

GPS - 58

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

Latitude:	35° 12 ft 44.84620 inches	TN Northing:	101847.588 m
Longitude:	89° 2 ft 36.18469 inches	TN Easting:	322937.768 m
Elevation:	151.291 m (496.36 ft)		
Convergence:	-1° 46 ft 54.2 inches	Scale Factor:	1.00000684
Monument Set by:	NGS	Date:	1987
County:	Hardeman	Nearest Town:	Bolivar
USGS QUAD:	Middleburg	TVA Designation:	432-NE

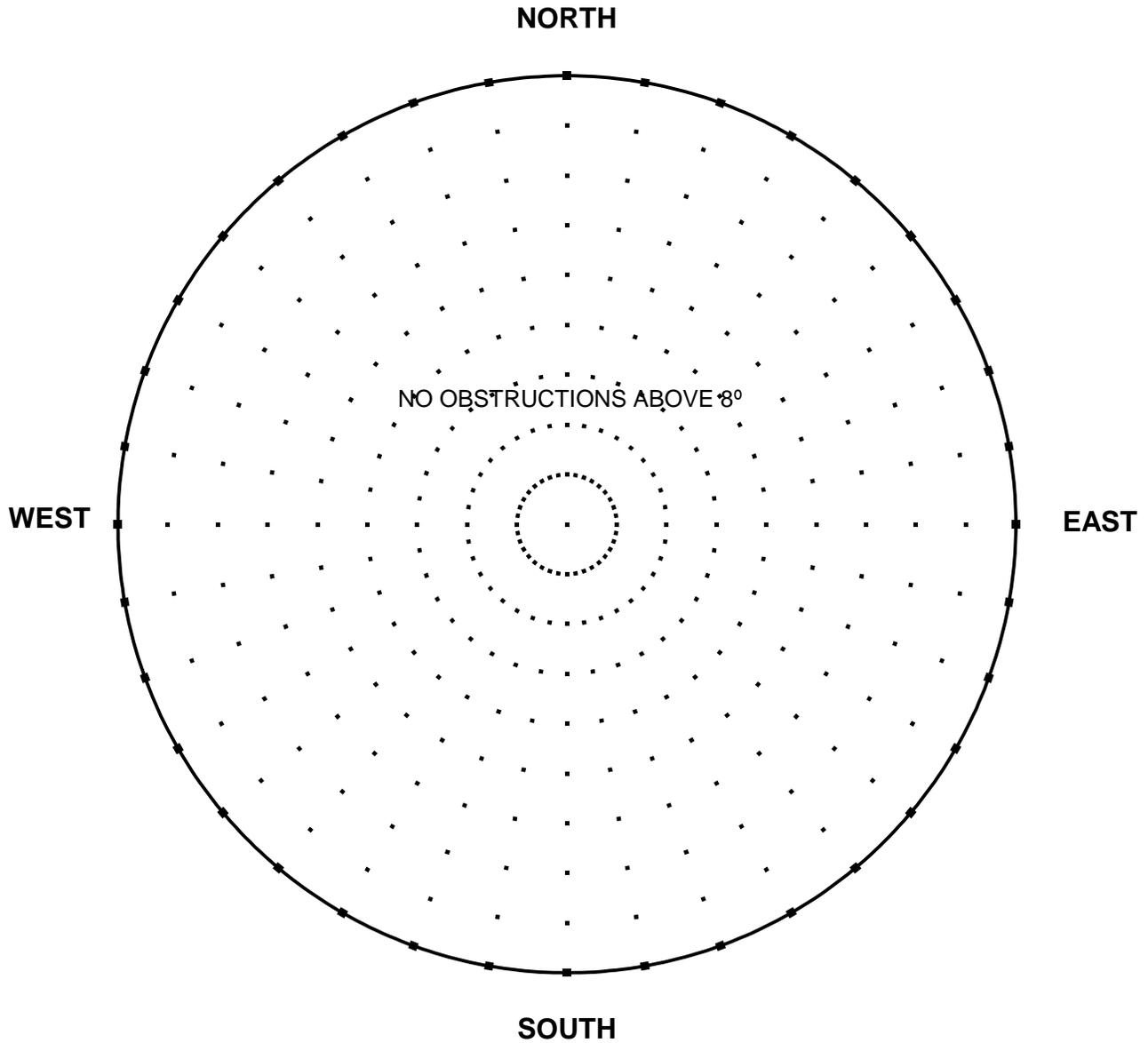
Description:

The station is located about 8.1 km (5 mi.) southwest of Bolivar, at the Bolivar/Hardeman County Airport, 0.16 km (0.1 mi.) south-southwest of the airport office, between the runway and a parking ramp. Ownership--Airport Manager is Dave Perrin (partner is Steve Aldred), telephone (901) 658-7556. Call for night access.

To reach the station from the junction of U.S. Highway 64 and State Route 18 just west of Bolivar go southwest for 5.3 km (3.3 mi.) on State Route 18 to the airport entrance drive. Turn left and go south for 1.3 km (0.8 mi.) on the airport entrance drive to the airport office and the station located 0.16 km (0.1 mi.) south-southwest of the office.

The station is a 3-D mark with stainless steel rod driven to refusal. The logo cap is stamped---GPS 58 1987---, and a steel spike is embedded in the concrete. Located 13.2 m (43 ft.) east from the runway edge and 0.9 m (3 ft.) below same, 30.5 m (100 ft.) west from the west edge of the parking ramp, 22.9 m (75 ft.) north from the center of a taxiway crossover, 10.7 m (35 ft.) northwest from the center of a culvert headwall, 0.3 m (1 ft.) north from a fiberglass witness post.

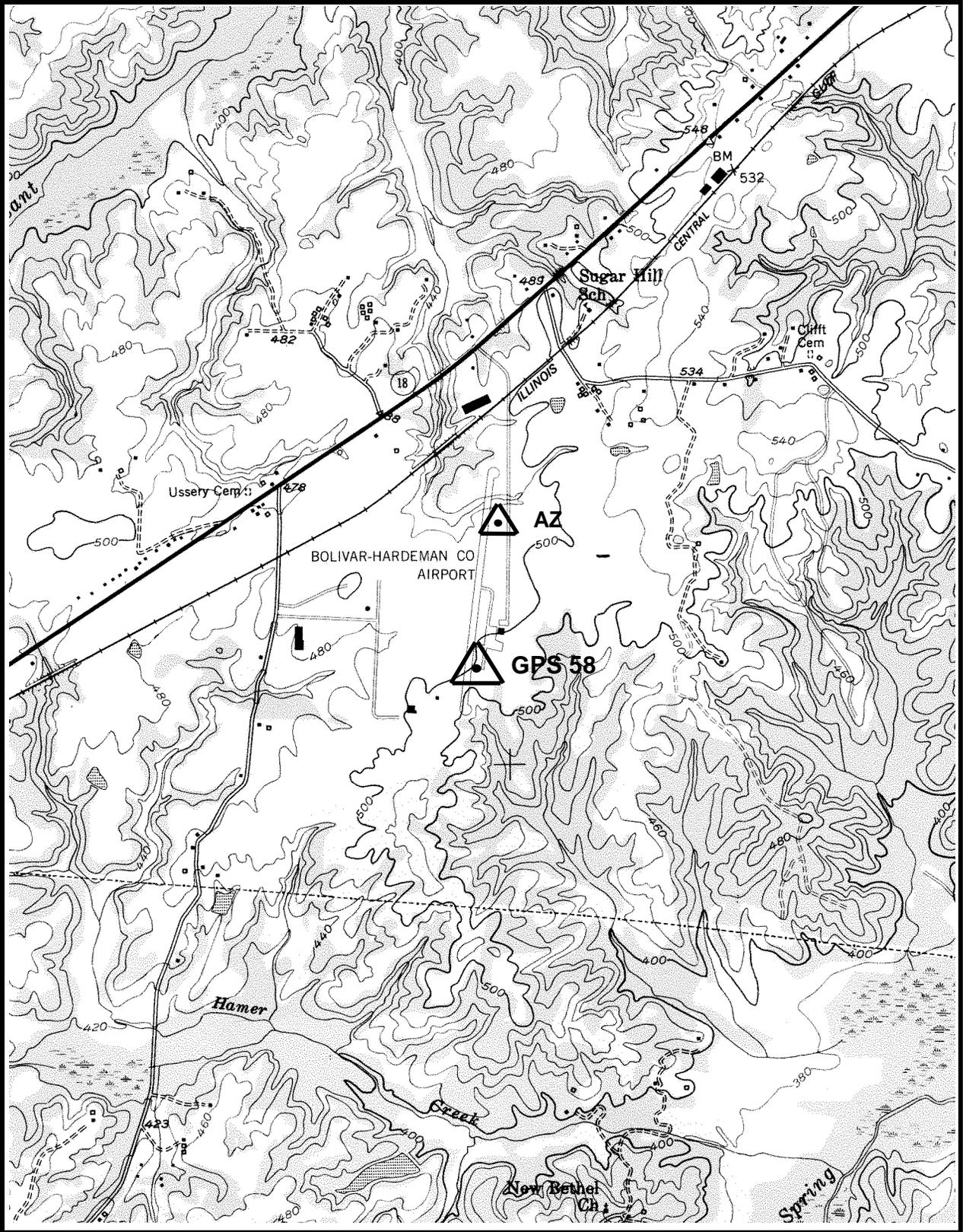
STATION VISIBILITY DIAGRAM



ELEVATION	<u>151.291 m (496.36 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 12 ft 45 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 2 ft 36 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 58</u>	MAP SHEET	<u>432-NE, Middleburg</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 58

432-NE, MIDDLEBURG

GPS - 58 AZ MK

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

Latitude:	35° 13 ft 04.77794 inches	TN Northing:	102459.289 m
Longitude:	89° 2 ft 33.30885 inches	TN Easting:	323029.563 m
Elevation:	147.881 m* (485.17 ft)		
Convergence:	-1° 46 ft 52.5 inches	Scale Factor:	1.00000580
Monument Set by:	NGS	Date:	1987
County:	Hardeman	Nearest Town:	Bolivar
USGS QUAD:	Middleburg	TVA Designation:	432-NE

Description:

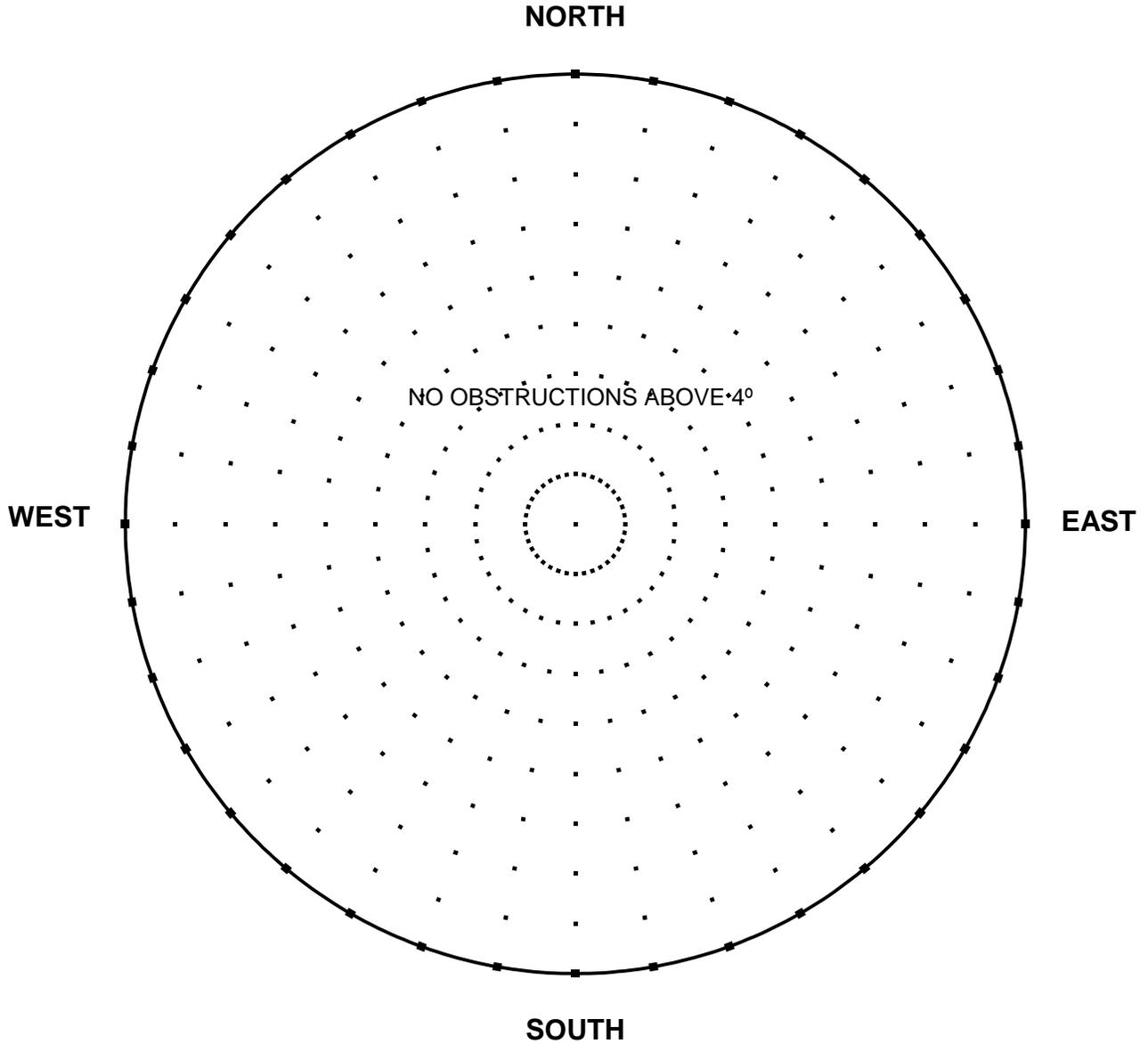
The azimuth mark is located about 8.1 km (5 mi.) southwest of Bolivar, at the Bolivar/Hardeman County Airport, 0.16 km (0.1 mi.) south-southwest of the airport office, between the runway and a parking ramp. Ownership--Airport Manager is Dave Perrin (partner is Steve Aldred), telephone (901) 658-7556. Call for night access.

To reach the mark from the junction of U.S. Highway 64 and State Route 18 just west of Bolivar go southwest for 5.3 km (3.3 mi.) on State Route 18 to the airport entrance drive. Turn left and go south for 1.3 km (0.8 mi.) on the airport entrance drive to the airport office. Then turn right and go north 0.5 km (0.3 mi.) along the taxiway to the mark. The distance is measured from the gate at the northwest corner of the airport office building, however, the gate is often locked and access provided around the back of the office building and hangar.

The azimuth mark is a 3-D mark with stainless steel rod driven 29.3 m (96 ft.) to refusal. The logo cap is stamped---GPS 58 AZ MK 1987-- -, and is 0.08 m (0.25 ft.) below the surface of the ground, with a rebar in the concrete. Located 3.5 m (11.5 ft.) west of the center of the concrete base for a vasi, 11.7 m (38.4 ft.) east of the east edge of the runway, 31.9 m (104.5 ft.) west of the west edge of the taxiway, 30.0 m (98.5 ft.) north of a vasi, and 0.3 m (1.0 ft.) north of a fiberglass witness post. Also 0.16 km (0.1 mi.) south of the north end of the runway.

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

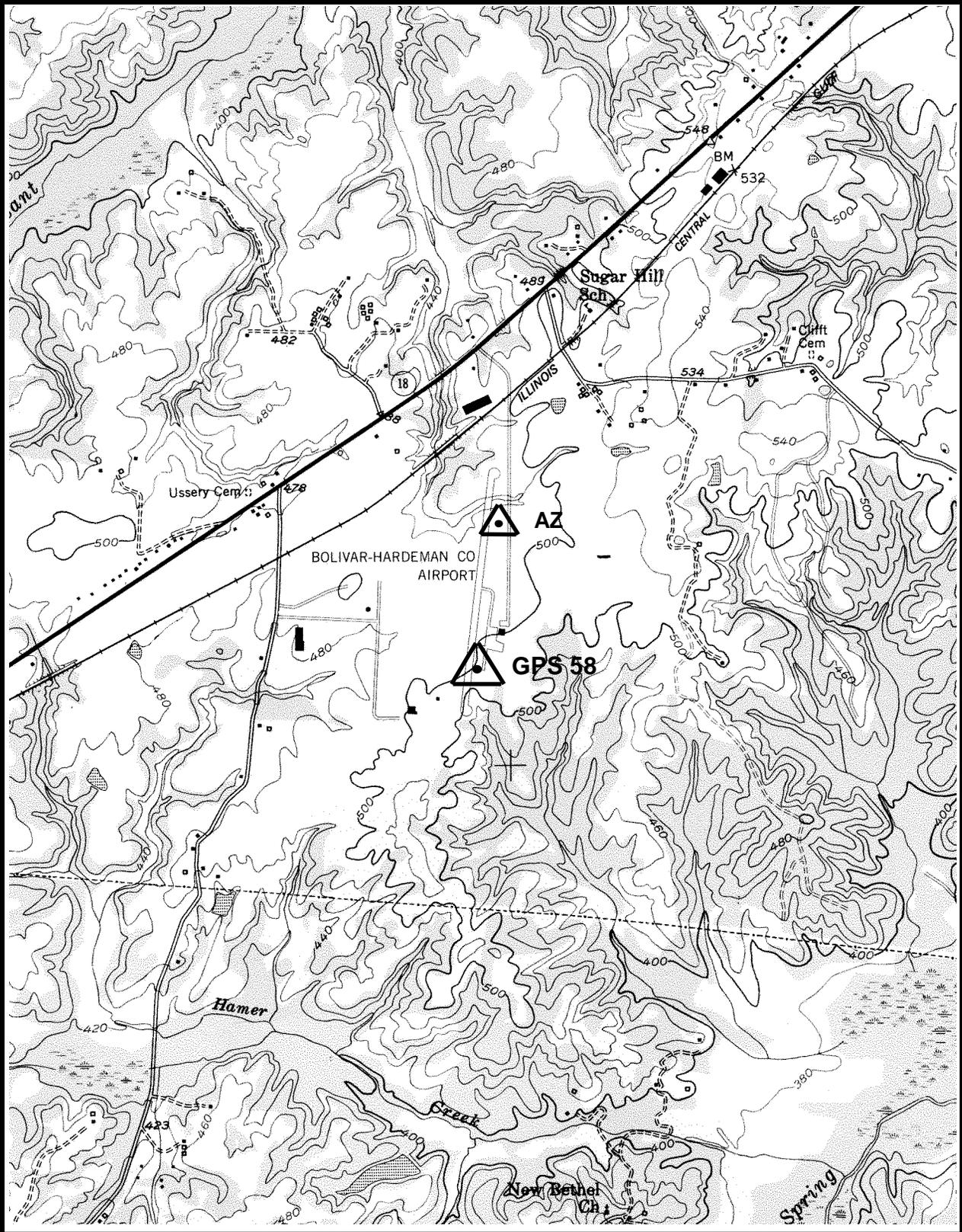
STATION VISIBILITY DIAGRAM



ELEVATION	<u>147.881 m (485.17 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>35° 13 ft 05 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>89° 2 ft 33 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 58 AZ MK</u>	MAP SHEET	<u>432-NE, Middleburg</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 58

432-NE, MIDDLEBURG