

PAPERS RELATIVE TO THE

	°	'	"
$m' =$	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—

 $d = 96\ 10\ 0$ ∴ $17''$ is to be subtracted from $D = T.$ Cent. Dist. $s = 23\ 50\ 0$ } Alts. used in Computation. $m = 10\ 36\ 0$ $\text{Cos. } \theta = \sqrt{\sec. m. \sec. s. \cos. x. \cos. (x-d). \cos. m'. \cos. s'}$ $\text{Sin. } \frac{D}{2} = \sqrt{\sin. \left(\frac{m'+s'}{2} + \theta \right). \sin. \left(\frac{m'+s'}{2} - \theta \right)}$

Computation.

	°	'	"
$d =$	96	10	0
$m =$	10	36	0
$s =$	23	50	0

sec. = '007475

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

 $\theta = 53\ 15\ 45$ 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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