	° ′ ″
m' =	11 25 0
Px.	− 53 31
	10 31 29
Ref.	+ 4 37
	10 36 6

	° ′ ″
d =	95 38 56
☉'s S. D.	+ 15 50
☽'s S. D.	+ 14 57
	96 9 43

Rejecting seconds—

	° ′ ″
d =	96 10 0
s =	23 50 0
m =	10 36 0

∴ 17″ is to be subtracted from D = T. Cent. Dist.

} Alts. used in Computation.

$$\text{Cos. } \theta = \sqrt{\text{sec. } m \text{ . sec. } s \text{ . cos. } x \text{ . cos. } (x-d) \text{ . cos. } m \text{ . cos. } s'}.$$

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

Computation.

	° ′ ″		
d =	96 10 0		
m =	10 36 0	sec. =	·007475
s =	23 50 0	sec. =	·038710
	130 36 0		
	65 18 0	cos. =	9·621038
	30 52 0	cos. =	9·933671
	11 24 54	cos. =	9·991323
	23 47 59	cos. =	9·961402
	17 36 26		19·553619
θ =	53 15 45	cos.	9·776809
	70 52 11	sin.	9·975329
	35 39 19	sin.	9·765602
			19·740931
	47 54 38	sin.	9·870465
	2		
	95 49 16		
	− 17		
	95 48 59		
N. A Dist 12H.	95 40 9	P. L.	3383
	8 50	P. L.	1·3091
T. G. M. T.	12 19 15		9708
T. M. T. at P.	4 39 12		
Longitude	7 40 3 W.		
	60		
	4)460 3 0		
Longitude	115 0 45 W.		

	° ′ ″
Result by Lunar of 15th . . .	115 8 0 W.
„ „ 16th . . .	0 45 W.
	8·45
Longitude of Site of Old Bow Fort	115 4 22 W.

JOHN PALLISER, Capt.,
Commanding N.B. America Exploring Expedition.

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