

D's S. D.	Cor.	Cor.	D's H. Px.	Px. in A.=H. Px. Cos. App. Alt.	
				Px. nearly.	T. Px.
' "	"	"	' "	3469 = 3.540204	3469 = 3.540204
15 53.7	-6.6	-24.2	58 12.1	cos. m' = 9.974302	cos. m'' = 9.976702
4.5	8.2	2.0	16.4		
		8.2		3.514506	3288 3.516906
15 49.2	132	16.4	57 55.7		
Aug. 5.0	528		7.0		
15 54.2	54.12		57 48.7		
	4.5				

° ' "	° ' "
m' = 19 31 20	89 7 2
Ref. + 2 40	☉'s S. D. + 15 50
	D's S. D. + 15 54
19 34 0	
Px. - 54 48	89 38 46
18 39 12	

Rejecting seconds :—

° ' "	
d = 89 39 0	∴ 14'' is to be subtracted from D = T. Cent. Dist.
s = 54 8 0	} Alts. used in Computation.
m = 18 39 0	

3. cos. θ = $\sqrt{\text{sec. } s \cdot \text{sec. } m \cdot \text{cos. } x \cdot \text{cos. } (x - d) \cdot \text{cos. } m' \cdot \text{cos. } s'}$
x being $\frac{1}{2}(s + m + d)$

Sin. $\frac{D}{2}$ = $\sqrt{\text{sin. } \left(\frac{m' + s'}{2} + \theta\right) \cdot \text{sin. } \left(\frac{m' + s'}{2} - \theta\right)}$

° ' "	
d = 89 39 0	
s = 54 8 0	sec. = .232176
m = 18 39 0	sec. = .023426
162 26 0	
81 13 0	cos. = 9.183834
8 26 0	cos. = 9.995278
54 7 24	cos. = 9.767930
19 31 8	cos. = 9.974296
36 49 16	19.176940
67 11 24	cos. 9.588470
104 0 40	sin. = 9.986884
30 22 8	sin. = 9.703777
	19.690661
44 27 25	sin. 9.845330
2	
88 54 50	
- 14	
88 54 36	
N. A. Dist. 9H. 89 18 32	P. L. 2845
23 56	P. L. 8763
46 4	5918
T. G. M. T. 8 13 56	
T. M. T. at P. 1 8 59	

Longitude 7 5 27 W.
60

4)425 27 0

Longitude 106 21 45 W.