

P 00065



JANUARY.

[1 Month.]

1872.

[31 Days]

of Year.	of Month.	of Week.	THE SUN.						THE MOON.					HIGH TIDE.		PHENOMENA.	
			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.	Rises.	Rises.	Rises.	Rises.	A.M.	P.M.	d. h. m.	
1	1	Mo.	7 30	4 39	7 25	4 43	7 19	4 48	21	10 15	10 17	10 19	10 25	2 35	2 57	LAST QUARTER	8 4 51 P.M.
2	2	Tu.	30	39	25	44	19	49	22	11 20	11 20	11 21	11 27	3 21	3 49	NEW MOON	10 9 50 A.M.
3	3	Wd.	30	40	25	45	19	50	23	morn.	morn.	morn.	morn.	4 18	4 46	FIRST QUARTER	17 6 4 A.M.
4	4	Th.	30	41	25	46	19	51	24	26	25	25	30	5 16	5 46	FULL MOON	25 0 6 P.M.
5	5	Fri.	30	42	25	47	19	52	25	1 35	1 33	1 31	1 36	6 17	6 46	WASHINGTON.	
6	6	Sat.	30	43	25	48	19	53	26	2 47	2 44	2 41	2 46	7 16	7 46	Emancipation Day.	
7	7	S.	30	44	25	49	19	54	27	4 3	3 58	3 54	3 59	8 16	8 45	P.M. tide minimum 8.6 feet.	
8	8	Mo.	29	45	25	50	19	55	28	5 20	5 15	5 9	5 14	9 15	9 43	Epiphany.	
9	9	Tu.	29	46	24	51	19	56	29	6 35	6 28	6 22	6 27	10 10	10 36	$\odot \varphi \dots \varphi + 1^\circ$	
10	10	Wd.	29	47	24	52	19	57	0	sets.	sets.	sets.	sets.	11 1	11 26	Lucian.	
11	11	Th.	29	48	24	53	19	58	1	6 8	6 13	6 18	6 29	11 50	—	$\odot h \dots h + 2^\circ$	
12	12	Fri.	28	49	24	54	18	4 59	2	7 25	7 29	7 33	7 42	0 12	0 39	A.M. tide maximum 12.6 feet.	
13	13	Sat.	28	50	23	55	18	5 0	3	8 40	8 43	8 46	8 54	1 3	1 29	$\odot \delta \dots \delta + 4^\circ$	
14	14	S.	28	51	23	56	18	1	4	9 52	9 53	9 55	10 2	1 54	2 21	1st Sunday after Epiphany.	
15	15	Mo.	27	53	23	57	18	2	5	11 0	11 1	11 1	11 7	2 49	3 17		
16	16	Tu.	27	54	22	4 58	17	4	6	morn.	morn.	morn.	morn.	3 45	4 16		
17	17	Wd.	26	55	22	5 0	17	5	7	6	5	4	9	4 47	5 17		
18	18	Th.	26	56	21	1	16	6	8	1 10	1 8	1 6	1 4	5 48	6 17	Prisca.	
19	19	Fri.	25	57	21	2	16	7	9	2 13	2 9	2 6	2 11	6 46	7 15		
20	20	Sat.	25	4 59	20	3	15	8	10	3 15	3 10	3 6	3 9	7 44	8 11	2d Sunday after Epiphany.	
21	21	S.	24	5 0	20	4	15	9	11	4 16	4 11	4 5	4 8	8 37	9 2	Agnes. P.M. tide min. 7.8 feet.	
22	22	Mo.	23	1	19	5	14	10	12	5 14	5 8	5 2	5 4	9 28	9 53	Vincent.	
23	23	Tu.	23	2	18	6	14	11	13	6 7	6 0	5 55	5 58	10 14	10 85		
24	24	Wd.	22	3	17	8	13	12	14	6 56	6 49	6 44	6 46	10 55	11 14		
25	25	Th.	21	5	17	9	13	13	15	rises.	rises.	rises.	rises.	11 31	11 47	Conversion of Paul.	
26	26	Fri.	21	6	16	10	12	14	16	6 1	6 6	6 10	6 18	—	0 4		
27	27	Sat.	20	7	15	11	11	15	17	7 4	7 7	7 11	7 13	0 21	0 39	Septuagesima.	
28	28	S.	19	8	14	12	10	16	18	8 8	8 10	8 12	8 19	0 56	1 14		
29	29	Mo.	18	10	14	14	10	17	19	9 12	9 13	9 14	9 20	1 33	1 52		
30	30	Tu.	17	12	13	15	9	19	20	10 17	10 17	10 17	10 22	2 13	2 34		
31	31	Wd.	7 16	5 13	7 12	5 16	7 8	5 20	21	11 23	11 22	11 21	11 26	2 58	3 23		

II Month.] 1872. [29 Days

[illegible]

III Month.] 1872.

1872.

[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. Age at Noon.	BOS- TON. Rises.	NEW YORK. Rises.	WASH- ING- TON. Rises.	SAN FRAN. Rises.	BOSTON.				
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.						A.M.	P.M.			
61	1	Fri.	6 35	5 51	6 34	5 52	6 32	5 53	22	d. morn.	h. m. morn.	h. m. morn.	h. m. morn.	h. m.	h. m.			
62	2	Sat.	34	52	32	53	31	54	23	48	43	38	43	4 23	4 53			
63	3	S.	32	53	31	54	29	55	24	2 0	1 54	1 48	1 53	5 24	5 56			
64	4	Mo.	30	54	29	55	28	56	25	3 8	3 0	2 56	3 1	6 27	6 59			
65	5	Tu.	23	55	28	56	27	57	26	4 10	4 3	3 58	4 1	7 31	8 3			
66	6	Wd.	27	57	26	57	25	58	27	5 2	4 57	4 51	4 56	8 34	9 4			
67	7	Th.	25	58	24	5 59	24	5 59	28	5 45	5 41	5 36	5 41	9 31	9 59			
68	8	Fri.	24	5 59	23	6 0	22	6 1	29	sets.	sets.	sets.	sets.	10 26	10 52			
69	9	Sat.	22	6 0	21	1	21	2	0	6 16	6 17	6 19	6 27	11 17	11 42			
70	10	S.	20	1	19	2	19	3	1	7 28	7 28	7 28	7 34	—	0 6			
71	11	Mo.	18	2	18	3	17	4	2	8 35	8 34	8 34	8 39	0 28	0 51			
72	12	Tu.	17	4	16	4	16	5	3	9 44	9 41	9 39	9 44	1 14	1 37			
73	13	Wd.	15	5	15	5	14	6	4	10 49	10 46	10 43	10 49	2 1	2 24			
74	14	Th.	13	6	13	6	13	7	5	11 54	11 50	11 45	11 49	2 47	3 11			
75	15	Fri.	12	7	11	7	11	8	6	morn.	morn.	morn.	morn.	3 36	4 1			
76	16	Sat.	10	8	10	8	10	9	7	56	50	55	48	4 27	4 54			
77	17	S.	8	9	8	9	8	10	8	1 54	1 47	1 42	1 45	5 21	5 49			
78	18	Mo.	6	10	6	11	6	10	9	2 47	2 39	2 37	2 40	6 16	6 45			
79	19	Tu.	5	12	5	12	5	11	10	3 33	3 26	3 21	3 24	7 12	7 40			
80	20	Wd.	3	13	3	13	3	12	11	4 13	4 8	4 2	4 6	8 7	8 34			
81	21	Th.	6 1	14	1	14	2	13	12	4 48	4 43	4 38	4 42	9 1	9 26			
82	22	Fri.	5 59	15 6	0	15 6	0	14	13	5 18	5 14	5 11	5 15	9 48	10 10			
83	23	Sat.	58	16 5	58	16 5	58	15	14	5 44	5 42	5 39	5 44	10 32	10 52			
84	24	S.	56	17	56	17	57	16	15	rises.	rises.	rises.	rises.	11 12	11 32			
85	25	Mo.	54	18	55	18	55	17	16	7 5	7 4	7 4	7 10	11 52	—			
86	26	Tu.	52	19	53	19	54	18	17	8 14	8 13	8 11	8 15	0 12	0 31			
87	27	Wd.	51	20	51	20	52	19	18	9 26	9 23	9 20	9 25	0 51	1 12			
88	28	Th.	49	22	50	21	51	20	19	10 39	10 35	10 30	10 35	1 33	1 57			
89	29	Fri.	47	23	48	22	49	21	20	11 52	11 47	11 41	11 46	2 20	2 46			
90	30	Sat.	45	24	46	23	47	22	21	morn.	morn.	morn.	morn.	3 11	3 38			
91	31	S.	5 44	6 25	5 45	6 24	5 46	6 23	22	1 55	50	55	4 7	4 36				

Moon's Phases. d. h. m.
 LAST QUARTER 2 3 12 P.M.
 NEW MOON 9 7 43 A.M.
 FIRST QUARTER 16 9 17 P.M.
 FULL MOON 24 8 25 P.M.
 LAST QUARTER 31 9 24 P.M.

WASHINGTON.

David.

Chad.

3d Sunday in Lent.

P.M. tide minimum 7.8 feet.

♂ h. d. . . . h + 3°

♂ ♀ d. . . . ♀ + 4°

Perpetua.

A.M. tide maximum 11.7 feet.

4th Sun. in Lent. ♂ ♂ d. . . . ♂ + 3°

Gregory.

♂ stationary.

Passion Sunday. Patrick.

P.M. tide min. 6.9 ft. ♂ ♀ d. . . . ♀ - 3°

☉ enters ♍, spring commences

Benedict.

Palm Sunday.

Lady Day.

A.M. tide maximum 10.7 feet.

Good Friday.

Easter Day.



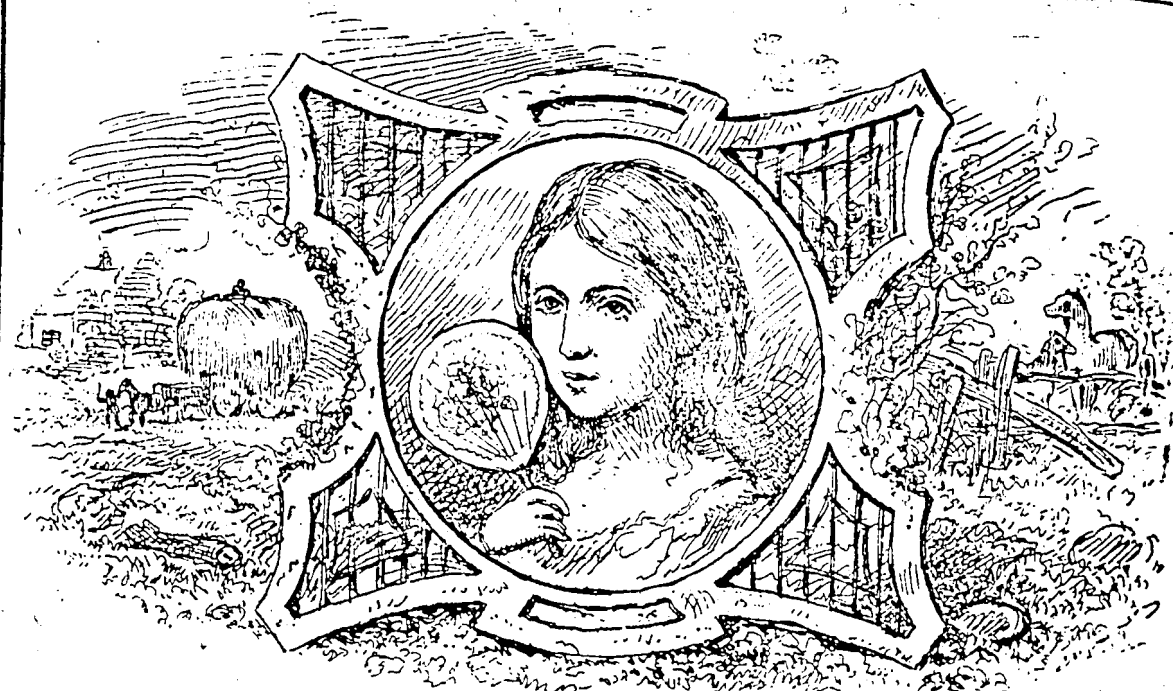
JUNE.

VI Month.]

1872.

[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.	Rises.	Rises.	Rises.	Rises.	A.M.	P.M.	● NEW MOON	5 10 15	
			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.	○ FIRST QUARTER	14 2 11
153	1	Sat.	4 25	7 30	4 31	7 25	4 36	7 19	25	morn.	morn.	morn.	morn.	7 46	8 16	○ FULL MOON	21 1 5	
154	2	S.	25	31	30	26	36	20	26	2 38	2 39	2 41	2 48	8 43	9 12	○ LAST QUARTER	27 4 1	
155	3	Mo.	25	32	30	26	35	21	27	3 3	3 5	3 8	3 16	9 39	10 6	WASHINGTON.		
156	4	Tu.	24	32	29	27	35	21	28	3 30	3 33	3 37	3 46	10 31	10 56	1st Sunday after Trinity.		
157	5	Wd.	24	33	29	28	35	22	29	4 1	4 6	4 12	4 21	11 18	11 40	☿ ☽ . . . ♀ + 0°		
158	6	Th.	23	34	29	28	34	23	1	sets.	sets.	sets.	sets.	—	0	Boniface. ☿ ☽ . . ♂ + 1°		
159	7	Fri.	23	34	29	29	34	23	2	9 16	9 8	9 3	9 7	20	39	5th ☉ eclipsed invisible in Amer.		
160	8	Sat.	23	35	28	29	34	24	3	10 4	9 57	9 52	9 55	58	1 17			
161	9	S.	23	35	28	30	34	24	4	10 45	10 40	10 34	10 37	1 36	1 54	2d Sun. after Trin. ☽ h. c. . . h. —		
162	10	Mo.	22	36	28	30	34	25	5	11 20	11 15	11 10	11 13	2 13	2 32	P.M. tide minimum 8.4 feet.		
163	11	Tu.	22	36	28	31	34	25	6	11 50	11 46	11 42	11 46	2 52	3 14	Barnabas.		
164	12	Wd.	22	37	28	31	34	26	7	morn.	morn.	morn.	morn.	3 35	3 58			
165	13	Th.	22	37	28	32	34	26	8	15	12	9	13	4 22	4 46			
166	14	Fri.	22	38	28	32	34	26	9	38	37	35	40	5 12	5 38			
167	15	Sat.	22	38	28	33	34	27	10	1 1	1 0	1 0	1 6	6 4	6 30			
168	16	S.	22	38	28	33	34	27	11	1 24	1 25	1 25	1 32	6 57	7 24	3d Sun. after Trin. ☿ ☽ . . ♀ —		
169	17	Mo.	22	39	28	33	34	27	12	1 48	1 50	1 53	2 1	7 51	8 17	Bunker Hill.		
170	18	Tu.	23	39	28	34	34	28	13	2 17	2 20	2 23	2 32	8 47	9 13			
171	19	Wd.	23	40	28	34	34	28	14	2 51	2 55	3 0	3 10	9 42	10 10			
172	20	Th.	23	40	28	34	34	28	15	3 33	3 39	3 47	3 57	10 37	11 3	☉ enters ♈. Summer begins		
173	21	Fri.	23	40	29	34	34	28	16	rises.	rises.	rises.	rises.	11 30	11 55	22d ☽ h. c. . . h + 3°		
174	22	Sat.	23	40	29	35	35	29	17	9 33	9 26	9 21	9 26	—	22	A.M. tide highest of the year 12.3		
175	23	S.	24	40	29	35	35	29	18	10 21	10 16	10 11	10 16	49	1 16	4th Sunday after Trinity.		
176	24	Mo.	24	40	29	35	35	29	19	10 59	10 55	10 51	10 56	1 44	2 12	Nativity S. John Baptist.		
177	25	Tu.	24	40	30	35	36	29	20	11 30	11 27	11 25	11 30	2 39	3 6			
178	26	Wd.	25	40	30	35	36	29	21	11 56	11 55	11 54	11 59	3 34	4 2			
179	27	Th.	25	40	31	35	36	29	22	morn.	morn.	morn.	morn.	4 31	4 59			
180	28	Fri.	25	40	31	35	37	29	23	21	21	21	27	5 29	5 58	Peter.		
181	29	Sat.	26	40	31	35	37	29	24	44	45	46	53	6 27	6 56			
182	30	S.	4 26	7 40	4 32	7 35	4 38	7 29	25	1 6	1 9	1 11	1 19	7 24	7 54	5th Sunday after Trinity.		



JULY.

VII Month.]

1872.

[31 Days]

[31 DAY]

- 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.	Rises.	Rises.	Rises.	Rises.	A.M.	P.M.	NEW MOON	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.	h. m.	NEW MOON
183	1	Mo.	4 27	7 40	4 32	7 35	4 38	7 29	26	morn.	morn.	morn.	morn.	8 21	8 49	NEW MOON	5 11 15
184	2	Tu.	27	40	33	34	39	29	27	2 3	2 8	2 12	2 22	9 17	9 45	FIRST QUARTER	13 2 40
185	3	Wd.	28	40	33	34	39	29	28	2 37	2 43	2 49	2 59	10 11	10 36	FULL MOON	20 8 45
186	4	Th.	28	40	34	34	40	28	29	3 17	3 24	3 30	3 40	10 59	11 19	LAST QUARTER	27 2 11
187	5	Fri.	29	39	35	34	40	28	30	sets.	sets.	sets.	sets.	11 38	11 57		
188	6	Sat.	29	39	35	33	41	28	1	8 45	8 38	8 32	8 36	—	0 16	1st Sunday after Trinity.	
189	7	S.	30	39	36	33	41	28	2	9 21	9 16	9 10	9 14	0 35	0 54	2d Sun. after Trin. ☽ h. c. . .	
190	8	Mo.	31	38	37	33	42	27	3	9 51	9 47	9 43	9 47	1 13	1 32	3d Sun. after Trin. ☽ h. c. . .	
191	9	Tu.	32	38	38	32	43	27	4	10 18	10 15	10 12	10 16	1 51	2 10		
192	10	Wd.	33	37	38	32	43	27	5	10 42	10 40	10 38	10 42	2 29	2 48		
193	11	Th.	33	37	39	32	44	26	6	11 4	11 4	11 3	11 8	3 8	3 30		
194	12	Fri.	34	36	39	31	45	26	7	11 27	11 27	11 27	11 33	3 53	4 17		
195	13	Sat.	35	36	40	31	45	25	8	11 50	11 51	11 52	11 59	4 42	5 09		
196	14	S.	36	35	41	30	46	24	9	morn.	morn.	morn.	morn.	5 35	6 1		
197	15	Mo.	36	34	41	30	47	24	10	15	18	20	29	6 28	6 56	7th Sunday after Trinity.	
198	16	Tu.	37	34	42	29	47	24	11	45	49	53	1 3	7 23	7 51	A.M. tide min. 8.7 ft., P.M. 10.8 ft.	
199	17	Wd.	38	33	43	28	48	23	12	1 22	1 27	1 33	1 44	8 21	8 50	8th Swithur.	
200	18	Th.	39	32	44	28	49	22	13	2 8	2 15	2 19	2 33	9 20	9 49		
201	19	Fri.	40	32	45	27	50	22	14	3 8	3 16	3 22	3 34	10 18	10 45		
202	20	Sat.	41	31	45	26	51	21	15	rises.	rises.	rises.	rises.	11 12	11 40	☽ h. c. . . h + 3°	
203	21	S.	42	30	46	25	51	20	16	8 53	8 48	8 44	8 50	—	7	Margaret.	
204	22	Mo.	43	29	47	25	52	20	17	9 28	9 25	9 21	9 27	35	1 2	8th Sunday after Trinity.	
205	23	Tu.	44	28	48	24	53	19	18	9 57	9 56	9 54	9 59	1 28	1 53	Mary Magdalen.	
206	24	Wd.	44	28	49	23	54	18	19	10 23	10 23	10 22	10 28	2 20	2 46	16th, A.M. tide maximum 12.6 ft.	
207	25	Th.	45	27	50	22	55	17	20	10 47	10 48	10 49	10 56	3 13	3 40		
208	26	Fri.	46	26	51	21	56	16	21	11 12	11 13	11 16	11 24	4 8	4 36	James.	
209	27	Sat.	47	25	52	20	56	16	22	11 37	11 40	11 44	11 51	5 5	5 33	Anne.	
210	28	S.	48	23	53	19	57	15	23	morn.	morn.	morn.	morn.	6 2	6 30		
211	29	Mo.	49	22	54	18	58	14	24	38	43	49	59	6 58	7 26	9th Sun. after Trin. ☽ h. c. . .	
212	30	Tu.	50	21	55	17	59	13	25	1 16	1 22	1 28	1 39	7 54	8 22		
213	31	Wd.	4 51	7 20	4 56	7 16	5 0	12	26	2 0	2 8	2 13	2 24	8 50	9 18		



AUGUST.

VIII Month.]

1872.

[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. Age at Noon.	BOS- TON.	NEW YORK.	WASH- ING- TON.	SAN FRAN.	BOSTON.		Moon's Phases.	d. h. m.
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.						A.M.	P.M.		
214	1	Th.	4 52	7 19	4 57	7 15	5 1	7 11	27	morn.	morn.	morn.	morn.	9 45	10 9	● NEW MOON	4 43 A.M.
215	2	Fri.	53	18	58	14	2	10	28	2 52	2 59	3 4	3 15	10 32	10 54	☾ FIRST QUARTER	12 0 44 A.M.
216	3	Sat.	54	17	59	13	3	9	29	3 48	3 54	4 0	4 10	11 17	11 35	☉ FULL MOON	18 3 45 P.M.
217	4	S.	55	15	59	12	4	8	0	sets.	sets.	sets.	sets.	11 55	—	☾ LAST QUARTER	25 3 27 P.M.
218	5	Mo.	57	14	5	0	10	5	6	1	8 22	8 19	8 15	8 19	14	32	WASHINGTON.
219	6	Tu.	58	13	1	9	5	5	2	8 47	8 45	8 41	8 47	50	1 8	Lammas Day. A.M. tide min. 7.7 ft.	
220	7	Wd.	4 59	12	2	8	6	4	3	9 9	9 8	9 7	9 12	1 26	1 43	☾ ☽ . . . ☽ — 2°	
221	8	Th.	5 0	10	3	7	3	3	4	9 31	9 31	9 31	9 36	2 2	2 21	☾ ☽ . . . ☽ — 4°	
222	9	Fri.	1	9	4	5	8	2	5	10 17	10 19	10 22	10 29	2 41	3 2	10th Sun. after Tr. ☾ ☽ ☽ . ☽ —	
223	10	Sat.	2	8	5	4	9	7	1	6	10 44	10 48	10 51	11 0	3 23	3 46	A.M. tide maximum 10.4 feet.
224	11	S.	3	6	6	3	10	6	59	7	11 17	11 22	11 26	11 37	4 11	4 37	Transfiguration.
225	12	Mo.	4	5	7	1	11	58	8	11 58	morn.	morn.	morn.	5 3	5 30	2 21	Name of Jesus.
226	13	Tu.	5	3	8	7	0	12	57	9	morn.	3	9	21	5 58	6 26	WASHINGTON.
227	14	Wd.	6	2	9	6	59	13	55	10	50	57	1 3	1 15	6 56	7 26	Lammas Day.
228	15	Th.	7 7	0	10	58	13	54	11	1 54	2 2	2 7	2 19	7 58	8 28	10th Sunday after Tr.	
229	16	Fri.	8 6	59	11	56	14	53	12	3 8	3 14	3 20	3 32	8 59	9 30	11th Sunday after Tr.	
230	17	Sat.	9	57	12	54	15	52	13	rises.	rises.	rises.	rises.	10 1	10 30	12th Sunday after Tr.	
231	18	S.	10	56	13	53	16	50	14	7 54	7 52	7 49	7 55	10 58	11 25	13th Sunday after Tr.	
232	19	Mo.	11	54	14	52	17	49	15	8 22	8 21	8 20	8 26	11 51	—	14th Sunday after Tr.	
233	20	Tu.	13	53	15	50	18	48	16	8 47	8 48	8 48	8 55	18	43	15th Sunday after Tr.	
234	21	Wd.	14	51	16	49	19	46	17	9 12	9 14	9 15	9 23	1 7	1 30	16th Sunday after Tr.	
235	22	Th.	15	50	17	47	20	45	18	9 38	9 41	9 44	9 52	1 54	2 19	17th Sunday after Tr.	
236	23	Fri.	16	48	18	46	21	43	19	10 6	10 10	10 14	10 23	2 44	3 10	18th Sunday after Tr.	
237	24	Sat.	17	47	19	44	22	42	20	10 37	10 42	10 47	10 57	3 35	4 2	19th Sunday after Tr.	
238	25	S.	18	45	20	43	23	40	21	11 14	11 20	11 26	11 36	4 28	4 54	20th Sunday after Tr.	
239	26	Mo.	19	43	21	41	24	39	22	11 56	morn.	morn.	morn.	5 22	5 51	21st Sunday after Tr.	
240	27	Tu.	20	42	22	40	24	38	23	morn.	4	9	20	6 19	6 48	22nd Sunday after Tr.	
241	28	Wd.	21	40	23	38	25	36	24	46	53	59	1 9	7 16	7 45	23rd Sunday after Tr.	
242	29	Th.	22	39	24	37	26	34	25	1 40	1 47	1 53	2 3	8 15	8 43	24th Sunday after Tr.	
243	30	Fri.	23	37	25	35	27	33	26	2 40	2 45	2 51	3 0	9 11	9 37	25th Sunday after Tr.	
244	31	Sat.	5 24	6 35	5 26	6 33	5 28	6 31	27	3 41	3 46	3 51	3 59	10 2	10 26	26th Sunday after Tr.	



SEPTEMBER.

IX Month.]

1872.

[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.	Rises.	Rises.	Rises.	Rises.	A.M.	P.M.	● NEW MOON	○ FIRST QUARTER	☾ FULL MOON
245	1	S.	5 25	6 33	5 27	6 32	5 29	6 30	28	3 41	3 46	3 50	3 59	10 48	11 8	14th Sunday after Trinity. Giles.	☽ 9 4 . . . ☽ - 4°
246	2	Mo.	26	32	28	30	30	28	29	sels.	sels.	sels.	sels.	11 28	11 48		
247	3	Tu.	27	30	29	28	31	27	1	7 14	7 13	7 11	7 16	—	6		
248	4	Wd.	28	28	30	27	32	25	2	7 32	7 32	7 32	7 38	23	41		
249	5	Th.	29	27	31	25	33	24	3	7 58	7 59	7 59	8 6	58	1 17		
250	6	Fri.	30	25	32	24	33	22	4	8 21	8 23	8 25	8 33	1 34	1 52		
251	7	Sat.	32	23	33	22	34	20	5	8 46	8 50	8 53	9 2	2 13	2 32	Enurachus.	
252	8	S.	33	22	34	20	35	19	6	9 17	9 21	9 26	9 35	2 54	3 16	15th Sun. after Trin. Nat. of Mary	
253	9	Mo.	34	20	35	18	36	17	7	9 54	9 59	10 5	10 16	3 39	4 3		
254	10	Tu.	35	18	36	17	37	16	8	10 40	10 47	10 53	11 5	4 30	4 58		
255	11	Wd.	36	16	37	15	38	14	9	11 37	11 46	11 51	morn.	5 27	6 57	A.M. tide minimum 8.3 feet.	
256	12	Th.	37	14	38	14	39	13	10	morn.	morn.	morn.	3	6 28	7 1	☽ h 4 . . . h + 3°	
257	13	Fri.	38	13	39	12	40	11	11	45	52	58	1 10	7 34	8 6		
258	14	Sat.	39	11	40	10	41	10	12	2 1	2 6	2 12	2 23	8 40	9 12	Holy Cross Day.	
259	15	S.	40	9	41	9	41	8	13	3 21	3 25	3 28	3 39	9 43	10 12	16th Sunday after Trinity.	
260	16	Mo.	41	7	42	7	42	6	14	4 40	4 42	4 45	4 54	10 40	11 6		
261	17	Tu.	42	6	43	5	43	5	15	rises.	rises.	rises.	rises.	11 31	11 57	Lambert.	
262	18	Wd.	43	4	44	4	44	3	16	7 11	7 12	7 13	7 20	—	20	P.M. tide max. 11.7 ft. h stationary.	
263	19	Th.	44	2	45	2	45	1	17	7 36	7 39	7 41	7 49	43	1 5		
264	20	Fri.	45	6	46	6	46	0	18	8 4	8 7	8 11	8 20	1 27	1 50		
265	21	Sat.	46	5	47	5	47	5	19	8 34	8 39	8 44	8 53	2 12	2 34	Matthew. ☽ 9 4 . . . ☽ + 1°	
266	22	S.	47	57	48	57	48	57	20	9 9	9 15	9 21	9 31	2 57	3 20	17th Sun. after Trin. ☉ enters	
267	23	Mo.	49	53	49	55	49	55	21	9 50	9 58	10 3	10 14	3 45	4 11	[Autumn begins]	
268	24	Tu.	50	52	50	54	50	53	22	11 31	11 39	11 44	11 54	4 38	5 6		
269	25	Wd.	51	52	51	52	50	52	23	morn.	morn.	morn.	morn.	5 34	6 3		
270	26	Th.	52	48	52	50	51	50	24	29	35	41	51	6 33	7 2	Cyprian.	
271	27	Fri.	53	48	53	48	52	49	25	1 29	1 34	1 39	1 48	7 33	8 2	A.M. tide minimum 7.6 feet.	
272	28	Sat.	54	46	54	47	53	47	26	2 33	2 36	2 40	2 49	8 30	8 59	☽ 4 4 . . . ☽ - 4° ☽ 9 4 . . . ☽ + 1°	
273	29	S.	55	45	55	45	54	45	27	3 36	3 39	3 42	3 49	9 26	9 51	18th Sun. after Trin. Michael.	
274	30	Mo.	5 56	5 43	5 56	5 43	5 55	5 44	28	4 40	4 41	4 43	4 49	10 15	10 37	Terom.	



OCTOBER.

X Month.]

1872.

[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.	Rises.	Sets.	Rises.	Sets.	A.M.	P.M.		
275	1	Tu.	5 57	5 41	5 57	5 42	5 56	5 42	29	4 40	4 41	4 43	4 49	10 58	11 17	NEW MOON	2 10 22 A.M.
276	2	Wd.	5 58	39	58	40	57	41	0	sets.	sets.	sets.	sets.	11 36	11 55	FIRST QUARTER	9 3 56 P.M.
277	3	Th.	6 0	38	5 59	38	58	39	1	6 25	6 26	6 28	6 36	—	13	FULL MOON	16 10 26 A.M.
278	4	Fri.	1	36	6 0	37	5 59	38	2	6 50	6 53	6 56	7 4	0 30	0 47	LAST QUARTER	24 3 45 A.M.
279	5	Sat.	2	34	1	35	6 0	36	3	7 19	7 23	7 27	7 36	1 5	1 23		
280	6	S.	3	31	2	33	1	34	4	7 53	7 58	8 4	8 15	1 42	2 1	Remigius.	
281	7	Mo.	4	29	3	32	2	33	5	8 36	8 43	8 49	9 0	2 22	2 44	☾ ☽ . . . ☽ - 3°	
282	8	Tu.	5	27	4	30	3	32	6	9 28	9 36	9 43	9 55	3 8	3 34	P.M. tide maximum 10.8 feet.	
283	9	Wd.	6	26	5	29	4	30	7	10 33	10 41	10 46	10 58	4 2	4 31	19th Sunday after Trinity. Faith.	
284	10	Th.	8	24	6	27	5	29	8	11 45	11 50	11 56	morn.	5 2	5 35	Denys. ☽ ☾ . . . ☽ + 4°	
285	11	Fri.	9	23	7	26	6	27	9	morn.	morn.	morn.	morn.	6 7	6 41	A.M. tide minimum 8.3 feet.	
286	12	Sat.	10	21	8	24	7	26	10	1 1	1 5	1 9	1 20	7 15	7 48		
287	13	S.	11	19	9	22	8	24	11	2 17	2 21	2 24	2 33	8 20	8 52	20th Sunday after Trinity.	
288	14	Mo.	12	18	10	21	9	23	12	3 33	3 35	3 37	3 45	9 22	9 52		
289	15	Tu.	14	16	11	19	10	21	13	4 47	4 48	4 47	4 55	10 19	10 45		
290	16	Wd.	15	15	13	18	11	20	14	rises.	rises.	rises.	rises.	11 10	11 33	Etheldred. Tide max. 11.7 ft.	
291	17	Th.	16	13	14	16	12	18	15	6 2	6 5	6 8	6 16	11 55	—	Luke.	
292	18	Fri.	17	11	15	15	13	17	16	6 31	6 35	6 39	6 48	0 16	36		
293	19	Sat.	18	10	16	13	14	16	17	7 4	7 9	7 14	7 25	56	1 17	21st Sunday after Trinity.	
294	20	S.	19	8	17	12	15	14	18	7 43	7 50	7 55	8 6	1 37	1 58		
295	21	Mo.	20	7	18	11	16	13	19	8 28	8 37	8 41	8 52	2 20	2 41		
296	22	Tu.	22	5	19	9	17	12	20	9 21	9 28	9 33	9 44	3 4	3 28		
297	23	Wd.	23	4	20	8	18	10	21	10 16	10 23	10 29	10 39	3 54	4 21		
298	24	Th.	24	3	21	6	19	9	22	11 17	11 22	11 28	11 37	4 49	5 19		
299	25	Fri.	25	1	23	5	20	8	23	morn.	morn.	morn.	morn.	5 48	6 18	Crispin.	
300	26	Sat.	26	5	24	4	21	6	24	19	23	27	36	6 47	7 16	A.M. tide min. 7.7 ft. ☽ ☽ . . . ☽ - 5°	
301	27	S.	28	4	25	2	22	5	25	1 22	1 25	1 28	1 36	7 44	8 12	22d Sun. after Tr. ☽ ☽ . . . ☽ - 1°	
302	28	Mo.	29	58	26	1	23	4	26	2 25	2 27	2 29	2 36	8 40	9 6	Simon and Jude.	
303	29	Tu.	30	57	27	5	24	3	27	3 29	3 29	3 30	3 37	9 30	9 54		
304	30	Wd.	31	56	28	4	25	2	28	4 34	4 33	4 33	4 38	10 16	10 39		
305	31	Th.	6 33	4 54	6 30	4 57	6 27	5 0	29	4 41	4 40	4 38	4 42	10 59	11 19		



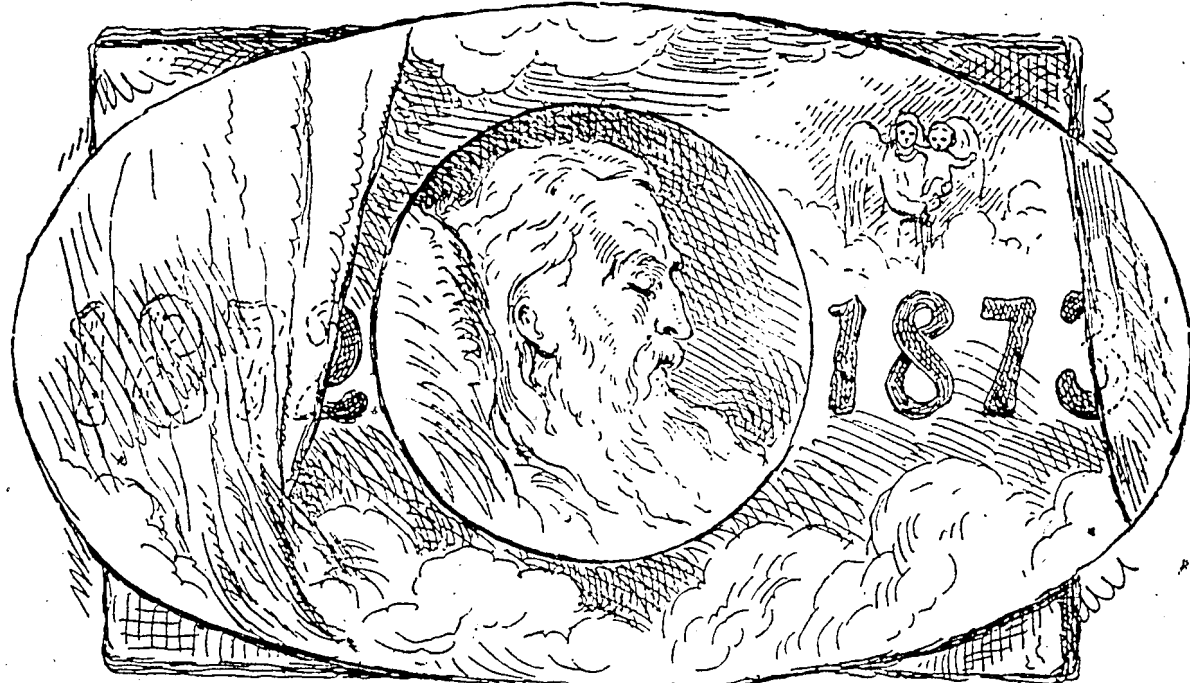
NOVEMBER.

XI Month.]

1872.

[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.	Rises.	Sets.	Rises.	Sets.	A.M.	P.M.		
306	1	Fri.	6 34	4 53	6 31	4 56	6 28	4 59	0	sets.	sets.	sets.	sets.	11 39	11 58	All Saints.	
307	2	Sat.	35	52	32	55	29	58	1	5 52	5 57	6 2	6 13	—	16		
308	3	S.	36	51	33	54	30	57	2	6 33	6 39	6 45	6 57	35	53	23d S. after T. P.M. tide max. 11.5 ft.	
309	4	Mo.	38	49	34	53	31	56	3	7 25	7 33	7 37	7 52	1 14	1 35	3d ☽ ☽ . . . ☽ - 25'	
310	5	Tu.	39	48	36	52	32	55	4	8 25	8 34	8 38	8 51	1 57	2 19	☽ ☽ . . . ☽ + 4°	
311	6	Wd.	40	47	37	50	33	54	5	9 35	9 41	9 47	9 59	2 45	3 11	Leonard.	
312	7	Th.	41	46	38	49	34	53	6	10 49	10 54	11 0	11 10	3 41	4 12		
313	8	Fri.	43	45	39	48	36	52	7	morn.	morn.	morn.	morn.	4 44	5 18	A.M. tide minimum 8.9 feet.	
314	9	Sat.	44	44	41	47	37	51	8	5	8	12	22	5 51	6 26		
315	10	S.	45	43	42	46	38	50	9	1 20	1 22	1 25	1 33	6 59	7 31	24th Sunday after Trinity.	
316	11	Mo.	46	42	43	45	39	49	10	2 32	2 32	2 34	2 41	8 1	8 33	Martin.	
317	12	Tu.	48	41	44	44	40	48	11	3 40	3 39	3 39	3 45	9 2	9 30		
318	13	Wd.	49	40	45	44	41	48	12	4 53	4 51	4 49	4 54	9 58	10 22	Britius.	
319	14	Th.	50	39	46	43	42	47	13	6 3	6 0	5 57	6 2	10 46	11 10	ECLIPSE OF MOON.	
320	15	Fri.	52	38	47	42	43	46	14	rises.	rises.	rises.	rises.	11 32	11 52	Machutus.	
321	16	Sat.	53	37	49	41	44	45	15	5 36	5 42	5 48	5 59	—	11	Tide maximum 11.2 feet.	
322	17	S.	54	36	50	40	45	45	16	6 49	6 27	6 32	6 43	29	47	25th Sun. after Trin. Hugh of L.	
323	18	Mo.	55	35	51	40	47	44	17	7 8	7 17	7 22	7 33	1 7	1 25		
324	19	Tu.	56	35	52	39	48	44	18	8 4	8 11	8 17	8 27	1 45	2 4		
325	20	Wd.	58	34	54	38	49	43	19	9 3	9 9	9 15	9 25	2 27	2 49		
326	21	Th.	6 59	33	55	38	50	42	20	10 5	10 10	10 15	10 24	3 13	3 39		
327	22	Fri.	7 0	33	56	37	51	42	21	11 7	11 11	11 14	11 23	4 6	4 33	Cecilia. ☽ ☽ . . . ☽ - 5°	
328	23	Sat.	1	32	57	37	52	41	22	morn.	morn.	morn.	morn.	5 2	5 31	Clement. A.M. tide min. 8.0 ft.	
329	24	S.	2	32	58	36	53	41	23	10	12	15	22	5 58	6 26	26th Sunday after Trinity.	
330	25	Mo.	4	31	6 59	36	54	40	24	1 12	1 13	1 15	1 21	6 54	7 22	Catherine. ☽ ☽ . . . ☽ - 3°	
331	26	Tu.	5	31	7 0	36	55	40	25	2 16	2 16	2 16	2 22	7 49	8 16		
332	27	Wd.	6	30	1	35	56	39	26	3 20	3 19	3 17	3 23	8 41	9 8		
333	28	Th.	7	30	2	35	57	39	27	4 30	4 27	4 25	4 30	9 33	9 57		
334	29	Fri.	8	29	3	34	58	39	28	5 42	5 38	5 34	5 39	10 20	10 43		
335	30	Sat.	7 9	4 29	7 4	4 34	6 59	4 39	29	6 57	6 52	6 47	6 52	11 4	11 25	Andrew.	



DECEMBER.

XII Month.]

1872.

[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- CO.	Boston.	A.M.	P.M.	Moon's Phases.	
			Rises.	Sets.	Rises.	Sets.	Rises.	Sets.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	d. h. m.	
336	1	S.	7 10	4 29	7 5	4 34	7 0	4 39	d.	1 5	14	5 22	5 27	5 39	11 44	—	1st Sunday in Advent.	
337	2	Mo.	11	28	6	33	1	38	2	6 13	6 21	6 26	6 39	6	27		P.M. tide maximum 12.2 feet.	
338	3	Tu.	12	28	7	33	2	38	3	7 22	7 30	7 35	7 47	50	1 12		☾ ☽ ... ♀ + 2° ☽ ☾ ... ♀ + 1°	
339	4	Wd.	13	28	8	33	3	38	4	8 37	8 43	8 48	9 0	1 37	2 1		☾ ☽ ... ♀ - 2°	
340	5	Th.	14	28	9	33	4	38	5	9 55	9 59	10 3	10 13	2 28	2 55		Nicolas.	
341	6	Fri.	15	28	10	33	5	38	6	11 11	11 13	11 16	11 25	3 25	3 56		A.M. tide minimum 9.6 feet.	
342	7	Sat.	16	28	11	33	6	38	7	morn.	morn.	morn.	morn.	4 28	5 1		2d Sunday in Advent. C. V. M.	
343	8	S.	17	28	12	33	7	38	8	23	24	25	33	5 34	6 7			
344	9	Mo.	18	28	13	33	7	38	9	1 33	1 33	1 33	1 39	6 38	7 8			
345	10	Tu.	19	28	14	33	8	38	10	2 42	2 41	2 39	2 45	7 38	8 8		P.M. tide minimum 9.0 feet.	
346	11	Wd.	20	28	15	33	9	39	11	3 51	3 48	3 45	3 50	8 38	9 7			
347	12	Th.	20	28	15	33	10	39	12	4 59	4 55	4 51	4 56	9 34	10 1		Lucy.	
348	13	Fri.	21	29	16	33	10	39	13	6 7	6 1	5 57	6 1	10 25	10 49		A.M. tide maximum 10.9 feet.	
349	14	Sat.	22	29	17	34	11	39	14	7 12	7 6	7 0	7 4	11 9	11 28		3d Sunday in Advent.	
350	15	S.	23	29	18	34	12	40	15	rises.	rises.	rises.	rises.	11 46	—		☽ ☽ ... ☽ - 5°	
351	16	Mo.	23	29	19	34	13	40	16	5 54	6 2	6 7	6 18	5	23		Thomas.	
352	17	Tu.	24	29	19	35	13	40	17	6 52	6 58	7 4	7 14	42	1 1		4th S. in Advent. A.M. tide min. 8.4.	
353	18	Wd.	25	29	20	35	14	40	18	7 53	7 58	8 3	8 13	1 20	1 38		☽ ☽ ... ☽ - 2°	
354	19	Th.	25	30	20	35	14	41	19	8 54	8 59	9 3	9 11	1 58	2 17		Christmas Day.	
355	20	Fri.	26	31	21	36	15	41	20	9 56	9 59	10 2	10 10	2 38	3 0		Stephen.	
356	21	Sat.	26	31	21	36	15	42	21	10 58	11 0	11 2	11 9	3 24	3 52		John.	
357	22	S.	27	32	21	37	16	42	22	12 0	morn.	morn.	morn.	4 19	4 48		Innocents.	
358	23	Mo.	27	32	22	38	16	43	23	morn.	0	1	7	5 15	5 42		1st Sunday after Christmas.	
359	24	Tu.	28	33	22	38	17	44	24	1 3	1 2	1 2	1 7	6 8	6 36		☽ ☽ ... ☽ + 4°	
360	25	Wd.	28	33	23	39	17	44	25	2 8	2 6	2 4	2 9	7 2	7 29		Sylvester. Tide maximum 12.4 ft.	
361	26	Th.	28	34	23	39	18	45	26	3 17	3 14	3 11	3 16	7 56	8 24			
362	27	Fri.	29	35	23	40	18	45	27	4 30	4 25	4 21	4 26	8 51	9 19			
363	28	Sat.	29	35	24	41	18	46	28	5 45	5 40	5 34	5 39	9 45	10 11			
364	29	S.	29	36	24	42	19	47	29	7 0	6 52	6 46	6 52	10 32	10 56			
365	30	Mo.	29	37	24	42	19	47	0	sets.	sets.	sets.	sets.	11 18	11 41			
366	31	Tu.	7 30	4 38	7 24	4 43	7 19	4 48	1	6 16	6 22	6 28	6 40	—	5			

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