Ptolemy's ALMAGEST

Translated and Annotated by

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In the twentieth year of Hadrian, Athyr [III] 13 in the Egyptian calendar [135 Oct. 1], $5\frac{5}{6}$ equinoctial hours after noon, just before sunset, we observed the moon when it was on the meridian. The apparent distance of its centre from the zenith, according to the instrument, was $50\frac{11}{12}°$. For the distance [measured] on the thin rod was $51\frac{7}{12}$ of the 60 subdivisions into which the radius of revolution had been divided, and a chord of that size subtends an arc of $50\frac{11}{12}°$. Now the time from epoch in the first year of Nabonassar to the moment of the above observation is

882 Egyptian years 72 days { $5\frac{5}{6}$ equinoctial hours reckoned simply / $5\frac{1}{3}$ equinoctial hours reckoned accurately. } H409