

16] DECEMBER has 31 DAYS and BEGINS on WEDNESDAY. [1852.

MOON'S PHASES.			THE PLANETS.	1ST DECEMBER.			15TH DECEMBER.		
	d.	h. m.		Meridian	Right Ascen- sion.	Decl.	Meridian	Right Ascen- sion.	Decl.
☾ Last Quarter...	3	19 03							
☾ New Moon....	10	10 15							
☾ First Quarter..	17	15 22							
☾ Full Moon....	25	19 53							
☾ Perigee.....	9	01							
☾ Apogee.....	21	01							
Semidiameter at Greenwich, Noon.									
Date.	Of Sun.	Of Moon.							
1	16 15.1	15 18 4	☿ Mercury.	1 20 a	18 03	5 43 S	Evening Star.		
10	16 16.2	16 32 5	♀ Venus.	9 16 m	13 59	5 58 S	9 27 m	15 05	15 24 S
20	16 17.0	14 46 1	♂ Mars.	0 49 a	17 32	21 05 S	0 40 a	18 18	24 16 S
31	16 17.3	15 43 9	♂ Jupiter.	11 31 m	16 14	20 34 S	0 3 m	16 27	21 07 S
			♄ Saturn.	9 59 a	2 43	13 11 N	19 01 a	2 40	12 59 N
			♅ Uranus.	9 28 a	2 12	12 49 N	3 81 a	2 11	12 42 N
			♆ Neptune.	5 59 a	22 43	8 S	5 04 a	23 43	9 4 S
Mean time of transit of ♄									
				7 15 57.9 evening			6 20 35.3 evening		

Meteorological Comparisons for the Month of December.

	Hamilton, C. W.	Quebec, C. E.	Fredk'ton, N. B.	Ankerst'n, Scotland.	Toronto, C. W.
Mean Temperature.....	31.5	17.3	20.4	38.4	27.1
Mean Highest Temperature	56.6	40.0	47.7	50.8	45.7
Mean Lowest Temperature	8.4	-10.8	-8.7	20.1	-1.1
Mean Humidity of the Air.	•	•	•	90	83
Average No. of days of Rain	5.2	•	2.7	•	4.8
Average Rain in Inches...	•	•	•	2.056	1.470
Average No. of days of Snow	•	•	13.3	•	10.9

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.	
						Rises.	Sets.	Rises.	Sets.	Rises.	Sets.
1	Wed.	336	Battle of Austerlitz, 1805.	21 55.37	11 49 29	19 4	19 7	26 4	12 9	00 a	8 54 a
2	Thur.	337	Napoleon Emperor, 1804.	22 04.27	11 49 51	7 21	19 7	27 4	12 10	08	10 03
3	Friday	338	(4th) R. Gillilan d 1850.	22 12.52	11 50 17	7 22	18 7	28 4	12 11	16	11 13
4	Satur.	339	☾ Last Quarter 7h.5m. A.M.	22 20.52	11 50 41	7 23	18 7	29 4	12 12	Morn'g.	Morn'g.
5	Sun.	340	Marshal Ney shot, 1815.	22 28.24	11 51 06	7 24	18 7	30 4	12 0	28 m	0 26 m
6	Mon.	341	V. Knox d 1821.	22 35.32	11 51 32	7 25	18 7	32 4	12 1	40	1 40
7	Tues.	342	Rebels def. at Toronto, 1837.	22 42.13	11 51 58	7 26	18 7	33 4	11 2	54	2 55
8	Wed.	343	Conception. [1812]	22 48.26	11 52 25	7 27	18 7	34 4	11 4	11	4 14
9	Thur.	344	(10th) Wilna tak. by Russia.	22 54.14	11 52 52	7 28	18 7	35 4	11 5	30	5 34
10	Friday	345	☾ New Moon 10h.15m. P.M.	22 59.29	11 53 20	7 28	18 7	36 4	11 5	Sets.	Sets.
11	Satur.	346	Charles 12th killed, 1719.	23 04.21	11 53 48	7 29	18 7	37 4	11 4	49 a	4 43 a
12	Sun.	347	Brunel d 1849.	23 09.47	11 54 16	7 30	18 7	38 4	11 5	50	5 43
13	Mon.	348	Dr. Johnston d 1784.	23 12.45	11 54 45	7 31	18 7	39 4	11 6	57	6 50
14	Tues.	349	Washington d 1799.	23 16.14	11 55 14	7 32	18 7	39 4	11 8	06	8 00
15	Wed.	350	St. Eustache destroyed, 1837.	23 19.16	11 55 43	7 33	18 7	40 4	11 9	13	9 09
16	Thurs.	351	G. Whitfield b 1714.	23 21.44	11 56 12	7 34	18 7	41 4	11 10	21	10 18
17	Friday	352	Bolivar d 1830.	23 23.50	11 56 42	7 35	19 7	42 4	12 11	25	11 23
18	Satur.	353	☾ First Qr. 3h. 22m. A.M.	23 25.26	11 57 12	7 35	19 7	42 4	12 12	Morn'g.	Morn'g.
19	Sun.	354	Battle of Niagara, 1813.	23 26.37	11 57 42	7 36	20 7	43 4	13 0	26 m	0 26 m
20	Mon.	355	Gray b 1716. [commences.	23 27.18	11 58 12	7 36	20 7	43 4	13 1	25	1 26
21	Tues.	356	☾ Enters Capricorn, Winter	23 27.31	11 58 42	7 37	21 7	44 4	13 2	25	2 28
22	Wed.	357	Pilgrims landed at Plymouth.	23 27.09	11 59 12	7 37	21 7	44 4	13 3	25	3 28
23	Thurs.	358	Newton b 1642. [1620]	23 26.25	11 59 41	7 38	21 7	45 4	13 4	28	4 30
24	Friday	359	Treaty of Ghent, 1814.	23 25.13	12 0 11	7 37	22 7	45 4	13 5	26	5 32
25	Satur.	360	Christmas.	23 23.33	12 0 41	7 39	22 7	46 4	13 6	26	6 33
26	Sun.	361	☾ Full Moon, 7h.53m. A.M.	23 21.23	12 1 11	7 39	22 7	46 4	13 6	Rises.	Rises.
27	Mon.	362	St. John.	23 18.47	12 1 40	7 39	22 7	46 4	13 7	47 a	5 41 a
28	Tues.	363	Buffalo burnt, 1813.	23 15.36	12 2 10	7 39	22 7	46 4	13 8	53	6 47
29	Wed.	364	Coleridge b 1772.	23 12.03	12 2 39	7 40	22 7	46 4	13 9	00	7 55
30	Thur.	365	Marmontel d 1790.	23 08.02	12 3 08	7 40	22 7	46 4	13 10	08	9 04
31	Friday	366	Wickliffe d 1367.	23 03.33	12 3 36	7 40	22 7	47 4	13 10	22	10 20