

Y 1000
At the Alt 2 h m

Lunar Observation taken January the 4th Midnight 1839

Sun's Alt.	Moon's Alt.	Distance.
28.37	18.44	123.48.45
18.58	18.23	123.48.45
		15.00
		3.25
		124.23.27
		43.25

Moon's Horizontal Parallax 54.46 add the Cosine of the Moon's Alt
and the Sine of the Corrected distance
to the top of the Moon
Horizontal Separation
add the Cosine of Moon's Alt & the tangent of the corrected distance gives the top of the 2^d Arc

54.46
18.44
123.48.45
15.00
3.25
124.23.27
43.25

123.39.49
124.17.29
122.37.23

20.40
1.23.08
9400
3357
6043

6.44.46
12.25.52

Gives the Longitude 173.32.

Rate of the Richmond Chronometer Oct the 3rd
In 1 hour 58.46 and gaining 12 Seconds per day

Longitude by Sextant is 173.34 East

George W. Sturball

1 hour 58.46 minutes 44.9

Longitude by the
of the sun lower
Limb at sea

Latd. 12.35
127.15
Sub. 21
3) 127.34
63.67
Sub. 21
64.08

G. W. Sturball

Longitude by the setting of the remainder limb

Latd. 12.35
Sub. 21
Sum. 127.34
Sub. 21
106.08

Slow of Greenwich time
by the upper limb

Latd. 12.35
Sub. 21
Sum. 127.34
Sub. 21
Sum. 64.34