

14] OCTOBER HAS 31 DAYS AND BEGINS ON FRIDAY. [1852.

MOON'S PHASES.			THE PLANETS.			1ST OCTOBER.			15TH OCTOBER.		
	d.	h.	m.			Meridian	Right Ascension.	Decl.	Meridian	Right Ascension.	Decl.
● Last Quarter....	5	17	19	☿ Mercury	Morning Star.	h. m.	h. m.	°	h. m.	h. m.	°
● New Moon.....	12	13	57	♀ Venus...	10 55 m	9 37	12 49	N	10 57 m	10 35	8 59 N
● First Quarter....	19	06	39	♂ Mars...	11 46 a	14 28	14 54	S	1 29 a	15 07	17 56 S
○ Full Moon.....	27	06	37	♂ Jupiter..	2 37 a	15 20	17 38	S	1 53 a	15 31	18 21 S
☾ Apogee.....	13	03		♄ Saturn..	2 20 m	3 01	14 29	N	13 22 m	2 58	14 12 N
☾ Perigee.....	27	07		♅ Uranus..	1 41 m	2 22	13 35	N	0 44 m	2 19	13 25 N
				♆ Neptune	10 01 a	22 45	8 56	S	9 05 a	22 41	9 02 S
Semi-diameter at Greenwich, Noon.				Mean time of transit of							
Date.	Of Sun.	Of Moon.									
1	16 00 7	14 42.7									
10	16 03 1	16 15.9									
20	16 05 9	15 28.1									
31	16 08 8	14 50.7									

Meteorological Comparisons for the month of October.

	Hamilton, C. W.	Quebec, C. E.	Fred'kton, N. B.	Makerst'n, Scotland.	Toronto, C. W.
Mean Temperature.....	49.2	41.7	44.1	45.9	44.5
Mean Highest Temperature	75.8	62.0	77.0	62.4	66.1
Mean Lowest Temperature	28.5	25.9*	16.0	25.2	22.2
Mean Humidity of the Air.	*	*	*	86	82
Average No. of Days of Rain	4.6	*	11.3	*	10.7
Average Rain in Inches...	*	*	*	2.951	3.033
Average No. of days of Snow	*	*	2.3	*	1.7

Day of Mo.	Day of Week.	Day of Yr.	Remarkable Days.	Sun's Declin'n South.	App. noon showing the Eq. of time.	Sun.				Moon.	
						Toronto.	Montreal.	Toronto.	Montreal.	Rises.	Rises.
						Rises.	Sets.	Rises.	Sets.	A. m.	A. m.
1	Friday	275	Battle of Toulon, 1793.	3 26.02	11 49 29.6	03 5 36.6	03 5 35	7 47 a	7 43 a		
2	Satur.	276	Major Andre executed, 1796.	3 49.18	11 49 10.6	04 5 34.6	05 5 33	8 18	8 11		
3	Sun.	277	Tillotson b 1796.	4 12.33	11 48 52.6	05 5 33.6	06 5 32	8 50	8 44		
4	Mon.	278	Belgian Indep. decl. 1830.	4 35.44	11 48 33.6	07 5 31.6	07 5 30	9 30	9 24		
5	Tues.	279	Battle of the Thames, 1813	4 58.53	11 48 16.6	08 5 29.8	08 5 28	10 18	10 12		
6	Wed.	280	● Last Quarter, 5h. 19m. A.M.	5 21.57	11 47 58.6	09 5 27.6	10 5 26	11 16	11 10		
7	Thurs.	281	Zimmerman d 1793.	5 45.12	11 47 42.6	10 5 26.6	12 5 24	Morn'g.	Morn'g.		
8	Friday	282	Otho chos. K. of Greece, 1832.	6 08.08	11 47 25.6	11 5 24.6	13 5 22	0 19 m	0 12 m		
9	Satur.	283	Battle of Savannah, 1797.	6 31.00	11 47 09.6	12 5 22.6	14 5 20	1 29	1 23		
10	Sun.	284	(11) Bat. Camperdown, 1797.	6 53.47	11 46 54.6	13 5 21.6	15 5 19	2 41	2 37		
11	Mon.	285	The Bahamas dis. 1492.	7 16.05	11 46 39.6	15 5 19.6	17 5 17	3 59	3 56		
12	Tues.	286	Penn b 1745.	7 43.40	11 46 21.6	16 5 17.6	18 5 15	Sets.	Sets.		
13	Wed.	287	● New Moon, 1h 57m. A.M.	8 01.10	11 46 09.6	17 5 15.6	19 5 13	5 47 a	5 46 a		
14	Thurs.	288	Battle of Jena, 1806.	8 23.33	11 45 56.6	18 5 14.6	20 5 12	6 19	6 17		
15	Friday	289	L. E. Landon d 1808.	8 45.43	11 45 44.6	19 5 12.6	22 5 10	6 58	6 52		
16	Satur.	290	Kosciusko d 1817.	9 07.52	11 45 31.6	21 5 11.6	23 5 08	7 38	7 31		
17	Sun.	291	Burgoyne's Surrender, 1777.	9 29.52	11 45 19.6	22 5 08.6	24 5 06	8 28	8 21		
18	Mon.	292	Battle of Lelaple, 1813.	9 51.40	11 45 08.6	23 5 07.6	26 5 04	9 25	9 17		
19	Tues.	293	● First Qr. 6h. 30m. P.M.	10 11.24	11 44 58.6	24 5 06.6	27 5 03	10 27	10 20		
20	Wed.	294	Battle of Navarino, 1827.	10 34.59	11 44 48.6	26 5 05.6	29 5 01	11 31	11 25		
21	Thurs.	295	Nelson d 1805.	10 56.19	11 44 37.6	27 5 03.6	30 5 00	Morn'g.	Morn'g.		
22	Friday	296	● Enters Scorpio.	11 17.35	11 44 30.6	28 5 01.6	31 5 00	0 35 m	0 31 m		
23	Satur.	297	Battle of Edgehill, 1642.	11 38.35	11 44 22.6	29 5 00.6	33 5 00	1 39	1 37		
24	Sun.	298	Chaucer d 1400.	11 59.30	11 44 14.6	31 5 00.6	34 5 00	2 42	2 41		
25	Mon.	299	Battle of Agincourt, 1415.	12 20.07	11 44 08.6	32 5 00.6	35 5 00	3 41	3 43		
26	Tues.	300	Battle of Chateaugay, 1813.	12 40.40	11 44 01.6	33 5 00.6	37 5 00	4 44	4 44		
27	Wed.	301	○ Full Moon, 6h. 37m. P.M.	13 00.55	11 43 56.6	35 5 00.6	38 5 00	Rises.	Rises.		
28	Thurs.	302	Alfred the Great d 900.	13 21.09	11 43 52.6	36 5 00.6	40 5 00	5 50 a	5 47 a		
29	Friday	303	Battle of Port Erie.	13 40.54	11 43 49.6	38 5 00.6	41 5 00	6 17	6 13		
30	Satur.	304	Dr. Cartwright d 1823.	14 00.37	11 43 46.6	39 5 00.6	43 5 00	6 49	6 44		
31	Sun.	305	Pamplona taken, 1813.	14 20.00	11 43 44.6	41 5 00.6	45 5 00	7 28	7 22		