

March 4th 1824 in Latitude $40^{\circ} 11' 3''$ Longitude $74^{\circ} 5' W$ at $10^{h} 21^{m} 30^{s}$
 the obs alt of the 33 upper limb was $30^{\circ} 48'$ the obs alt of the
 37-39 and the obs distance between them was $42^{\circ} 50'$
 required the Longitude in

time of obs	$22^h 21^{m} 30^{s}$	2 hor per noon	2 sin D noon
Longitude in terms	$56^{\circ} 20'$	2 hor per midnight	2 sin D night
Sum	$27^h 17^{m} 50^{s}$	$61^{\circ} 5'$	$16^{\circ} 39'$
Subtract	$24^h 17^{m} 50^{s}$	$61^{\circ} 5'$	$16^{\circ} 40'$
remain Greenwich		$61^{\circ} 5'$	$16^{\circ} 40'$

2 obs alt $30^{\circ} 48'$ obs alt $37^{\circ} 39'$ and the obs Dist was $42^{\circ} 50'$
 2 app alt $29^{\circ} 58'$ 2 app alt $37^{\circ} 51'$

since of app Dist	A 8301	Long app Dist	B 9628
cos of app alt	- 2121	cos of app alt	8048
pro log hor par	4335	pro log hor par	4335
	7757		6950

A 112
 B 2610
 2402

Not Having Tools to work with I
 must leave it in this state so good
 bye all