

## III.—Racine.

The station occupied for the observations here, is ten feet north-east from the north-east corner of the Universalist Church, or "Church of the Good Shepherd."

From this point to the middle of the dome of the Court House, situated 100 feet west of the west margin of Main street, and between Fifth and Sixth streets, is N.  $92^{\circ} 55'$  W., or S.  $87^{\circ} 05'$  W., 297 feet. Hence the reduction from the point of observation to the dome of the Court House, is in Latitude,  $-0.15''$ ; and in Longitude,  $+3.975''$  in arc, =  $+0.26s$ . in time.

Also, from the point of observation, to the tower of St. Luke's Church, is N.  $44^{\circ} 42' 40''$  W. 100 feet. Hence, the reduction from the point of observation is, in Latitude,  $+0.7''$ ; and in Longitude,  $+0.93''$  in arc, =  $0.06s$  in time.

Also, from the point of observation, to the steeple of the Universalist Church, is S.  $82^{\circ} 10'$  W., 71 feet, thence S.  $7^{\circ} 50'$  E., 29 feet. Hence, the reduction from the point of observation, to this steeple, is, in Latitude,  $-0.38''$ ; and in Longitude,  $+0.89''$  in arc, =  $+0.06s$ . in time.