

T. 15 N., R. 21 E., M.D.M.

Oct. 19, 1950, at the closing cor. of Ts. 15 N., Rs. 21 and 22 E., in latitude 39° 11' 37" N., and longitude 119° 34' 12" W., at 3:54:13 p.m., app.t., I make a series of three altitude observations upon the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a flag, SW. to the sun:

Observation	Telescope	Sun	Apparent time	Vertical angle	Horizontal angle
1st	Direct	°	3:51:45	24°22'00"	52°00'00"
"	Reversed	°	3:56:40	24°14'00"	52°13'00"
	Mean		3:54:12	24°18'00"	52°05'30"
2nd	Direct	°	3:52:58	24°15'00"	52°09'00"
"	Reversed	°	3:55:34	24°21'00"	52°04'00"
	Mean		3:54:16	24°18'00"	52°06'30"
3rd	Direct	°	3:53:35	24°08'00"	52°17'00"
"	Reversed	°	3:54:49	24°28'00"	51°55'00"
	Mean		3:54:12	24°18'00"	52°06'00"
	Mean of all		3:54:13	24°18'00"	52°06'20"

Mean true bearing of flag. S. 0° 01' 52" E.
I turn an angle of 0° 01' 52" to the right and mark the true meridian.
At 4h 30m p.m., app.t., I set off 39° 11.6' N., on the lat. arc; 10° 00' S., on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian as above described.

Dependent Resurvey of a Portion of the 3rd Stan. Par. N.,
T. 16 N., R. 21 E.

Reestablishment of the Survey Executed by
Butler Ives, Deputy Surveyor, in 1861.

Beginning at the standard cor. of Ts. 16 N., Rs. 21 and 22 E., marked by the original monument, a trap stone, 26x12x10 ins., mkd. with 6 grooves on the NE. and NW. faces and SC. on N. face; and firmly set in a mound of stone, 5 ft. base, 1½ ft. high.

At the corner point

Set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the ground to bedrock and in a mound of stone, 5 ft. base to top, with brass cap mkd.

S C
T 16 N
R21E R22E
S36|S31

1950

Bury the original cor. stone alongside the iron post.