



From the collections of the Minnesota Historical Society: Ransom Chadwick's Andersonville Prison Diary.

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APRIL, 1864.

New York.				Day of M th	Day of Week	San Francisco.			
Sun Rises	Sun Sets	Moon Rises	High Tide			Sun Rises	Sun Sets	Moon Rises	High Tide
h m	h m	h m	h m			h m	h m	h m	h m
5 43	6 25	2 19	3 22	1	Fri.	5 43	6 25	2 20	
5 41	6 26	2 59	4 28	2	Sat.	5 42	6 26	3 2	
5 40	6 27	3 36	5 30	3	S.	5 40	6 27	3 40	
5 38	6 28	4 11	6 27	4	Mo.	5 39	6 28	4 17	
5 36	6 29	4 45	7 19	5	Tu.	5 37	6 29	4 53	
5 35	6 30	sets.	8 6	6	W.	5 36	6 30	sets.	
5 33	6 31	6 8	8 50	7	Th.	5 34	6 31	8 9	
5 32	6 32	9 14	9 37	8	Fri.	5 33	6 32	9 14	
5 30	6 33	10 15	10 24	9	Sat.	5 31	6 33	10 15	
5 28	6 34	11 10	11 12	10	S.	5 29	6 34	11 10	
5 27	6 36	11 59		11	Mo.	5 28	6 34	11 59	
5 25	6 37	morn	0 25	12	Tu.	5 27	6 34	morn	
5 24	6 38	0 42	1 17	13	W.	5 26	6 35	0 42	
5 22	6 39	1 18	2 11	14	Th.	5 24	6 36	1 20	
5 21	6 40	1 52	3 6	15	Fri.	5 23	6 37	1 55	
5 19	6 41	2 23	3 59	16	Sat.	5 22	6 38	2 27	
5 18	6 42	2 51	4 49	17	S.	5 20	6 39	2 56	
5 16	6 43	3 18	5 37	18	Mo.	5 19	6 40	3 24	
5 15	6 44	3 45	6 22	19	Tu.	5 17	6 41	3 53	
5 13	6 45	4 14	7 4	20	W.	5 16	6 42	4 23	
5 12	6 46	4 46	7 46	21	Th.	5 15	6 43	4 57	
5 10	6 47	rises.	8 27	22	Fri.	5 13	6 44	rises.	
5 9	6 48	8 45	9 10	23	Sat.	5 12	6 45	8 45	
5 8	6 49	9 44	9 55	24	S.	5 11	6 46	9 44	
5 6	6 50	10 41	10 44	25	Mo.	5 9	6 47	10 41	
5 5	6 51	11 33	11 35	26	Tu.	5 8	6 48	11 33	
5 3	6 52	morn	0	27	W.	5 8	6 48	morn	
5 2	6 53	0 18	0 57	28	Th.	5 7	6 49	0 20	
5 1	6 54	0 58	1 58	29	Fri.	5 5	6 50	1 1	
4 59	6 55	1 35	3 3	30	Sat.	5 4	6 51	1 39	
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San Francisco Tides.

For explanatory remarks, see Note on Twelfth page.

Day of Mo th	High Tide.		Day of Mo th	High Tide.		Day of Mo th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1	6 25 1/2	8 57 1/2	11	1 59 1/2	4 57 1/2	21	11 35 1/2	11 9 1/2
2	7 43 1/2	9 48 1/2	12	3 5 1/2	5 53 1/2	22	0 54 1/2	11 54 1/2
3	8 58 1/2	10 26 1/2	13	4 17 1/2	6 51 1/2	23	1 40 1/2	12 40 1/2
4	10 22 1/2	10 49 1/2	14	5 19 1/2	7 33 1/2	24	0 29 1/2	2 41 1/2
5	11 7 1/2	11 19 1/2	15	6 27 1/2	8 17 1/2	25	0 47 1/2	3 38 1/2
6	0 9 1/2	11 42 1/2	16	7 28 1/2	8 52 1/2	26	1 34 1/2	4 27 1/2
7		1 8 1/2	17	8 32 1/2	9 28 1/2	27	2 29 1/2	5 33 1/2
8	0 7 1/2	2 23 1/2	18	9 27 1/2	10 41 1/2	28	3 43 1/2	6 37 1/2
9	0 37 1/2	3 1 1/2	19	9 35 1/2	10 37 1/2	29	5 31 1/2	7 34 1/2
10	1 2 1/2	4 9 1/2	20	10 48 1/2	11 58 1/2	30	6 2 1/2	8 28 1/2

MAY, 1864.

New York.				Day of M th	Day of Week	San Francisco.			
Sun Rises	Sun Sets	Moon Rises	High Tide			Sun Rises	Sun Sets	Moon Rises	High Tide
h m	h m	h m	h m			h m	h m	h m	h m
4 58	6 56	2 9	4 6	1	S.	5 36	6 51	2 15	
4 57	6 57	2 42	5 6	2	Mo.	5 26	6 52	2 50	
4 56	6 58	3 16	6 3	3	Tu.	5 06	6 53	3 26	
4 54	6 59	3 51	6 55	4	W.	4 59	6 54	4 2	
4 53	7 0	sets.	7 44	5	Th.	4 58	6 55	sets.	
4 52	7 2	7 59	8 30	6	Fri.	4 56	6 56	7 59	
4 51	7 3	8 57	9 15	7	Sat.	4 56	6 57	8 57	
4 50	7 4	9 49	10 2	8	S.	4 55	6 58	9 49	
4 49	7 5	10 36	10 48	9	Mo.	4 54	6 59	10 36	
4 47	7 6	11 16	11 33	10	Tu.	4 53	7 0	11 17	
4 46	7 7	11 52		11	W.	4 52	7 1	11 54	
4 45	7 8	morn	0 41	12	Th.	4 52	7 1	morn	
4 44	7 9	0 23	1 29	13	Fri.	4 51	7 2	0 26	
4 43	7 9	0 51	2 19	14	Sat.	4 50	7 3	0 55	
4 42	7 10	1 17	3 10	15	S.	4 49	7 4	1 23	
4 42	7 11	1 44	4 1	16	Mo.	4 48	7 5	1 52	
4 41	7 12	2 13	4 52	17	Tu.	4 47	7 5	2 22	
4 40	7 13	2 44	5 42	18	W.	4 46	7 6	2 55	
4 39	7 14	3 18	6 30	19	Th.	4 46	7 7	3 30	
4 38	7 15	3 56	7 18	20	Fri.	4 45	7 8	4 9	
4 37	7 16	rises.	8 6	21	Sat.	4 44	7 9	rises.	
4 36	7 17	8 33	8 52	22	S.	4 43	7 10	8 33	
4 36	7 18	9 28	9 42	23	Mo.	4 43	7 11	9 27	
4 35	7 18	10 16	10 32	24	Tu.	4 42	7 11	10 17	
4 34	7 19	10 59	11 23	25	W.	4 42	7 12	11 1	
4 34	7 20	11 37		26	Th.	4 41	7 13	11 41	
4 33	7 21	morn	0 42	27	Fri.	4 40	7 14	morn	
4 33	7 22	0 12	1 39	28	Sat.	4 40	7 14	0 17	
4 32	7 23	0 45	2 39	29	S.	4 39	7 15	0 52	
4 32	7 23	1 18	3 40	30	Mo.	4 39	7 15	1 27	
4 31	7 24	1 52	4 41	31	Tu.	4 39	7 16	2 2	

San Francisco Tides.

For explanatory remarks, see Note on Twelfth page.

Day of Mo th	High Tide.		Day of Mo th	High Tide.		Day of Mo th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1	7 38 1/2	9 12 1/2	12	3 42 1/2	5 57 1/2	22	1 45 1/2	11 51 1/2
2	8 48 1/2	9 44 1/2	13	4 45 1/2	6 35 1/2	23	2 34 1/2	12 34 1/2
3	10 2 1/2	10 14 1/2	14	5 33 1/2	7 17 1/2	24	0 34 1/2	3 20 1/2
4	11 4 1/2	10 36 1/2	15	6 35 1/2	7 51 1/2	25	1 22 1/2	4 9 1/2
5	0 28 1/2	11 41 1/2	16	7 57 1/2	9 11 1/2	26	2 21 1/2	5 11 1/2
6	1 48 1/2	11 55 1/2	17	8 39 1/2	9 21 1/2	27	3 37 1/2	6 11 1/2
7		2 1 1/2	18	9 39 1/2	9 49 1/2	28	4 57 1/2	6 59 1/2
8	0 47 1/2	3 4 1/2	19	10 35 1/2	10 9 1/2	29	6 9 1/2	7 27 1/2
9	0 46 1/2	3 41 1/2	20	11 40 1/2	10 40 1/2	30	7 45 1/2	8 15 1/2
10	1 32 1/2	4 29 1/2	21	0 32 1/2	11 6 1/2	31	9 3 1/2	8 49 1/2

JUNE, 1864.

[illegible]

San Francisco Tides.

☞ For explanatory remarks, see Note on Twelfth page.

Day of Mo <th></th> <th colspan="2">High Tide.</th> <th rowspan="2">Day of Mo<th></th><th colspan="2">High Tide.</th><th rowspan="2">Day of Mo<th></th><th colspan="2">High Tide.</th></th></th>		High Tide.		Day of Mo <th></th> <th colspan="2">High Tide.</th> <th rowspan="2">Day of Mo<th></th><th colspan="2">High Tide.</th></th>		High Tide.		Day of Mo <th></th> <th colspan="2">High Tide.</th>		High Tide.	
	Morning.	Evening.	Morning.		Evening.	Morning.	Evening.				
1	10 15 s	9 21 A	11	4 22 T	5 18 s	21		2 5 s			
2	11 21 s	9 50 A	12	5 28 s	6 38 s	22	0 31 L	2 47 s			
3	10 16 s	10 15 L	13	6 26 s	7 58 s	23	1 33 L	3 23 s			
4	1 9 s	11 12 L	14	7 27 s	9 18 s	24	2 38 s	4 25 L			
5	2 1 s	11 43 L	15	8 48 s	7 48 L	25	3 45 s	4 57 L			
6		2 41 s	16	9 56 s	8 30 L	26	4 51 s	5 45 s			
7	0 26 L		17	10 47 s	9 3 L	27	5 58 s	6 52 L			
8	1 16 L	3 39 s	18	11 55 s	9 55 s	28	7 51 s	7 13 L			
9	2 10 s	4 59 s	19	10 42 s	10 44 L	29	9 50 s	8 10 s			
10	3 10 L		20			30	12 50 s	9 36 L			

JULY, 1864.

New York.				Day of Week	San Francisco.			
Sun Rises h m	Sun Sets h m	Moon Rises h m	High Tide m		Sun Rises h m	Sun Sets h m	Moon Rises h m	
4 32	7 35	2 35	6 13	1	Fri.	4 42	7 26	2 49
4 33	7 34	3 26	7 6	2	Sat.	4 43	7 26	3 40
4 33	7 34	sets.	7 52	3	Sat.	4 43	7 26	sets.
4 34	7 34	7 49	8 34	4	Mo.	4 44	7 25	7 50
4 35	7 34	8 22	9 14	5	Tu.	4 44	7 25	8 24
4 35	7 33	8 53	9 54	6	W.	4 45	7 25	8 56
4 36	7 33	9 23	10 32	7	Th.	4 45	7 25	9 28
4 37	7 33	9 52	11 10	8	Fri.	4 46	7 24	9 58
4 38	7 32	10 18	11 48	9	Sat.	4 47	7 24	10 26
4 38	7 32	10 45	0 7	10	S.	4 47	7 24	10 54
4 39	7 32	11 14	0 49	11	Mo.	4 48	7 23	11 25
4 39	7 31	11 47	1 36	12	Tu.	4 49	7 23	11 59
4 40	7 31	morn	2 30	13	W.	4 49	7 22	morn
4 41	7 30	0 24	3 28	14	Th.	4 50	7 21	0 37
4 41	7 30	1 7	4 31	15	Fri.	4 51	7 21	1 21
4 42	7 29	1 58	5 34	16	Sat.	4 51	7 21	2 12
4 43	7 28	2 57	6 34	17	S.	4 52	7 20	3 11
4 44	7 28	4 4	7 32	18	Mo.	4 53	7 19	4 18
4 45	7 27	rises.	8 23	19	Tu.	4 54	7 19	rises.
4 45	7 26	8 11	9 12	20	W.	4 55	7 18	8 15
4 46	7 25	8 46	10 1	21	Th.	4 55	7 17	8 52
4 47	7 25	9 10	10 48	22	Fri.	4 56	7 17	9 29
4 48	7 24	9 56	11 36	23	Sat.	4 57	7 16	10 6
4 49	7 23	10 31	0 1	24	S.	4 58	7 15	10 42
4 50	7 22	11 8	0 52	25	Mo.	4 59	7 14	11 21
4 51	7 21	11 49	1 49	26	Tu.	5 0	7 13	morn
4 52	7 20	morn	2 50	27	W.	5 0	7 13	0
4 53	7 19	0 34	3 54	28	Th.	5 1	7 12	0 49
4 54	7 18	1 24	4 56	29	Fri.	5 2	7 11	1 38
4 55	7 17	2 17	5 52	30	Sat.	5 3	7 10	2 31
4 56	7 16	3 12	6 43	31	S.	5 4	7 9	3 26

San Francisco Tides.

For explanatory remarks, see Note on Twelfth page.

Day of Mo'th	High Tide.		Day of Mo'th	High Tide.		Day of Mo'th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1	11 30	9 40	12	5 53	5 37	22	1 57	2 48
2	10 30	10 1	13	7 10	6 10	23	2 24	3 20
3	9 58	10 44	14	8 22	6 55	24	3 38	4 10
4	3 12	11 33	15	9 38	8 47	25	5 5	5 0
5	1 38	2 7	16	10 48	9 48	26	7 25	6 15
6	12 1	2 8	17	11 44	9 46	27	7 48	6 34
7	1 9	2 33	18	10 38	11 32	28	9 5	7 24
8	1 57	2 53	19	11 34	10 49	29	10 15	8 7
9	2 34	4 8	20	12 23	11 45	30	11 14	9 14
10	3 12	4 13	21	0 28	1 25	31	0 12	0 48
11	4 46	4 55						

AUGUST, 1864.

New York.				Day of Month	Day of Week	San Francisco.			
Sun Rises	Sun Sets	Moon Rises	High Tide			Sun Rises	Sun Sets	Moon Rises	
h m	h m	h m	h m			h m	h m	h m	h m
4 57	7 15	4 9	7 29	1	Fri.	5 57	7 4	4 21	
4 58	7 14	sets.	8 9	2	Sat.	5 67	6 sets.		
4 58	7 13	7 27	8 47	3	S.	5 77	5 7 32		
4 59	7 12	7 54	9 23	4	Mo.	5 87	4 8 0		
5 07	10 8	21	9 59	5	Tu.	5 87	2 8 28		
5 17	9 8	19	10 36	6	W.	5 97	1 8 57		
5 27	8 9	17	11 13	7	Th.	5 97	1 9 27		
5 37	7 9	48	11 52	8	Fri.	5 107	0 9 59		
5 47	5 10	21	0 13	9	Sat.	5 116	59 10 34		
5 57	4 11	0	1 0	10	S.	5 126	58 11 14		
5 67	3 11	47	1 54	11	Mo.	5 136	56 morn		
5 77	1 morn	2 57	12	12	Tu.	5 146	55 0 1		
5 87	0 41	4 5	13	13	W.	5 156	54 0 55		
5 96	59 1	4 22	5 11	14	Th.	5 166	52 1 56		
5 106	58	2 50	6 14	15	Fri.	5 166	51 3 3		
5 116	56	4 2	7 13	16	Sat.	5 176	50 4 14		
5 126	54	rises.	8 5	17	S.	5 186	49 rises.		
5 136	53	7 18	8 52	18	Mo.	5 196	47 7 24		
5 146	52	7 55	9 39	19	Tu.	5 206	46 8 3		
5 156	50	8 31	10 26	20	W.	5 216	45 8 41		
5 166	49	9 9	11 14	21	Th.	5 226	43 9 21		
5 176	47	9 49		22	Fri.	5 236	42 10 2		
5 186	46	10 32	0 30	23	Sat.	5 246	40 10 46		
5 196	44	11 21	1 27	24	S.	5 256	39 11 35		
5 206	43	morn	2 28	25	Mo.	5 266	37 morn		
5 216	41	0 12	3 30	26	Tu.	5 276	36 0 26		
5 226	40	1 6	4 31	27	W.	5 276	35 1 20		
5 236	38	2 3	5 26	28	Th.	5 286	33 2 16		
5 246	37	3 0	6 16	29	Fri.	5 296	31 3 12		
5 256	35	3 56	6 59	30	Sat.	5 306	30 4 7		
5 266	33	sets.	7 40	31	S.	5 316	28 sets.		

San Francisco Tides.

☞ For explanatory remarks, see Note on Twelfth page.

Day of Mo'th	High Tide.		Day of Mo'th	High Tide.		Day of Mo'th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1	0 36†	10 27 †	12	8 23 †	6 23 †	22	3 48 †	3 44 †
2	1 1†	11 18 †	13	9 28 †	7 30 †	23	5 4 †	4 2 †
3		1 32 †	14	10 32 †	8 44 †	24	6 28 †	4 57 †
4	0 2 †	1 25 †	15	11 23 †	9 49 †	25	7 31 †	5 58 †
5	0 51 †	1 47 †	16	0 5†	10 51 †	26	8 38 †	6 56 †
6	1 41 †	2 23 †	17	0 38†	11 48 †	27	9 34 †	7 48 †
7	2 32 †	2 32 †	18		1 0 †	28	10 46 †	8 50 †
8	3 20 †	2 34 †	19	0 56 †	1 22 †	29	11 24 †	9 41 †
9	4 35 †	3 35 †	20	1 40 †	1 49 †	30	11 55 †	10 24 †
10	5 47 †	4 21 †	21	2 39 †	2 22 †	31	0 14†	11 12 †
11	7 5 †	5 17 †						

SEPTEMBER, 1864.

New York.				Day of Month	Day of Week	San Francisco.			
Sun Rises	Sun Sets	Moon Rises	High Tide			Sun Rises	Sun Sets	Moon Rises	
h m	h m	h m	h m			h m	h m	h m	h m
5 27	6 32	6 26	8 17	1	Th.	5 32	6 27	6 32	
5 28	6 30	6 53	8 51	2	Fri.	5 32	6 26	7 1	
5 29	6 28	7 21	9 27	3	Sat.	5 33	6 25	7 30	
5 30	6 27	7 50	10 4	4	S.	5 34	6 23	8 1	
5 31	6 25	8 23	10 43	5	Mo.	5 35	6 22	8 35	
5 32	6 24	9 1	11 24	6	Tu.	5 35	6 20	9 14	
5 33	6 22	9 43		7	W.	5 36	6 18	9 57	
5 34	6 20	10 33	0 34	8	Th.	5 37	6 17	10 47	
5 35	6 18	11 29	1 29	9	Fri.	5 38	6 15	11 44	
5 36	6 17	morn	2 34	10	Sat.	5 39	6 14	morn	
5 37	6 15	0 32	3 42	11	S.	5 40	6 12	0 46	
5 38	6 14	1 40	4 49	12	Mo.	5 41	6 11	1 53	
5 39	6 12	2 51	5 53	13	Tu.	5 42	6 9	3 2	
5 40	6 10	4 5	6 50	14	W.	5 43	6 8	4 15	
5 41	6 9	5 19	7 43	15	Th.	5 43	6 5	5 27	
5 42	6 7	rises.	8 30	16	Fri.	5 44	6 rises.		
5 43	6 5	7 2	9 16	17	Sat.	5 45	6 3	7 13	
5 44	6 4	7 42	10 4	18	S.	5 46	6 1	7 55	
5 45	6 2	8 27	10 53	19	Mo.	5 47	5 59	8 41	
5 46	0	9 15	11 42	20	Tu.	5 47	5 59	9 29	
5 47	5 59	10 8	0 8	21	W.	5 48	5 57	10 22	
5 48	5 57	11 2	1 3	22	Th.	5 49	5 56	11 16	
5 49	5 55	11 58	2 1	23	Fri.	5 50	5 54	morn	
5 50	5 54	morn	3 0	24	Sat.	5 51	5 52	0 11	
5 51	5 52	0 54	3 58	25	S.	5 51	5 51	1 7	
5 52	5 50	1 52	4 51	26	Mo.	5 52	5 49	2 3	
5 53	5 48	2 49	5 41	27	Tu.	5 53	5 48	2 59	
5 54	5 47	3 45	6 25	28	W.	5 54	5 46	3 53	
5 55	5 45	4 41	7 6	29	hT.	5 55	5 44	4 48	
5 56	5 43	5 37	7 45	30	Fri.	5 56	5 43	5 43	
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San Francisco Tides.

☞ For explanatory remarks, see Note on Twelfth page.

Day of Mo'th	High Tide.		Day of Mo'th	High Tide.		Day of Mo'th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1		0 36 †	11	9 8 †	7 20 †	21	5 8 †	3 14 †
2	0 4 †	1 18 †	12	10 55 †	8 34 †	22	6 14 †	4 21 †
3	0 25 †	1 7 †	13	10 55 †	9 41 †	23	7 23 †	5 31 †
4	1 17 †	1 27 †	14	11 32 †	10 42 †	24	8 21 †	6 36 †
5	2 6 †	1 40 †	15		0 8 †	25	9 10 †	7 43 †
6	3 6 †	2 6 †	16	0 26 †	1 15 †	26	10 5 †	8 42 †
7	4 15 †	2 49 †	17	0 52 †	0 27 †	27	10 32 †	9 36 †
8	5 29 †	3 32 †	18	1 53 †	0 54 †	28	11 0 †	10 25 †
9	6 49 †	4 49 †	19	2 54 †	1 24 †	29	11 24 †	10 45 †
10	8 0 †	0 2 †	20	4 4 †	2 14 †	30	0 2 †	11 38 †

OCTOBER, 1864.

New York.				Day of Mo'th	Day of Week	San Francisco.			
Sun Rises h m	Sun Sets h m	Moon Sets h m	High Tide h m			Sun Rises h m	Sun Sets h m	Moon Sets h m	
5 57	5 42	5 53	8 21	1	Sat.	5 57	5 41	6 3	
5 58	5 40	6 27	8 58	2	S.	5 58	5 40	6 39	
5 59	5 38	7 3	9 37	3	Mo.	5 59	5 38	7 15	
6 05	37	7 43	10 18	4	Tu.	6 05	37	7 57	
6 15	35	8 29	11 3	5	W.	6 15	35	8 44	
6 25	33	9 22	11 50	6	Th.	6 25	33	9 37	
6 35	32	10 21	0 15	7	Fr.	6 35	32	10 35	
6 45	30	11 25	1 12	8	Sat.	6 45	31	11 37	
6 55	29	morn	2 13	9	Mo.	6 55	29	morn	
6 65	27	0 32	3 19	10	Mo.	6 65	28	0 43	
6 75	26	1 42	4 26	11	Tu.	6 75	26	1 52	
6 85	24	2 55	5 28	12	W.	6 85	25	3 3	
6 95	22	4 8	6 25	13	Th.	6 85	24	4 14	
6 105	21	5 21	7 19	14	Fr.	6 95	23	5 26	
6 115	19	rises.	8 8	15	Sat.	6 105	21	rises.	
6 135	18	6 17	8 54	16	S.	6 115	20	6 30	
6 145	16	7 4	9 42	17	Mo.	6 125	18	7 18	
6 155	15	7 56	10 31	18	Tu.	6 135	17	8 10	
6 165	13	8 50	11 21	19	W.	6 145	16	9 4	
6 175	12	9 48		20	Th.	6 155	14	10 2	
6 185	11	10 46	0 35	21	Fr.	6 165	13	10 58	
6 195	9	11 43	1 27	22	Sat.	6 175	12	11 54	
6 205	8	morn	2 21	23	Mo.	6 185	10	morn	
6 215	6	0 40	3 16	24	Mo.	6 195	9	0 50	
6 235	5	1 36	4 8	25	Tu.	6 205	8	1 45	
6 245	4	2 32	4 58	26	W.	6 215	6	2 40	
6 255	2	3 29	5 45	27	Th.	6 225	5	3 36	
6 265	1	4 27	6 28	28	Fr.	6 225	5	4 31	
6 275	0	5 25	7 11	29	Sat.	6 235	4	5 28	
6 284	59	sets.	7 53	30	Sa.	6 255	3	sets.	
6 304	57	5 41	8 33	31	Mo.	6 265	1	5 54	

San Francisco Tides.

For explanatory remarks, see Note on Twelfth page.

Day of Mo'th	High Tide.		Day of Mo'th	High Tide.		Day of Mo'th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1		0 20 1/2	12	10 12 s	9 48 l	23	6 35 s	5 15 l
2	0 27 s	0 12 l	13	10 47 s	11 37 l	24	7 29 s	6 13 l
3	1 24 s	0 24 l	14	10 59 l		25	8 8 s	7 27 l
4	2 16 s	0 50 l	15	0 25 s	11 21 l	26	8 51 s	8 29 l
5	3 13 s	1 19 l	16	1 37 s	11 37 s	27	9 25 s	9 4 s
6	4 15 s	2 15 l	17	2 3 s	0 8 l	28	10 8 l	0 0 s
7	5 24 s	3 25 l	18	3 2 s	0 50 l	29	10 42 l	10 55 s
8	6 35 s	4 47 l	19	3 50 s	1 44 l	30	11 31 l	11 45 s
9	7 32 s	5 58 l	20	4 42 s	2 55 l	31	12 12 l	
10	8 32 s	7 20 l	21	5 43 s	4 11 l			
11	9 28 s	8 38 l						

NOVEMBER, 1864.

New York.				Day of Week	Day of Mo'th	San Francisco.			
Sun Rises h m	Sun Sets h m	Moon Sets h m	High Tide h m			Sun Rises h m	Sun Sets h m	Moon Sets h m	
6 31	4 56	6 27	9 15	1	Tu.	6 27	5 0	6 41	
6 32	4 55	7 19	10 4	2	W.	6 28	4 59	7 33	
6 33	4 54	8 15	10 47	3	Th.	6 29	4 58	8 29	
6 34	4 53	9 18	11 36	4	Fr.	6 30	4 57	9 31	
6 36	4 52	10 24	0 1	5	Sat.	6 31	4 56	10 36	
6 37	4 50	11 31	0 54	6	S.	6 32	4 55	11 42	
6 38	4 49	morn	1 54	7	Mo.	6 33	4 54	morn	
6 39	4 48	0 39	2 57	8	Tu.	6 35	4 53	0 48	
6 41	4 47	1 49	4 0	9	W.	6 36	4 52	1 56	
6 42	4 46	3 0	5 2	10	Th.	6 37	4 51	3 6	
6 43	4 45	4 11	6 0	11	Fr.	6 38	4 50	4 15	
6 44	4 44	5 21	6 54	12	Sat.	6 39	4 49	5 23	
6 45	4 44	rises.	7 47	13	S.	6 40	4 49	rises.	
6 46	4 43	5 50	8 35	14	Mo.	6 41	4 48	5 54	
6 47	4 42	6 35	9 22	15	Tu.	6 42	4 47	6 49	
6 49	4 41	7 32	10 16	16	W.	6 43	4 46	7 46	
6 50	4 40	8 32	10 56	17	Th.	6 44	4 46	8 45	
6 51	4 40	9 31	11 42	18	Fr.	6 46	4 45	9 43	
6 52	4 39	10 29	0 4	19	Sat.	6 47	4 45	10 40	
6 54	4 38	11 27	0 50	20	S.	6 47	4 45	11 36	
6 55	4 38	morn	1 38	21	Mo.	6 48	4 44	morn	
6 56	4 37	0 23	2 28	22	Tu.	6 49	4 44	0 31	
6 57	4 37	1 19	3 18	23	W.	6 50	4 43	1 26	
6 58	4 36	2 16	4 10	24	Th.	6 51	4 43	2 21	
6 59	4 36	3 13	5 1	25	Fr.	6 52	4 42	3 17	
7 0	4 36	4 11	5 50	26	Sat.	6 53	4 42	4 14	
7 1	4 35	5 12	6 38	27	S.	6 54	4 41	5 13	
7 2	4 35	sets.	7 26	28	Mo.	6 55	4 41	sets.	
7 3	4 34	5 11	8 12	29	Tu.	6 56	4 41	5 25	
7 4	4 34	6 6	8 57	30	W.	6 57	4 41	6 20	
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San Francisco Tides.

For explanatory remarks, see Note on Twelfth page.

Day of Mo'th	High Tide.		Day of Mo'th	High Tide.		Day of Mo'th	High Tide.	
	Morning.	Evening.		Morning.	Evening.		Morning.	Evening.
1	1 33 s	11 38 l	11	9 50 l	11 16 s	21	6 33 s	5 47 l
2	2 23 s	0 26 l	12	10 16 l		22	7 11 s	6 39 s
3	3 11 s	1 13 l	13	0 16 s	10 40 l	23	7 53 l	7 50 s
4	4 1 s	2 13 l	14	1 6 s	11 6 l	24	8 42 s	8 54 s
5	4 55 s	3 11 l	15	2 0 s	11 47 l	25	9 41 s	9 58 s
6	5 50 s	4 45 l	16	2 47 s	0 31 l	26	9 32 l	10 58 s
7	6 59 s	6 04 l	17	3 29 s	1 31 l	27	9 58 l	11 50 s
8	7 31 s	7 27 l	18	4 0 s	2 24 l	28	10 24 l	
9	8 36 s	8 54 l	19	4 58 s	3 29 l	29	0 40 s	10 40 l
10	9 16 l	10 6 s	20	5 43 l	4 43 l	30	1 32 l	11 34 l