGS 1984 Reference Ellipsoid.

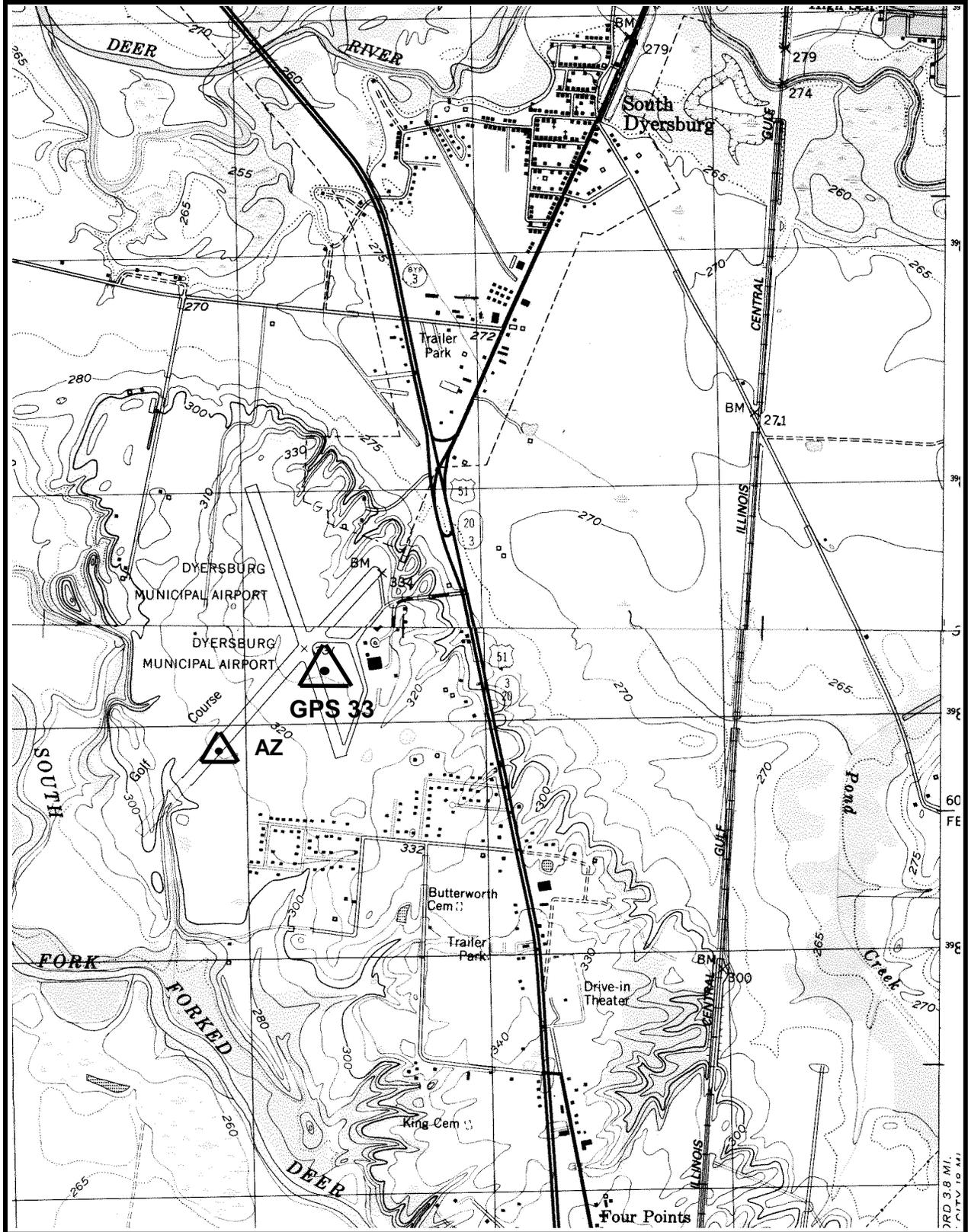
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>94.197 m (309.04 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 59 ft 43 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 24 ft 30 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 33 AZ MK</u>	MAP SHEET	<u>421-NW, Fowlkes</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

**TENNESSEE GEODETIC REFERENCE NETWORK**



**GPS 33**

**421-NW, FOWLKES**