

July is the seventh month of the year—according to ancient reckoning it was the fifth; Mark Anthony denominated it July, in compliment to Julius Cæsar, who was born in it. CANCER, the Crab, is its Zodiacal sign.

Mean Results of Meteorological Observations at Hamilton by Dr. CRAIGIE.
1852.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	22.87	24.645	23.76	45	-6	29.59	30.00	29.05	7	9	15
February ...	28.00	29.20	28.60	54	-2	579	32	28.72	2	9	18
March	32.90	33.10	33.00	58	5	534	32	72	6	5	20
April	41.80	41.73	41.77	69	26	475	29.85	95	6	8	16
May	57.61	56.00	56.805	88	35	71	30.15	29.20	2	5	24
June	65.66	65.26	65.96	98	44	633	00	15	3	8	19
July	71.61	70.55	71.08	101	52	721	29.95	30	2	4	25
August	69.80	69.00	69.40	97	52	768	30.00	46	2	9	20
September...	60.70	60.30	60.50	95	38	764	02	05	5	5	20
October	52.58	52.32	52.45	76	34	72	10	30	5	4	22
November ...	39.16	39.73	39.45	57	27	645	17	07	3	6	21
December ...	35.709	36.645	6.177	59	18	641	20	10	8	6	17
Mean temperature of year48.248						Mean heat 29.657			52	78	237

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	SUND.	Sir E. P. Robinson Lt.-Gov. 1815.	Moon in Perigee.	0 / //	Sat. Toronto. D. H. M.
2	Mond.	Sir R. Peel died 1850.	Moon near Jupiter.	1 28 1	I. Disapp. 3 1 52 Mo.
3	Tuesd.	Quebec founded 1608.	Earth farthest from Sun	1 28 1	I. Disapp. 11 10 15 Eve.
4	Wed.	Great Fire in Brockville 1853.	(5th Venus n'r Regulus)	1 28 1	II. Disapp. 17 10 12 Eve.
5	Thur.	French take Algiers 1830.	Moon on equator.	1 28 1	I. Disapp. 19 0 9 Mo.
6	Friday	Battle of Malda 1806.	Saturn near Mars.	1 28 1	IV. Disapp. 20 11 32 Eve.
7	Satur.	Col. Simcoe Lt.-Gov. 1792.	Saturn in Taurus.	1 28 1	II. Disapp. 25 0 47 Mo.
8	SUND.	E. Burke died 1797.	Moon at Ascen. node.	1 28 1	I. Disapp. 26 2 4 Mo.
9	Mond.	St'r Queen of the West burnt 1853	Moon near Uranus.	1 28 1	
10	Tuesd.	Columbus born 1447.	Jupiter south 3.7 Mo.	1 28 1	Ex. 33.—The radii of two circles are 40 and 50; required the area they enclose, the distance between the centres being 70.
11	Wed.	Lalande born 1732.	Moon east of β and δ .	1 28 1	
12	Thur.	Erasmus died 1536.	Moon high. γ Inf. δ $\odot$	1 28 1	Ex. 34.—The sides of a triangle are 65, 55, and 100. Required the distance of a point within, from the corners, so which if lines be drawn, will divide the triangle into three equal parts.
13	Friday	Napoleon surrendered 1815.	Moon near Mercury.	1 28 1	
14	Satur.	Sir James Stuart died 1853.	Venus in Leo.	1 28 1	Ex. 35.—The area of a right-angled triangle is 15.60, and the difference between the hypotenuse and one leg is 50: what are the sides?
15	SUND.	Detroit taken, 1812.	Jupiter in Aquarius.	1 28 1	
16	Mond.	Sir Joshua Reynolds born 1723.	Mars at the Solstice.	1 28 1	
17	Tuesd.	Michilimackinac taken 1842.	Moon near Venus.	1 28 1	
18	Wed.	Three men lost at N. Falls, 1853.	Venus south 3.6 ev.	1 28 1	
19	Thur.	Princess Augusta born 1822.	Mars farthest north.	1 28 1	
20	Friday	Playfair died 1819.	Jupiter south 2 25 mo.	1 28 1	
21	Satur.	Hon. P. Russell Presid. 1796.	Venus at Desc. node.	1 28 0	
22	SUND.	Battle of Salamanca 1812.	Mercury stationary.	1 28 0	
23	Mond.	Canadas United 1840.	Sun ent. σ . ϕ gr. el. E.	1 28 0	
24	Tuesd.	Gibraltar taken by Britain 1704.	ϕ south 3.3 eve.	1 28 0	Ex. 36.—The two sides of a triangle adjacent to the base are 100 and 109; the distance from their angle to the centre of the circle inscribed in the triangle is 50. Required the base.
25	Wed.	Battle of Lundy's Lane, 1813.	Mars in Gemini.	1 27 9	
26	Thur.	Battle of Aboukir 1799.	Moon lowest.	1 27 59	
27	Friday	French Revolution, 1830.	Venus south 3.1 eve.	1 27 59	
28	Satur.	Lord Durham died, 1840.	Jupiter south 1 51 Mo.	1 27 59	
29	SUND.	Robespierre guillotined.	Moon in Perigee.	1 27 58	
30	Mond.	William Penn died 1718.	Moon near Jupiter.	1 27 58	Ex. 37.—How much of the earth's surface can a man see if he be 100 miles above the earth, radius being 7912 miles?
31	Tuesd.	Ignatius Loyola died 1556.	Venus in Leo's foot.	1 27 58	

- ☉ Last Q.
 ☾ New M.
 ☽ First Q.
 ☾ Full M.
 ☾ Apogee.
 ☾ Perigee.

Day	Mo.	Phase
1	...	☾
7	...	☽
13	...	☽
19	...	☽
25	...	☽
31	...	☽

Day of Month.	Day of Week.
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- 1 SUND.
 2 Mond.
 3 Tuesd.
 4 Wed.
 5 Thur.
 6 Friday
 7 Satur.
 8 SUND.
 9 Mond.
 10 Tuesd.
 11 Wed.
 12 Thur.
 13 Friday
 14 Satur.
 15 SUND.
 16 Mond.
 17 Tuesd.
 18 Wed.
 19 Thur.
 20 Friday
 21 Satur.
 22 SUND.
 23 Mond.
 24 Tuesd.
 25 Wed.
 26 Thur.
 27 Friday
 28 Satur.
 29 SUND.
 30 Mond.
 31 Tuesd.
- PROB. 1
 is 30 lbs.
 which are
 PROB. 2
 triangles,