

MOON'S PHASES.

	d.	h.	m.	
New Moon.	4	3	24.9	T.M.T.
First Qr.	11	32	38.5	
Full Moon.	18	10	39.8	
Last Qr.	26	15	4.4	
Perigee.	7	8	16' 18".5	semi-diam.
Apogee.	23	9	14' 44".6	semi-diam.

THE PLANETS	1st of FEBRUARY.			15th of FEBRUARY.		
	Meridian.	Right Ascension.	Decl.	Meridian.	Right Ascension.	Decl.
♂ Merc.	h. m.	h. m.	° '	h. m.	h. m.	° '
♀ Venus.	An Evening Star.			1 6	22 46	S 8 35
♂ Mars.	A Morning Star.			9 34	19 13	S 21 22
♂ Jupit'r	6 17	3 2	N 18 52	5 50	3 30	N 20 42
♂ Saturn.	10 8	6 53	N 23 8	9 7	6 48	N 23 15
♂ Uran's	2 11	22 54	S 8 54	1 22	23 1	S 8 14
♂ Neptune.	4 12	0 56	N 5 20	3 19	0 58	N 5 32

Pole Star on Meridian, A.M., 3h. 26m. 23s. L.

is from the *Februa*,

dest day at Toronto,
mean tem. of the

RANDA.

Date.	QUEBEC.				HALIFAX, N.S.				FREDERICTON, N.B.			
	Sun.		Twilight.		Sun.		Twilight.		Sun.		Twilight.	
	Rises.	Sets.	Begin.	Ends.	Rises.	Sets.	Begin.	Ends.	Rises.	Sets.	Begin.	Ends.
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
1	7 31	4 46	5 41	6 47	7 26	5 2	5 39	6 48	7 29	4 59	5 41	6 47
10	7 19	5 11	5 30	6 59	7 14	5 15	5 30	6 59	7 17	5 12	5 30	6 59
20	7 2	5 26	5 16	7 12	6 59	5 30	5 16	7 12	7 1	5 28	5 16	7 12
29	6 46	5 40	5 0	7 25	6 43	5 42	5 2	7 23	6 45	5 41	5 1	7 25

Day.		Sun Sets.		App. Noon, showing the Eq. of Time.	Sun's Declinat'n South.	Moon's Age at Noon.	Moon's Declina- tion.	Moon Rises or Sets.		TWILIGHT.					
Week.	Y'r.	To- ronto.	Mont- real.					Toronto.	Montreal.	Date.		Toronto.		Montreal.	
		D. h. m.	h. m.	h. m. s.	° '	D.	° '	Rises. h. m.	Rises. h. m.	Date.	Begin.	Ends.	Begin.	Ends.	
T.	1	325	55	0	12 13 52	17 11.4	26.2	17 54s	4 23m	4 28m					
W.	2	335	65	1	12 13 59	16 54.2	27.2	16 22	5 14	5 18	1	5 39	6 48	5 43	6 43
Th.	3	345	75	3	12 14 06	16 36.8	28.2	13 47	6 9	6 14	10	5 29	6 59	5 30	6 59
F.	4	355	95	5	12 14 13	16 19.0	29.2		6 14	Sets.	20	5 14	7 14	5 16	7 12
S.	5	365	105	6	12 14 18	16 1.1	0.6	10 17	6 9 a	6 7 a	29	5 17	7 23	5 07	7 23
S.	6	375	115	7	12 14 23	15 42.8	1.6	6 4	7 19	7 19	Castor and P. Ilex (the latter the southernmost and brightest of the two stars) are on the meridian about 10, on the 15th; and Procyon a little later, Orion to the west,—the bright star, Spica Virginia, rising. About 25° to the north-westward of the belt of Orion, and nearly in the same line, is Aldebaran, which may be known by its red colour.				
M.	7	385	135	8	12 14 26	15 24.2	2.6	1 26	8 32	8 32					
T.	8	395	155	10	12 14 29	15 5.4	3.6	3 14n	9 42	9 43					
W.	9	405	175	12	12 14 31	14 46.3	4.6	7 42	10 51	10 53					
Th.	10	415	185	14	12 14 33	14 27.0	5.6	11 40							
F.	11	425	195	15	12 14 33	14 7.5	6.6	14 50	0 2m	0 5m					
S.	12	435	215	17	12 14 33	13 47.7	7.6	17 1	1 8	1 13					
S.	13	445	225	18	12 14 32	13 27.7	8.6	18 8	2 12	2 17					
M.	14	455	235	20	12 14 30	13 7.5	9.6	18 7	3 10	3 15					
T.	15	465	245	21	12 14 27	12 47.0	10.6	17 1	4 4	4 9					
W.	16	475	255	22	12 14 24	12 26.4	11.6	14 58	5 2	5 6					
Th.	17	485	275	24	12 14 20	12 5.5	12.6	12 11	5 33	5 37					
F.	18	495	285	25	12 14 15	11 44.5	13.6	8 49	6 9	6 12					
S.	19	505	305	27	12 14 11	11 23.3	14.6	5 07	Rises.	Rises.					
S.	20	515	315	28	12 14 04	11 1.9	15.6	1 16	7 35 a	7 34 a					
M.	21	525	325	29	12 13 57	10 40.4	16.6	2 35s	8 32	8 33					
T.	22	535	335	31	12 13 49	10 18.6	17.6	6 19	9 29	9 30					
W.	23	545	355	32	12 13 41	9 56.6	18.6	9 44	10 26	10 28					
Th.	24	555	365	33	12 13 33	9 34.7	19.6	12 46	11 24	11 27					
F.	25	565	375	34	12 13 23	9 12.5	20.6	15 14							
S.	26	575	395	36	12 13 13	8 50.2	21.6	17 2	0 20m	0 24m					
S.	27	585	415	38	12 13 03	8 27.8	22.6	18 2	1 15	1 20					
M.	28	595	425	40	12 12 52	8 5.2	23.6	18 6	2 9	2 14					
T.	29	605	435	41	12 12 41	7 42.5	24.6	17 9	3 1	3 6					

Eclipses of Jupiter's Satellites.			
M. T. Greenw.		Toronto.	
d. h. m. s.		h. m.	
I. 5 14 12 28.3		8 55em	
12 16 7 23.5		10 50em	
21 42 31 10.6		7 14em	
28 14 26 20.9		9 9em	
II. 9 12 51 55.7		7 35em	
Mercury furthest from the Sun.			
16 15 28 38.3		10 12em	
23 18 5 15.6		12 48em	
III. 8 12 17 50.4		7 1em	
15 13 1 57.5		7 45em	
15 16 18 5.3		11 1em	
22 17 1 27.8		11 44em	

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