

February has Twenty-eight days.

Astronomical.

When the sun arrives at the same equinoctial or solstitial point, he finishes what is called the tropical year ; which, according to some authorities, is found to contain 365 days, 5 hours, 48 minutes, 48 seconds, and when he arrives at the same star again, as seen from the earth, he completes the sidereal year, which contains 365 days, 6 hours, 9 minutes, 14½ seconds. The sidereal year is therefore 20 minutes, 17½ seconds longer than the solar or tropical year, and 9 minutes, 14½ seconds longer than the Julian or civil year, which is 365 days, 6 hours. So that the civil year is almost a mean between the sidereal and tropical.

Equation of
time add to
App.

13' 54"
14 2
14 9
14 15
14 20
14 24
14 27
14 30
14 31
14 32
14 33
14 32
14 30
14 28
14 26
14 22
14 18
14 13
14 7
14 1
13 54
13 46
13 38
13 29
13 20
13 10
13 0
12 48

Day Month.	Day of Year.	MOON.				HIGH WATER AT HALIFAX.	
		Declination.	Rising and Setting.	South's	Place.	Morn.	Even'g.
1 32	S 3° 21' 4"	ev. 9 33	ev. 3 43	☾	10 24	11 48	
2 33	N 2 20 40	10 40	4 28	☾	11 6	11 30	
3 34	7 46 19	11 44	5 11	☾	11 54		
4 35	12 44 59	morn.	5 55	☾	0 12	0 36	
5 36	17 7 22	0 49	6 39	☾	1 0	1 24	
6 37	20 44 49	1 45	7 26	☾	2 0	2 25	
7 38	23 28 49	2 53	8 14	☾	3 12	3 36	
8 39	25 11 24	3 56	9 4	☾	4 24	4 48	
9 40	25 46 2	4 51	9 54	☾	5 25	5 50	
10 41	25 8 58	5 42	10 45	☾	6 17	6 40	
11 42	23 20 25	6 32	11 35	☾	7 1	7 26	
12 43	20 24 50	7 17	morn.	☾	7 42	7 58	
13 44	16 30 22	Rises, ev'g	0 24	☾	8 23	8 50	
14 45	11 47 55	6 27	1 10	☾	8 56	9 10	
15 46	6 30 1	7 34	1 55	☾	9 27	9 50	
16 47	0 50 12	8 40	2 40	☾	10 2	10 26	
17 48	S 4 57 3	9 49	3 26	☾	10 36	10 55	
18 49	10 36 3	10 58	4 13	☾	11 13	11 33	
19 50	15 49 15	morn.	5 2	☾	11 55		
20 51	20 16 59	0 8	5 55	☾	0 54	1 54	
21 52	23 38 1	1 22	6 53	☾	1 52	2 18	
22 53	25 32 7	2 35	7 53	☾	3 44	3 58	
23 54	25 44 56	3 41	8 56	☾	5 4	5 28	
24 55	24 12 51	4 44	9 58	☾	6 13	6 33	
25 56	21 5 5	5 37	10 57	☾	7 0	7 22	
26 57	16 40 56	6 19	11 52	☾	7 38	8 2	
27 58	11 24 27	Sets, ev'g.	ev. 45	☾	8 14	8 38	
28 59	5 39 37	7 15	1 32	☾	8 47	9 11	