

Ὀλύμπια Δάματα

O R, A N

ALMANACK

For the YEAR of
Our LORD GOD, 1803;

Being the Seventh after
BISSEXTILE, or LEAP-YEAR,

And from the World's Creation, 5807.

Wherein are Contained the Lunations, Conjunctions, Aspects, and Effects of the Planets; the Increase, Decrease, and Length of the Days and Nights; with the Rising, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times, when either the Moon or Stars are seen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of *Stamford* (formerly a famous University) whose Latitude is 52 Deg. 20 Min. fitting all the middle Parts of *ENGLAND*, and, without sensible Error, throughout the Kingdom.

Non est à Terris mollis ad Astra Via

By TYCHO WING, 18 236 03
Philomath.

L O N D O N :

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Common NOTES and Moveable FEASTS.

Dominical Letter	- B	Septuagesima Sund.	Feb. 6
Golden Number	- 18	Shrove Sunday	Feb. 20
Epaet	- 7	Easter Day	April 10
Cycle of the Sun	- 20	Whit-Sunday	May 29
Roman Indiction	- 6	Trinity Sunday	June 5
Number of Direction	- 20	Advent Sunday	Nov. 27

A CATALOGUE of the Most Reverend, Right Reverend, and Reverend, the Archbishops, Bishops, and Deans, exercising Ecclesiastical Jurisdiction in England, 1803.

<i>Archbishops.</i>	<i>Deans Names.</i>	<i>Sees Names.</i>
Dr. John Moore	Dr. Tho. Powys	Canterbury
Dr. Wm. Markham	Dr. Geo. Markham	York
<i>Bishops.</i>		
Dr. Beilby Porteus	Bishop Pretyma	London
Hon. Dr. S. Barrington	Bishop Cornwallis	Durham
Hon. Dr. Br. North	Dr. Newton Ogle	Winchester
Hon. Dr. James Yorke	Dr. Wm. Pearce	Ely
Dr. Richard Hurd	Dr. Arthur Onslow	Worcester
Dr. John Butler	Dr. Nat. Wetherell	Hereford
Hon. Dr. J. Cornwallis	Dr. Baptist Proby	Litchf. & Cov.
Dr. Richard Watson	Mr. S. Gale, Prec.	Landaff
Dr. Geo. Pretyma	Dr. Sir Rich. Kaye, Bt.	Lincoln
Dr. John Douglas	Dr. John Ekins	Salisbury
Dr. Samuel Horsley	Dr. W. D. Shipley	St. Asaph
Dr. William Cleaver	Mr. John Warren	Bangor
Dr. Richard Beadon	Dr. Geo. Wm. Lukin	Bath & Wells
Hon. Dr. E. V. Vernon	Dr. Isaac Milner	Carlisle
Hon. Dr. C. M. Sutton	Dr. Joseph Turner	Norwich
Dr. Spencer Madan	Dr. Tho. Kipling	Peterborough
Dr. Regin. Courtenay	Dr. Charles Harward	Exeter
Dr. F. H. W. Cornwall	Dr. C. Peter Layard	Bristol
Dr. John Buckner	Mr. Combe Miller	Chichester
Dr. John Randolph	Dr. Cyril Jackson	Oxford
Dr. H. W. Majendie	Dr. George Cotton	Chester
Lord Geo. Murray	Mr. Wollaston, Prec.	St. David's
Dr. Tho. Dampier	Dr. Goodenough	Rocheſter
Dr. G. I. Huntingford	Dr. John Luxmore	Glouceſter
	Dr. Vincent	Westminſter
	Bishop Sutton	Windſor
Mr. Claudius Crigan		Sodor & Man

A TABLE OF TERMS and Returns for the Year 1803.

HILARY Term begins January 24, ends February 12.

Returns or Effign Days.

		Exc.	Ret.	App.	W. D.
In eight Days of St. Hilary	Jan. 20	21	22	24	Mond.
In fifteen Days of St. Hilary	27	28	29	31	Mond.
On the Mor. of the Purif. of the Bl. V. M.	Feb. 3	4	5	7	Mond.
In eight Days of the Purif. of the Bl. V. M.	9	10	11	12	Satur.

EASTER Term begins April 27, ends May 23.

In fifteen Days of Easter	April 24	25	26	27	Wedn.
From Easter Day in three Weeks	May 1	2	3	4	Wedn.
From Easter Day in one Month	8	9	10	11	Wedn.
From Easter Day in five Weeks	15	16	17	18	Wedn.
On the Mor. of the Ascension of the Lord	20	21	22	23	Mond.

TRINITY Term begins June 10, ends June 29.

On the Morrow of the Holy Trinity	June 6	7	8	10	Friday
In eight Days of the Holy Trinity	12	13	14	15	Wedn.
In fifteen Days of the Holy Trinity	19	20	21	22	Wedn.
From the Day of the Holy Trinity in 3 W.	26	27	28	29	Wedn.

MICHAELMAS Term begins November 7, ends November 28.

On the Morrow of All Souls	Nov. 3	4	5	7	Mond.
On the Morrow of St. Martin	12	13	14	16	Tuesd.
In eight Days of St. Martin	18	19	20	21	Mond.
In fifteen Days of St. Martin	25	26	27	28	Mond.

N. B. No Sittings in Westminster-Hall on the Second of February, Ascension-day, and Midsummer-day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but Four Days.

Note, The first and last Days of every Term, are the first and last Days of Appearance.

The Names of the Learned J U D G E S in the Law.

I. Right Hon. Lord Eldon, Lord High Chancellor of Great Britain.

Right Hon. Sir William Grant, Knt. Master of the Rolls.

II. In the { Rt. Hon. Lord Ellenborough, Lord C. J. Sir Nash Grose, Knt.
K. Bench. { Sir Soulden Lawrence, Kt. Sir Simon Le Blanc, Knt.

III. In the { Right Hon. Lord Alvanley, L. C. J. Sir Giles Rooke, Knt.
Co. Pleas. { John Heath, Esq. Sir Alan Crambie, Kt.

IV. In the { Sir Arch. M'Donald, Knt. L. C. B. Sir Alex. Thompson, Kt.
Exchequer. { Sir Beaumont Hotham, Knt. Sir Robert Graham, Knt.

Hon. Spencer Percival, Attor. Gen. Sir Thomas Sutton, Knt. Solic. Gen.

The REGAL Table.

The Year, Month, and Day, when each King and Queen began to reign, accounting the Year to be- gin <i>January 1.</i>				Length of each Reign.		Number of Years expired since their Reigns ended.	
Kings Names	began to reign			Y.	M.	D.	end Kings Names
William I.	1066	Oct.	14	20	10	26	716 William 1
William II.	1087	Sept.	9	12	10	24	703 William 2
Henry I.	1100	Aug.	2	35	3	29	668 Henry 1
Stephen	1135	Dec.	1	18	10	24	649 Stephen
Henry II.	1154	Oct.	25	34	8	11	614 Henry 2
Richard I.	1189	July	6	9	9	0	604 Richard 1
John	1199	April	6	17	6	13	587 John
Henry III.	1210	Oct.	19	56	0	28	531 Henry 3
Edward I.	1272	Nov.	16	34	7	21	496 Edward 1
Edward II.	1307	July	7	19	6	18	476 Edward 2
Edward III.	1327	Jan.	25	50	4	27	426 Edward 3
Richard II.	1377	June	21	22	3	8	404 Richard 2
Henry IV.	1399	Sept.	29	13	5	20	390 Henry 4
Henry V.	1413	Mar.	20	9	5	11	381 Henry 5
Henry VI.	1422	Aug.	31	38	6	4	342 Henry 6
Edward IV.	1461	Mar.	4	22	1	5	320 Edward 4
Edward V.	1483	April	9	0	2	13	320 Edward 5
Richard III.	1483	June	22	2	2	0	318 Richard 3
Henry VII.	1485	Aug.	22	23	8	0	294 Henry 7
Henry VIII.	1509	April	22	37	9	6	256 Henry 8
Edward VI.	1547	Jan.	28	6	5	8	250 Edward 6
Q. Mary I.	1553	July	6	5	4	11	245 Q. Mary
Q. Elizabeth	1558	Nov.	17	44	4	7	200 Q. Elizabeth
James I.	1603	Mar.	24	22	0	3	178 James 1
Charles I.	1625	Mar.	27	23	10	3	154 Charles 1
Charles II.	1649	Jan.	30	36	0	7	118 Charles 2
James II.	1685	Feb.	6	4	0	7	114 James 2
Will. 3. & M.	1689	Feb.	13	13	0	23	101 William 3
Q. Anne	1702	Mar.	8	12	4	24	89 Q. Anne
George I.	1714	Aug.	1	12	10	10	76 K. George 1
George II.	1727	June	11	33	4	14	43 K. George 2
George III.	1760	Oct.	25	Crowned Sept. 22, 1761.			

The Use of the following TABLE of the Moon's Southing, to find the Time of High-Water, and the Hour of the Night.

I. To find the Time of High-Water in most Parts of
E N G L A N D.

Take the Time of the Moon's Southing for the Day proposed, and to that add the Hours and Minutes which stand against the Place required in the following Table of Sea-Coasts, and the Sum will be the Time of High-Water at the Place required on that Day.

A Table of the Sea Coasts.

	H. M.
<i>Portsmouth, Queenborough, Southampton,</i>	0 00
<i>Rochester, Winchelsea, Flushing,</i>	0 45
<i>Downs, Gravesend, Ramkins, Guernsey,</i>	1 30
<i>Denbigh, Bell-Isle, Holy-Isle, Downs-Road,</i>	2 15
<i>London, Tinnmouth, Whitby, Hartlepool,</i>	3 00
<i>Scarborough, Berwick, Flushing, Staples,</i>	3 45
<i>Flamborough, Humber, Bridlington-Bay,</i>	4 30
<i>Plymouth, Ramsay, Newcastle, Severn,</i>	5 15
<i>Lynn, Fosdyke, Hull, Weymouth, Dartmouth, Cross-Keys,</i>	6 00
<i>Boston, Start-Point, Foulness, Bristol-Key,</i>	6 45
<i>Bridgewater, Milford Haven, Lizard, Wintertown,</i>	7 30
<i>Yarmouth, Isle of Wight, the Needles,</i>	8 15
<i>Isle of Man, Orkney, Pool, South-Foreland,</i>	9 10
<i>Dover, Harwich, Orfordness, Bullein,</i>	10 10
<i>Rye, Solebay, Margate-Road,</i>	11 15

II. To find the Hour of the Night by the Shadow of the
Moon on a Sun-Dial.

1. When the Shadow falls precisely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Cases,

2. If the Shadow wants of 12, see how much it wants of it; which Time, subtracted from that of the Moon's Southing, leaves the Time of Night. *Note, You must add 12 Hours to the Moon's Southing, if Need be.*

3. If the Shadow has past 12, add the Time that it has past it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if Need be.

A TABLE of the MOON'S SOUTHING, of excellent Use to

M	January	February	March	April	May	June	M
	h m	h m	h m	h m	h m	h m	D
1	6 a 39	7 a 59	6 a 52	8 a 21	8 a 31	9 a 8	1
2	7 23	8 55	7 42	9 5	9 10	9 53	2
3	8 24	9 50	8 40	9 49	9 50	10 4	3
4	9 17	10 42	9 29	10 26	10 30	11 34	4
5	10 13	11 30	10 18	11 5	11 13	morn	5
6	11 9	morn	10 5	11 45	11 59	0 2	6
7	morn	0 15	11 39	morn	morn	1 26	7
8	0 4	0 57	morn	0 27	0 49	2 23	8
9	0 55	1 37	0 18	1 11	1 42	3 18	9
10	1 42	2 16	0 58	1 58	2 37	4 10	10
11	2 25	2 55	1 38	2 48	3 34	5 0	11
12	3 6	3 35	2 20	3 42	4 30	5 48	12
13	3 45	4 18	3 5	4 38	5 24	6 35	13
14	4 23	5 3	3 53	5 34	6 15	7 24	14
15	5 3	5 53	4 44	6 30	7 5	8 15	15
16	5 44	6 48	5 39	7 25	7 54	9 0	16
17	6 28	7 40	6 37	8 17	8 43	10 7	17
18	7 16	8 45	7 35	9 9	9 34	11 6	18
19	8 9	9 45	8 32	9 59	10 28	0 a 8	19
20	9 6	10 44	9 28	10 51	11 25	1 6	20
21	10 7	11 39	10 22	11 45	0 a 26	2 1	21
22	11 8	0 a 33	11 15	0 a 42	1 27	2 51	22
23	0 a 8	1 24	0 a 7	1 41	2 28	3 36	23
24	1 5	2 16	1 0	2 42	3 24	4 18	24
25	1 57	3 8	1 5	3 43	4 16	4 58	25
26	2 47	4 2	2 52	4 41	5 4	5 37	26
27	3 5	4 58	3 51	5 34	5 47	6 17	27
28	4 26	5 55	4 51	6 23	6 28	6 58	28
29	5 16		5 4	7 9	7 7	7 14	29
30	6 9		6 43	7 51	7 46	8 27	30
31	7 3		7 34		8 26		31

Spring Quarter begins - March 21d 1h 20m afternoon.
 Summer Quarter begins - June 22 11 2 morning.
 Autumn Quarter begins - Sept. 24 0 50 morning.
 Winter Quarter begins - Dec. 22 5 36 afternoon.

and the Time of High-Water, and the Hour of the Night.

M	July		August		September		October		November		December		D
D	h	m	h	m	h	m	h	m	h	m	h	m	D
1	9	a 18	10	a 49	morn		morn		1	m 32	2	m 14	1
2	10	13	11	46	0	16	0	48	2	35	3	12	2
3	11	10	morn		1	8	1	45	3	37	4	5	3
4	morn		0	40	2	0	2	41	4	36	4	52	4
5	0	8	1	32	2	53	3	43	5	30	5	35	5
6	1	4	2	22	3	49	4	47	6	20	6	10	6
7	1	59	3	11	4	47	5	40	7	4	6	56	7
8	2	50	4	2	5	47	6	42	7	46	7	35	8
9	3	40	4	54	6	46	7	33	8	26	8	13	9
10	4	28	5	49	7	43	8	20	9	5	8	57	10
11	5	16	6	47	8	37	9	3	9	45	9	42	11
12	6	6	7	45	9	27	9	44	10	26	10	30	12
13	6	58	8	44	10	12	10	44	11	9	11	21	13
14	7	54	9	40	10	53	11	4	11	55	0	a 15	14
15	8	52	10	33	11	36	11	44	0	a 45	1	9	15
16	9	51	11	22	0	a 16	0	a 26	1	37	2	2	16
17	10	50	0	a 7	0	54	1	10	2	30	2	54	17
18	11	46	0	49	1	37	1	57	3	24	3	43	18
19	0	a 38	1	29	2	19	2	48	4	16	4	30	19
20	1	25	2	9	3	4	3	40	5	7	5	16	20
21	2	9	2	49	3	53	4	34	5	56	6	3	21
22	2	50	3	30	4	44	5	28	6	43	6	52	22
23	3	30	4	14	5	38	6	21	7	31	7	43	23
24	4	9	5	0	6	34	7	13	8	20	8	38	24
25	4	49	5	50	7	29	8	3	9	11	9	37	25
26	5	31	6	44	8	24	8	53	10	6	10	40	26
27	6	16	7	40	9	18	9	44	11	6	11	42	27
28	7	5	8	38	10	10	10	36	morn		morn		28
29	7	57	9	33	11	1	11	31	0	8	0	42	29
30	8	53	10	30	11	54	morn		1	12	1	38	30
31	9	51	11	24			0	30			2	28	31

VENUS is a Morning Star till October 14; and then an Evening Star for the rest of the Year.

JUPITER is a Morning Star till March 22; then an Evening Star till October 10; then a Morning Star to the end.

Lunations.		M D	Jupiter rises	Venus rises
Full Moon	7th day, at 11 night	1	11 a 39	7 m 33
Last Quarter	16th day, at 3 morning	7	11 14	6 57
New Moon	23d day, at 10 morning	13	10 42	6 22
First Quarter	30th day, at 2 morning	19	10 24	5 46
		25	9 50	5 11

M D	W D	Holy Days, ☉ rises & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather
1	S	Circumcision	20 7 29	11 n 26	0 m 45	Cloudy weather
2	B	S. aft. Chrj.	4 8 18	17 10	2 10	♂ ♀ ♀
3	M	☉ rises 8h 3m	18 0 21	56	3 34	with rain or
4	Tu	☉ sets 3h 57m	1 11 32	25 30	4 57	snow.
5	W		14 53	27 36	6 17	
6	Th	Epiphany	28 2 28	7	7 21	
7	F	[Twe.d: O.Cb.]	10 25 57	27 4	D rises	♂ ☉ ♀
8	S	Lucia	23 38	24 38	4 a 25	Cold weather,
9	B	S. aft. Epiph.	6 9 4	21 3	5 39	if not some
10	M	Plough Monday	18 17 16	37 6	54	sharp frosts.
11	Tu		0 m 18	11 36	8 6	Δ ☉ ♀
12	W	[O. New Yr's d.]	12 11 6	14 9	16	
13	Th	Hil: Ca. Te b.	23 59 0	41 10	24	Cloudy, with rain
14	F	Oxf. T. begins	5 47	4 s 53	11 34	or sleet.
15	S	☉ rises 7h 52m	17 40 10	19	morn	
16	B	S. aft. Epiph.	29 43 15	27 0	46	
17	M	☉ sets 4h 11m	12 m 1 20	5 1	59	Cold winds begin
18	Tu	Q. Ch. b. day k.	24 38 23	56 3	17	Δ ♄ ♀
19	W	[Pris: O. 12th d.]	7 1 39	25 44	4 35	to blow.
20	Th	Fabian	21 6 28	6 5	48	
21	F	Agnes	4 57 27	47 6	49	
22	S	Vincent	19 13 25	39 7	35	
23	B	S. aft. Epiph.	3 46 21	4 D	fets	The weather is
24	M	Hil. T. begins	18 31 16	30 5 a	54	now more fine
25	Tu	Con. St. Paul	3 30 10	14 7	24	
26	W	☉ rises 7h 37m	18 6 3	25 8	32	Δ ☉ ♄
27	Th	D. of Suffex b.	2 42 3 n	30 10	20	
28	F		17 5 10	7 11	47	the season
29	S	☉ sets 4h 28m	1 8 12	16 6	morn	considered.
30	B	S. aft. Epiph.	15 1 21	9 1	13	
31	M	[K. Ch. I. mar.]	23 33 24	5 2	39	

M D	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	10 ^h 41	5 ⁿ 37	5 ^h 22	0 ^s 55	29 ^h 11	4 ^m 1	8 ^h 57	19 ^s 10
20	38	5 39	5 41	1	27 45	27 3	5 29	18 10
20	32	5 43	5 53	1	26 6	27 1	2 5 ^h	17 28
20	22	5 49	5 58	1	24 54	26 56	1 50	17 8
25	20 8	5 56	5 57	1	21 11	26 50	2 11	17 7

M D	☉'s		☉'s	
	Longit.	Declin.	Longit.	Declin.
1	10 ^h 12	23 ^s 4		
B 11	11	22 50		
3	12 15	22 54		
4	13 16	22 48		
5	14 17	22 42		
6	15 18	22 35		
7	16 19	22 28		
8	17 21	22 20		
B 18	22 22	12		
10	19 23	22 4		
11	20 24	21 55		
12	21 25	21 46		
13	22 26	21 36		
14	23 27	21 26		
15	24 28	21 15		
B 25	29 21	4		
17	26 31	20 53		
18	27 32	20 41		
19	28 33	20 29		
20	29 34	20 16		
21	0 ^h 35	20 3		
22	1 35	19 50		
B 2	37	19 30		
24	3 38	19 22		
25	4 39	19 7		
26	5 40	18 53		
27	6 41	18 37		
28	7 42	18 22		
29	8 43	18 6		
B 9	44	17 50		
31	10 45	17 34		

Observations

Jupiter south 38m. past 5 morning
Day increased 8 minutes

Seven stars south at 28m. past 8 at night

Sirius south 15m. past 11 at night

Seven stars south at 8 at night
☽ in apogeo, farthest from the earth

Saturn rises 7m. past 9 at night
Day increased 34m.

Sun enters ♈ 16m. past 10 at night
Jupiter stationary, as seen from the earth
Venus stationary, as seen from the earth

☽ in perigeo, nearest the earth

Aldebaran south 47m. after 7 at night

Days increased 1h. 12m.

Mars stationary, as seen from the earth

Lunations.

Full Moon 14th day, at 5 afternoon
 Last Quarter 10th day, at 10 night
 New Moon 21st day, at 9 night
 First Quarter 28th day, at 1 afternoon

M	Jupiter	Venus
D	rises	rises
1	9 a 25	4 m 51
7	9 0	4 45
13	8 34	4 40
19	8 8	4 34
25	7 43	4 28

M	W	Holy Days,	D's	D's	D rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather
1	Th	☉ rises 7h 27m	14 II 49	27 n 23	3 m 57	Rough winds, with
2	W	Pur. or Candl.	24 49	28 14	5 6	
3	Th	<i>Blaise</i>	7 35	27 33	5 59	☐ ♀
4	F		20 8	25 2	6 38	rain or sleet.
5	S	<i>Agatha</i>	2 30	22 11	7 4	
6	B	Septuages. Ss.	14 42	17 59	D rises	
7	M		26 44	13 6	5 a 46	Now more fine
8	Th	☉ sets 4h 46m	8 m 39	7 48	6 57	and frost-like.
9	W		20 29	2 15	8 6	
10	Th	☉ rises 7h 11m	2 17	3 s 20	9 15	
11	F		14 6	8 49	10 25	
12	S	Hilary Ter. e.	15 59	14 1	11 39	* ♀ ☿
13	B	Sexagesima S.	8 m 1	18 45	morn	Some wet, and
14	M	<i>Valenti: O. Cam.</i>	20 16	22 49	0 53	
15	Tu		2 49	25 56	2 10	Δ ☉ ♂
16	W		15 44	27 50	3 25	frost by turns.
17	Th	☉ sets 5h 2m	29 4	28 12	4 32	
18	F		12 51	26 52	5 22	
19	S		27 5	23 47	6 0	
20	B	Quin. or Shr. S.	11 43	19 6	6 27	
21	M	Cam. T. di. m.	26 39	13 9	D sets	Dark weather,
22	Tu	Shrove. Tuesd.	11 46	6 22	6 a 21	
23	W	Ash Wednesd.	26 54	0 n 47	7 51	Δ ♀
24	Th	St. Matthias: D.	11 54	7 4	9 22	with rain
25	F	[of Camb. b.	26 39	14 18	10 53	♂ ☉ ☿
26	S	☉ rises 6h 40m	11 8	19 50	morn	or snow.
27	B	1 Sun. in Lent	25 1	24 9	0 21	
28	M	☉ sets 5h 24m	8 II 36	26 58	1 46	

M.	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Decl.n.
1	19 48	6 n 5	5 40	6 n 5	23 11 58	0 s 57	4 15	26 n 43
7	19 27	6 15	5 30	6 15	24 16	0 46	7 10	26 37
13	19 4	6 25	5 7	6 25	24 59	0 39	10 5	26 32
19	18 38	6 30	4 33	6 26	26 3	0 20	15 24	26 27
25	18 17	6 47	4 4	6 47	27 26	0 12	20 23	26 22

M.	☉'s		☽'s		Observations
	Longit.	Declin.	Longit.	Declin.	
1	11 46	17 s 17			Saturn rises about 8 at night
2	12 47	17 0			
3	13 47	16 42			Day breaks at 25m. past 5 o'clock
4	14 48	16 23			
5	15 49	16 7			Days have increased 1h. 36m.
B 16	5 15	49			
7	17 50	15 30			
8	18 51	15 11			Mercury's greatest elong. from the Sun
9	19 52	14 52			☿ in apogeo, farthest from the earth
10	20 52	14 33			
11	21 53	14 14			
12	22 54	13 54			Pollan south 50m. past 9 at night
B 23	54 13	34			
14	24 55	13 14			Mercury stationa. as seen from the earth
15	25 55	12 54			
16	26 56	12 33			
17	27 56	12 12			Sirius south 35m. past 8 at night
18	28 57	11 51			
19	29 58	11 30			Sun enters ♋ 2m. past 1 afternoon
B 0	5 11	9			
21	1 58	10 47			Sun eclipsed, invisible
22	2 59	10 25			☿ in perigeo, and nearest the earth
23	3 59	10 4			
24	4 59	9 42			
25	6 0	9 19			Saturn rises 13m. past 6 at night
26	7 0	8 57			Day 10 hours 40 minutes long
B 8	0 8	35			
28	9 0	12			

Lunations.		M D	Jupiter rises	Venus rises
Full Moon	8th day, at 11 morning	1	7 ^a 24	4 m 27
Last Quarter	16th day, at 1 afternoon	7	0 58	4 24
New Moon	23d day, at 7 morning	13	6 32	4 22
First Quarter	30th day, at 2 morning	19	6 5	4 20
		25	5 39	4 18

M D	W D	Holy Days, ☉ rises & sets	D's Longit	D's Declin.	D rises & sets	Aspects and Weather.
1	Tu	David [Chad	21 II 47	28 n 12	2 m 50	△ ♂ ♀
2	We	Ember Week	4 25 38	27 52	3 58	Some foggy
3	Th		17 11 26	6	4 42	mists or
4	F	☉ rises 6h 29m	29 29	23 6	5 11	8 ♀ ♀
5	S		11 Ω 36	19 9	5 34	drizzling rain.
6	B	Sun. in Lent	23 35	14 27	5 50	
7	M	Perpetua	5 22 28	9 10	6 2	
8	Tu		17 18	3 47	D rises	8 ☉ ♀
9	W	☉ sets 5h 41m	29 6	1 s 49	7 a 7	Fair and frosty
10	Th		10 25 55	7 21	8 18	
11	F		22 47	12 38	9 30	
12	S	Gregory	4 m 45	17 38	10 45	near this time.
13	B	Sun. in Lent	16 51	21 45	morn	
14	M		29 8	25 6	0 1	
15	Tu	☉ rises 6h 7m	11 4 39	27 21	1 14	Snow or cold
16	W		24 29	28 1	2 22	rain.
17	Th	St. Patrick	7 15 41	27 31	3 19	
18	F	Edw. K.W.S.	21 17	25 11	4 2	
19	S		5 22 19	21 16	4 32	Rough winds.
20	B	or Midl. Sun.	19 46	15 59	4 54	
21	M	Benedict	4 23 36	9 38	5 12	
22	Tu	☉ sets 6h 9m	19 42	2 38	5 28	Fine weather,
23	W		4 27 57	4 n 34	D sets	8 ☉ ♀
24	Th		20 9	11 29	8 a 24	and perhaps some
25	F	Annu. Ladyday	5 8 9	17 38	9 59	
26	S		19 48	22 36	11 29	
27	B	Sun. in Lent	4 II 1	26 5	morn	gentle frosts.
28	M		17 45	27 54	0 51	
29	Tu	☉ rises 5h 39m	1 25 2	28 1	1 59	
30	W		13 52	26 36	2 48	
31	Th	☉ sets 6h 25m	26 22	23 53	3 23	□ ☉ ♂

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	17 12 52	6 n 55	3 2 34	0 s 1	28 11 31	26 n 18	23 17 56	17 s 54
7	17 24	7 6	2 58	0 n 16	0 22 26	12	29 32	17 28
13	16 55	7 18	2 14	0 34	2 25 26	4	5 25	16 4
19	16 27	7 29	1 28	0 53	4 40 25	54	11 32	15 4
25	16 0	7 39	0 41	1 12	7 52 25	41	17 50	14 29

M	☉'s	☉'s	Observations
D	Longit.	Declin.	
1	10 10	7 s 49	The Great Dog Star, south at 8 at night
2	11	7 27	
3	12	7 4	Moon eclipses a small star at 6 at night
4	13	6 41	
5	14	6 18	
B 15	1	5 55	Day breaks 32m. past 4 o'clock
7	16	5 31	
8	17	5 8	Mercury stationary, as seen from the earth
9	18	4 45	D in apogeo, farthest from the earth
10	19	4 21	
11	20	3 58	
12	21	3 34	Venus's greatest elonga. from the Sun
B 22	0	3 11	
14	22	2 47	Jupiter and Saturn comes to an opposition of the Sun this month; therefore
15	23	2 24	shines all night—beautiful to behold
16	24	2 0	
17	25	1 36	
18	26	1 12	
19	27	0 49	
B 28	57	0 25	
21	29	0 1	Sun enters ♋ at 20m. past 1 afternoon
22	0 56	0 n 22	Mercury's greatest elong. from the Sun
23	1 56	0 46	D in perigeo, nearest to the earth
24	2 55	1 10	
25	3 54	1 33	
26	4 54	1 57	Twilight ends 13 m. past 8 o'clock
B 5	53	2 20	
28	6 52	2 44	Days have increased 4h. 54m.
29	7 52	3 7	
30	8 51	3 31	Jupiter south at midnight
31	9 50	3 54	

Lunations.						Mer- D	Jupiter sets	Venus rises
Full Moon 7th day, at 5 morning						1	5 03 55	4 m.
Last Quarter 14th day, at 12 night						7	5 13	4
New Moon 21st day, at 4 afternoon						13	4 49	3 5
First Quarter 28th day, at 5 afternoon						19	4 26	3 54
						25	4	1 43
M	W	Holy Days, Orises & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather.		
1	F	Cam. T. ends	8 34	20 n 8	3 m 46			
2	S	Oxf. T. ends	20 34	15 38	4 5	8 ♀ ♀		
3	B	Palm Sunday	2 m 26	10 35	4 18	Winds with		
4	M	Ambr. [Richard	14 14	5 11	4 31			
5	Tu	Orises 5h 25m	26 1	0 8 21	4 42	showers of rain.		
6	W	Old Lady Day	7 50	5 54	4 51			
7	Th	Mundy Thursd.	19 44	11 16	D rises			
8	F	Good Friday	1 m 43	16 15	8 a 38	Now more fair,		
9	S	Orises 6h 43m	13 50	20 40	9 57			
10	B	Easter Day	26 5	24 15	11 12	8 ♀ ♀		
11	M	Easter Monday	8 31	26 46	morn	with good spring		
12	Tu	Easter Tuesday	21 9	27 58	0 22	* ♀ ♂		
13	W		4 1	27 42	22	weather.		
14	Th	Orises 5h 8m	17 10	25 53	2 8			
15	F	Orises 6h 54m	0 39	22 31	2 41			
16	S		14 29	17 54	3 5			
17	B	Low Sunday	28 41	12 8	3 23	Cloudy, with some		
18	M		13 14	5 35	3 40			
19	Tu	Alphege	28 5	1 n 23	3 53			
20	W	Oxf. & Ca. T. b.	13 8	8 21	4 9	8 ♀ ♀		
21	Th		28 15	14 52	Orises	cold rain.		
22	F	Orises 4h 53m	13 8 14	20 27	8 a 49			
23	S	St. George	27 57	24 40	10 28	Windy		
24	B	2 S. aft. Easter	12 16	27 13	11 48	□ ♂ ♀		
25	M	St. Mark: Pres.	26 8	27 58	morn	△ ♂ ♀		
26	Tu	[Mary b.	9 30	27 3	0 47	now about.		
27	W	Easter Term b.	22 26	24 40	1 27			
28	Th		4 57	21 8	1 55	Fine near		
29	F		17 10	16 48	2 16	8 ♀ ♀		
30	S	Orises 7h 22m	29 9	11 5	2 32	the end.		

M D	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	15 ^h 30	7 n 51	29 ^h 48	1 n 33	10 ^h 5	25 n 25	25 ^h 21	12 s 40
7	15 7	7 59	29 4	1 50	12 48	25 3	1 ^h 56	10 50
13	14 40	8 7	28 23	2 6	15 37	24 39	8 36	8 47
19	14 28	8 13	27 46	2 20	18 31	24 12	15 22	6 34
25	14 14	8 18	27 14	2 32	21 31	23 40	22 11	4 11

M D	☉'s		Observations
	Longit.	Declin.	
1	10 ^h 49	4 n 17	
2	11 48	4 40	Moon eclipses a small star at 7 at night
B 12	47	5 3	
4	13 46	5 26	
5	14 45	5 49	☿ in apogeo, furthest from the earth
6	15 44	6 12	
7	16 43	6 35	
8	17 42	6 57	Days have increased 5 hours 38 min.
9	18 41	7 20	
B 19	40	7 42	Virgin's Spike south at 12 at night
11	20 38	8 4	
12	21 37	8 26	
13	22 36	8 48	Day 13 hours 40m. long
14	23 34	9 10	
15	24 33	9 31	Saturn sets at 18m. past 4 morning
16	25 32	9 53	
B 26	30	10 14	
18	27 29	10 35	Jupiter sets near 5 in the morning
19	28 28	10 56	
20	29 26	11 17	☿ in perigeo, nearest the earth
21	0 ^h 8 25	11 38	Sun enters 8 57m. past 1 morning
22	1 23	11 58	
23	2 21	12 18	
B 3	20	12 38	Arcturus south at 12 at night
25	4 18	12 58	
26	5 17	13 18	
27	6 15	13 37	Days have increased 6 hours 48 minutes
28	7 13	13 56	
29	8 11	14 15	
30	9 9	14 34	

Lunations.

Full Moon 6th day, at 9 night
 Last Quarter 14th day, at 8 morning
 New Moon 20th day, at 12 night
 First Quarter 28th day, at 9 morning

M D	Jupiter sets	Veas rises
1	3 35	3m 43
7	3 16	3 30
13	2 52	3 17
19	2 28	3 4
25	2 4	2 51

M D	W D	Holy Days, O rises & sets	D's Longit	D's Declin.	D rises & sets	Aspects and Weather
1	B	3 S. af. East: St.	11 12 0	0 n 23	2 m 44	Some wind and
2	M	[Phil. & Jam	22 47	1 3	2 55	
3	Tu	Inven. of Crofs.	4 35	4 s 28	3 5	♂ ☉ ♀, * 4 ♂
4	W		10 28	9 52	3 17	wet the
5	Th	☉ rises 4h 30m	28 28	14 58	3 28	Δ ☉ ♀, Δ ♀
6	F	John Ev. a. P. L.	10 m 37	19 32	D rises	beginning of
7	S	Ds. of York b.	22 57	23 21	9 a 2	this month.
8	B	4 Sun. af. East	5 2	26 8	10 17	
9	M		13 9	27 39	11 21	
10	Tu		1 1	27 42	morn	Δ 4 ♀
11	W	☉ sets 7h 40m	14 5	26 13	0 10	Drying winds
12	Th		27 23	23 16	0 47	* ♂ ♀
13	F	Old May day	10 54	18 59	1 14	now about
14	S		24 39	13 37	1 32	and cold.
15	B	Rogation Sun.	8 41	7 29	1 48	
16	M	☉ rises 4h 12m	22 59	0 51	2 2	
17	Tu	Prs. Wales b.	7 30	5 n 54	2 16	A fine growing
18	W		22 12	12 26	2 32	
19	Th	Ascen: H. Thu.	6 58	18 16	2 49	Dunstan Δ ☉ 4
20	F	[Q. Cha. b.	21 41	23 1	D sets	☐ ♀
21	S	☉ sets 7h 55m	6 11	26 15	9 a 24	time.
22	B	Sun. aft. Ascen.	20 24	27 44	10 32	
23	M	[Prs. Eliz. b.	4 12	27 25	11 23	East. Ter. ends
24	Tu	☉ rises 4h 3m	17 34	25 30	11 57	Brisk gales of
25	W		0 31	22 16	morn	
26	Th	Augus: Ox. T. e.	13 5	18 5	0 20	☐ 4 ♀
27	F	Venerable Bede	25 20	13 14	0 38	wind, but
28	S	☉ sets 8h 3m	7 20	7 59	0 51	mostly fair.
29	B	Whit S: K. Ch.	19 13	2 30	1 3	
30	M	Whit M. [2 re.	1 2	3 s 0	1 13	
31	Tu	Whit Tuesday	12 53	8 26	1 23	

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D M	Saturn		Jupiter		Mars		Venus	
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	14 ^m 2	8 n 22	26 ^m 47	2 n 41	24 ^m 36	23 n 3	20 ^m 4	1 s 42
7	13 54	8 24	26 26	1 49	27 44	23 22	6 ^m 0	on 52
13	13 51	8 24	26 11	1 53	0 56	21 38	12 58	3 27
19	13 51	8 24	26 3	2 56	4 11	20 49	19 59	6 3
25	13 54	8 21	26 1	3 55	7 31	19 55	27 1	8 36

D M	Sun's		Observations	
	Longit.	Declin.		
B	10 8	8 14 n 52	D in Apogeo, furthest from the earth. Venus rises very early in the morning, and may be seen in the day-time.	
2	11	6 15 10		
3	12	4 15 28		
4	13	2 15 46	Saturn sets at 3 in the morning. Day breaks 41 min. past 1 o'clock.	
5	14	0 16 4		
6	14	58 16 21		
7	15	56 16 38	Jupiter sets near 3 in the morning.	
B	16	54 16 54		
9	17	52 17 11		
10	18	50 17 27	Shining Harp south, 12 min. past 3 in the morning.	
11	19	48 17 42		
12	20	45 17 58		
13	21	43 18 13	Saturn stationary, as seen from the earth.	
14	22	41 18 28		
B	23	39 18 42		
16	24	37 18 57	D in Perigeo, nearest the earth.	
17	25	34 19 11		
18	26	32 19 24		
19	27	30 19 37	Sun enters II 24 min. past 2 morning.	
20	28	28 19 50		
21	29	25 20 3		
B	0 II	23 20 15	Jupiter stationary, as seen from the earth.	
23	1	21 20 27		
24	2	18 20 39		
25	3	16 20 50	Sun due east 12 min. past 7 o'clock.	
26	4	14 21 1		
27	5	11 21 11		
28	6	9 21 21	Saturn sets 35 min. past 1 in the morn.	
B	7	6 21 31		
30	8	4 21 41		
31	9	1 21 50	D in Apogeo, farthest from the earth.	

Lunations

M	Jupiter	Venus
D.	sets	sets

Full Moon 5th day, at 10 morning.

Last Quarter 12th day, at 2 afternoon.

New Moon 19th day, at 9 morning.

First Quarter 27th day, at 3 morning.

1	1 m 35	2 a 39
7	1 11	2 29
13	0 47	2 20
19	0 23	2 12
25	11 a 58	2 6

M	W	Holy-Days	Moon's	Moon's	ris	Aspects and
D	D	ris & sets	Longit.	Declin.	& sets	Weather
1	W	Emb. Week;	24 50	13 s 36	1 m 35	Fair and hot at
2	T	[Nicomede	6 m 57	18 19	1 48	
3	F	ris 3 51	19 16	22 21	2 5	the beginning.
4	S	Trin. Su. D. of	1 49	25 27	2 27	
5	B	Geo. 3. b.	14 36	27 19	D rises	* ☉ ☿
6	M	[Camb. b	Boniface	27 44	10 a 5	☐ ☉ ☿
7	T	sets 8 12	10 50	26 35	10 46	Cloudy and
8	W	Oxford T. be.	24 15	23 53	11 16	☐ ☿ ♀ more
9	T	Corpus Christi	7 50	19 50	11 36	cool.
10	F	Trin. T. b.	21 35	14 40	11 53	
11	S	St. Barnabas	5 28	8 42	morn	Some rain,
12	B	S. aft. Trin.	19 30	2 16	0 6	☐ ☿ ♀
13	M		3 40	4 n 20	0 19	perhaps thun-
14	T	ris 3 44	17 56	10 46	0 32	der.
15	W	sets 8 16	2 8	17 16	39 0	48
16	T		16 38	21 38	1 8	Fine weather
17	F	St. Alban.	0 55	25 18	1 34	near this time.
18	S		15 2	27 22	2 10	
19	B	S. aft. Trin.	28 54	27 41	sets	
20	M	Tr. Ed. KWS.	12 28	26 18	9 a 48	☐ ☉ ☿
21	T	Longest Day.	25 40	23 28	10 17	☐ ☿ ♀
22	W		8 31	19 32	10 37	Some thunder
23	T	ris 3 43	21 2	14 48	10 52	
24	F	Nat. J. Bapt.	3 17	9 36	11 3	and rain.
25	S	[Midsum.	15 18	4 7	11 14	
26	B	S. aft. Trin.	27 12	1 s 26	11 24	
27	M	sets 8 16	9 2	6 54	11 36	Hot now about.
28	T		20 55	12 8	11 49	
29	W	St. Peter. Trin.	2 55	16 59	morn	☐ ☉ ☿
30	T	[Term. c.	15 6	21 14	0 3	

WING.

JUNE, 1803.

19

D		Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	
1	14 ^m 2	8 ⁿ 17	26 ^m 7	2 ⁿ 51	11 ⁿ 25	18 ⁿ 47	5 ⁿ 16	11 ⁿ 28	
7	14 13	8 11	26 20	2 44	14 50	17 44	22 22	13 47	
13	14 28	8 5	26 38	2 33	18 18	16 38	19 29	15 56	
19	14 46	7 57	27 12	2 25	21 45	15 28	26 39	17 53	
25	15 8	7 48	27 32	2 12	25 16	14 14	31 49	19 33	

D		Sun's		Sun's		Observations
M	Longit.	Declin.				
1	9 ⁿ 59	21 ⁿ 58				Mercury's greatest elong. from the Sun.
2	10 56	22 7				
3	11 53	22 14				All day or twilight till July the 23d.
4	12 51	22 22				
B 13	48	22 29				
6	14 45	22 36				Sun due east 18 min. past 7 o'clock.
7	15 43	22 42				
8	16 40	22 48				
9	17 38	22 53				Scorpion's heart south 9 min. past 11 night
10	18 35	22 58				
11	19 32	23 3				Days increased 8 hours 46 minutes.
B 20	29 23	7				Days 16 hours 30 minutes long.
13	21 27	23 11				
14	22 24	23 15				D in Perigeo, nearest the earth.
15	23 21	23 18				
16	24 19	23 21				The Georgian planet stationary.
17	25 16	23 23				Mercury stationary also, this day.
18	26 13	23 25				
B 27	11 23	26				
20	28 8	23 27				Saturn sets at 12 at night.
21	29 5	23 28				
22	0 ^m 2	23 28				Sun enters 22 2 min. past 11 morning.
23	1 0	23 28				
24	1 57	23 27				Days decreased 2 minutes.
25	2 54	23 26				
B 3	51 23	25				
27	4 48	23 23				D in Apogeo, farthest from the earth.
28	5 46	23 20				Mars in conjunction with the Lion's heart
29	6 43	23 18				
30	7 40	23 15				

Eunations

M	Jupiter	Venus
D	sets	rises

Full Moon 4th day, at 9 afternoon.

Last Quarter 11th day, at 6 afternoon.

New Moon 18th day, at 7 afternoon.

First Quarter 26th day, at 8 afternoon.

1	11	2	30	2	m
7	11	7	2	5	
13	10	43	2	9	
19	10	21	2	15	
25	9	58	2	17	

M	W	Holy Days	Moon's	Moon's	D	rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather	
1	F	☉ rises 3 45	27 m 33	24 8 38	☉ m 23	Flying showers	
2	S	Visitat. V. M.	10 f 16	26 54	☉ 51	now about.	
3	B	4 S. af. Trin.	P. days 27	47	1 33		
4	M	Tra. S. Mart.	6 53 36	27 6	☉ rises		
5	T	Camb. Com.	20 12	24 47	9 a 9	☐ h 2	
6	W	Old Midsum.	4 120	59	9 35	Hot, with claps	
7	T	Tho. à Beck.	18 115	57	9 52	of thunder.	
8	F	Cam. T. ends	2 8 10	2 10	8	* ♂ ♀	
9	S	☉ sets 8 9	16 19	3 34	10 21	* ☉ h	
10	B	5 S. af. Trin.	0 v 32	3 n 4	10 34		
11	M	Oxford Act	14 45	9 32	10 48		
12	T		28 56	15 31	11 6		
13	W	☉ rises 3 54	13 8	20 38	11 32	Fine weather	
14	T		27 224	34	more	now about.	
15	F	Swithin	10 53	27 1	0 3		
16	S	Oxf. T. ends	24 33	27 49	0 47	☐ 4 2	
17	B	6 S. af. Trin.	7 59	26 57	1 47	Some gentle	
18	M		21 11	24 34	☉ sets		
19	T	☉ sets 7 59	4 6 20	57 8 a 36	winds.		
20	W	Margaret	16 44	16 25	8 52		
21	T		29 8	11 18	9 7	Hot, with	
22	F	Mary, Magd.	11 17	5 51	9 17	thunder in	
23	S		23 17	0 16	9 29		
24	B	7 S. af. Trin.	5 10	5 s 16	9 38		
25	M	Sr. James	17 0	10 35	9 49	* ☉ 4	
26	T	St. Anne	28 53	15 33	10 4	many places.	
27	W		40 m 53	19 59	10 21	* ♂ ♀	
28	T	☉ rises 4 13	23 5	23 39	10 45		
29	F	☉ sets 7 45	5 f 33	26 19	11 21	Showers,	
30	S		18 20	27 43	more		
31	B	8 S. af. Trin.	1 28	27 37	0 11	* ♂ ♀	

W	D	M
---	---	---

1	1	1
7	1	1
13	1	1
19	1	1
25	1	1

D	S	M	L
---	---	---	---

1	8
2	9
B	10
4	11
5	12
6	13
7	14
8	15
9	16
B	17
11	18
12	19
13	20
14	21
15	21
16	22
B	23
18	24
19	25
20	26
21	27
22	28
23	29
B	30
25	1
26	2
27	3
28	4
29	5
30	6
B	7

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	15 ^m 33	7 n 37	28 ^m 7	1 n 56	28 ^m 49	12 n 57	11 ^m 0	20 n 57
7	16 0	7 26	28 48	1 39	28 ^m 25	11 37	18 13	22 0
13	16 30	7 13	29 32	1 20	6 2	10 15	25 27	22 43
19	17 2	7 0	0 22	1 0	9 41	8 49	25 43	23 1
25	17 37	6 46	1 15	0 37	13 22	7 21	9 59	22 56

D	Sun's		Sun's		Observations
M	Longit.	Decl.	m.	m.	
1	8 ^m 37	23 n 11	11		Days decreased 4 minutes.
2	9 34	23 7			
B 10	32 23	3			Sun due east 18 min. past 7 o'clock.
4	11 29	22 58			
5	12 26	22 53			Shining Harp south 35 min. past 12 night.
6	13 23	22 48			
7	14 20	22 42			
8	15 17	22 35			
9	16 15	22 29			D in Perigeo, nearest the earth.
B 17	12 22	22 22			
11	18 9	22 14			Mercury stationary, as seen from the earth.
12	19 6	22 6			
13	20 4	21 58			Bright star in the Vulture south, 12 min.
14	21 1	21 49			past 12 at night.
15	21 58	21 40			Shining Harp south 54 min. past 11 at
16	22 55	21 31			night.
B 23	53 21	21 21			
18	24 50	21 11			Days decreased 34 minutes.
19	25 47	21 1			
20	26 44	20 50			
21	27 42	20 39			Mercury's greatest elong. from the Sun.
22	28 39	20 27			
23	29 36	20 15			Sun enters ♄ at 53 min. past 9 at night.
B 0	34 20	3			
25	1 31	19 51			D in Apogeo, furthest from the earth.
26	2 28	19 38			
27	3 26	19 25			Saturn sets 41 min. past 9 at night.
28	4 23	19 11			
29	5 20	18 57			Jupiter sets at 10 at night.
30	6 18	18 43			
B 7	15 18	29			

Lunations

M	Jupiter	Venus
D	sets	rises
1	9 a 32	2 m 32
7	9 10	2 49
13	8 49	3 6
19	8 29	3 23
25	8 9	3 46

Full Moon 3d day, at 7 morning.

Last Quarter 9th day, at 11 at night.

New moon 17th day, at 8 morning.

First Quarter 25th day, at 12 noon.

M	W	Holy-Days	Moon's	Moon's	D	rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets		Weather
1	M	Lammas day.	14 59	25 53	1 m 17	* ♀	
2	T		28 51	22 34	2 38	♂ ♀	
3	W	☉ rises 4 22	13 2	17 50	D rises	I expect thun-	
4	T	☉ sets 7 36	27 27	12 1	8 a 13	der showers	
5	F		12 X 0	5 30	8 27	now about.	
6	S	Transfigurat.	26 37	1 19	8 40		
7	B	9 S. after Tr.	11 10	8 2	8 56		
8	M	[Prs. Am. b.	Nat. of Je.	14 16	9 12	The weather	
9	T		9 8 51	19 39	9 35	is very good	
10	W	Lawrence [d. e	23 53	23 53	10 4	for the har-	
11	T	Ds. Br. b. Dog	7 11 40	26 40	10 43	vest.	
12	F	Pr. Wa. b.	21 12	27 50	11 38		
13	S	Old Lammas	4 29	27 23	morn		
14	B	10 S. af. Trin	17 32	25 24	0 48		
15	M	Assumption.	0 20	22 8	2 4	Flying showers	
16	T	D. York. b.	12 55	17 53	3 22	♂ ☉ ♀	
17	W	☉ eclips. v. fib.	25 18	12 56	D sets	now about.	
18	T		7 30	7 34	7 a 22		
19	F	☉ rises 4 50	19 33	2 0	7 37		
20	S	☉ sets 7 8	1 28	3 35	7 49		
21	B	11 S. af. Trin.	13 20	9 0	8 1	Now more fair	
22	M	[D. of Cla. b.	25 9	14 5	8 14	for getting in	
23	T		7 11	18 40	8 30	the corn.	
24	W	St. Bartholo.	19 0	22 33	8 50		
25	T		1 9	25 32	9 20		
26	F	☉ rises 5 3	13 34	27 23	10 3		
27	S	[St. Aug.	26 18	27 51	10 59	Rather windy	
28	B	12 S. aft. Tr.	9 25	26 48	morn		
29	M	J. Bapt. beh.	22 57	24 9	0 14	near the end.	
30	T		6 55	20 1	1 40		
31	W	☉ sets 6 48	21 18	14 36	3 9		

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	18 π 20	6 n 29	2 Δ 21	0 n 10	17 π 42	5 n 36	18 Δ 30	22 n 20
7	18 59	6 13	3 22	0 s 15	21 27	4 4	25 50	21 23
13	19 39	5 57	4 26	0 41	25 14	2 31	3 Ω 11	20 5
19	20 21	5 40	5 32	1 8	29 3	0 56	10 33	18 25
25	21 3	5 23	6 41	1 36	2 Δ 54	0 s 39	17 57	16 26

D	Sun's		Sun's		Observations
M	Longit.	Declin.	Longit.	Declin.	
1	8 Ω 13	18 n 14			Day breaks 25 min. past 1 o'clock.
2	9 10	17 59			
3	10 7	17 44			Twilight ends 24 min. past 10 o'clock.
4	11 5	17 28			
5	12 2	17 12			D in Perigeo, nearest the earth.
6	13 0	16 56			
B 13	57 16	39			
8	14 55	16 23			Days decreased 1 hour 36 minutes.
9	15 52	16 6			
10	16 50	15 48			
11	17 48	15 31			Day breaks 5 min. past 2 o'clock.
12	18 45	15 13			
13	19 43	14 55			
B 20	41 14	37			Shining Harp south near 9 at night.
15	21 38	14 19			
16	22 36	14 0			Sun eclipsed, visible in this kingdom.
17	23 34	13 41			
18	24 32	13 22			Sun due east 43 min. past 6 o'clock.
19	25 29	13 2			
20	26 27	12 43			
B 27	25 12	23			D in Apogeo, farthest from the earth.
22	28 23	12 3			
23	29 21	11 43			
24	0 π 19	11 23			Sun enters π 17 min. past 4 morning.
25	1 17	11 2			
26	2 14	10 41			Saturn sets 42 min. past 7 at night.
27	3 12	10 20			Jupiter sets at 8 at night.
B 4	10 9	59			
29	5 8	9 38			
30	6 6	9 17			Day breaks at 47 min. past 2 o'clock.
31	7 4	8 55			

Lunations

M	Jupiter	Venus
D.	sets	rises

Full Moon 1st day, at 4 afternoon.

Last Quarter 8th day, at 6 morning.

New Moon 15th day, at 12 night.

First Quarter 24th day, at 3 morning.

Full Moon 30th day, at 12 night.

1	7	2	42	4	m
7	7	25	4	24	
13	7	0	4	45	
19	6	46	5	16	
25	6	27	5	28	

M	W	Holy-Days	Moon's	Moon's	D rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather
1	T	Giles	6 X 0	8 15	D rises	☉ ♄ ♀
2	F	Lond. bt. 1666	20 56	1 21	6 a 52	☉ ♄ ♀
3	S		5 57	5 n 39	7 7	Fine for the season.
4	B	13 S. af. Trin.	20 55	12 17	7 25	
5	M	☉ rises 5 22	5 8 41	18 9	7 46	
6	T		20 10	22 51	8 12	
7	W	Enurchus.	4 II 18	26 6	8 50	Brisk winds,
8	T	Nativ. V. M.	18 3	27 41	9 41	
9	F		1 26	27 36	10 55	but not bad
10	S	☉ sets 6 28	14 28	25 57	morn	
11	B	14 S. af. Trin.	27 13	23 0	0 1	weather.
12	M		9 44	19 1	1 18	
13	T		22 2	14 18	2 38	☉ ♄ ♀
14	W	Holy Cross	4 III 10	9 4	3 48	Windy wea-
15	T	☉ rises 5 41	16 12	3 35	D sets	ther.
16	F		28 7	1 s 59	6 a 6	
17	S	Lambert	9 59	7 27	6 18	Cloudy and
18	B	15 S. af. Trin.	21 49	12 38	6 39	☉ ☉ ♄
19	M	☉ sets 6 11	3 m 39	17 21	6 45	☉ ♄ ♀
20	T		15 32	21 26	7 3	more dull with
21	W	St. Matt. Em. W.	27 31	24 39	7 31	rain.
22	T	K. Geo. 3 cr.	9 39	26 50	8 7	
23	F	☉ rises 5 5	22 0	27 45	8 57	
24	S		4 38	27 15	10 2	
25	B	16 S. af. Trin.	17 38	25 16	11 20	Now more fair
26	M	Cypr. O. Ho. Ro.	1 m 3	21 49	morn	and fine to the
27	T		14 56	17 3	0 44	end of the
28	W	☉ sets 5 53	29 16	11 12	2 15	month.
29	T	St. Mic. Ds. W. b.	14 X 1	4 34	3 44	
30	F	St. Jerome	29 6	2 n 27	D rises	

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	27 54	5 n	8 4	2 s	9 7	2 s	28 30	26 s
7	23 39	4 45	9 17	2 39	11 20	4 6	4 11	11 16
13	23 23	4 28	10 31	3 8	15 16	5 42	11 28	8 33
19	24 8	4 10	11 47	3 38	19 15	7 16	18 56	5 41
25	24 53	3 53	13 4	4 8	23 16	8 50	26 25	2 44

D	Sun's		Observations	
M	Longit.	Declin.		

1	8 m	3	8 n	34	
2	9	1	8	12	Jupiter and Mars may be seen in conjunction.
3	9	59	7	50	
B	10	57	7	28	D in Perigeo, nearest the earth.
5	11	55	7	6	
6	12	53	6	44	Day breaks 18 min. past 3 o'clock.
7	13	52	6	21	
8	14	50	5	59	
9	15	48	5	36	Days decreased 3 hours 34 minutes.
10	16	47	5	14	
B	17	45	4	51	
12	18	43	4	28	Saturn sets 43 min. past 6 at night.
13	19	42	4	5	Jupiter sets at 7 at night.
14	20	40	3	42	
15	21	39	3	19	Jupiter in conjunction with the Georgian planet, 24 more north.
16	22	38	2	56	
17	23	36	2	33	
B	24	35	2	9	D in Apogeo, farthest from the earth.
19	25	34	1	46	
20	26	32	1	23	Mercury in 6 with Spica Virginis.
21	27	31	0	59	
22	28	30	0	36	
23	29	29	0	13	Sun enters 50 min. past 12 at night.
24	0	27	0 s	11	
B	1	26	0	34	Day breaks 9 minutes past 4 o'clock.
26	2	25	0	58	
27	3	24	1	21	Twilight ends 50 min. past 7 o'clock.
28	4	23	1	45	
29	5	22	2	8	
30	6	21	2	31	Mercury's greatest elong. from the sun.

Lunations						M	Jupiter	Venus
						D	sets	rises
Last Quarter 7th day, at 4 afternoon.						1	6 a 8	5 m 49
New Moon 15th day, at 5 afternoon.						7	5 49	6 9
First Quarter 23d day, at 5 afternoon.						13	5 26	6 29
Full Moon 30th day, at 9 morning.						19	5 6	6 49
						25	4 44	7 10
M	W	Holy-Days	Moon's	Moon's	D	rises	Aspects and	
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather		
1	S	Remigius	14 [°] 22	9 n 24	5 a 38	October begins		
2	B	17 S. af. Trin.	29 38	15 47	5 56			
3	M		14 8 44	21 8	6 22	pretty fine.		
4	T	☉ rises 6 19	29 30	25 2	6 57			
5	W		13 II 51	27 13	7 44			
6	T	Faith	27 43	27 37	8 46	Rather windy		
7	F	☉ sets 5 35	18 28 7	26 22	9 59	now about.		
8	S	[Denys	24 6	23 42	11 15			
9	B	18 S. af. Trin.	6 43	19 56	morn	Fine for the		
10	M	Ox. & Ca. T. b.	19 4	15 23	0 33	♂ ☉ ♀		
11	T	Old Mic. d.	1 11 10	18 1	47	♂ ☉ ♀		
12	W		13 10 4	55 2	59	♂ ♀ ♀		
13	T	Tran. K. Ed. C.	25 4 0 s	35 4	9	season.		
14	F	☉ rises 6 38	6 54	6 3	5 19			
15	S		18 45	11 17	D sets			
16	B	19 S. af. Trin.	0 m 36	16 7	5 a 0	Wind and		
17	M	Etheldreda	12 30	20 21	5 18			
18	T	St. Luke	24 28	23 47	5 43	♂ ♂ ♀		
19	W		6 32	26 13	6 16	rain may now		
20	T	☉ sets 5 10	18 43	27 26	7 0	be expected.		
21	F		1 5	27 19	7 59			
22	S		13 42	25 48	9 11	Cloudy and		
23	B	20 S. af. Trin.	26 36	22 53	10 30			
24	M		9 52	18 43	11 54	♂ ☉ ♀		
25	T	Ge. 3. ad. Crif.	23 33	13 26	morn			
26	W	K. Geo. 3. yr	7 41	7 19	1 20	more cool,		
27	T	[Jude	22 15	0 38	2 47	but not bad		
28	F	St Simon and	7 12	6 n 14	4 17	weather.		
29	S	☉ rises 7 7	22 25	12 51	5 46			
30	B	21 S. af. Trin.	7 44	18 44	D rises			
31	M	☉ sets 4 50	22 57	23 22	4 a 57			

Saturn		Jupiter		Mars		Venus	
Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1 25 38	3 35	14 21	4 39	27 18	10 22	3 54	0 17
7 26 22	3 18	15 39	5 9	17 23	11 52	11 24	3 19
13 27 5	3 2	16 57	5 39	5 29	13 19	18 54	6 19
19 27 47	2 45	18 15	6 8	9 38	14 44	26 25	9 14
25 28 28	2 30	19 33	6 38	13 49	16 4	37 56	12 2

D	Sun's Longit.	Sun's Declin.	Observations
1	7 20	2 55	♂ in Perigeo, nearest the earth.
B	8 19	3 18	
3	9 18	3 41	Andromeda's Girdle south 23 min. past 12 at night.
4	10 17	4 5	
5	11 16	4 28	
6	12 16	4 51	Orion's Foot south 18 min. past 4 in the morning.
7	13 15	5 14	
8	14 14	5 37	
B	15 13	6 0	Seven Stars south 38 min. past 2 in the morning.
10	16 13	6 23	
11	17 12	6 46	
12	18 12	7 9	Mercury stationary, as seen from the earth.
13	19 11	7 31	
14	20 11	7 54	
15	21 10	8 16	♂ in Apogeo, farthest from the earth.
B	22 10	8 38	
17	23 10	9 1	Days decreased 6 hours 2 min.
18	24 9	9 23	
19	25 9	9 45	Day breaks 53 min. past 4 o'clock.
20	26 9	10 6	
21	27 8	10 28	Twilight ends 2 min. past 7 o'clock.
22	28 8	10 49	
B	29 8	11 11	
24	0 8	11 32	Sun enters ♍ at 53 min. past 8 morning.
25	1 8	11 53	
26	2 8	12 14	Pole Star south about 11 at night.
27	3 7	12 34	
28	4 7	12 54	
29	5 7	13 15	♂ in Perigeo, nearest the earth.
B	6 7	13 35	
31	7 7	13 54	Moon amongst the stars at 6 at night.

Lunations						M	Jupiter	Venus
						D	rises	sets
Last Quarter 6th day, at 7 morning.						1	5m 29	5 a 4
New Moon 14th day, at 11 morning.						7	5 12	4 58
First Quarter 22d day, at 4 morning.						13	4 57	4 53
Full Moon 28th day, at 7 afternoon.						19	4 39	4 47
						25	4 19	4 42
M	W	Holy Days	Moon's	Moon's	D	rises	Aspects and	
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather.		
1	T	All Saints	7 11 54	26 n 21	5 a 39	6 4 8		
2	W	D. Kent b.	22 26 27	28	6 37	Fine.		
3	T	Prs. Soph. b.	6 25 28	26 45	7 45			
4	F	K. Wm. land.	20 0 24	26 9	3	Cloudy, and		
5	S	Powder Plot	3 11 42	20 53	10 23	perhaps some		
6	B	22 S. af. Trin.	15 42 16	28 11	39	rain or fleet.		
7	M	Mic. Trb. Leo.	28 1 11	28	morn			
8	T	Prs. Au. So. b.	10 12 6	6 8	0 52	Frogy, and		
9	W	Lord Mayor's d.	22 1 0	40	2 2	some cold		
10	T	☉ rises 7 28	3 1 51	4 8 46	3 11	winds.		
11	F	St. Martin	15 41 10	2 4 21				
12	S	☉ sets 4 29	27 32 14	57 5 31	6 8 2			
13	B	23 S. af. Trin.	9 11 27	19 19 6	42	Snow, or some		
14	M	[Britius	21 28 22	57	D sets	very cold		
15	T	Machutus	3 1 35	25 37	4 a 18	rains.		
16	W		15 50 27	6 5 0				
17	T	Hugh, Bp. of Lin.	28 13 27	16 5 54				
18	F	☉ rises 7 40	10 13 45	26 3 7	3			
19	S	☉ sets 4 18	23 29 23	27 8 19	Some gentle			
20	B	24 S. af. Trin.	6 11 27	19 38 9	39	frost near this		
21	M	Edmund	19 41 14	45 11 1	time.			
22	T	Cecilia	3 1 15	9 3	morn			
23	W	Clement. Old	17 10 2	46 0 23				
24	T	[Mart.	1 1 27	3 1 47	1 46			
25	F	Du. of Glo. b.	16 5 10	18 3 12	* ☉ b.			
26	S	[Catherine	0 1 59	16 21 4	41	More cold,		
27	B	Advent Sun.	16 1 21	27 6 13	with rain or			
28	M	Mic. Term. e.	1 1 3	25 9	D rises	fleet.		
29	T	☉ sets 4 5	15 54 27	5 4 a 12				
30	W	St. Andrew	0 1 25	27 6 5	17			

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	20 13	20 13	21 22	2	7 11	18 43	17 33	12 43
7	29 51	1 59	22 18	7 39	22 59	18 45	20 13	17 26
13	0 26	1 46	23 33	8 7	27 15	19 50	27 45	19 31
19	0 59	1 34	24 47	8 33	1 34	20 49	5 17	21 16
25	1 30	1 23	25 57	8 59	5 55	21 42	12 49	22 46

D	Sun's		Observations
M	Longit.	Declin.	

1	8 m	8 14 s	14 Mercury stationary, as seen from the earth.
2	9	8 14	33
3	10	8 14	52 Pole-Star south about 10 at night.
4	11	8 15	11
5	12	8 15	30
B	13	8 15	48 Days decreased 7 hours 16 minutes.
7	14	9 16	6
8	15	9 16	24 Day breaks 27 min. past 5 o'clock.
9	16	9 16	41
10	17	10 16	59 Mercury's greatest elong. from the sun.
11	18	10 17	16 in Apogee, farthest from the earth.
12	19	11 17	32
B	20	11 17	49
14	21	12 18	5 Seven-stars south 23 min. past 12 at night.
15	22	12 18	20 Day 8 hours 48 minutes long.
16	23	13 18	36
17	24	13 18	51
18	25	14 19	6 Saturn rises 20 min. past 2 morning.
19	26	15 19	20 Jupiter rises 39 min. past 4 morning.
B	27	15 19	34
21	28	16 19	48
22	29	17 20	1
23	0 17	20 14	Sun enters ♌ at 11 min. past 5 morning.
24	1	18 20	27
25	2	19 20	39 Day breaks 40 min. past 5 o'clock.
26	3	19 20	51
B	4	20 21	2 in Perigee, nearest the earth.
28	5	21 21	13
29	6	22 21	24 Days decreased 2 hours 24 minutes.
30	7	23 21	34

Lunations

M	Jupiter	Venus
D	rises	sets

Last Quarter 6th day, at 1 morning.

New Moon 14th day, at 5 morning.

First Quarter 21st day, at 2 afternoon.

Full Moon 28th day, at 7 morning.

1	3 m 59	4 a 42
7	3 39	4 50
13	3 18	4 57
19	2 58	5 4
25	2 37	5 11

M	W	Holy-Days,	Moon's	Moon's	D	rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	& sets	Weather
1	T	☉ rises 7 57	14 23 31	25 n 20	6 a 34		Fair and some
2	F	☉ sets 4 2	28 9	22 7	7 54		frosts at the
3	S		11 Ω 19	17 50	9 15		beginning.
4	B	3 S. in Adv.	24 3	12 53	10 30		
5	M		6 m 26	7 32	11 42		
6	T	St. Nicholas	18 33	2 2	morn		
7	W		0 30	3 s 27	0 52		* 14 ♀ Some
8	T	Concep. V.M.	12 21	8 46	2 1		♂ ☉ ♂ cold
9	F		24 11	13 45	3 10		
10	S		6 m 4	18 16	4 21		winds, with
11	B	3 S. in Adv.	18 4	22 5	5 34		fleet or
12	M	☉ rises 8 5	0 12	25 1	6 45		☐ 12 ♀
13	T	Lucy	12 31	26 49	7 52		showers.
14	W	Ember Week	25 0	27 17	D sets		
15	T		7 41	26 21	4 a 42		
16	F	Cam. T. e. OSapi.	20 32	24 0	5 57		♂ ♂ ♂
17	S	Oxf. T. ends	3 34	20 23	7 18		Still cold,
18	B	4 S. in Adv.	16 47	15 40	8 38		with winterly
19	M		0 13	10 9	10 0		♂ ☉ ♂
20	T	☉ sets 3 52	13 52	4 4	11 21		weather.
21	W	St. Thomas.	27 44	2 n 18	morn		
22	T	[Shor st day	11 50	8 39	0 43		
23	F	☉ rises 8 8	26 10	14 39	2 8		* ☉ 14
24	S		10 8 39	19 54	3 35		Frost, and
25	B	Christmas d.	25 14	24 0	5 4		☐ ☉ 16
26	M	St. Stephen.	9 49	26 34	6 27		perhaps some
27	T	St. John Ev.	24 17	27 19	7 41		snow near the
28	W	Innocents	8 31	26 14	D rises		end.
29	T		22 26	23 31	5 a 15		
30	F	☉ sets 3 54	5 59	19 32	6 36		
31	S	Silvester	19 8	14 42	7 55		

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	1 ^h 57	1 ⁿ 13	27 ^h 6	9 ^s 23	10 ^h 18	22 ^s 27	20 ^h 21	23 ^s 40
7	2 ^h 21	1 ⁿ 5	28 ^h 12	9 ^s 46	14 ^h 43	23 ^s 5	27 ^h 52	24 ^s 13
13	2 ^h 43	0 ⁿ 58	29 ^h 16	10 ^s 8	19 ^h 9	23 ^s 35	5 ^h 24	24 ^s 20
19	3 ^h 1	0 ⁿ 52	om ^h 16	10 ^s 28	23 ^h 37	23 ^s 55	12 ^h 55	24 ^s 0
25	3 ^h 15	0 ⁿ 48	1 ^h 12	10 ^s 47	28 ^h 8	24 ^s 7	20 ^h 26	23 ^s 14

D	Sun's	Sun's	Observations
M	Longit.	Declin.	
1	8	24	Bright star of Aries south 27 min. past 9
2	9	24	at night.
3	10	25	Day breaks 55 min. past 5 o'clock.
B	11	26	
5	12	27	
6	13	28	Aldebaran south 35 min. past 11 night.
7	14	29	Twilight ends 3 min. past 6 o'clock.
8	15	30	
9	16	31	D in Apogeo, farthest from the earth.
10	17	32	
B	18	33	
12	19	34	Day 7 hours 50 min. long.
13	20	36	
14	21	37	Seven stars south 11 min. past 10 night.
15	22	38	
16	23	39	
B	24	40	Day breaks at 6 o'clock.
18	25	41	
19	26	42	Pole-star south 4 min past 7 at night.
20	27	43	
21	28	45	
22	29	46	Sun enters 36 min. past 5 at night.
23	0	47	
24	1	48	
B	2	49	D in Perigeo, nearest the earth.
26	3	50	
27	4	52	
28	5	53	Days increased 2 minutes.
29	6	54	
30	7	55	Day 7 hours 48 minutes long.
31	8	56	

The Eclipses of Jupiter's First

January				February				March				April			
Immersion.				Immersion.				Immersion.				Emerfions.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
2	3	55	56	1	5	48	34	1*13	24	29		2*12	17	43	
3	22	23	28	3	0	16	46	3	7	53	19	4	6	46	45
5*16	51	3		4	18	44	59	5	2	22	9	6	1	15	52
7	11	18	40	6*13	13	14		6	20	51	3	7	19	44	54
9	5	46	17	8	7	41	32	8*15	19	57		9*14	14		0
11	0	13	52	10	2	9	52	10*9	48	54		11*8	43		1
12*18	41	36		11	20	38	16	12	4	17	50	13	3	12	6
14*13	9	15		13*15	6	42		13	22	46	50	14	21	41	6
16	7	37	1	15*	9	35	11	15*17	15	48		16	16	10	9
18	2	4	48	17	4	3	40	17*11	44	51		18*10	39		6
19	20	32	38	18	22	32	17	19	6	13	51	20	5	8	8
21*15	0	28		20*17	0	50		21	0	42	55	21	23	7	3
23	9	28	23	22*11	29	31		Emerfions.				23	18	6	1
25	3	56	20	24	5	58	10	22	21	23	17	25*12	34	55	
26	22	24	20	26	0	26	56	24*15	52	22		27	7	3	51
28*16	52	21		27	18	55	40	26*10	21	24		29	1	32	42
30*11	20	27						28	4	50	30	30	20	1	36
								29	23	19	31				
								31	17	48	37				

May				June				July				August.			
Emerfions.				Emerfions.				Emerfions.				Emerfions.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
2*14	30	24		1	16	36	34	1	18	27	34	2	15	9	50
4*8	59	16		3*11	4	56		3	13	5	44	4	9	38	33
6	3	28	1	5	5	33	20	5	7	34	2	6	4	7	19
7	21	56	49	7	0	1	37	7	2	2	23	7	22	36	3
9	16	25	39	8	18	29	57	8	20	30	40	9	17	4	55
11*10	54	18		10	12	58	11	10	14	59	2	11	11	33	46
13	5	22	59	12	7	26	33	12*	9	27	27	13	6	2	34
14	23	51	37	14	1	54	47	14	3	55	48	15	0	31	30
16	18	20	16	15	20	23	5	15	22	24	16	16	19	0	21
18*12	48	48		17	14	51	19	17	16	52	41	18	13	29	18
20	7	17	24	19	9	19	36	19	11	21	9	20	7	58	15
22	1	45	54	21	3	47	48	21	5	49	36	22	2	27	15
23	20	14	26	22	22	16	5	23	0	18	10	23	20	56	11
25	14	42	53	24	16	44	24	24	18	46	40	25	15	25	15
27*	9	11	20	26	11	12	35	26	13	15	14	27	9	54	15
29	3	39	44	28	5	40	49	28	7	43	48	29	4	23	20
30	22	8	11	30	0	9	10	30	2	12	30	30	22	52	23

Satellite for 1803.

September	October	November	December
Emerfions.		Immersion.	Immersion.
d. h. m. s.		d. h. m. s.	d. h. m. s.
1 17 21 29	The Eclipses	11 19 26 54	2 16 2 20
3 11 50 36	of Jupiter's	13 4 55 7	4 10 30 0
5 6 19 41	Satellites are	14 23 23 16	6 14 57 39
7 0 48 50	not visible	16 17 51 22	7 23 25 15
8 19 17 55	this month,	18 12 19 25	9 17 52 53
10 13 47 50	Jupiter being	20 6 47 26	11 12 20 25
	too near the	22 1 15 23	13 6 48 10
	Sun.	23 19 43 19	15 1 15 27
		25 14 11 13	16 19 43 13
		27 8 39 12	18 14 10 29
		29 1 3 50	20 8 37 58
		30 21 34 36	22 3 51 26
			23 21 32 58
			25 16 0 29
			27 10 27 57
			29 4 55 25
			30 23 22 57

N. B. Those marked with an asterisk are visible at *Greenwich*; and the Times are mean or clock time.

To illustrate the Use of the preceding Table by an Example :—Suppose on the 5th Day of September this Year, the Time of the Immersion of Jupiter's first Satellite be observed by a Telescope, in an unknown Meridian, to happen at 8 h. 8 min. 1 second; I find by the Table, that the Time of his Immersion will happen at the British Observatory at 6 h. 19 min. 41 sec. the same Day : The Difference of the Time is 1 h. 48 min. 20 sec. which being converted into Degrees and Minutes of the Equator, at the Rate of 15 Degrees per Hour, will make 27 deg. 5 min. the Longitude of the Place of Observation to the East; because the Time is more than that at the British Observatory.

Operation.	Immersion observed	8 ^h 8 ^m 1 ^s
	Immersion at <i>Greenwich</i>	6 19 41
	The Difference of Time	1 48 20
	Answering to	27° 5' 0"

Day	Long.	Declin.	Long.	Declin.	Long.	Declin.
1	6° 28'	3° 24'	48° 27'	48° 12'	58° 28'	40° 9'
4	10	51	43	14	51	42
7	15	42	24	59	50	44
10	20	38	23	43	6	45
13	25	37	23	8	50	38
16	0	41	22	1	11	14
19	5	48	20	26	15	28
22	10	59	19	43	59	11
25	16	9	17	32	10	19
28	21	16	15	32	32	48
1	14	57	8	37	3	27
4	19	7	6	4	6	25
7	23	33	4	15	8	24
10	28	13	3	1	10	36
13	3	7	1	16	11	44
16	8	17	1	11	12	12
19	13	40	3	45	12	59
22	19	18	5	52	11	8
25	25	11	8	31	9	46
28	1	8	11	41	8	3
1	6	15	18	21	46	15
4	4	38	18	21	16	11
7	3	38	18	25	22	56
10	2	56	18	19	6	31
13	2	9	19	40	29	55
16	4	10	19	44	37	9
19	6	2	20	41	34	12
22	8	42	21	26	23	2
25	12	10	21	9	7	39
28	16	21	21	23	49	58
1	2	57	15	19	40	44
4	5	29	16	36	20	24
7	7	27	17	21	44	7
10	8	42	17	13	43	48
13	8	59	17	49	4	30
16	8	6	17	54	38	13
19	8	37	15	16	17	58
22	8	41	13	54	26	44
25	28	55	11	39	1	25
28	25	26	0	21	6	32

EQUATION of TIME to the nearest Minute.

Day	Jan sub	Feb sub	Mar sub	Apr sub	May add	June add	July sub	Aug sub	Sept add	Oct add	Nov add	Dec add	Day
	min	m	m	m	m	m	m	m	m	m	m	m	
1	4	14	12	4	3	3	3	6	0	11	16	10	1
2	4	14	12	3	3	2	4	6	1	11	16	10	2
3	5	14	12	3	3	2	4	6	1	11	16	9	3
4	5	14	12	3	4	2	4	6	1	11	16	9	4
5	6	14	12	2	4	2	4	6	2	12	16	9	5
6	6	15	11	2	4	2	4	5	2	12	16	8	6
7	7	15	11	2	4	1	5	5	2	12	16	8	7
8	7	15	11	2	4	1	5	5	3	13	16	7	8
9	8	15	11	1	4	1	5	5	3	13	16	7	9
10	8	15	10	1	4	1	5	5	3	13	16	6	10
11	8	15	10	1	4	1	5	5	4	13	16	6	11
12	9	15	10	1	4	0	5	5	4	14	15	5	12
13	9	15	9	0	4	0	5	4	4	14	15	5	13
14	10	15	9	0	4	0	5	4	5	14	15	4	14
15	10	15	9	add	4	sub	6	4	5	14	15	4	15
16	10	14	9	0	4	0	6	4	6	15	15	4	16
17	11	14	8	1	4	1	6	4	6	15	15	3	17
18	11	14	8	1	4	1	6	3	6	15	14	3	18
19	11	14	8	1	4	1	6	3	7	15	14	2	19
20	11	14	7	1	4	1	6	3	7	15	14	2	20
21	12	14	7	2	4	1	6	3	7	15	14	1	21
22	12	14	7	2	4	2	6	2	8	16	13	1	22
23	12	14	6	2	4	2	6	2	8	16	13	0	23
24	13	14	6	2	4	2	6	2	8	16	13	sub	24
25	13	13	6	2	3	2	6	2	9	16	12	1	25
26	13	13	6	3	3	2	6	1	9	16	12	1	26
27	13	13	5	3	3	3	6	1	9	16	12	2	27
28	13	13	5	3	3	3	6	1	10	16	11	2	28
29	14		5	3	3	3	6	0	10	16	11	3	29
30	14		4	3	3	3	6	0	10	16	11	3	30
31	14		4		3		6	add		16		4	31

If the equal or clock time be given, add or subtract the tabular numbers to or from it, as directed in the table; the sum or difference will be the apparent or solar time. But do the contrary to reduce the apparent to equal time.

*A compendious CHRONOLOGY of MEMORABLE THINGS,
since the Creation to this present Year.*

A.P.J.	before Christ.		Years since.
710	4004	The Creation of the World	5807
1766	2948	Noah born	4751
2366	2348	Noah's Flood began	4151
2481	2233	The Babylonian Monarchy established	4036
2718	1996	Abraham born	3799
2986	1728	Joseph sold into Egypt	3531
3143	1571	Moses born	3374
3223	1491	The Israelites Departure out of Egypt	3294
3530	1184	Troy taken and destroyed by the Greeks	2987
3710	1004	Solomon's Temple built and dedicated	2806
4126	588	Jerusalem and the Temple destroyed	2391
4176	538	Daniel delivered from the Den of Lions	2341
4198	516	The Temple of Jerusalem rebuilt	2319
4391	323	The Death of Alexander the Great	2126
4710	4	The true Year of Christ's Birth	1807
4714	0	The vulgar Year of Christ's Birth.	1803
A.D.			
33		The Passion and Resurrection of Jesus Christ	1770
70		Jerusalem and the Temple destroyed by Titus	1733
100		St. John, the last of the Apostles, died Dec. 20.	1703
313		Christianity triumphed under Constantine	1490
476		Augustulus, the last Roman Emperor, deposed	1327
606		The wicked Phocas made Pope Boniface Head of the Church	1197
608		Mahomet broached his Imposture at Mecca	1195
872		Italy and Rome plundered by the Saracens	931
1012		Swain King of Denmark conquered England	791
1066		William Duke of Normandy conquered England	737
1110		Arts and Sciences taught in Cambridge	693
1119		The first War between the French and English	684
1300		The Mariners Compass invented	503
1330		The Canaries discovered by an English Ship	473
1380		Gunpowder and the Use of Guns first found out	423
1453		Constantinople taken from the Christians	350

A.D.		Years since.
1463	The <i>Persians</i> conquered by <i>Tamerlane</i>	340
1500	<i>Rome</i> plundered by the Duke of <i>Bourbon</i>	303
1517	<i>Martin Luther</i> first disputed against <i>Popery</i>	286
1536	<i>England</i> separated from the Church of <i>Rome</i>	267
1588	The <i>Spanish Armada</i> defeated by the <i>English</i>	215
1603	<i>Q. Eliz.</i> died <i>March 24</i> , and <i>K. James I.</i> began	200
1604	Died of the <i>Plague</i> in <i>London</i> , in 2 Years, 68,596.	199
1605	<i>Gunpowder Treason</i> , <i>Nov. 5</i> .	198
1613	The New-River Water brought to <i>London</i>	190
1618	The excellent Sir <i>Walter Raleigh</i> beheaded	185
1625	<i>K. James I.</i> died, <i>K. Charles I.</i> began <i>Mar. 27</i> .	178
1625	35,417 Persons died of the <i>Plague</i> in <i>London</i>	178
1641	The cruel <i>Irish</i> Massacre began, <i>October 23</i> .	162
1643	<i>Burleigh-House</i> stormed by <i>Cromwell</i> , <i>July 24</i> .	160
1649	<i>K. Charles I.</i> beheaded, <i>January 30</i> .	154
1658	<i>Oliver Cromwell</i> died, <i>September 3</i> .	145
1660	<i>K. Charles II.</i> restored, <i>May 29</i> .	143
1665	68,586 Persons died of the <i>Plague</i> in <i>London</i>	138
1666	<i>London</i> burnt, and a great Sea-fight with the <i>Dutch</i>	137
1672	War declared against the <i>Dutch</i> , <i>March 17</i> .	131
1674	A great Snow for 11 Days together	130
1675	The Town of <i>Northampton</i> burnt, <i>Sept. 3</i> .	128
1680	A great and splendid Comet appeared	123
1684	The great Frost that held 13 Weeks	119
1685	<i>K. Charles II.</i> died, <i>Feb. 6</i> , and <i>K. James II.</i> began	118
1685	The Duke of <i>Monmouth</i> beheaded, <i>July 15</i> .	118
1688	Seven Bishops sent to the <i>Tower</i> , <i>June 8</i> .	115
1688	<i>K. James II.</i> abdicated, <i>December 12</i> .	115
1689	<i>K. William</i> and <i>Q. Mary</i> crowned, <i>April 11</i> .	114
1692	The <i>French</i> Fleet entirely defeated by the <i>English</i>	111
1698	<i>Whitehall</i> Palace destroyed by Fire	105
1702	<i>K. William</i> died, <i>March 8</i> , and <i>Q. Anne</i> began	101
1702	<i>Q. Anne</i> proclaimed War against <i>France</i> , <i>May 4</i> .	101
1703	A great and terrible Wind, <i>Nov. 26</i> and <i>27</i> .	100
1704	<i>Gibraltar</i> taken by the <i>English</i>	99
1707	<i>England</i> and <i>Scotland</i> united, <i>May 1</i> .	96
1710	Riots and great Disturbances in <i>England</i>	93
1714	<i>Q. Anne</i> died, <i>August 1</i> , and <i>K. George I.</i> began	89

A.D.

Years
since.

1715	A Rebellion in <i>Scotland</i> and <i>Lancashire</i> suppressed	88
1716	A great Frost in the Beginning of this Year	87
1718	The <i>Spanish</i> Fleet destroyed by Admiral <i>Byng</i>	85
1719	A surprising Meteor seen, <i>March</i> 19, at 8 at Night	84
1719	Mr. <i>Flamsteed</i> , a celebrated Astronomer, died <i>Dec.</i>	84
	31	
1727	The incomparable Sir <i>Isaac Newton</i> died <i>Mar.</i> 20	76
1727	K. <i>George</i> I. died <i>June</i> 11, and K. <i>George</i> II. began	76
1736	The Prince and Princess of <i>Wales</i> married, <i>Ap.</i> 27	67
1739	Letters of Marque published in <i>London</i> against the	
	<i>Spaniards</i> , <i>July</i> 16.	64
1739	War declared by <i>Great Britain</i> against <i>Spain</i>	64
1739	<i>Porto-Bello</i> taken and destroyed by Adm. <i>Vernon</i>	64
1740	A very severe Frost from <i>Dec.</i> 25, to <i>Feb.</i> 27	63
1742	A Comet appeared from <i>Feb.</i> 18, to <i>March</i> 14	61
1743	A splendid Comet appeared from <i>Dec.</i> 23, to <i>Feb.</i>	
	18, in $\cap$	60
1744	<i>Mar.</i> 4, <i>France</i> declar. War against <i>England</i> ; and	
	<i>Mar.</i> 31, <i>England</i> declared War against <i>France</i>	59
1745	<i>Cape Breton</i> taken from the <i>French</i> , <i>June</i> 16	58
1746	The <i>Scotch</i> Rebels defeated by the Duke of <i>Cum-</i>	
	<i>berland</i> , at <i>Calloden</i> , near <i>Inverness</i> , <i>April</i> 16	57
1748	A general Peace signed <i>October</i> 7	55
1749	<i>Cape Breton</i> restored to the <i>French</i>	54
1750	The <i>British</i> Fishery established	53
1751	The Prince of <i>Wales</i> died <i>March</i> 20	52
1752	The Date and Calendar altered	51
1755	<i>Lisbon</i> destroyed by an Earthquake, <i>Nov.</i> 1	48
1756	<i>England</i> declared War against <i>France</i> , <i>May</i> 18	47
1756	<i>Minorca</i> taken by the <i>French</i> , <i>June</i> 27.	47
1757	Count <i>Brown</i> defeated by the King of <i>Prussia</i> , near	
	<i>Prague</i> , <i>May</i> 6.	46
1757	The King of <i>Prussia</i> defeated by Count <i>Daun</i> , at	
	<i>Collin</i> , <i>June</i> 18	46
1758	<i>French</i> defeat. at <i>Creveld</i> , by Pr. <i>Ferdinand</i> , <i>June</i> 23	45
1758	Lord <i>Howe</i> slain, <i>July</i> 6, and Gen. <i>Abercrombie</i>	
	repulsed at <i>Ticonderoga</i> , <i>July</i> 8	45
1758	<i>Cape Breton</i> taken by the <i>English</i> , <i>July</i> 26	45

A. D.

A.D.		Years since.
1758	The <i>Russians</i> defeated at <i>Zarndorff</i> by the King of <i>Prussia</i> , <i>Sept. 25</i>	45
1759	The Island of <i>Guadaloupe</i> taken by Gen. <i>Barrington</i> and <i>Commodore Moore</i> , <i>May 1</i>	44
1759	<i>French</i> defeated at <i>Minden</i> , by <i>Pr. Ferdinand</i> , <i>Aug. 1</i>	44
1759	The King of <i>Prussia</i> defeated at <i>Cunnersdorff</i> by the Count de <i>Soltikoff</i> , <i>August 12</i>	44
1759	Gen. <i>Wolfe</i> slain, though victorious, <i>Sept. 13</i> , and <i>Quebec</i> taken, <i>Sept. 18</i> , by Gen. <i>Townshend</i>	44
1760	<i>Montreal</i> taken by Gen. <i>Amherst</i> , <i>Sept. 8</i>	43
1760	<i>K. Geo. II.</i> died <i>Oct. 25</i> , and <i>Geo. III.</i> succeeded	43
1761	<i>Pondicherry</i> taken by Col. <i>Goote</i> , <i>Jan. 15</i>	42
1761	<i>K. Geo. III.</i> married <i>Q. Charlotte</i> , <i>Sept. 8</i>	42
1761	<i>K. Geo. III.</i> crowned, <i>Sept. 22</i>	42
1762	The Island of <i>Martinico</i> taken by Gen. <i>Monckton</i> , and Adm. <i>Rodney</i> , <i>Feb. 14</i>	41
1762	<i>George Prince of Wales</i> born, <i>August 12</i>	41
1762	The <i>Havannah</i> taken by Lord <i>Albemarle</i> and Sir <i>George Pocock</i> , <i>August 12</i>	41
1763	A general Peace in all <i>Europe</i>	40
1763	Duke of <i>York</i> born <i>Aug. 16</i>	40
1765	Duke of <i>Clarence</i> born <i>August 21</i>	38
1766	Duchess of <i>Wirtemberg</i> born <i>Sept. 29</i>	37
1767	Duke of <i>Kent</i> born <i>Nov. 2</i>	36
1768	Princess <i>Augusta-Sophia</i> born <i>Nov. 8</i>	35
1770	Princess <i>Elizabeth</i> born <i>May 22</i>	33
1771	Duke of <i>Cumberland</i> born <i>June 5</i>	32
1772	<i>Swedes</i> resign their <i>Liberties</i> to the King	31
1773	Duke of <i>Cambridge</i> born <i>Jan. 27</i>	30
1773	The <i>Light Gold</i> recoined	30
1774	Duke of <i>Suffex</i> born <i>Feb. 24</i>	29
1775	War commenced against the <i>North-Americans</i>	28
1776	Princess <i>Mary</i> born <i>April 25</i>	27
1776	The <i>Americans</i> declare themselves independent	27
1777	Princess <i>Sophia</i> born <i>Nov. 3</i>	26
1778	The <i>French</i> sign a Treaty with the <i>Americans</i>	25
1778	War begun against the <i>French</i>	25
1779	War commenced against the <i>Spaniards</i>	24
1780	War against the <i>Dutch</i> begun	23
1783	A general Peace	20
1783	Princess <i>Amelia</i> born <i>Aug. 7</i>	20

A.D.		Years since.
1783	New Volcanic Island appeared near <i>Iceland</i>	20
1783	More than 40,000 People perished by Earthquakes in <i>Italy</i>	20
1783	Peace with <i>France, Spain, and America</i> , concluded Sept. 3	20
1784	A general Peace concluded, <i>July 2</i>	19
1784	Seventeen Districts in <i>Iceland</i> desolated, by a sub- terraneous Fire	19
1786	Commercial Treaty with <i>France</i> signed <i>Sept. 26</i>	17
1788	His Majesty <i>George III.</i> seized with a dangerous Disorder	15
1789	<i>April 23</i> , the King, Royal Family, &c. went in State to <i>St. Paul's</i> , being a Day of General Thanksgiving for His Majesty's Recovery	14
1789	Revolution in <i>France</i>	14
1790	<i>Joseph II.</i> Emperor of <i>Germany</i> died <i>Feb. 20</i>	13
1790	<i>Henry Frederick</i> , Duke of <i>Cumberland</i> , died <i>Sept.</i> <i>18</i>	13
1792	<i>Leopold</i> , Emperor of <i>Germany</i> , died <i>March 1</i>	11
1792	<i>Gustavus</i> , King of <i>Sweden</i> , shot by <i>Ankerström</i> , <i>March 16</i> . died <i>March 29</i> following	11
1792	War declared by <i>France</i> against the King of <i>Bo-</i> <i>hemia and Hungary</i> , <i>April</i>	11
1792	The <i>French</i> Monarchy altered to a Republic, <i>Sept.</i>	11
1793	The <i>French</i> King, <i>Louis XVI.</i> beheaded, <i>Jan. 21</i>	10
1794	The <i>French</i> defeated by <i>Lord Howe</i> , <i>June 1</i>	9
1796	<i>Prince of Wales</i> married, <i>April 8</i>	8
1797	<i>Spanish Fleet</i> defeated by <i>Earl St. Vincent</i> , <i>Feb.</i> <i>14</i>	6
1797	<i>Princess Royal</i> married to the Duke of <i>Wirtem-</i> <i>berg</i> , <i>May 18</i>	6
1797	<i>Dutch Fleet</i> defeated by <i>Lord Duncan</i>	6
1798	<i>French Fleet</i> destroyed by <i>Lord Nelson</i>	5
1801	<i>French</i> make a Peace with <i>Germany</i>	5
1801	A general Peace with <i>France</i>	2

ACCOUNT OF THE ECLIPSES,

AND OTHER

ASTRONOMICAL APPEARANCES,

In the Year, 1803.

WITHIN the limits of this year, there will be two Eclipses of the *Sun*, and as they fall about six months distance from each other, we must expect no eclipse of the *Moon*, for the reason given by the great KEPLER. *Epit. Astr.* p. 881. for which reason also, such solar eclipses are seldom visible in these northern parts of the globe; but, however, at the second of these eclipses, the *Moon* is gone so far north of the Ecliptic, as to exhibit to us a visible Eclipse of the *Sun*, and that too as is not often seen under such circumstances.

The first of these Eclipses falls on *Monday*, the 21st day of *February*, at 3 min. 28 sec. past 9 at night; consequently, invisible to all *Europe*, *Africa*, and *Asia*—but in the great south Pacific Ocean, it will be a very great Eclipse, even central and total at noon day; in 11 deg. of South Latitude, and in about 136 deg. 15 min. of West Longitude from *London*, which place falls on the globe near to the *Marquesas*, a small groupe of Islands in the aforesaid Ocean. This Eclipse will be visible also at the *Society* and *Friendly Islands*; it will be a very large Eclipse at the *Island of Otaheite*, which was first discovered by *Capt. Wallis*, in the year 1767, who called it *George the Third's Island*. Here follows a synopsis of the calculation to the meridian of *London*, made many years ago by *Mr. Andrews*, of *Royston*, but at that time at *Frieston*, in the parish of *Caythorpe*, near *Grantham*, in *Lincolnshire*.

A.D.

Years
since.

1715	A Rebellion in <i>Scotland</i> and <i>Lancashire</i> suppressed	88
1716	A great Frost in the Beginning of this Year	87
1718	The <i>Spanish</i> Fleet destroyed by Admiral <i>Byng</i>	85
1719	A surprising Meteor seen, <i>March</i> 19, at 8 at Night	84
1719	Mr. <i>Flamsteed</i> , a celebrated Astronomer, died <i>Dec.</i>	84
	31	
1727	The incomparable Sir <i>Isaac Newton</i> died <i>Mar.</i> 20	76
1727	K. <i>George</i> I. died <i>June</i> 11, and K. <i>George</i> II. began	76
1736	The Prince and Princess of Wales married, <i>Apr.</i> 27	67
1739	Letters of <i>Marque</i> published in <i>London</i> against the	
	<i>Spaniards</i> , <i>July</i> 16.	64
1739	War declared by <i>Great Britain</i> against <i>Spain</i>	64
1739	<i>Porto-Bello</i> taken and destroyed by Adm. <i>Vernon</i>	64
1740	A very severe Frost from <i>Dec.</i> 25, to <i>Feb.</i> 27	63
1742	A Comet appeared from <i>Feb.</i> 18, to <i>March</i> 14	61
1743	A splendid Comet appeared from <i>Dec.</i> 23, to <i>Feb.</i>	
	18, in γ	60
1744	<i>Mar.</i> 4, <i>France</i> declar. War against <i>England</i> ; and	
	<i>Mar.</i> 31, <i>England</i> declared War against <i>France</i>	59
1745	<i>Cape Breton</i> taken from the <i>French</i> , <i>June</i> 16	58
1746	The <i>Scotch</i> Rebels defeated by the Duke of <i>Cum-</i>	
	<i>berland</i> , at <i>Calloden</i> , near <i>Inverness</i> , <i>April</i> 16	57
1748	A general Peace signed <i>October</i> 7	55
1749	<i>Cape Breton</i> restored to the <i>French</i>	54
1750	The <i>British</i> Fishery established	53
1751	The Prince of Wales died <i>March</i> 20	52
1752	The Date and Calendar altered	51
1755	<i>Lisbon</i> destroyed by an Earthquake, <i>Nov.</i> 1	48
1756	<i>England</i> declared War against <i>France</i> , <i>May</i> 18	47
1756	<i>Minorca</i> taken by the <i>French</i> , <i>June</i> 27	47
1757	Count <i>Brown</i> defeated by the King of <i>Prussia</i> , near	
	<i>Prague</i> , <i>May</i> 6.	46
1757	The King of <i>Prussia</i> defeated by Count <i>Daun</i> , at	
	<i>Collin</i> , <i>June</i> 18	46
1758	<i>French</i> defeat. at <i>Crevell</i> , by Pr. <i>Ferdinand</i> , <i>June</i> 23	45
1758	Lord <i>Howe</i> slain, <i>July</i> 6, and Gen. <i>Abercrombie</i>	
	repulsed at <i>Ticonderoga</i> , <i>July</i> 8	45
1758	<i>Cape Breton</i> taken by the <i>English</i> , <i>July</i> 26	45

A. D.

A.D.		Year
1758	The <i>Russians</i> defeated at <i>Zorndorff</i> by the King of <i>Prussia</i> , <i>Sept. 25</i>	face
1759	The Island of <i>Guadaloupe</i> taken by Gen. <i>Barrington</i> and <i>Commodore Moore</i> , <i>May 1</i>	44
1759	<i>French</i> defeated at <i>Minden</i> , by <i>Pr. Ferdinand</i> , <i>Aug. 1</i>	44
1759	The King of <i>Prussia</i> defeated at <i>Cunnersdorff</i> by the Count <i>de Soltikoff</i> , <i>August 12</i>	44
1759	Gen. <i>Wolfe</i> slain, though victorious, <i>Sept. 13</i> , and <i>Quebec</i> taken, <i>Sept. 18</i> , by Gen. <i>Townshend</i>	44
1760	<i>Montreal</i> taken by Gen. <i>Amherst</i> , <i>Sept. 8</i>	43
1760	<i>K. Geo. II.</i> died <i>Oct. 25</i> , and <i>Geo. III.</i> succeeded	43
1761	<i>Pondicherry</i> taken by <i>Col. Gooker</i> , <i>Jan. 15</i>	42
1761	<i>K. Geo. III.</i> married <i>Q. Charlotte</i> , <i>Sept. 8</i>	42
1761	<i>K. Geo. III.</i> crowned, <i>Sept. 22</i>	42
1762	The Island of <i>Martinico</i> taken by Gen. <i>Manckton</i> , and <i>Adm. Rodney</i> , <i>Feb. 14</i>	41
1762	<i>George Prince of Wales</i> born, <i>August 12</i>	41
1762	The <i>Havannah</i> taken by <i>Lord Albemarle</i> and <i>Sir George Pocock</i> , <i>August 12</i>	41
1763	A general Peace in all <i>Europe</i>	40
1763	<i>Duke of York</i> born <i>Aug. 16</i>	40
1765	<i>Duke of Clarence</i> born <i>August 24</i>	38
1766	<i>Duchess of Wirtemberg</i> born <i>Sept. 29</i>	37
1767	<i>Duke of Kent</i> born <i>Nov. 2</i>	36
1768	<i>Princess Augusta-Sophia</i> born <i>Nov. 8</i>	35
1770	<i>Princess Elizabeth</i> born <i>May 22</i>	33
1771	<i>Duke of Cumberland</i> born <i>June 5</i>	32
1772	<i>Swedes</i> resign their <i>Liberties</i> to the King	31
1773	<i>Duke of Cambridge</i> born <i>Jan. 27</i>	30
1773	The <i>Light Gold</i> received	30
1774	<i>Duke of Sussex</i> born <i>Feb. 24</i>	29
1775	War commenced against the <i>North-Americans</i>	28
1776	<i>Princess Mary</i> born <i>April 25</i>	27
1776	The <i>Americans</i> declare themselves independent	27
1777	<i>Princess Sophia</i> born <i>Nov. 3</i>	26
1778	The <i>French</i> sign a Treaty with the <i>Americans</i>	25
1778	War begun against the <i>French</i>	25
1779	War commenced against the <i>Spaniards</i>	24
1780	War against the <i>Dutch</i> begun	23
1783	A general Peace	20
1783	<i>Princess Amelia</i> born <i>Aug. 7</i>	20

A.D.		Years since.
1783	New Volcanic Island appeared near <i>Iceland</i>	20
1783	More than 40,000 People perished by Earthquakes in <i>Italy</i>	20
1783	Peace with <i>France, Spain, and America</i> , concluded <i>Sept. 3</i>	20
1784	A general Peace concluded, <i>July 2</i>	19
1784	Seventeen Districts in <i>Iceland</i> desolated, by a sub- terraneous Fire	19
1786	Commercial Treaty with <i>France</i> signed <i>Sept. 26</i>	17
1788	His Majesty <i>George III.</i> seized with a dangerous Disorder	15
1789	<i>April 23</i> , the King, Royal Family, &c. went in State to <i>St. Paul's</i> , being a Day of General Thanksgiving for His Majesty's Recovery	14
1789	Revolution in <i>France</i>	14
1790	<i>Joseph II.</i> Emperor of <i>Germany</i> died <i>Feb. 20</i>	13
1790	<i>Henry Frederick</i> , Duke of <i>Cumberland</i> , died <i>Sept.</i> <i>18</i>	13
1792	<i>Leopold</i> , Emperor of <i>Germany</i> , died <i>March 1</i>	11
1792	<i>Gustavus</i> , King of <i>Sweden</i> , shot by <i>Ankerstrom</i> , <i>March 16.</i> died <i>March 29</i> following	11
1792	War declared by <i>France</i> against the King of <i>Bo-</i> <i>hemia and Hungary, April</i>	11
1792	The <i>French</i> Monarchy altered to a Republic, <i>Sept.</i>	11
1793	The <i>French</i> King, <i>Louis XVI.</i> beheaded, <i>Jan. 21</i>	10
1794	The <i>French</i> defeated by Lord <i>Howe</i> , <i>June 1</i>	9
1796	Prince of <i>Wales</i> married, <i>April 8</i>	8
1797	<i>Spanish</i> Fleet defeated by Earl <i>St. Vincent</i> , <i>Feb.</i> <i>14</i>	6
1797	Princess Royal married to the Duke of <i>Wirtem-</i> <i>berg, May 18</i>	6
1797	<i>Dutch</i> Fleet defeated by Lord <i>Duncan</i>	6
1798	<i>French</i> Fleet destroyed by Lord <i>Nelson</i>	5
1801	<i>French</i> make a Peace with <i>Germany</i>	3
1801	A general Peace with <i>France</i>	2

ACCOUNT OF THE ECLIPSES,

AND OTHER

ASTRONOMICAL APPEARANCES,

In the Year, 1803.

WITHIN the limits of this year, there will be two Eclipses of the *Sun*, and as they fall about six months distance from each other, we must expect no eclipse of the *Moon*, for the reason given by the great KEPLER: *Epit. Astr.* p. 881. for which reason also, such solar eclipses are seldom visible in these northern parts of the globe; but, however, at the second of these eclipses, the *Moon* is gone so far north of the Ecliptic, as to exhibit to us a visible Eclipse of the *Sun*, and that too as is not often seen under such circumstances:

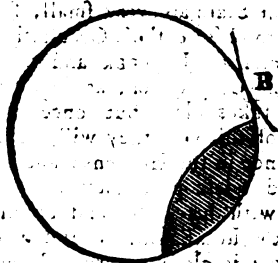
The first of these Eclipses falls on *Monday*, the 21st day of *February*, at 3 min. 28 sec. past 9 at night; consequently, invisible to all *Europe*, *Africa*, and *Asia*—but in the great south Pacific Ocean, it will be a very great Eclipse, even central and total at noon day; in 11 deg. of South Latitude, and in about 136 deg. 15 min. of West Longitude from *London*, which place falls on the globe near to the *Marquesas*, a small groupe of Islands in the aforesaid Ocean. This Eclipse will be visible also at the Society and Friendly Islands; it will be a very large Eclipse at the Island of *Otaheite*, which was first discovered by Capt. *Wallis*, in the year 1767, who called it *George the Third's Island*. Here follows a synopsis of the calculation to the meridian of *London*, made many years ago by Mr. *Andrews*, of *Royston*, but at that time at *Frieston*, in the parish of *Caythorpe*, near *Grantham*, in *Lincolnshire*.

	d.	h.	m.	s.
Equal time of the Ecliptic & Feb. - - - - -	21	9	17	33
Equation of time subtract. - - - - -			14	5
Apparent time at <i>London, Feb.</i> - - - - -	21	9	2	28
Place of the <i>Sun</i> in the Ecliptic - - - - -	X	2	22	9
Place of the <i>Moon</i> in her Orbit - - - - -	X	2	27	9
Moon's North Node - - - - -	X	2	18	54
Argument of Latitude - - - - -	9	0	3	15
True Latitude of the <i>Moon</i> , N. A. - - - - -			0	18
Horizontal Parallax of   - - - - -			61	8
Semi-diameter of the Earth's Disk - - - - -			60	58
Semi-diameter of   - - - - -			16	15
Semi-diameter of the Penumbra - - - - -			16	43
Sum. Sem.  's Disk and Penumbra - - - - -			32	58
Difference - - - - -			93	56
			28	0

Hence, because the Semi-diameter of the Earth's Disk and Penumbra exceeds the *Moon's* true Latitude at the time of the true conjunction, proves the *Sun* will be eclipsed somewhere on the Earth: and, because the true Latitude of the *Moon* is less than the Semi-diameter of the Earth's Disk, shews the *Sun* will be centrally eclipsed somewhere on the Earth at that time. Lastly, because the difference between the Earth's Disk and Penumbra is more than the *Moon's* true Latitude, demonstrates, that all the Penumbra will fall within the Earth's Disk.

The second Eclipse will happen on *Wednesday*, the 17th of *August*, in the morning, visible here, if clouds interpose not, when about a fourth part of the *Sun's* Disk will be obscured, but more exactly according to the following calculations and type:

The apparent Time at *London* of the



	a.	h.	m.
Begin. Aug.	17	5	55
Middle		6	42
End		7	31
Duration		1	36
Digits eclipsed		3	12

This Eclipse will begin on the Right-hand of the Sun, as at, B, and will end near the Sun's lowermost point. The above Type is the appearance of the Eclipse expected at *London*, at the time of the middle, and will very nearly serve the whole kingdom.

Siderum Congressus.

On *Thursday*, the 3d of *March*, the Moon eclipses a Star of the 5th magnitude in π , and, if the air be clear, will be visible here, as will the following Immersion at *London*, at 58 min. past 5 o'clock in the evening; and Emerision at 12 min. past 7, apparent time.

On *Saturday*, the 2d of *April*, the Moon eclipses another Star of the 5th magnitude in Ω , when the Immersion takes place at 2 min. past 7 in the evening, and the Emerision will be at 46 min. past 7, apparent time at *London*.

On *Monday, October* the 31st, at night, the *Moon* eclipses the Star *Eta* in the *Pleiades*, which is of the 3d magnitude; the *Immersion* will be at 49 min. past 5 o'clock; and the *Emerision* will be at 37 min. past 6, apparent time at *London*. The *Moon* will eclipse others of the *Seven Stars* at the same time. As these Stars are very small, some sort of telescope must be used to observe these Occultations.—*Note*, The two great superior Planets, *JUPITER* and *SATURN*, are now separating from their *Conjunction*, as seen from the *Earth*, which conjunction takes place but once in twenty years. During the *Spring* of this year they will, as in the last year, make a fine appearance in the *Heavens*; and to those that are furnished with good telescopes, they will be beautiful to behold. *Jupiter*, with his Belts and *Satellites*; and the Planet *Saturn*, with his *Satellites* and wonderful *Ring*; though the *Ring* now is closing very fast, as seen from the *Earth*. *Jupiter* has got to the Eastward of *Saturn*, and will soon leave him far behind. On the 1st of *January*, 1801, M. *PIAZZI*, Astronomer Royal, at *Palermo*, in *Sicily*, discovered another *Primary Planet*. In order to preserve the honour of this discovery; as well as the observations, to himself, he kept it secret until the 11th of *February*; when falling ill, he was obliged to discontinue his observations, and so lost its track; but early this year (1802) it was discovered again, by the honourable perseverance of the Rev. Dr. *Mackelyle*, his Majesty's Astronomer Royal at *Greenwich*. It is about half as large as the *Moon*, and one third of the distance between *Mars* and *Jupiter*, and performs its period round the *Sun* in about four years and a half; it is named *Ceres Ferdinandia*, in honour of the goddess, patroness of *Sicily*, and the reigning Monarch of that Island and *Naples*. It appears as a Star of the 8th magnitude, therefore much smaller than the *Georgium Sidus*, which was first discovered by Dr. *Herschel* in the month of *March*, 1781. This Planet moves very slowly round the *Sun*, in not less a period than about eighty-two years.

Of the FOUR QUARTERS of the YEAR 1803;

WITH A SUMMARY

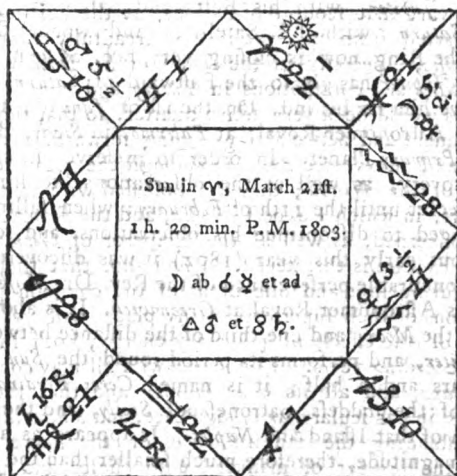
VIEW OF THE POSITIONS AND INFLUENCES

OF THE

PLANETS therein.

Of the SPRING QUARTER.

A SCHEME of the SUN'S Ingress into ARIES.



THIS Quarter begins when the Sun apparently touches the first point of the Equinoxial Sign *Aries*, which happens this year upon the 21st day of *March*, at 20 min. past one o'clock in the afternoon, when 22 deg. of *Aries* is on the Meridian, and 11 deg. of *Leo* ascends; and by taking a survey of the figure, I find the Sun is in a direct 8 of ♄, as he was of ♄ but a few days ago, and in about 9 days more, he will come to a ☐ aspect of ♄, and that from Cardinal Signs.

The $\odot$ ad $\odot$ ad Δ $\odot$ et $\odot$ $\frac{1}{2}$. Thus stands the face of the Heavens at this Vernal Ingress, which I think is no ways very favourable to some countries, notwithstanding a Peace has been lately concluded; for the effects of the great Conjunction of JUPITER and SATURN (besides the above) are now operating in force, and has been for some months back, and that with respect to the prevalency of pestilential and contagious fevers, which has been almost universal, and dreadfully felt in some places, to the great distress of many families, which this Conjunction denoted. It also denoted great floods and inundations of waters, which, I am happy to say, was not felt in this Island, but it was most dreadfully so in many other places; as in *Italy, France, and Germany, &c.* And though war, that scourge of nations, at the writing of this, has departed from us, yet it has dreadfully raged in the *West Indies*, especially in the Island of *St. Domingo*. Also I expect wars and commotions in *Turkey and Egypt*. It seems as if this would be a very active quarter, so that there will be very eminent and active doings going forward, perhaps some sudden and unexpected *divisions* amongst the great Powers and Rulers of the World; they are possessed with many doubts and fears, in which I expect *Prussia*, and the *French Republic*, to be concerned, as well as the Emperor of *Germany*. The *Turkish Empire* is threatened. I find also, that there will be great murmurings and discontent of the common people, at the actions of their superiors; many places will yet be made sensible of the effects of planetary energy, both in this and some succeeding years. I hope and wish all may continue well in *England*, and all its connections, and that the City of LONDON in particular may enjoy Peace, and a flourishing trade, notwithstanding the sad influences of the heavenly bodies incline the temper of mankind unto choler and passion, to wrangle and contest, one neighbour with another; one potentate is provoked against another.

Why waste we life in years of anxious pain
 With fears tormented, and blind love of gain?
 Worn old with cares, nor age, which in th' acquiescence
 We lose, and with no end of wishes blest,
 Act as to live still, yet ne'er live indeed;
 So much more poor, as our desires exceed.

What

What we have not, we covet; what we have,
 We count not; and through nature little crave:
 We hoard up matters for vast luxury,
 And purchase spoil with superfluity:
 With gain buy loss, as if the end of all
 Our wealth, were only to be prodigal.

Lay, mortals, lay these cares and follies by,
 All govern'd is by changeless destiny;
 That rules the world, and time's long courses run
 In a link'd series, not to be undone.—
 E'en in our birth we die, and our last end
 Does on our life's original depend.

THE SUMMER QUARTER.

This Quarter begins on *Wednesday*, the 22d day of *June*, at 2 min. past 11 in the morning, when 17 deg. of π is on the *Med. Cæli*, and 20 deg. of μ is on the angle of the East.—Here *Mercury* is Almuton of the Ascendant, in a * aspect of γ . The *Moon* is also in a * aspect of φ , but applying to a Conjunction of δ . The two superior Planets, *JUPITER* and *SATURN*, are situated near the Cusp of the Eastern Angle, in the earthly Sign μ , and are within 12 deg. of each other. Thus are the Planets configured at this Ingress, and I must confess that it is more promising than that of the Spring Quarter, especially, I hope, to this nation, inclining men's minds to peace and concord, but not so to every country, for μ is the true Ascendant of *Paris*, and some other parts of *France*; it looks as if that nation meant to disturb some other Powers. I hope our Government will be cautious, and use endeavours to prevent a future war, at least for some time yet to come, for I have still reason to fear, for I have reason to expect broils, disturbances, tumults, and insurrections in many places. I hope no contagious distemper may break out amongst the horned cattle, or amongst men; and that the fruits of the earth may come to perfection, as this Conjunction of *Saturn* and *Jupiter*, that has lately past, seems to aggravate very much. The diseases of this quarter are like to be desfluxions of rheums, consumptions, leprosy, convulsions, pleurifies, and burning fevers, pestilence, and sore eyes, and many others which may acquire the skill of the ablest physicians to cure.

THE AUTUMN QUARTER.

This Quarter begins when the *Sun* enters the Equinoctial Sign *Libra*, which happens this year on *Friday, September* the 23d, at 50 min. past 12 at night; at which time, 14 deg. of *Aris* is on the Mid-Heaven, and 6 deg. of *Leo*, ascends in the East. All the Planets are Sub-Terra. The ☽ ab □ ♀ et □ ♄ et * of ♀ and ♂, and thence ad vac. ☿ of ♄. Thus stands the face of the Heavens at this Ingress; from whence I infer, that things are coming on with great craft and subtilty, in all the different courts in *Europe*, &c. Men of viperous and sordid principles will be very active to instil pernicious councils into Princes and their Ministers, with a view and intention to undermine and defeat the good councils which good Ministers endeavour to set on foot, and carry on for the public good. The ☿ of ♂ and ♀ in this figure, and posited under the Earth, give much reason to fear the highways will be much infested by thieves; much robbing, thieving, and stealing, all over the kingdom, during the ensuing Autumn and Winter.

THE WINTER QUARTER.

This Quarter begins when the *Sun* enters tropical Sign *Capricorn*, which I find happens this year on *Thursday*, the 22d day of *December*, at 36 min. past 5 o'clock in the afternoon; at which time 23 deg. of ♄ is on the Med. Cælis; and 22 deg. of ♄ ascends in the East; the *Moon*, Lady thereof, in □ of ♀ and ♂ of ♄. The *Sun* applies to * * aspect of ♄ and □ of ♄. Thus are the Heavens configurated at this Ingress. From hence, I say, God directs men's minds to require justice, and their superiors to incline thereto. The minds of men are various, their actions many, and of different natures. From the position of the Planets at this ingressional figure, we may expect cold winds, nipping frosts, and plentiful falls of snow and rain. I now conclude the Four Quarters of the Year with wishing health and happiness to all mankind.

F I N I S.

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