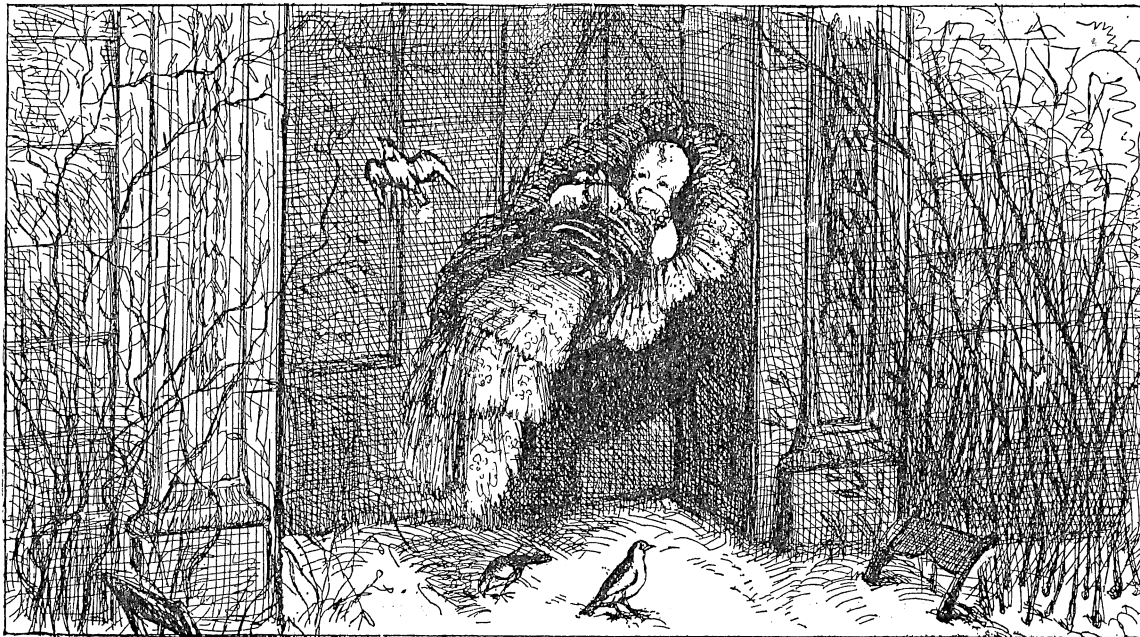




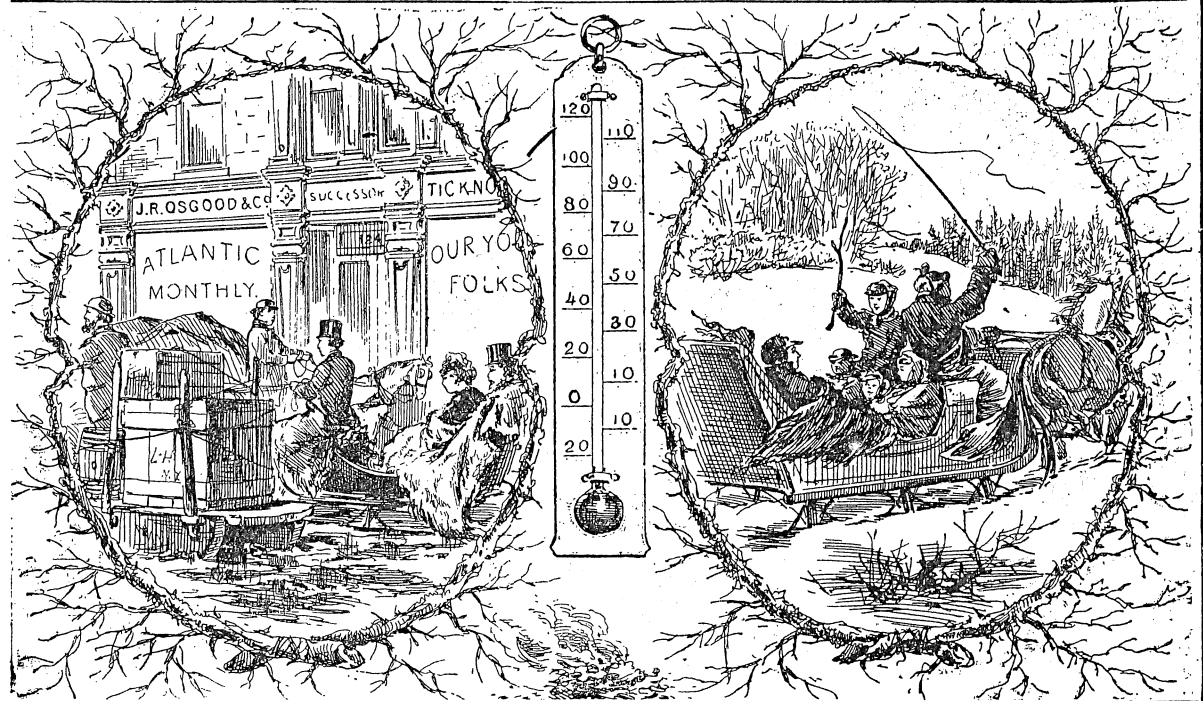
JANUARY.

I Month.]

1873.

[31 Days.

DAY			THE SUN.								THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.		d. h. m.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	☾ FIRST QUARTER	5 4 27 P.M.		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.								☉ FULL	13 11 22 A.M.		
1	1	Wd.	7 30	4 40	7 25	4 44	7 19	4 49	2	7 36	7 41	7 45	7 57	27	52	☾ LAST QUARTER		21 3 30 P.M.	
2	2	Th.	30	40	25	45	19	50	3	8 55	8 58	9 1	9 13	1 18	1 44	☉ NEW MOON		28 0 27 P.M.	
3	3	Fri.	30	41	25	46	19	51	4	10 11	10 13	10 14	10 24	2 11	2 38	WASHINGTON.			
4	4	Sat.	30	42	25	47	19	52	5	11 24	11 24	11 25	11 33	3 7	3 39	Emancipation Day. ☉ ♀ ☾			
5	5	S.	30	43	25	48	19	53	6	morn.	morn.	morn.	morn.	4 10	4 42	☽ Greatest Elong W.			
6	6	Mo.	30	44	25	49	19	54	7	34	33	32	40	5 15	5 46	Epiphany.			
7	7	Tu.	30	45	25	50	19	55	8	1 43	1 41	1 38	1 45	6 17	6 48	7 * South, 8 ^h 29 ^m P.M.			
8	8	Wd.	29	46	25	51	19	56	9	2 51	2 47	2 44	2 50	7 17	7 48	Occultation of τ Tauri 10 ^h 9 ^m P.M.			
9	9	Th.	29	47	24	52	19	57	10	3 58	3 54	3 49	3 54	8 16	8 44				
10	10	Fri.	29	48	24	53	19	58	11	5 4	4 58	4 52	4 56	9 11	9 38				
11	11	Sat.	29	49	24	54	19	4 59	12	6 5	5 59	5 52	5 56	10 3	10 27				
12	12	S.	28	50	24	55	18	5 0	13	7 1	6 54	6 47	6 50	10 48	11 8	☽ sets 8 ^h 27 ^m P.M. 1st S. after Eph.			
13	13	Mo.	28	51	23	56	18	1	14	rises.	rises.	rises.	rises.	11 26	11 44				
14	14	Tu.	28	52	23	57	18	2	15	5 43	5 49	5 54	6 5	—	3				
15	15	Wd.	27	54	23	58	18	3	16	6 45	6 50	6 54	7 4	21	38	Capella north 9 ^h 25 ^m P.M.			
16	16	Th.	27	55	22	4 59	17	5	17	7 47	7 51	7 54	8 3	55	1 12	☉ ♀ ☾			
17	17	Fri.	26	56	22	5 1	17	6	18	8 48	8 51	8 53	9 2	1 32	1 51				
18	18	Sat.	26	57	21	2	16	7	19	9 50	9 51	9 52	10 0	2 11	2 32				
19	19	S.	25	4 58	21	3	16	8	20	10 51	10 51	10 51	10 58	2 53	3 16	2d Sunday after Epiphany.			
20	20	Mo.	25	5 0	20	4	15	9	21	11 54	11 52	11 51	11 58	3 40	4 7				
21	21	Tu.	24	1	20	5	15	10	22	morn.	morn.	morn.	morn.	4 33	4 59	☉ ♂ ☾			
22	22	Wd.	23	2	19	6	14	11	23	59	56	54	1 0	5 26	5 54				
23	23	Th.	23	3	18	7	14	12	24	2 7	2 3	1 59	2 6	6 22	6 51				
24	24	Fri.	22	4	17	9	13	13	25	3 20	3 15	3 9	3 15	7 19	7 48				
25	25	Sat.	21	6	17	10	13	14	26	4 33	4 27	4 20	4 26	8 16	8 45				
26	26	S.	20	7	16	11	12	15	27	5 44	5 37	5 30	5 34	9 12	9 40	3d Sunday after Epiphany.			
27	27	Mo.	19	8	15	12	11	16	28	sets.	sets.	sets.	sets.	10 6	10 32	☉ ♀ ☾			
28	28	Tu.	18	9	14	13	10	17	29	5 5	5 11	5 16	5 19	10 57	11 21				
29	29	Wd.	17	11	13	15	9	18	1	6 26	6 32	6 36	6 48	11 46	—				
30	30	Th.	16	13	12	16	8	20	2	7 49	7 51	7 53	8 4	10	34				
31	31	Fri.	7 15	5 14	7 11	5 17	7 7	5 21	3	9 6	9 7	9 8	9 17	59	1 26	☉ ♀ ☾			



FEBRUARY.

II Month.]

1873.

[28 Days.

DAY			THE SUN.						THE MOON.						HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases. d. h. m.		
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	☾ FIRST QUARTER 4 5 5 A.M.		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	☉ FULL MOON 12 6 33 A.M.		
32	1	Sat.	7 14	5 15	7 10	5 18	7 6	5 22	4	10 20	10 19	10 19	10 27	1 53	2 21	☾ LAST QUARTER 20 6 23 A.M.		
33	2	S.	13	16	9	19	5	23	5	11 32	11 30	11 28	11 35	2 49	3 18	☾ NEW MOON 26 10 22 P.M.		
34	3	Mo.	12	17	8	21	4	24	6	morn.	morn.	morn.	morn.	3 48	4 17			
35	4	Tu.	10	19	7	22	3	25	7	42	39	35	42	4 47	5 17			
36	5	Wd.	9	20	6	23	2	27	8	1 51	1 46	1 42	1 47	5 47	6 19			
37	6	Th.	8	21	5	24	1	28	9	2 57	2 52	2 46	2 50	6 49	7 19	♀ sets 9 ^h 15 ^m P.M.		
38	7	Fri.	7	22	4	26	7	0	29	10	4 0	3 54	3 47	3 51	7 49	8 18		
39	8	Sat.	6	24	3	27	6	59	30	11	4 57	4 50	4 44	4 46	8 46	9 11	Sirius south 9 ^h 22 ^m P.M.	
40	9	S.	5	25	1	28	58	31	12	5 47	5 40	5 33	5 35	9 37	10 1		Septuagesima Sunday.	
41	10	Mo.	3	26	7	0	29	57	32	13	6 29	6 23	6 16	6 18	10 25	10 46		
42	11	Tu.	2	28	6	59	30	56	33	14	rises.	rises.	rises.	rises.	11 5	11 24	♂ ♀	
43	12	Wd.	7 1	29	58	32	55	35	15	5 39	5 43	5 47	5 57	11 43	—			
44	13	Th.	6 59	30	57	33	54	36	16	6 41	6 44	6 46	6 56	2	19			
45	14	Fri.	58	32	55	34	53	37	17	7 43	7 44	7 45	7 54	37	53			
46	15	Sat.	57	33	54	35	51	38	18	8 44	8 44	8 44	8 52	1 10	1 29			
47	16	S.	55	34	52	37	50	39	19	9 46	9 45	9 43	9 51	1 47	2 6		Sexagesima Sunday.	
48	17	Mo.	54	35	52	38	49	40	20	10 49	10 47	10 45	10 51	2 26	2 46			
49	18	Tu.	53	37	50	39	48	41	21	11 55	11 52	11 48	11 54	3 8	3 32		♂ ♂	
50	19	Wd.	51	38	49	40	46	43	22	morn.	morn.	morn.	morn.	3 57	4 23			
51	20	Th.	50	39	47	41	45	44	23	1 4	59	54	1 0	4 50	5 17			
52	21	Fri.	48	40	46	43	44	45	24	2 15	2 9	2 3	2 8	5 46	6 16		♀ Greatest Elong. E.	
53	22	Sat.	47	42	44	44	42	46	25	3 24	3 18	3 11	3 15	6 46	7 17		Washington's Birthday.	
54	23	S.	45	43	43	45	41	47	26	4 29	4 22	4 15	4 19	7 47	8 18		Quinquagesima Sunday.	
55	24	Mo.	44	44	42	46	40	48	27	5 25	5 19	5 12	5 15	8 46	9 15		♂ ♀	
56	25	Tu.	42	45	40	47	38	49	28	6 11	6 6	6 1	6 3	9 41	10 9		Shrove Tuesday.	
57	26	Wd.	41	47	39	49	37	50	29	sets.	sets.	sets.	sets.	10 35	11 1		Ash Wednesday.	
58	27	Th.	39	48	37	50	36	51	1	6 37	6 39	6 40	6 51	11 27	11 52		♂ ♀ 4 ^h 26 ^m A.M.	
59	28	Fri.	6 37	5 49	6 36	5 51	6 34	5 52	2	7 55	7 55	7 55	8 5	—	18			



MARCH.

III Month.]

1873.

[31 Days.

DAY			THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	d. h. m.	
60	1	Sat.	6 35	5 51	6 34	5 52	6 32	5 53	3	9 11	9 9	9 8	9 16	43	1 9		
61	2	S.	34	52	32	53	31	54	4	10 25	10 22	10 19	10 26	1 35	2 1	1st Sunday in Lent.	♂ ♀ ☾
62	3	Mo.	32	53	31	54	29	55	5	11 37	11 33	11 28	11 35	2 26	2 53		
63	4	Tu.	30	54	29	55	28	56	6	morn.	morn.	morn.	morn.	3 20	3 48		
64	5	Wd.	28	55	28	56	27	57	7	46	41	36	41	4 17	4 44		
65	6	Th.	27	57	26	57	25	58	8	1 52	1 46	1 40	1 44	5 15	5 44		
66	7	Fri.	25	58	24	5 59	24	5 59	9	2 53	2 46	2 39	2 42	6 14	6 43	Sirius south, 7 ^h 36 ^m P.M.	
67	8	Sat.	24	5 59	23	6 0	22	6 1	10	3 45	3 38	3 31	3 34	7 13	7 43		
68	9	S.	22	6 0	21	1	21	2	11	4 29	4 23	4 17	4 18	8 13	8 41	2d Sunday in Lent.	♂ ☽ ☾
69	10	Mo.	20	1	19	2	19	3	12	5 6	5 0	4 55	4 56	9 8	9 33		
70	11	Tu.	18	2	18	3	17	4	13	5 37	5 32	5 27	5 28	9 58	10 20	♂ ☽ ☾	
71	12	Wd.	17	4	16	4	16	5	14	6 2	5 59	5 55	5 56	10 42	11 3		
72	13	Th.	15	5	15	5	14	6	15	rises.	rises.	rises.	rises.	11 21	11 40	♀ sets 9 ^h 58 ^m P.M.	
73	14	Fri.	13	6	13	6	13	7	16	6 37	6 37	6 38	6 46	11 58	—	♂ rises 10 ^h 9 ^m P.M.	
74	15	Sat.	12	7	11	7	11	8	17	7 39	7 38	7 37	7 45	16	33	Occultation of γ Virginis 5 ^h 52 ^m A.M.	
75	16	S.	10	8	10	8	10	9	18	8 42	8 40	8 39	8 45	50	1 8	3d Sunday in Lent.	
76	17	Mo.	8	9	8	9	8	10	19	9 48	9 45	9 41	9 48	1 25	1 44		
77	18	Tu.	6	10	6	11	6	10	20	10 56	10 51	10 47	10 52	2 3	2 23	♀ Greatest Elong. E.	
78	19	Wd.	5	12	5	12	5	11	21	morn.	11 59	11 54	11 59	2 44	3 7		
79	20	Th.	3	13	3	13	3	12	22	5	morn.	morn.	morn.	3 30	3 56	Spring begins 7 ^h 52 ^m A.M.	
80	21	Fri.	6 1	14	1	14	2	13	23	1 14	1 7	1 1	1 5	4 22	4 50		
81	22	Sat.	5 59	15 6	0	15 6	0	14	24	2 19	2 12	2 5	2 9	5 18	5 48		
82	23	S.	58	16 5	58	16 5	58	15	25	3 16	3 10	3 3	3 6	6 18	6 50	4th Sunday in Lent.	♂ ☽ ☾
83	24	Mo.	56	17	56	17	57	16	26	4 5	3 59	3 53	3 55	7 22	7 53		
84	25	Tu.	54	18	55	18	55	17	27	4 44	4 39	4 35	4 37	8 23	8 53		
85	26	Wd.	52	19	53	19	54	18	28	5 17	5 14	5 10	5 13	9 23	9 51		
86	27	Th.	51	20	51	20	52	19	29	5 45	5 43	5 42	5 44	10 19	10 45		
87	28	Fri.	49	22	50	21	51	20	0	sets.	sets.	sets.	sets.	11 12	11 37		
88	29	Sat.	47	23	48	22	49	21	1	7 59	7 57	7 55	8 3	—	3	♂ ☽ ☾	
89	30	S.	45	24	46	23	47	22	2	9 14	9 11	9 7	9 17	28	51	5th Sunday in Lent. ♀ Greatest bril.	
90	31	Mo.	5 44	6 25	5 45	6 24	5 46	6 23	3	10 27	10 22	10 18	10 23	1 16	1 40	♂ ☽ ☾	



APRIL.

IV Month.]

1873.

[30 Days.

DAY			THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases. d. h. m.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	☾ FIRST QUARTER	☉ FULL MOON
91	1	Tu.	5 42	6 26	5 43	6 25	5 44	6 24	4	11 38	11 32	11 26	11 30	2 4	2 28		
92	2	Wd.	40	27	41	26	43	25	5	morn.	morn.	morn.	morn.	2 53	3 19		
93	3	Th.	39	28	40	27	41	26	6	43	36	29	33	3 46	4 12		
94	4	Fri.	37	30	38	28	40	27	7	1 39	1 33	1 25	1 28	4 40	5 8	☾ south 8 ^h 44 ^m P.M.	
95	5	Sat.	35	31	36	29	38	28	8	2 28	2 21	2 14	2 16	5 37	6 7		
96	6	S.	33	32	35	30	37	29	9	3 7	3 1	2 55	2 56	6 36	7 6	6th Sunday in Lent — Palm Sunday.	
97	7	Mo.	32	33	33	31	35	30	10	3 40	3 35	3 30	3 30	7 35	8 4	Lady Day. ☉ ☾	
98	8	Tu.	30	34	32	32	34	31	11	4 7	4 3	3 59	4 0	8 31	8 59		
99	9	Wd.	28	35	30	33	32	32	12	4 30	4 27	4 24	4 26	9 24	9 48		
100	10	Th.	27	36	28	34	30	33	13	4 51	4 50	4 48	4 50	10 12	10 33	7 * sets 9 ^h 50 ^m P.M.	
101	11	Fri.	25	37	27	36	29	33	14	5 11	5 11	5 10	5 13	10 54	10 15	Good Friday.	
102	12	Sat.	23	38	25	37	27	34	15	rises.	rises.	rises.	rises.	11 33	11 52		
103	13	S.	22	40	24	38	26	35	16	7 39	7 36	7 33	7 39	—	11	Easter Day. ♀ sets 9 ^h 22 ^m P.M.	
104	14	Mo.	20	41	22	39	24	36	17	8 47	8 43	8 38	8 44	29	47	☉ ☉	
105	15	Tu.	19	42	21	40	23	37	18	9 57	9 52	9 46	9 51	1 5	1 24		
106	16	Wd.	17	43	19	41	22	38	19	11 7	11 0	10 54	10 59	1 43	2 4		
107	17	Th.	15	44	18	42	20	39	20	morn.	morn.	11 59	morn.	2 24	2 46	☾ stationary.	
108	18	Fri.	14	45	16	43	19	40	21	13	6	morn.	3	3 10	3 35		
109	19	Sat.	12	46	15	44	17	41	22	1 13	1 6	59	1 2	4 1	4 30		
110	20	S.	11	47	13	45	16	42	23	2 3	1 57	1 50	1 52	5 0	5 30	Low Sunday. ☉ ☾	
111	21	Mo.	9	48	12	46	15	43	24	2 44	2 39	2 33	2 35	6 1	6 32		
112	22	Tu.	8	50	10	47	13	44	25	3 17	3 13	3 10	3 12	7 3	7 34		
113	23	Wd.	6	51	9	48	12	45	26	3 46	3 43	3 41	3 43	8 6	8 36		
114	24	Th.	5	52	8	49	11	46	27	4 11	4 10	4 9	4 12	9 5	9 34	☉ ☉	
115	25	Fri.	3	53	6	50	9	47	28	4 35	4 36	4 37	4 40	10 2	10 29		
116	26	Sat.	2	54	5	51	8	48	29	sets.	sets.	sets.	sets.	10 56	11 23	♀ sets 8 ^h 11 ^m P.M.	
117	27	S.	5 0	55	3	52	7	49	1	8 4	7 59	7 55	8 2	11 47	—	2d Sunday after Easter.	
118	28	Mo.	4 59	56	2	53	6	50	2	9 17	9 11	9 6	9 11	12	36		
119	29	Tu.	58	57	5 1	54	4	51	3	10 26	10 19	10 13	10 17	59	1 20		
120	30	Wd.	4 56	6 59	4 59	6 55	5 3	6 52	4	11 28	11 21	11 14	11 17	1 42	2 6	7 * set 8 ^h 32 ^m P.M.	



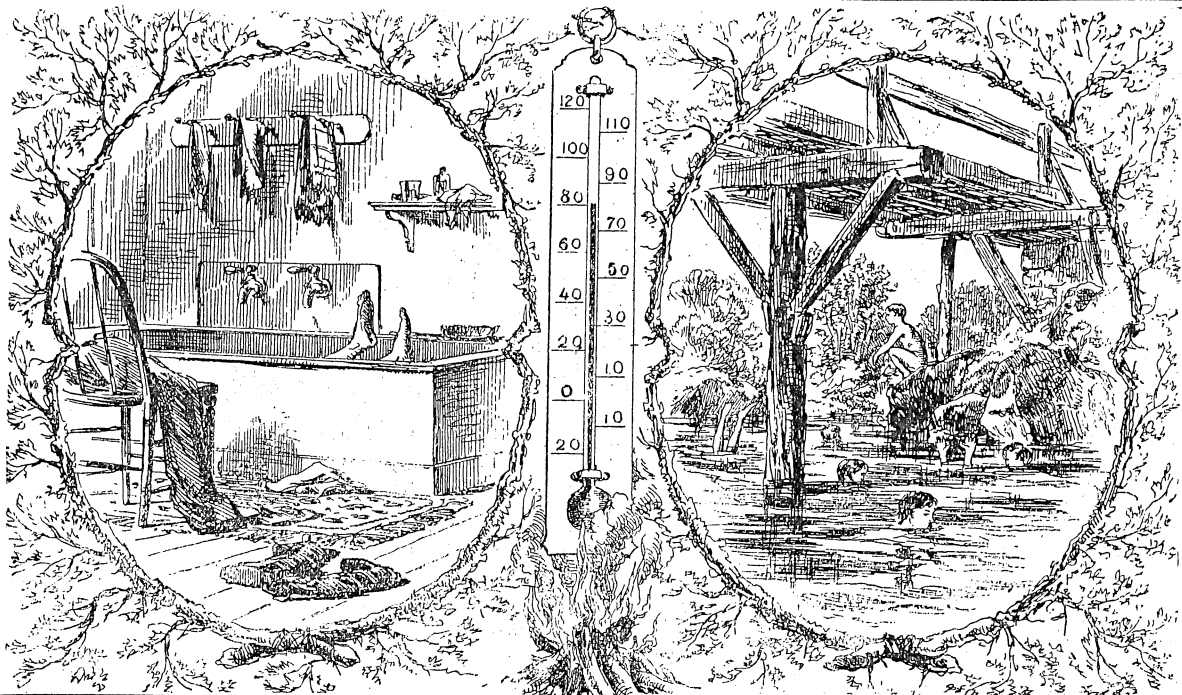
MAY.

V Month.]

1873.

[31 Days.

DAY			THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of New York.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.	d. h. m.
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.		
121	1	Th.	4 55	6 59	4 58	6 56	5 2	6 52	5	morn.	morn.	morn.	morn.	2 30	2 53	☾ FIRST QUARTER	4 7 33 A.M.
122	2	Fri.	53	7 1	57	57	5 1	53	6	21	14	7	9	3 18	3 43	☉ FULL MOON	12 6 18 A.M.
123	3	Sat.	52	2	56	58	4 59	54	7	1 5	59	52	54	4 8	4 34	☾ LAST QUARTER	19 6 0 A.M.
124	4	S.	51	3	54	6 59	58	55	8	1 40	1 35	1 29	1 30	5 1	5 30	☾ NEW MOON	26 4 20 A.M.
125	5	Mo.	49	4	53	7 0	57	56	9	2 9	2 5	2 0	2 2	5 59	6 28	WASHINGTON.	
126	6	Tu.	48	5	52	2	56	57	10	2 34	2 31	2 27	2 28	6 57	7 25	Philip and James.	
127	7	Wd.	47	6	51	3	55	58	11	2 56	2 53	2 51	2 53	7 51	8 18	Sirius sets 9 ^h 0 ^m P.M.	
128	8	Th.	46	7	50	4	54	6 59	12	3 16	3 15	3 14	3 16	8 44	9 9	☿ Greatest Elong. W.	
129	9	Fri.	45	8	49	5	53	7 0	13	3 35	3 36	3 36	3 39	9 33	9 58	P.M. Tide minimum 7.8 feet. 3d	
130	10	Sat.	43	9	47	6	52	1	14	3 56	3 58	3 59	4 3	10 19	10 40	☽ south 10 ^h 51 ^m P.M.	
131	11	S.	42	10	46	7	51	2	15	4 19	4 22	4 25	4 30	11 2	11 22	☽ ☽ ☽	
132	12	Mo.	41	12	45	8	50	3	16	rises.	rises.	rises.	rises.	11 43	—	4th Sunday after Easter.	
133	13	Tu.	40	13	44	9	49	4	17	8 55	8 49	8 43	8 48	3	22		
134	14	Wd.	39	14	43	9	48	5	18	10 5	9 58	9 51	9 56	41	1 2		
135	15	Th.	38	15	42	10	47	6	19	11 8	11 1	10 54	10 57	1 22	1 46	A.M. Tide maximum 11.3 feet.	
136	16	Fri.	37	16	42	11	46	7	20	morn.	11 55	11 49	11 51	2 9	2 33	☽ ☽ ☽	
137	17	Sat.	36	17	41	12	45	7	21	2	morn.	morn.	morn.	2 58	3 24	Arcturus rises 8 ^h 9 ^m P.M.	
138	18	S.	35	18	40	13	44	8	22	45	40	34	36	3 52	4 20	☽ ☽ ☽	
139	19	Mo.	34	19	39	14	44	9	23	1 20	1 16	1 12	1 14	4 49	5 19		
140	20	Tu.	33	20	38	15	43	10	24	1 50	1 47	1 44	1 46	5 50	6 21	☽ south 9 ^h 51 ^m P.M.	
141	21	Wd.	32	21	37	16	42	11	25	2 15	2 14	2 12	2 15	6 52	7 22	Ascension Day.	
142	22	Th.	32	22	36	17	41	12	26	2 39	2 39	2 39	2 42	7 52	8 22		
143	23	Fri.	31	23	36	18	41	13	27	3 2	3 4	3 5	3 10	8 51	9 19		
144	24	Sat.	30	24	35	18	40	13	28	3 28	3 30	3 33	3 39	9 48	10 16		
145	25	S.	29	24	34	19	40	14	29	3 56	4 0	4 4	4 11	10 43	11 8	☉ Eclipsed. 1st Sun. after Ascen.	
146	26	Mo.	28	25	34	20	39	15	0	sets.	sets.	sets.	sets.	11 34	11 58	P.M. Tide maximum 11.4 feet.	
147	27	Tu.	28	26	33	21	38	16	1	9 13	9 6	9 0	9 3	—	22	☿ rises 11 ^h 9 ^m P.M.	
148	28	Wd.	28	27	33	22	38	16	2	10 11	10 4	9 57	10 0	43	1 5		
149	29	Th.	27	28	32	23	37	17	3	10 59	10 53	10 46	10 48	1 26	1 48		
150	30	Fri.	26	29	32	23	37	18	4	11 38	11 32	11 26	11 28	2 10	2 31	Decoration Day.	
151	31	Sat.	4 26	7 30	4 31	7 24	4 36	7 19	5	morn.	morn.	morn.	morn.	2 53	3 17		



JUNE.

VI Month.]

1873.

[30 Days.

DAY			THE SUN.						THE MOON.						HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.		
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	d. h. m.		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	d.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.			
152	1	S.	4 25	7 30	4 31	7 25	4 36	7 19	6	10	5	0	2	3 40	4 5	☾ FIRST QUARTER 3 1 19 A.M.		
153	2	Mo.	25	31	30	26	36	20	7	36	33	29	30	4 29	4 56	☉ FULL MOON 10 5 2 P.M.		
154	3	Tu.	25	32	30	26	35	21	8	59	57	54	55	5 23	5 50	☾ LAST QUARTER 17 10 32 A.M.		
155	4	Wd.	24	32	29	27	35	21	9	1 19	1 18	1 17	1 19	6 17	6 43	☉ NEW MOON 24 4 12 P.M.		
156	5	Th.	24	33	29	28	35	22	10	1 39	1 39	1 39	1 41	7 9	7 34	WASHINGTON.		
157	6	Fri.	23	34	29	28	34	23	11	1 59	2 0	2 1	2 4	7 59	8 25	P.M. tide minimum 8.4 feet. ☉ ☽ ☾		
158	7	Sat.	23	34	29	29	34	23	12	2 21	2 23	2 25	2 30	8 50	9 14	☽ sets 11 ^h 53 ^m P.M. [Whitsunday.		
159	8	S.	23	35	28	29	34	24	13	2 45	2 49	2 52	2 58	9 38	10 1	Antares south 11 ^h 23 ^m P.M.		
160	9	Mo.	23	35	28	30	34	24	14	3 15	3 20	3 25	3 32	10 25	10 48	☉ ☽ ☾		
161	10	Tu.	22	36	28	30	34	25	15	rises.	rises.	rises.	rises.	11 12	11 34	Occultation of α ² Libræ 11 ^h 20 ^m P.M.		
162	11	Wd.	22	36	28	31	34	25	16	8 57	8 50	8 43	8 47	11 57	—	Trinity Sunday.		
163	12	Th.	22	37	28	31	34	26	17	9 56	9 49	9 42	9 45	19	42	Venus' greatest brilliancy.		
164	13	Fri.	22	37	28	32	34	26	18	10 44	10 38	10 32	10 34	1 6	1 31	♀ rises 2 ^h 33 ^m A.M. Barnabas.		
165	14	Sat.	22	38	28	32	34	26	19	11 22	11 18	11 13	11 15	1 57	2 22	A.M. tide maximum 12.0 ft. ☉ ☽ ☾		
166	15	S.	22	38	28	33	34	27	20	11 54	11 50	11 47	11 49	2 48	3 16	☽ rises 9 ^h 52 ^m P.M.		
167	16	Mo.	22	38	28	33	34	27	21	morn.	morn.	morn.	morn.	3 44	4 12	☽ south 8 ^h 7 ^m P.M. 1st Sun. after		
168	17	Tu.	22	39	28	33	34	27	22	20	18	17	19	4 40	5 10	Pole star north 7.31 P.M. [Trinity.		
169	18	Wd.	23	39	28	34	34	28	23	44	44	43	46	5 39	6 9	Spica south 7.33 P.M. Bunker Hill.		
170	19	Th.	23	40	28	34	34	28	24	1 7	1 8	1 9	1 13	6 39	7 9			
171	20	Fri.	23	40	28	34	34	28	25	1 31	1 34	1 36	1 41	7 38	8 8	Areturus south 8.13 P.M.		
172	21	Sat.	23	40	28	34	34	28	26	1 58	2 1	2 5	2 11	8 38	9 7	Summer begins 4.25 A.M.		
173	22	S.	23	40	29	35	35	29	27	2 28	2 33	2 38	2 46	9 35	10 3	♀ rises 2.12 A.M. 2d Sunday after		
174	23	Mo.	24	40	29	35	35	29	28	3 5	3 11	3 17	3 26	10 29	10 55	P.M. tide maximum 11.0 ft. [Trin.		
175	24	Tu.	24	40	29	35	35	29	29	sets.	sets.	sets.	sets.	11 19	11 44	☽ sets 10.36 P.M.		
176	25	Wd.	24	40	30	35	36	29	1	8 53	8 46	8 39	8 41	—	6	☽ south 7.34 P.M.		
177	26	Th.	25	40	30	35	36	29	2	9 35	9 29	9 23	9 24	28	48			
178	27	Fri.	25	40	31	35	36	29	3	10 10	10 5	9 59	10 1	1 11	1 31			
179	28	Sat.	25	40	31	35	37	29	4	10 38	10 34	10 30	10 31	1 52	2 11			
180	29	S.	26	40	31	35	37	29	5	11 2	10 59	10 56	10 57	2 31	2 51			
181	30	Mo.	4 26	7 40	4 32	7 35	4 38	7 29	6	11 23	11 21	11 19	11 21	3 13	3 36	☉ ☽ ☾ 1.18 A.M. 3d Sun. after Trin.		



JULY.

VII Month.]

1873.

[31 Days.

DAY			THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	d.	h. m.
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.									
182	1	Tu.	4 27	7 40	4 32	7 35	4 38	7 29	7	11 43	11 42	11 41	11 44	3 59	4 23	☾ FIRST QUARTER	2 6 10 P.M.
183	2	Wd.	27	40	33	34	39	29	8	morn.	morn.	morn.	morn.	4 49	5 15	☉ FULL MOON	10 1 32 A.M.
184	3	Th.	28	40	33	34	39	29	9	2	3	3	6	5 40	6 4	☾ LAST QUARTER	16 3 58 P.M.
185	4	Fri.	28	40	34	34	40	28	10	22	24	26	30	6 30	6 54	☉ NEW MOON	24 5 32 A.M.
186	5	Sat.	29	39	35	34	40	28	11	45	48	51	56	7 19	7 45	WASHINGTON.	
187	6	S.	29	39	35	33	41	28	12	1 12	1 16	1 20	1 27	8 10	8 37	☾ rises 2.0 A.M.	
188	7	Mo.	30	39	36	33	41	28	13	1 45	1 50	1 56	2 4	9 2	9 30	Spica sets 11.59 P.M.	
189	8	Tu.	31	38	37	33	42	27	14	2 27	2 34	2 41	2 50	9 56	10 20	☉ rises 8.21 P.M. 4th Sun. after Trin.	
190	9	Wd.	32	38	38	32	43	27	15	rises.	rises.	rises.	rises.	10 45	11 9	☾ sets 9.43 P.M.	
191	10	Th.	33	37	38	32	43	27	16	8 36	8 29	8 23	8 26	11 34	11 58	☉ rises 9.51 A.M.	
192	11	Fri.	33	37	39	32	44	26	17	9 19	9 14	9 9	9 11	—	24	Antares south 9.25 P.M.	
193	12	Sat.	34	36	39	31	45	26	18	9 54	9 50	9 47	9 49	50	1 16	☉ south 7.0 P.M.	
194	13	S.	35	36	40	31	45	25	19	10 23	10 21	10 18	10 21	1 42	2 9	Vega south 11.24 P.M.	
195	14	Mo.	36	35	41	30	46	24	20	10 48	10 47	10 46	10 49	2 36	3 2	☉ sets 9.43 P.M.	
196	15	Tu.	36	34	41	30	47	24	21	11 12	11 12	11 13	11 17	3 29	3 58	☉ sets 7.53 P.M.	
197	16	Wd.	37	34	42	29	47	24	22	11 36	11 38	11 40	11 44	4 26	4 56	Regulus sets 9.26 P.M.	
198	17	Th.	38	33	43	28	48	23	23	morn.	morn.	morn.	morn.	5 26	5 55	A.M. tide maximum 12.4 feet.	
199	18	Fri.	39	32	44	28	49	22	24	1	5	8	14	6 24	6 53	5th Sunday after Trinity.	
200	19	Sat.	40	32	45	27	50	22	25	30	35	39	47	7 22	7 51	Spica sets 11.1 P.M.	
201	20	S.	41	31	45	26	51	21	26	1 4	1 10	1 16	1 24	8 20	8 50	☉ rises 7.31 P.M.	
202	21	Mo.	42	30	46	25	51	20	27	1 45	1 52	1 58	2 8	9 20	9 49	☉ sets 11.36 P.M.	
203	22	Tu.	43	29	47	25	52	20	28	2 34	2 41	2 48	2 59	10 16	10 41	6th Sunday after Trinity.	
204	23	Wd.	44	28	48	24	53	19	29	sets.	sets.	sets.	sets.	11 5	11 27	A.M. tide minimum 8.1 feet.	
205	24	Th.	44	28	49	23	54	18	0	8 10	8 4	7 59	8 0	11 48	—	Vega south 10.17 P.M. James.	
206	25	Fri.	45	27	50	22	55	17	1	8 40	8 36	8 31	8 32	9	29	Anne.	
207	26	Sat.	46	26	51	21	56	16	2	9 5	9 2	8 59	9 0	49	1 9	☉ south 11.41 P.M. 7th Sunday	
208	27	S.	47	25	52	20	56	16	3	9 27	9 25	9 23	9 24	1 27	1 46	☉ rises 1.40 A.M. [after Trinity.	
209	28	Mo.	48	23	53	19	57	15	4	9 47	9 46	9 45	9 47	2 6	2 25		
210	29	Tu.	49	22	54	18	58	14	5	10 6	10 6	10 6	10 9	2 45	3 4		
211	30	Wd.	50	21	55	17	4 59	13	6	10 25	10 27	10 28	10 31	3 25	3 46		
212	31	Th.	4 51	7 20	4 56	7 16	5 0	7 12	7	10 46	10 49	10 52	10 56	4 10	4 33	Spica sets 10.7 P.M.	



AUGUST.

VIII Month.]

1873.

[31 Days.

DAY			THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON		Moon's Phases.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	d. h. m.	
213	1	Fri.	4 52	7 19	4 57	7 15	5 17	7 11	8	11 11	11 14	11 18	11 24	4 58	5 22	♂ ♀	5.23 P.M.
214	2	Sat.	53	18	58	14	2	10	9	11 40	11 45	11 50	11 57	5 48	6 13		[Trinity.
215	3	S.	54	17	59	13	3	9	10	morn.	morn.	morn.	morn.	6 39	7 6	♂ sets 8 ^h 17 ^m P.M.	8th Sunday after
216	4	Mo.	55	15	4 59	12	4	8	11	17	23	29	38	7 34	8 1	Vega south 9 ^h 38 ^m P.M.	
217	5	Tu.	57	14	5 0	10	5	6	12	1 5	1 11	1 18	1 29	8 30	8 57	Spica sets 9 ^h 46 ^m P.M.	
218	6	Wd.	58	13	1	9	5	5	13	2 5	2 12	2 19	2 31	9 26	9 53	♂ sets 10 ^h 49 ^m P.M.	
219	7	Th.	4 59	12	2	8	6	4	14	3 12	3 19	3 26	3 39	10 21	10 47	♂ h c	
220	8	Fri.	5 0	10	3	7	7	3	15	rises.	rises.	rises.	rises.	11 15	11 40	P.M. tide maximum 12.3 feet.	
221	9	Sat.	1	9	4	5	8	2	16	8 21	8 19	8 16	8 18	—	6		
222	10	S.	2	8	5	4	9	7 1	17	8 49	8 48	8 46	8 49	32	57	♀ rises 1 ^h 44 ^m A.M.	9th Sunday
223	11	Mo.	3	6	6	3	10	6 59	18	9 14	9 14	9 14	9 18	1 22	1 47		[after Trinity.
224	12	Tu.	4	5	7	1	11	58	19	9 38	9 40	9 41	9 46	2 14	2 39		
225	13	Wd.	5	3	8 7	0	12	57	20	10 4	10 7	10 10	10 15	3 5	3 33		
226	14	Th.	6	2	9 6	59	13	55	21	10 32	10 36	10 41	10 47	4 1	4 29	♂ sets 7 ^h 40 ^m P.M.	
227	15	Fri.	7 7	0	10	58	13	54	22	11 5	11 10	11 16	11 24	4 58	5 28		
228	16	Sat.	8 6	59	11	56	14	53	23	11 43	11 50	11 57	morn.	5 56	6 26	♂ sets 10 ^h 26 ^m P.M.	
229	17	S.	9	57	12	54	15	52	24	morn.	morn.	morn.	6	6 57	7 27	10th Sunday after Trinity.	
230	18	Mo.	10	56	13	53	16	50	25	30	37	44	54	7 57	8 28	♂ ♀ c	
231	19	Tu.	11	54	14	52	17	49	26	1 24	1 31	1 38	1 48	8 58	9 27		
232	20	Wd.	13	53	15	50	18	48	27	2 23	2 30	2 36	2 47	9 54	10 20	A.M. tide minimum 7.9 feet.	
233	21	Th.	14	51	16	49	19	46	28	3 26	3 31	3 37	3 47	10 44	11 7		
234	22	Fri.	15	50	17	47	20	45	29	sets.	sets.	sets.	sets.	11 28	11 47		
235	23	Sat.	16	48	18	46	21	43	1	7 32	7 30	7 27	7 28	—	7		
236	24	S.	17	47	19	44	22	42	2	7 52	7 51	7 49	7 51	25	44	11th Sunday after Trinity.	
237	25	Mo.	18	45	20	43	23	40	3	8 11	8 11	8 11	8 13	1 1	1 17	♀ rises 1 ^h 58 ^m A.M.	
238	26	Tu.	19	43	21	41	24	39	4	8 30	8 31	8 32	8 35	1 35	1 52		
239	27	Wd.	20	42	22	40	24	38	5	8 50	8 52	8 54	8 58	2 10	2 29	♂ sets 6 ^h 55 ^m P.M.	
240	28	Th.	21	40	23	38	25	36	6	9 13	9 16	9 19	9 25	2 49	3 8	♂ sets 10 ^h 1 ^m P.M.	
241	29	Fri.	22	39	24	37	26	34	7	9 39	9 43	9 48	9 55	3 29	3 50		
242	30	Sat.	23	37	25	35	27	33	8	10 11	10 17	10 23	10 31	4 13	4 38	♂ Greatest Elong. W.	
243	31	S.	5 24	6 35	5 26	6 33	5 28	6 31	9	10 53	11 0	11 6	11 16	5 3	5 30	12th Sunday after Trinity.	



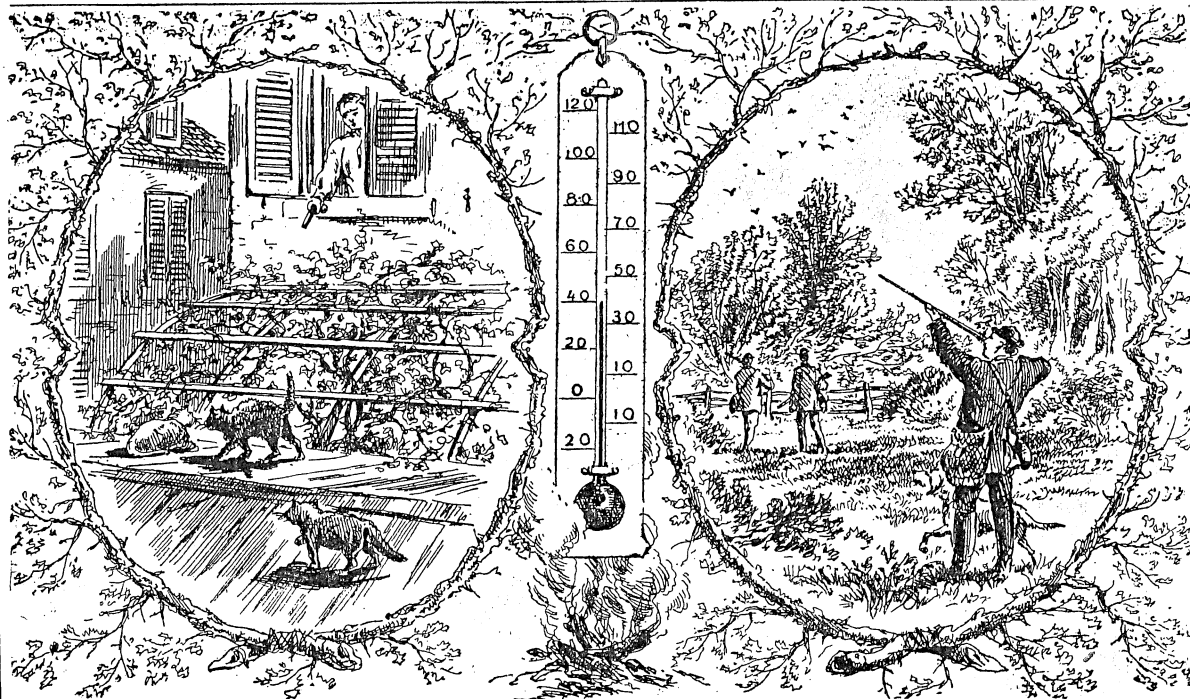
SEPTEMBER.

IX Month.]

1873.

[30 Days.

DAY			THE SUN.						THE MOON.						HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases. ○ FULL MOON ◐ LAST QUARTER ● NEW MOON ◑ FIRST QUARTER	d. h. m. 6 4 9 P.M. 13 10 40 A.M. 21 0 50 P.M. 29 9 54 A.M.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.			
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	d.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.			h. m.
244	1	Mo.	5 25	6 33	5 27	6 32	5 29	6 30	10	11 46	11 53	morn.	morn.	5 57	6 26	☾ h c		
245	2	Tu.	26	32	28	30	30	28	11	morn.	morn.		0	12	6 56		7 25	
246	3	Wd.	27	30	29	28	31	27	12	51	58	1 5	1 18	7 57	8 28	h south 8 ^h 54 ^m P.M. [after Trinity.		
247	4	Th.	28	28	30	27	32	25	13	2 7	2 13	2 19	2 32	8 59	9 29			
248	5	Fri.	29	27	31	25	33	24	14	3 28	3 33	3 38	3 50	9 58	10 27			
249	6	Sat.	30	25	32	24	33	22	15	rises.	rises.	rises.	rises.	10 54	11 20	♀ rises 2 ^h 18 ^m A.M. 13th Sunday		
250	7	S.	32	23	33	22	34	20	16	7 13	7 12	7 12	7 15	11 47	—	7 * rise 8 ^h 59 ^m P.M.		
251	8	Mo.	33	22	34	20	35	19	17	7 38	7 39	7 40	7 44	11	35	P.M. tide maximum 12.0 feet.		
252	9	Tu.	34	20	35	18	36	17	18	8 3	8 6	8 8	8 14	1 0	1 23	14th Sunday after Trinity.		
253	10	Wd.	35	18	36	17	37	16	19	8 31	8 35	8 39	8 45	1 47	2 11			
254	11	Th.	36	16	37	15	38	14	20	9 3	9 8	9 13	9 21	2 35	3 1			
255	12	Fri.	37	14	38	14	39	13	21	9 40	9 47	9 53	10 2	3 28	3 55	☾ ♀ ♀ A. M. tide minimum 7.8 feet.		
256	13	Sat.	38	13	39	12	40	11	22	10 25	10 32	10 39	10 49	4 23	4 53			
257	14	S.	39	11	40	10	41	10	23	11 17	11 24	11 32	11 42	5 24	5 54			
258	15	Mo.	40	9	41	9	41	8	24	morn.	morn.	morn.	morn.	6 27	6 58	☾ ♀ ♀ ♀ rises 2 ^h 40 ^m A.M. 15th Sun. after Trinity. Matthew.		
259	16	Tu.	41	7	42	7	42	6	25	16	22	29	40	7 29	8 0			
260	17	Wd.	42	6	43	5	43	5	26	1 18	1 23	1 29	1 40	8 29	8 57			
261	18	Th.	43	4	44	4	44	3	27	2 21	2 26	2 31	2 41	9 25	9 52	Autumn commences.		
262	19	Fri.	44	2	45	2	45	1	28	3 24	3 28	3 31	3 42	10 16	10 39			
263	20	Sat.	45	0	46	0	46	0	29	4 26	4 28	4 31	4 40	11 1	11 21			
264	21	S.	46	5 59	47	5 59	47	5 58	0	sets.	sets.	sets.	sets.	11 41	11 59	7 * rise 7 ^h 48 ^m P.M. Cyprian.		
265	22	Mo.	47	57	48	57	48	57	1	6 36	6 37	6 37	6 40	—	15			
266	23	Tu.	49	53	49	55	49	55	2	6 55	6 57	6 59	7 3	32	48			
267	24	Wd.	50	52	50	54	50	53	3	7 17	7 20	7 23	7 28	1 5	1 20	☾ ♀ ♀. 16th Sunday after Trinity.		
268	25	Th.	51	52	51	52	50	52	4	7 41	7 46	7 50	7 56	1 36	1 53			
269	26	Fri.	52	48	52	50	51	50	5	8 11	8 17	8 22	8 30	2 11	2 30			
270	27	Sat.	53	48	53	48	52	49	6	8 49	8 55	9 2	9 11	2 49	3 10	Occulta. of τ Sagittarii. Michael.		
271	28	S.	54	46	54	47	53	47	7	9 36	9 43	9 50	10 1	3 33	3 57			
272	29	Mo.	55	45	55	45	54	45	8	10 35	10 42	10 49	11 1	4 23	4 49			
273	30	Tu.	5 56	5 43	5 56	5 43	5 55	5 44	9	11 44	11 50	11 57	morn.	5 21	5 50	☾ h c		



OCTOBER.

X Month.]

1873.

[31 Days.

DAY			THE SUN.								THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of New York.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.			
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	☉ FULL MOON	d. h. m.		
274	1	Wd.	5 57	5 41	5 57	5 42	5 56	5 42	10	morn.	morn.	morn.	9	6 22	6 55	☾ LAST QUARTER	13 1 25 A.M.		
275	2	Th.	5 58	39	5 58	40	5 57	41	11	1 0	1 6	1 11	1 23	7 28	8 0	☽ NEW MOON	21 5 55 A.M.		
276	3	Fri.	6 0	38	5 59	38	5 58	39	12	2 20	2 24	2 28	2 40	8 32	9 4	☾ FIRST QUARTER	23 7 10 P.M.		
277	4	Sat.	1	36	6 0	37	5 59	38	13	3 41	3 43	3 45	3 56	9 35	10 3	WASHINGTON.			
278	5	S.	2	34	1	35	6 0	36	14	5 1	5 2	5 2	5 12	10 31	10 57	h south 7 ^h 10 ^m P.M.			
279	6	Mo.	3	31	2	33	1	34	15	rises.	rises.	rises.	rises.	11 23	11 47	♀ rises 3 ^h 9 ^m A.M.			
280	7	Tu.	4	29	3	32	2	33	16	6 28	6 31	6 34	6 40	—	10	7 * rise 7 ^h 16 ^m P.M.			
281	8	Wd.	5	27	4	30	3	32	17	6 58	7 3	7 8	7 15	32	54	17th Sunday after Trinity.			
282	9	Th.	6	26	5	29	4	30	18	7 34	7 40	7 46	7 55	1 17	1 41	P.M. tide maximum 12.4 feet.			
283	10	Fri.	8	24	6	27	5	29	19	8 17	8 24	8 31	8 41	2 4	2 28				
284	11	Sat.	9	23	7	26	6	27	20	9 8	9 15	9 22	9 33	2 53	3 19	♂ rises 3 ^h 46 ^m A.M.			
285	12	S.	10	21	8	24	7	26	21	10 6	10 12	10 20	10 31	3 46	4 16	18th Sunday after Trinity.			
286	13	Mo.	11	19	9	22	8	24	22	11 8	11 14	11 20	11 31	4 46	5 17				
287	14	Tu.	12	18	10	21	9	23	23	morn.	morn.	morn.	morn.	5 50	6 22	♂ ♀ ♀			
288	15	Wd.	14	16	11	19	10	21	24	11	16	22	32	6 54	7 24	A.M. tide minimum 8.1 feet.			
289	16	Th.	15	15	13	18	11	20	25	1 15	1 19	1 23	1 33	7 54	8 23	♀ rises 3 ^h 35 ^m A.M.			
290	17	Fri.	16	13	14	16	12	18	26	2 17	2 20	2 23	2 32	8 52	9 19	h sets 10 ^h 56 ^m P.M.			
291	18	Sat.	17	11	15	15	13	17	27	3 18	3 20	3 22	3 30	9 44	10 7	Luke.			
292	19	S.	18	10	16	13	14	16	28	4 19	4 20	4 20	4 28	10 29	10 50	♂ ♀ ♀ 19th Sunday after Trinity.			
293	20	Mo.	19	8	17	12	15	14	29	5 21	5 20	5 19	5 26	11 10	11 29				
294	21	Tu.	20	7	18	11	16	13	0	sets.	sets.	sets.	sets.	11 48	—				
295	22	Wd.	22	5	19	9	17	12	1	5 46	5 49	5 53	5 59	5	21	♂ ♀ ♀			
296	23	Th.	23	4	20	8	18	10	2	6 14	6 19	6 24	6 31	36	50				
297	24	Fri.	24	3	21	6	19	9	3	6 49	6 55	7 1	7 10	1 6	1 22	♂ rises 3 ^h 7 ^m A.M.			
298	25	Sat.	25	1	23	5	20	8	4	7 32	7 39	7 46	7 57	1 39	1 57				
299	26	S.	26	5	0	24	4	21	6	5	8 27	8 34	8 41	8 53	2 16	2 36	♂ ♀ ♀ 20th Sunday after Trinity.		
300	27	Mo.	28	4	59	25	2	22	5	6	9 31	9 38	9 45	9 57	2 59	3 25			
301	28	Tu.	29	58	26	1	23	4	7	10 44	10 49	10 55	11 8	3 53	4 20	Simon and Jude.			
302	29	Wd.	30	57	27	5	0	24	3	8	morn.	morn.	morn.	4 50	5 22	♀ rises 4 ^h 5 ^m A.M.			
303	30	Th.	31	56	28	4	59	26	2	9	0	5	9	5 56	6 29	7 * rise 5 ^h 34 ^m P.M.			
304	31	Fri.	6 33	4 54	6 30	4 57	6 27	5 0	10	1 18	1 21	1 24	1 35	7 2	7 35	h sets 10 ^h 0 ^m P.M.			



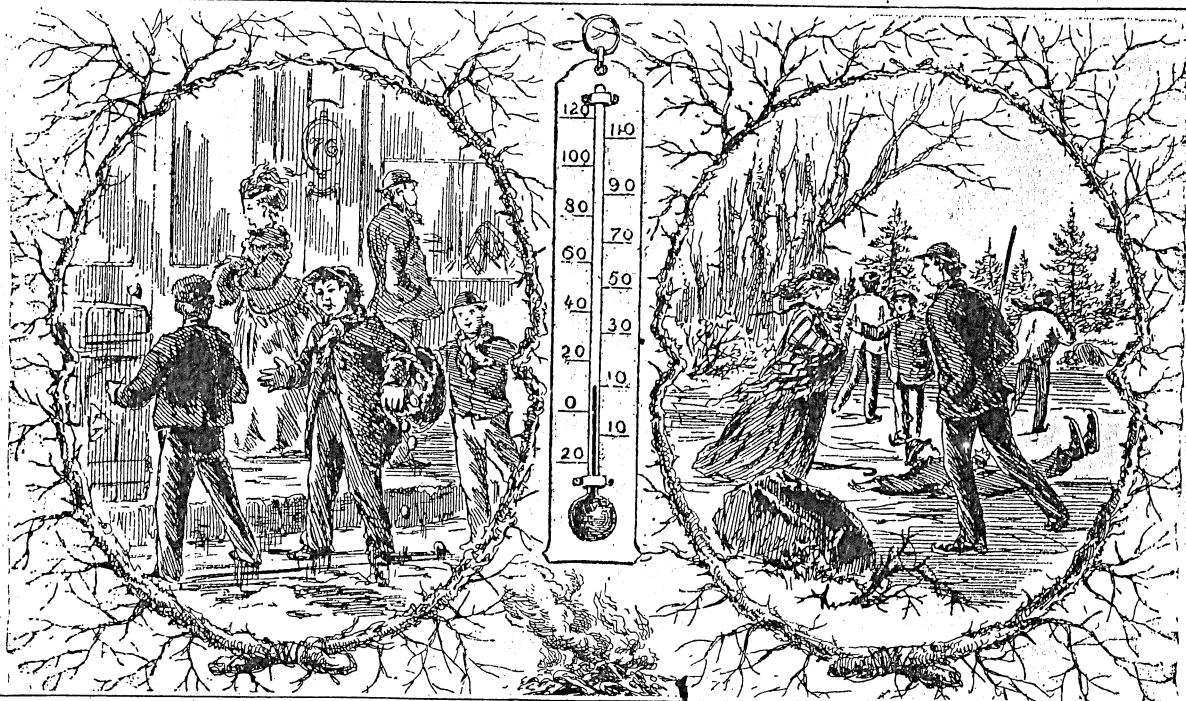
NOVEMBER.

XI Month.]

1873.

[30 Days.

DAY			THE SUN.								THE MOON.					HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON. Age at Noon.	Bos- TON. Sets.	NEW YORK. Sets.	WASH- ING- TON. Sets.	SAN FRAN. Sets.	BOSTON.		Moon's Phases. O FULL MOON Q LAST QUARTER N NEW MOON D FIRST QUARTER	d. h. m. 4 10 48 A.M. 11 7 48 P.M. 19 10 36 P.M. 27 8 13 A.M.	WASHINGTON.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.						A.M.	P.M.				
305	1	Sat.	6 34	4 53	6 31	4 56	6 28	4 59	11	2 35	2 37	2 38	2 48	8 7	8 39				
306	2	S.	35	52	32	55	29	58	12	3 52	3 52	3 52	4 1	9 9	9 37			All Saints.	
307	3	Mo.	36	51	33	54	30	57	13	5 10	5 8	5 7	5 15	10 5	10 31			21st Sunday after Trinity.	
308	4	Tu.	38	49	34	53	31	56	14	rises.	rises.	rises.	rises.	10 56	11 20			Eclipse of the Moon.	
309	5	Wd.	39	48	36	52	32	55	15	5 26	5 32	5 37	5 45	11 44	—			A.M. tide maximum 12.5 feet.	
310	6	Th.	40	47	37	50	33	54	16	6 6	6 13	6 19	6 29		7 28				
311	7	Fri.	41	46	38	49	34	53	17	6 55	7 2	7 9	7 20	51	1 13				
312	8	Sat.	43	45	39	48	36	52	18	7 51	7 58	8 6	8 17	1 35	1 58				
313	9	S.	44	44	41	47	37	51	19	8 53	9 0	9 7	9 18	2 21	2 46			[after Trinity	
314	10	Mo.	45	43	42	46	38	50	20	9 58	10 4	10 9	10 20	3 13	3 41			♀ rises 4 ^h 30 ^m A.M. 22d Sunday	
315	11	Tu.	46	42	43	45	39	49	21	11 3	11 7	11 12	11 22	4 9	4 38			♀ greatest elong. E.	
316	12	Wd.	48	41	44	44	40	48	22	morn.	morn.	morn.	morn.	5 10	5 41			♂ rise 2 ^h 12 ^m A.M.	
317	13	Th.	49	40	45	44	41	48	23	6	9	12	22	6 13	6 42			♂ sets 9 ^h 17 ^m P.M. [8 ^h 47 ^m P.M.	
318	14	Fri.	50	39	46	43	42	47	24	1 7	1 10	1 12	1 20	7 11	7 40			A.M. tide minimum 8.3 feet. ♂ sets	
319	15	Sat.	52	38	47	42	43	46	25	2 8	2 9	2 10	2 18	8 7	8 36			♂ ♀ D	
320	16	S.	53	37	49	41	44	45	26	3 9	3 9	3 9	3 16	9 1	9 26			23d Sunday after Trinity.	
321	17	Mo.	54	36	50	40	45	45	27	4 11	4 10	4 8	4 15	9 49	10 10			♂ ♀ C	
322	18	Tu.	55	35	51	40	47	44	28	5 15	5 12	5 9	5 16	10 30	10 52				
323	19	Wd.	56	35	52	39	48	44	29	6 22	6 18	6 13	6 19	11 11	11 31			Sun eclipsed.	
324	20	Th.	58	34	54	38	49	43	1	sets.	sets.	sets.	sets.	11 47	—			♂ ♂ h	
325	21	Fri.	6 59	33	55	38	50	42	2	5 30	5 36	5 43	5 53	4	19			♂ ♀ C	
326	22	Sat.	7 0	33	56	37	51	42	3	6 21	6 29	6 36	6 47	36	53				
327	23	S.	1	32	57	37	52	41	4	7 24	7 31	7 38	7 50	1 11	1 30			24th Sunday after Trinity.	
328	24	Mo.	2	32	58	36	53	41	5	8 34	8 41	8 47	8 59	1 50	2 11			♂ ♂ C.	
329	25	Tu.	4	31	6 59	36	54	40	6	9 49	9 54	9 59	10 11	2 35	3 2			♂ sets 8 ^h 46 ^m P.M.	
330	26	Wd.	5	31	7 0	36	55	40	7	11 5	11 9	11 12	11 23	3 31	4 0			h sets 8 ^h 27 ^m P.M.	
331	27	Th.	6	30	1	35	56	39	8	morn.	morn.	morn.	morn.	4 31	5 3				
332	28	Fri.	7	30	2	35	57	39	9	20	22	24	34	5 36	6 8			♂ rises 1 ^h 15 ^m A.M.	
333	29	Sat.	8	29	3	34	58	39	10	1 35	1 35	1 36	1 45	6 40	7 11				
334	30	S.	7 9	4 29	7 4	4 34	6 59	4 39	11	2 50	2 49	2 48	2 56	7 42	8 12			1st Sunday in Advent. Andrew.	



DECEMBER.

XII Month.]

1873.

[31 Days.

DAY			THE SUN.						THE MOON.						HIGH TIDE.		PHENOMENA.	
of Year.	of Month.	of Week.	Latitude of BOSTON.		Latitude of NEW YORK.		Latitude of WASHINGTON.		WASH- ING- TON.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.		
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	Age at Noon.	Sets.	Sets.	Sets.	Sets.	A.M.	P.M.	d. h. m.		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.										
335	1	Mo.	7 10	4 29	7 5	4 34	7 0	4 39	12	4 1	3 59	3 56	4 4	8 42	9 10	○ FULL MOON	3 11 20 P.M.	
336	2	Tu.	11	28	6	33	1	38	13	5 22	5 18	5 14	5 20	9 39	10 5	◐ LAST QUARTER	11 4 54 P.M.	
337	3	Wd.	12	28	7	33	2	38	14	6 38	6 33	6 28	6 33	10 31	10 56	● NEW MOON	19 1 49 P.M.	
338	4	Th.	13	28	8	33	3	38	15	rises.	rises.	rises.	rises.	11 21	11 43	◑ FIRST QUARTER	26 11 5 A.M.	
339	5	Fri.	14	28	9	33	4	38	16	5 35	5 42	5 50	6 1	—	5	WASHINGTON.		
340	6	Sat.	15	28	10	33	5	38	17	6 36	6 43	6 50	7 1	26	49	♀ rises 5 ^h 29 ^m A.M.		
341	7	S.	16	28	11	33	6	38	18	7 41	7 47	7 53	8 5	1 10	1 32	A.M. tide maximum 12.1 feet.		
342	8	Mo.	17	28	12	33	7	38	19	8 47	8 52	8 57	9 8	1 54	2 17	♂ sets 8 ^h 46 ^m P.M.		
343	9	Tu.	18	28	13	33	7	38	20	9 52	9 55	9 59	10 9	2 42	3 6	Nicolas.		
344	10	Wd.	19	28	14	33	8	38	21	10 55	10 57	11 0	11 9	3 34	4 2	2d Sunday in Advent.		
345	11	Th.	20	28	15	33	9	39	22	11 56	11 57	11 59	morn.	4 32	5 1	♂ ♀ ♀		
346	12	Fri.	20	28	15	33	10	39	23	morn.	morn.	morn.	7	5 29	5 56	♂ ♀ ♀		
347	13	Sat.	21	29	16	33	10	39	24	56	56	57	1 4	6 23	6 50	♂ ♀ ♀		
348	14	S.	22	29	17	34	11	39	25	1 57	1 56	1 55	2 2	7 16	7 43	[Advent.		
349	15	Mo.	23	29	18	34	12	40	26	3 0	2 58	2 55	3 1	8 9	8 34	♀ rises 5 ^h 56 ^m A.M.	3d Sunday in	
350	16	Tu.	23	29	19	34	13	40	27	4 5	4 2	3 58	4 4	9 1	9 26	♂ sets 8 ^h 47 ^m P.M.		
351	17	Wd.	24	29	19	35	13	40	28	5 13	5 8	5 3	5 9	9 51	10 14	♂ ♀ ♀		
352	18	Th.	25	29	20	35	14	40	29	6 23	6 17	6 11	6 16	10 35	10 54	♂ ♀ ♀		
353	19	Fri.	25	30	20	35	14	41	0	sets.	sets.	sets.	sets.	11 10	11 23	♀ greatest elong. W.		
354	20	Sat.	26	31	21	36	15	41	1	5 12	5 19	5 26	5 39	11 46	—	A.M. tide maximum 11.5 feet.		
355	21	S.	26	31	21	36	15	42	2	6 22	6 28	6 35	6 48	5	26	Winter commences.	4th S. in Adv.	
356	22	Mo.	27	32	21	37	16	42	3	7 38	7 43	7 48	8 1	47	1 8	♂ ♀ ♀		
357	23	Tu.	27	32	22	38	16	43	4	8 55	8 59	9 3	9 14	1 32	1 55	♂ rises 11 ^h 46 ^m P.M.		
358	24	Wd.	28	33	22	38	17	44	5	10 11	10 14	10 16	10 26	2 21	2 48	Christmas Day.		
359	25	Th.	28	33	23	39	17	44	6	11 26	11 26	11 27	11 37	3 16	3 47	Stephen.		
360	26	Fri.	28	34	23	39	18	45	7	morn.	morn.	morn.	morn.	4 19	4 52	John.		
361	27	Sat.	29	35	23	40	18	45	8	39	38	38	46	5 23	5 54	7 * south 9 ^h 10 ^m P.M.	Innocents.	
362	28	S.	29	35	24	41	18	46	9	1 52	1 50	1 48	1 56	6 25	6 55			
363	29	Mo.	29	36	24	42	19	47	10	3 6	3 3	2 59	3 6	7 26	7 56			
364	30	Tu.	29	37	24	42	19	47	11	4 21	4 16	4 11	4 17	8 26	8 54	♀ rises 6 ^h 28 ^m A.M.		
365	31	Wd.	7 30	4 38	7 24	4 43	7 19	4 48	12	5 35	5 29	5 22	4 27	9 22	9 49	♂ rises 8 ^h 47 ^m P.M.		