Using the differential formula of Lehmann-Filhés, with an additional term for γ, and making the substitutions,

$$\begin{aligned} x &= \delta\gamma \\ y &= \delta K \\ z &= K.\delta e \\ u &= K.\delta\omega \\ v &= \frac{K}{(1-e^2)^{\frac{3}{2}}}\cdot\mu\cdot\delta T = [1\cdot 55878]\delta T, \end{aligned}$$

the following observation equations resulted, the weight of each being given in the normal places above.

OBSERVATION EQUATIONS FOR 14 AURIGÆ.

	x	y	z	u	v	$-n$
1	1·000	− ·714	+ ·421	+ ·635	− ·591	−0·1=0
2	1·000	− ·284	− ·573	+ ·930	− ·891	−0·6
3	1·000	+ ·160	− ·998	+ ·981	− ·980	+3·9
4	1·000	+ ·753	− ·284	+ ·697	− ·745	+1·5
5	1·000	+1·047	+ ·988	− ·065	+ ·058	−1·0
6	1·000	+ ·891	+ ·634	− ·550	+ ·590	−1·9
7	1·000	+ ·445	− ·498	− ·931	+ ·976	+0·2
8	1·000	− ·024	−1·007	−1·010	+1·015	−0·8
9	1·000	− ·658	− ·250	− ·721	+ ·673	−1·6
10	1·000	− ·951	+ ·981	+ ·022	− ·032	0·0