Vicarious Hypothesis: Kepler's six trials

First trial (p.259)
Aphelion at 28°44'0" Leo.
Mean longitude adjusted + 3'16"
Second trial (p.261)
Aphelion at 28°47'20" Leo.
Mean longitude adjusted + 3'16"
Third trial (p.262)
Aphelion at 28°47'8" Leo.
Mean longitude adjusted + 3'16"
Fourth trial (p. 265)
Aphelion at 28°49'8" Leo.
Mean longitude adjusted + 3'46"
Fifth trial (p.266)
Aphelion at 28°48'30" Leo.
Mean longitude adjusted + 3'46"
Sixth trial (p. 268)
Aphelion at 28°48′55″ Leo.
Mean longitude adjusted + 3′55″