

KG
11365
344

013

Transit Observations
1867

KG 11365.344

KG 11365.344



Page 1 Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	1867 June 28	
Transit Instrument, Timekeeper and Observer	J. W.	
Position of Illuminating Lamp	2	
Bar., Therm., and Sky	clear	
Star's Name, N. A., or B. A. C.	Polaris	
Star's Declination	12 ^h 28 ^m	
Timekeeper's rate on ~~time~~ (approx.)		
1st Level Reading	E 43.9 +	W 27.4 32.0 37.0
2d "	31.5	37.2 + 42.0 27.0
3d "	42.0 +	25.0
4th "	29.0	36.5 +
Sums	136.4	126.1
Excesses	9.7	
Multiplier for <i>b</i> in time	L	
West end high in time	L E = b	
1st ~~Transit~~ Reading		
2 "		
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks		

Transit Observations. Station Cambridge Mass.

2 5th issue	W 8 Books	W 2nd Librarian	W &  Barbar
			43.2 28.5 33.3 38.5
2 1 Tally W last Tally Check Chronograph	4 last tallys impaired 2nd in in the first observed tally	last 3 tallys 2nd observed broken	1st tally last Tally check at 5-8 m

Page _____ Form No. 1.

U. S. Coast Survey.

Year, Month, and Day		
Transit Instrument, Timekeeper and Observer .	<i>E</i>	<i>E</i>
Position of Illuminating Lamp		
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.	<i>B Libsae</i>	<i>no, Bötis</i>
Star's Declination		
Timekeeper's rate on _____ time (approx.) .		
1st Level Reading	E W	
2d "	†	†
3d "	†	†
4th "		†
Sums		
Excesses E		
Multiplier for <i>b</i> in time L		
West end high in time $LE = b$		
1st Transit Reading	<i>all uses</i>	<i>all</i>
2 "	<i>and tallys</i>	<i>tallys</i>
3 "	<i>first rate</i>	
4 "		
5 "	<i>lost</i>	
6 "	<i>chron.</i>	
7 "	<i>sun down</i>	
Sums		
Means		
Remarks		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

Page _____

Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	June 28	
Transit Instrument, Timekeeper and Observer	W.	
Position of Illuminating Lamp		
Bar., Therm., and Sky	α Scorpii	
Star's Name, N. A., or B. A. C.		
Star's Declination		
Timekeeper's rate on _____ time (approx.)		
1st Level Reading	E W Check	Check
2d "	16 ^h 24 ^m †	16 ^h 37 ^m
3d "		
4th "	†	
Sums		
Excesses E		
Multiplier for <i>b</i> in time L		
West end high in time $LE = b$		
1st Transit Reading	all wires	
2 "		
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks	Check after Star.	New Sheet.

Transit Observations. Station

[illegible]

Page _____ Form No. 1.

U. S. Coast Survey.

Year, Month, and Day		
Transit Instrument, Timekeeper and Observer .	W. ²	W. ²
Position of Illuminating Lamp		
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.	α Herculis	β Draconis
Star's Declination		
Timekeeper's rate on _____ time (approx.) .		
1st Level Reading	E. W. Check	
2d "		
3d "	16 ^h 54 ^m †	
4th "		†
Sums		
Excesses E		
Multiplier for b in time L		
West end high in time $L E = b$		
1st Transit Reading	3 middle	all wires.
2 "	sets of wires	
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks		

Transit Observations. Station

<i>w</i> ^{<i>d</i>} <i>w Draconis</i>	<i>Davis</i> <i>w</i> <i>y Draconis</i>		<i>June 28</i>
<i>all wires.</i>	<i>a + g lost.</i>		

Saturday

Page Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	Jan 29	5 th ussu
Transit Instrument, Timekeeper and Observer		
Position of Illuminating Lamp	E	E & W
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.		5 th ussu
Star's Declination		
Timekeeper's rate on <u>236</u> time (approx.)	14 ^h 20 ^m 24 ^h E	14 ^h W
1st Level Reading	E 45.9† 32.1	41.5 42.1 W
2d "	36.0 42.1†	49.6 34.3
3d "	81.9† 74.2	91.1 76.4
4th "	27.7 †	14.7
Sums	- 1.92	- 3.67
Excesses E		
Multiplier for <i>b</i> in time L		
West end high in time L E = <i>b</i>		
1st Transit Reading	Chuck	1 st min
2 "	35 ^m 14 ^h	1 st fully E
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks		

June 29 Saturday

Transit Observations. Station

W, Bootis W	α Coronae E	α Serpentis E	ϵ Serpentis E
check at 15 ^h 13 ^m everything	everything	everything	everything

June 29 Saturday 1867

Page Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	5 Wsaction	Upcoming
Transit Instrument, Timekeeper and Observer		2320
Position of Illuminating Lamp	E & W	
Bar., Therm., and Sky		W & E
Star's Name, N. A., or B. A. C.		
Star's Declination		
Timekeeper's rate on <u> </u> time (approx.)		
1st Level Reading	E	W
2d "	†	†
3d "	†	†
4th "		†
Sums		check
Excesses E		16 ^h 10 ^m
Multiplier for <i>b</i> in time L		
West end high in time L E = <i>b</i>		
1st Transit Reading	last tally but	side wire
2 "	on E	& first tally
3 "		W?
4 "	one wire of last	
5 "	tally and W	two last tally
6 "	side wire	~~W~~ E?
7 "		
Sums		new sheet
Means		16 ^h 14 ^m
Remarks		

June 29 Saturday 1867

Transit Observations. Station

	Q	B. Draconis W	Ar Draconis W
	16 ^h 45 ^m		
Sent to Washington 18 ^m	48.2 38.5 42.0 46.0 90.2 84.5 5.7		
Washington didn't get them -	- 1.42 Lp E ?		
Signals again Albany received	After hour also signals check at - 17 ^h 15 ^m	Everything	2 ^d Tally

June 29 Saturday 1867

Page

Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	of d. s. c. m. s. 6 m. s. u.	
Transit Instrument, Timekeeper and Observer	E	
Position of Illuminating Lamp	E & W	
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.		
Star's Declination		
Timekeeper's rate on time (approx.)		
1st Level Reading	E	W
2d "	†	†
3d "	†	†
4th "	†	†
Sums	45.0 46.2	
Excesses E	51.9 39.5	
Multiplier for b in time L	96.9 85.7	
West end high in time $LE = b$	- 2.80	
1st Transit Reading	Lp w?	
2 "	4th tally	
3 "	3 last wires	
4 "	of middle tally	
5 "	& the whole of	
6 "	the 4th tally	
7 "	a	
Sums	4 last wires	
Means	of last tally	
Remarks	west.	

June 29 Saturday 1867

Transit Observations. Station

α Lysae W			α Aquilae W
everything check 18 ^h 56 ^m Chas Sum down	new sheet 18 ^h 42 ^m signals to Washington check 48 ^m	after all signals check 19 ^h 23 ^m	everything

June 29 Saturday 1867

Page

Form No. 1.

U. S. Coast Survey.

Year, Month, and Day	<i>α aquilae</i>	<i>α Cygni</i>
Transit Instrument, Timekeeper and Observer		
Position of Illuminating Lamp	<i>W</i>	<i>E</i>
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.		
Star's Declination		
Timekeeper's rate on time (approx.)		
1st Level Reading	E	W
2d "	<i>47.5</i>	<i>47.5</i>
3d "	<i>54.6</i>	<i>41.0</i>
4th "	<i>102.1</i>	<i>88.5</i>
Sums		
Excesses E	<i>-3.40</i>	
Multiplier for <i>b</i> in time L		
West end high in time $LE = b$		
1st Transit Reading	<i>Everything</i>	<i>Everything</i>
2 "		
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks		

June 29 Saturday 1867

Transit Observations. Station _____

to aquarium E	8 ² usae mag. E L. G.	W 21 ^h 21 ^m	
	47.0 48.1 54.3 40.8 46.0 48.5 55.0 38.9	55.0 37.8 44.5 47.5 54.6 36.5 43.5 46.5	
		cloud 3 ^h 6 ^m A.M. Sunday	
Everything	3 middle tallies Chuck 21 ^h 6 ^m stoped		

Page

Form No. 1.

U. S. Coast Survey.

Year, Month, and Day		
Transit Instrument, Timekeeper and Observer		
Position of Illuminating Lamp		
Bar., Therm., and Sky		
Star's Name, N. A., or B. A. C.		
Star's Declination		
Timekeeper's rate on ----- time (approx.)		
	E	W
1st Level Reading	†	
2d "		†
3d "	†	
4th "		†
Sums		
Excesses E		
Multiplier for b in time L		
West end high in time $LE = b$		
1st Transit Reading		
2 "		
3 "		
4 "		
5 "		
6 "		
7 "		
Sums		
Means		
Remarks		

Transit Observations. Station _____

[illegible]

