Register

of the

Song of

Five [illegible]

Taken every day at 12

o clock —

1792	K. Large Mand:	K. Small	Earnshaw	Arnold	Brockbank	Mitchell	Barrow	Bar.	Ther.	
Oct.	H	H	H	H	H	H	H	In		
3	12.0.0	11.59.20	12.1.45	12.2.12	12.3.29	12	12	29.94	61°	Ship rolled much
4	12	11.59.12	12.1.53	12.2.22	12.3.37	11.58.29	11.59.37	29.65	62	
5	12	11.59.5	12.2.2	12.2.30	12.3.47	12.0.0	12.0.27	29.7	60	
6	12	11.58.57	12.2.10	12.2.35	12.3.57			29.6	60	
7	12	11.59	12.2.19	12.2.44	12.4.07			29.57	60	Ship rolled exceedingly
8	12	11.58.37	12.2.31	12.2.51	12.4.14		12.1.20	29.41	64	Much more steady
9	12	11.58.35	12.2.42	12.3.4	12.4.24			30	63	
10	12	11.58.27	12.2.53	12.3.27	12.4.36			30.13	63	
11	12	11.58.19	12.3.2	12.3.38	12.4.42			30.14	70	
12	12	11.58.12	12.3.15	12.3.54	12.4.58			30.10	70	
13	12	11.58.6	12.3.32	12.4.21	12.5.3			30	70	

Oct	Earns —	R. Large	Diff	R. Small	Diff	Min:	Diff	Brook	Diff	Bar	Ther	Observations
18	1.0.0	12.55.42	4	11.53.7	6.53	1.1.1	1.1	1.7.16	1.14	30.11	73	Smooth water and little motion
19	1.0.0	12.55.28	-14	11.52.48	-19	1.1.3	+2	1.1.14	-4	30.9	72	Same as yesterday
20	1.0.0	12.55.17	-11	11.52.32	-16	1.1.8	+5	1.1.10	-2	30..	70	little Motion growing weather
21	1.0.0	12.55.4	-13	11.52.11	-22	1.1.7	1	1.1.7	-3	29.89	68	
22	8.33	8.32.49	11	8.29.49		8.42.17		8.42.5	2		72	a flitching Motion at anchor
23	1.40	1.35.46	51	1.32.23		1.41.25		1.42.6	1		72	} a good deal of flitching
24	1.15	1.9.29	15	1.7.16		1.16.31	6	1.16.3	3		73	
25	5.8	5.2.12	17	4.58.50		5.9.38	7	5.8.55	5		73	Not much Motion
26	1.28	1.21.59	13	1.18.32	18	1.29.46	6	1.28.52	6	29.96	73	~~to~~ Motion very little
27	1.0.0	12.55.47	12	12.50.14	20	1.1.53	9	1.0.50	2	30.[illegible]	72	very little Motion
28	1.0.0	12.53.35	12	12.49.54	18	1.2.11	7	1.0.48	2	30.17	73	a little more than yesterday
29	1.0.0	12.53.25	10	12.49.34	20	1.2.8	8	1.0.47	1	30.03	72	much the same Motion
30	1.0.0	12.53.11	14	12.49.15	19	1.2.15	7	1.0.45	2	29.96	72	Little Motion
31	1.0.0	12.52.58	13	12.48.53	22	1.2.23	8	1.0.44	1	29.96	76	little Motion
		12.52.45	13	12.48.30	23	1.2.31	8	1.0.41	3	29.95	80	
		12.52.33	11	12.47.31	18	1.2.39	8					
		12.52.31		12.47.09		1.2.32	8			29.91	80	

St Jago coming in Nearly on an even keel
Ditto going away 21..6 . .20-8
Madeira - - - - 21..6 - - 21-1
going away - - by the Stern
d d
Rio - coming in - - - 20..10 21..4
Ditto going away - -

	h Ho.	h Ap.	Am.	Br.	Bar & Th.		Observations
25	2-53	1-32.35	14.25				Portuguese Brig lost 200 men off Rio —
26	2.34	1..20.	14—				
27	2-58	12.45.59	,,12.21				
28	2:47	12.38.57	12..3				
29	3.12	1.0.57	12..3				
30	2.45	12.34.51	,,10.5				
1	2.45	12-9.21					
2	2.30	57 12.[illegible]18	2 32 50				
3	3.2..	12-20.31	2.41 29				
	2.58	12.18.6	2 39 54				
	2.13	11-57.52	2 40 56				
	3.28	12.45.23	2 42 32				

1792 Nov	Bri:	Arn:	Diff	Q Great	Diff	Rm Small	Diff	Bar	The
4	1.0.0	1..2..32		12..50..31		12.46.59		29.92	81
5	1..34	1..36.45	+18	1..25..21	-10	1..20.45	-14	29.92	80
6	1..47	1..49..58	+13	1..32..12	-9	1..33..29	-14	29..93	80
7	2.32	2..35..7	+9	2..22..59	-13	2.18.9	-20	29..93	80
8	1.45	1..48..18	+11	1..35.49	-10	1..31.53	-16	29..97	80
9	1.35	1..38.29	+11	1.25.35	-14	1..20.32	-21	29.96	84
10	1..27	1.30.45	+16	1..17.25	-10	1.12.12	-20	..96	82
11	1..25	1..29.2	+17	1..15.16	-11	1.9.52	-12	..92	83
12	1..22	1.26.19	+17	1..12	-14	1.6.45	-9	91	84
13	1..20	1.24.35	+16	1..9.45	-15	1.4.29	-19	90	84
14	1..28	1.32.53	+18	1..17.33	-12	1.12.6	-20	92	80
15	~~1.39~~	~~1.32.6~~	~~18~~	~~1..24.19~~	~~14~~	~~1.20.45~~	~~-21~~	~~95~~	~~82~~
16	1..24	1..29.14	10	1..13.5	14	1..7.25	20	93	83
17	1..34	1..34.30	14	1..22.57	14	1..17..6	19	97	82
18	1..38	1.43.43	13	1..26.37	14	1.20.43	23	87	82
19	1..48	1.53.36	15	1..34.23	14	1..30.20	23	94	81
20	1..52	1..58..7	11	1..40.4	17	1..35.53	22	97	82
21	1..56	2..2.14	9	1..43.51	15	1..37.35	23	97	82
22	2..2	2.8..22	12	1..49.35	16	1..43.43	22	30..	82

Observations

{Little Motion

The 5th Nov. Arnold was 0..2..30 fast of Greenwich Mean time and had gained 3/4 Seconds p. Day from Portsmouth but was then gaining Nearly 1" each day.

Brookbank on the same day was 1" slow but appeared to be gaining

Pearson had lost Nearly Nine Minutes which is about 1" p. Day since it was set with G. Time and was then losing about that rate.

Pearson Small had lost 13..20 which is about 15" p. Day nearly the rate at which it was given. but seemed to be losing a few seconds more at this time

Sailed the 7th from St. Iago. Praya Bay.

Nov	B.R.	Ar.²	Dif	R.G.	Dif	R.S.	Dif	B.C.	Th.	Observations
23	2.5.	2.11..40	+12	1..52..47	18	1..45..49	24	30..02	82	Tuesday the 18 Dec.r leaving Rio de Janeiro,
24	2.12	2..18..53	13	1..59..00	17	1..52..25	24	30..04	81	Brookbank was fast 1'..26" depression
25	2..18..	2.25..2	9	2..4..44	16	1..58..2	23	30..	81	time. the 5th Nov.r it was 16" slow so that in
26	2..20	2..27..13	11	2..6..27	17	1..59..39	23	29..96	79	48 days it had gained 1'..42" nearly 2½ each day.
27	2.28.	2..35.27	14	2..14..7	20	2..7..17	22	29..95	82	Arnold, during the same period, had gained
28	2..37	2..44..34	7	2..22..48	19	2..15..53	24	29..99	82	10'..19" about 14½ ⅌ Day.
29	2..44	2..51..42	8	2..29..28	20	2..22..29	24	29..79	77	Riardon's Large had lost in the above time
30	2..41	2..48..51	10	2..26..9	19	2..19..5	24	29..66	81	10'..28". pretty near the rate that Arnold had
1	2..40.	2..48..3	19	2..24..51	18	2..17..42	23	29..85	78	gained viz.t 14½ ⅌ Day.
2	2..43	2..51..10	7	2..27..33	18	2..20..14	28	29..97	[illegible]	
3	2..49.	2..57..14	4	2..33..14	19	2..25..46	28	30..02	78	Riardon's Small had lost 14'..24" which
4	2..43.	2..52..21	7	2..24..53	24	2..19..17	24	30..10	76	is about 26" ⅌ Day.
5	2..53.	3..1..25	4	2..36..33	20	2..28..51	26	30..07	74	These corrections were made to the days
6	2..22	2..30..26	12	2..5..10	23	1..57..23	28	30..06	74	of departure from St Jago and from
7	3..32.	3..40..30	4	3..14..47	23	3..6..56	27	30..03	74	Rio de Janeiro by observations taken
8	3..14.	2..22..33	3	2..56..25	22	2..48..26	30	30..	76	at both places
9	1..10	1..18..40	7	12..52..3	22	12..44.	26	29..94	78	

	13	Cor		R 4				Bur	Ther	
10	3.8	3.14.50	10	2.49.42	21	2.42.33		29.82	82	
11	4.16	4.25	10	3.57.20	22	—		29.88	80	
12	12.54	1.4.7	7	12.55	20	—		29.47	76	
13	3.30	3.39.16	9	3.10.38	22	—		29.93	74	
14	3.36	3.45.22	6	3.16.16	22	3.7.57		29.81	80	
15	7.2	7.13.34	12	6.42.52	24	6.36.36	21	29.77	79	
16	3.34	3.43.43	9	3.13.34	18	3.5.20	16	29.80	80	
17	3.6	3.14.55	12	2.45.12	22	2.37	20	29.68	80	
18	3.11	3.22.7	12	2.49.50	22	2.41.34	26	29.54.68	78	
19	2.52	3.2.15	8	2.30.25	25	2.22.12	22	29.96	76	wet 6 125.20
20	2.48	2.57.16	1	2.26	25	2.17.42	30	30.13	72	2 47.7.16 2 47.4
21	2.49	2.59.20	4	2.26.36	24	2.15.14	28	30.13	74	11.44.38 1.10
22	2.47	2.59.24	4	2.24.11	25	2.15.48	29	30.01	72	11.45.50
23	2.56	3.6.25	1	2.32.46	25	2.24.20	28	30.6	74	12.9.49
24	2.38	2.46.27	2	2.14.21	25	2.5.54	26	29.94	72	11.51.7 42
25	2.27	2.37.50	3	2.2.53	28	1.54.28	26	30	78	11.59.43
26	2.13	2.23.27	8	1.48.26	27	1.39.55	33	30.04	70	11.25.50
	1.56	1.6.24	1	1.38.19	27	1.22.30	25	30	68	1.9.54

28	1.41	1.51.24	2	7.15.32	27	1.6.4	26	29.94	69	10.54.44				
29	1.23	1.33.22	2	12.57.5	27	12.48.36	28	29.82	64	70 35.54				
30	1.13	1.24.17	5	12.44.37	28	12.38.3	33	29.37	64	10.25.56				
31	1.1	1.12.9	8	12.34.10	27	12.25.38	35	29.65		10.14.11				

October

3	N. Cloudy	29.74	61°
4	S.W. Cloudy fair	29.65	62
5	N. squally	29.70	60
6	W b S. – rain	29.60	60
7	N.N.E – Moderate	29.57	60
8	N.N.W fair	29.91	66
9	W. cloudy	30.0	68
10	W.N.W. fair	30.13	68
11		30.13	70
12		30.10	70
13		30.0	70
14			71
15			72
16			72
17			72
18	S b W fair	30.11	73
19	S.E – rain	30.09	72
20	E. Small rain	30.0	70
21	N.E – fair	29.87	81
22	S.S.W. gale	29.[illegible]	83
23	Southerly S.[illegible] rain	29.87	84
24	N.W – light breeze	29.90	85
25		29.88	81
26	~~N.E. light air~~	29.8[illegible]	
27	N.E. light airs	29	
28	E.N.E light breeze	29	
29	N.E – Clear		
30	N.E fair		
31	N.E. Hazy		

21°38. 74°

	November	Bar.	Th.	December		Bar.	Th.
1	N.E. Hazy	29.55	80		Lat. Ch.	29.85	78
2	N. Clear	29.91	80			29.57	78
3	Variable	29.91	80			30.02	78
4	Variable	29.92	81			30.10	76
5	Variable	29.92	80			30.07	76
6	Variable fair	29.93	80			30.06	74
7		29.93	80			30.03	74
8	1 Light airs	29.97	80			30.0	76
9	East fresh	29.94	84			29.99	78
10	N.E.	29.96	82			29.82	82
11	E by S fair	29.92	83			29.88	80
12	23°.22'.W	29.91	84			29.87	16
13	22°.33.	29.90	84			29.93	74
14	22.42	29.92	80			29.81	80
15	24°.08	29.93	82			29.77	78
16	24.00	29.93	83			29.80	82
17	24.44	29.87	82			29.68	82
18	26.23	29.57	82			29.68	78
19	27.18	29.94	81		40.44 W	29.96	76
20	29.47	29.97	82		38°.56.W	30.10	72
21	30.55	29.97	82		39.48	30.13	74
	32.14	30.0	82		*40.7	30.01	72
		30.02	82		*39.40	30.16	74
	34.50	30.04	81	31°.38	37.51	29.94	72
	35.59	30.0	81	33.35	34.28	30.0	70
		29.96	79	35.29.S.	31.19	30.06	70
	38.43	29.95	82	36.42	26.50	30.0	68
	38.56	29.90	82	37.02	22.15	29.94	67
	41.22	29.79	77	37.10.S.	17.32 W	29.82	66
	*40.00	29.66	81	37.20	15.15	29.87	6[illegible]
	*46.W			37.7	12.28	29.83	

1	Lat.	[illegible]	29.74	63			
2	36.30.7.43	30.00		58			
3	37.27.S.5.02 W	30.00		62			
4	38.18.S.1.25 W	29.96		66			
5	38.08.1.27	29.87		65			
6	38.07.4.16	29.97		68			
7	[illegible]	29.80		66			
8	38.33.10.24	30.05		68			
9	39.4.12.5	29.92		61			
10	38.50.16.28	30.00		64			
11	39.15.18.34	29.93		68			
12	39.41.24.24	29.87		72			
13	40.6.29.3	29.70		70			
14	39.45.33.20	30.00		62			
15	39.33.35.32	30.10		61			
16	38.56	29.79		67			
17		29.75		64			
18		29.03		60			
19		29.75		57			
20		29.78		59			
21		28.95		60			
22		29.80		58			
23	39.03.60.56	30.09		61			
24	38.50.64.37	30.19		64			
25	38.42.66.57	30.24		66			
26	38.36.69.7	30.24		69			
27	38.56.70.52	30.20		68			
28	38.48.73.36	30.16		68			
29	38.53.74.25	30.18		69			
30	38.38.75.1	30.20		68			
31	38.57.75.45	30.17		68			

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	Lat.	Long.		
1	Lat. 4 [illegible]		30.06	66
2	38.42 S. At St Pauls		29.96	61
3	37.45 S.		29.88	58
4	*35.49.83.9 W		30.09	58
5	34.24.85.17 W		30.24	60
6	33.28.86.33		30.20	64
7	32.12.87.33		30.22	68
8	31.24.88.01		30.18	70
9	37.4.89.38		30.09	70
10	33.18.91.11		29.96	70
11	34.55.92.49		30.00	69
12	34.35.93.32		30.07	68
13	33.53.*94.		30.10	70
14	32.30.96.12		30.11	70
15	30.59.98.33		30.04	68
16	3	100.27	29.99	69
17		101.19	30.10	71
18	23.9	102.42	30.04	73
19	19.55	102.39	29.90	78
20	17.27	102.37	29.85	80
21	15.21	102.39	29.80	81
22	13.16	102.47*	29.8[illegible]	83
23	10.40	103.24	29.87	84
24	8.50	103.41	29.90	85
25	7.05	104.30	29.88	81
26			29.8[illegible]	
29			2[illegible]	
28			2[illegible]	

	March 1793 Bar.	Ther.	Lat. Long.	April 1793 Bar.	Ther.
1	29.88	82			
2	29.83	83		29.85	82
3	29.83	83		29.77	82
4	29.83	83		29.82	82
5	29.84	82		29.83	84
6	29.86	84	Long. of Pulo Sabier	29.84	86
7	29.86	84	reduced to Quitam Point	29.84	84
8	—	83	by an Immersion of	29.85	84
9		83	Jupiter's first Satellite	29.86	85
10	29.79	82	was observed 105°.58′	29.88	85
11		83	Lat. on No. 17	29.88	85
12	29.84	82	of Lat. &	29.84	86
13	29.84	83	Lat. Long	29.84	86
14	29.82	83		29.84	85
15		82		29.84	84
16		82		29.85	84
17		83		29.84	83
18	29.85	84		29.84	84
19	29.82	84		29.84	84
20	29.81	81		29.87	82
21	29.81	81	— — 5.36 105.50	29.86	82
22	—	83		29.84	84
23	—	84		29.79	85
24	—	83		29.82	84
25		82	— — 4°.18′ S. 106.30 E.	29.84	84
26	29.83	82	4.03 S. 106.30.	29.83	84
27	29.79	82		29.76	83
28	29.80	82		29.74	85
29				29.83	82
30				29.80	84
31					

	May 1793 Bar.	Ther.	Lat. Long.	June 1793 Bar.	Ther.
1	29.81	84		29.79	82
2	29.78	84		29.85	84
3	29.79	85		29.85	85
4	29.79	87		29.84	85
5	29.79	86		29.72	86
6	29.80	82		29.7	86
7	29.82	82		29.61	87
8	29.85	84		29.86	87
9	29.83	86		29.70	87
10	Lat. Long. 29.81	86		29.85	86
11	1°.03 N. 105.24	29.80	86	29.81	86
12	— 2°.30 N. 105.88	29.80	86	29.80	86
13	— 4.37 104.45	29.90	86	29.79	86
14	6.42 105.0	29.94	85	29.78	86
15	— 7.44 105.34	29.90	86	29.75	84
16	8.36 106.14	29.83	87	— 16.51 N. 105°.10′	29.72
17	— —		86	17.59	29.71 88
18	— —	29.74	85	19.22	29.71 87
19	— —	29.77	85	21.10	29.71 85
20	12.35 106.35	29.73	83		29.73 85
21	— 13.49 109.27	29.65	86		29.80 84
22		29.69	86		29.81 86
23		29.70	87	22°.4′ 114.5	29.80 86
24		29.70	84	23.°0 117.21	29.72 84
25		29.75	82	26.38 121.40	29.63 82
26		29.71	84	121.30	29.69 80
27		29.74	85	28.30 121.30	29.73 79
28		29.79	86		29.73 79
29		29.83	86		29.66 78
30		29.83	84	28.50 121.55.	29.61 80
31		29.79	85		

	Lat.	Long	B	Th	Remarks
1			74.69	78	
2	29.24	121.52	74	78	
3			64	76	
4			75	76	
5			68	70	
6			72	78	
7			74	79	
8			68	80	
9			53	80	
10	30.05	122.24	73	80	
11	30.58	122.22	73	80	
12	32.15	122.23	76	76	
13			78	76	
14	35.31	121.12	72	78	
15	36.30	120.30	68	78	
16	36.45	120.59	71	79	
17	36.51	121.28	71	78	
18	~~37 [illegible]~~		63	77	
19	37.35	120.35	58	76	
20	37.37	119.3	57	79	
21			57	76	
22			62	78	
23			57	78	
24			45	78	
25			50	85	
26			34	85	
27			34	85	
28			36	84	
29			52	80	
30			62	81	
31			67	84	

	Sept.	Oct.	Nov.	Dec.	Jan.
1	Sunrise	56	52	60. 65	55.
2		54	54	66.	53.
3		56	50	66.	46
4			53	66	53
5			54.	66.	56
6			56	67	61
7			60	68	52
8			58	69. 72	50
9			64	70 72	54
10		48	54	60 72	54
11		52	50	67. 72	50
12	68°	46	60	68	63
13	68	44	60	66.	53
14	68	47	58	58	46
15	66	47	59	58	45
16	64	53	60	52	50
17	66	53	60	52	55
18	70	47	57	53	56
19	67	50	57	56	57
20	65	50	59	56	54
21	60	50	61	55	54
22	54	48	62	54	54
23	60	52	58	60.	52
24	62	53	60	60	54
25	64	54	56	64	62
26	60	46	50	66	60
27	50	52	54	60	58
28	59	54	56	58	~~60~~ 58
29	57	57	58	57	~~62~~ 60
30	57.	55	54. 62	55	~~65~~ 62
31		45		57	65

Feb

1	60°
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3	62
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