

Ὀλύμπια Δώματα.

O R, A N

ALMANACK

For the YEAR of

Our LORD GOD, 1764,

Being BISSEXTILE, or LEAP-YEAR

And from the World's Creation, 5763.

Wherein is 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 Polish Town of *Stanford* (formerly a famous Univerſity) whose latitude is 52 Deg. 40 Min. ſituated all the middle Counties of ENGLAND, and without ſenſible Error the whole Kingdom.

Non eſt e Terris mollis ad Aſtra Via.

By **TYCHO WING**, Ph. Doct.

L O N D O N.

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Common NOTES for the YEAR 1764:

The Golden Number	17
Epa ^c t	26
Cycle of the Sun	9
Dominical Letters	A G
Roman Indiction	12
Number of Direction	32

A TABLE of TERMS and their RETURNS.

Hilary Term begins *Jan. 23*, ends *Feb. 13*.

Returns or Effoign-days.		Exc.	Ret.	Ap	W. D.
In eight Days of St. <i>Hilary</i> ,	<i>Jan. 20</i>	21	22	23	Mond.
From the Day of St. <i>Hilary</i> in 15 Days,	27	28	29	30	Mond.
On the Morrow of the Purif. Blessed <i>Mary</i> ,	<i>Feb. 3</i>	4	5	6	Mond.
In eight Days of the Purif. of Blessed <i>Mary</i> ,	9	10	11	13	Mond.

Easter Term begins *May 9*, ends *June 4*.

From the Day of Easter in 15 Days,	<i>May 6</i>	7	8	9	Wedn.
From the Day of Easter in 3 Weeks,	13	14	15	16	Wedn.
From the Day of Easter in 1 Month,	20	21	22	23	Wedn.
From the Day of Easter in 5 Weeks,	27	28	29	30	Wedn.
On the Morrow of the Ascension,	<i>June 1</i>	2	3	4	Mond.

Trinity Term begins *June 22*, ends *July 11*.

On the Morrow of the Holy Trinity,	<i>June 18</i>	19	20	22	Friday
In eight Days of the Holy Trinity,	24	25	26	27	Wedn.
From the Day of the H. Trin. in 15 Days,	<i>July 1</i>	2	3	4	Wedn.
From the Day of the H. Trinity in 3 Weeks,	8	9	10	11	Wedn.

Michaelmas Term begins *Nov. 6*, ends *Nov. 28*.

On the Morrow of All Souls,	<i>Nov. 3</i>	4	5	6	Tuesd.
On the Morrow of St. Martin,	12	13	14	15	Thurs
In eight Days of St. Martin,	18	19	20	21	Wedn.
In 15 Days of St. Martin,	25	26	27	28	Wedn.

N. B. No Sittings in *Westminster-Hall* on Ascension-day, Midsummer-day, and the 2d of *February*.

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

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

W I N G 1764.

The Regal Table.

The Year, Month, and Day, when each King and Queen began to Reign, accounting the Year to begin *Jan. 1.* Length of each Reign, accountin.²⁸ D. a Month. Number of Years expired since they began to Reign.

Kings Names began to reign	Y.	M.	D.	Beg	Kings Names.	
William I.	1066	Oct.	14	20 11 22	698	William 1
William II.	1087	Sept.	9	12 11 18	677	William 2
Henry I.	1100	Aug.	1	35 4 12	664	Henry 1
Stephen	1135	Dec.	2	18 11 19	629	Stephen
Henry II.	1154	Oct.	25	34 9 2	610	Henry 2
Richard I.	1189	July	6	9 9 22	575	Richard 1
John	1199	April	6	17 7 1	565	John
Henry III.	1216	Oct.	19	56 1 1	548	Henry 3
Edward I.	1272	Nov.	10	34 8 9	492	Edward 1
Edward II.	1307	July	7	19 7 6	457	Edward 2
Edward III.	1327	Jan.	25	50 5 7	437	Edward 3
Richard II.	1377	June	21	22 3 16	387	Richard 2
Henry IV.	1399	Sept.	29	13 6 4	365	Henry 4
Henry V.	1413	Mar.	20	9 5 24	351	Henry 5
Henry VI.	1422	Aug.	31	38 6 17	342	Henry 6
Edward IV.	1461	Mar.	4	22 1 8	303	Edward 4
Edward V.	1483	April	9	0 2 18	281	Edward 5
Richard III.	1483	June	22	2 2 5	281	Richard 3
Henry VII.	1485	Aug.	22	23 8 19	279	Henry 7
Henry VIII.	1509	Apr.	22	37 10 1	255	Henry 8
Edward VI.	1547	Jan.	28	6 5 19	217	Edward 6
Q. Mary I.	1553	July	6	5 4 22	211	Q. Mary 1
Q. Elizabeth	1558	Nov.	17	44 4 15	206	Q. Elizabeth
James I.	1603	Mar.	24	22 0 3	161	James 1
Charles I.	1625	Mar.	27	33 11 1	139	Charles 1
Charles II.	1649	Jan.	30	36 0 7	113	Charles 2
James II.	1685	Feb.	6	4 0 17	79	James 2
Will. 3. & M.	1689	Feb.	13	13 0 14	7	William 3
Q. Anne	1702	Mar.	8	12 5 6	62	Q. Anne
George I.	1714	Aug.	1	12 11 6	50	K. George 1
George II.	1727	June	11	33 4 13	37	K. George 2
George III.	1760	Oct.	25	Whom God grant long to reign.		

A Table of the Moon's Southings, of excellent Use to find the Time of High-Water, and Hour of the Night, for the first six Months of this present Year 1764.

Days	Jan.		Feb.		March		April		May		June	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	10	M 4	11	M 37	11	M 10	0	A. 1	0	A 11	1	A. 26
2	11	5	0	A 28	11	53	0	41	0	58	2	21
3	0	6	1	13	0	A. 35	1	22	1	46	3	14
4	1	4	1	56	1	15	2	7	2	38	4	5
5	1	57	2	37	1	54	2	54	3	32	4	54
6	2	44	3	15	2	36	3	44	4	26	5	42
7	3	28	3	54	3	17	4	36	5	20	6	29
8	4	9	4	36	4	2	5	31	6	11	7	14
9	4	48	5	19	4	50	6	27	7	0	8	3
10	5	26	6	5	5	42	7	21	7	49	8	56
11	6	6	6	55	6	36	8	13	8	37	9	52
12	6	46	7	40	7	34	9	3	9	26	10	53
13	7	31	8	45	8	31	9	54	10	18	11	58
14	8	20	9	43	9	25	10	45	11	14	Morn.	
15	9	12	10	41	10	18	11	36	Morn.		1	3
16	10	8	11	36	11	11	Morn		0	14	2	5
17	11	6	Morn.		Morn.		0	31	1	18	3	1
18	Morn.		0	27	0	1	1	30	2	24	3	52
19	0	4	1	19	0	52	2	30	3	27	4	38
20	0	59	2	8	1	45	3	35	4	24	5	20
21	1	51	2	58	2	40	4	39	5	18	6	0
22	2	40	3	49	3	39	5	38	6	6	6	40
23	3	28	4	42	4	40	6	33	6	49	7	19
24	4	16	5	39	5	40	7	22	7	29	8	0
25	5	5	6	39	6	40	8	7	8	8	8	45
26	5	54	7	39	7	37	8	48	8	51	9	32
27	6	47	8	38	8	28	9	29	9	34	10	22
28	7	45	9	34	9	17	10	7	10	17	11	13
29	8	44	10	24	10	1	10	47	11	3	0A. 8	
30	9	45			10	41	11	28	11	49	1	4
31	10	43			11	22			0A. 37			

Note. The Moon, or any Star, is said to be South, when they appear in that Quarter of the Heavens in which the Sun is at Noon Day, which for the Moon this Table will direct

A Table of the Moon's Southings, of excellent Use to find the Time of *High-Water*, and Hour of the Night, for the last six Months of the present Year 1764.

Days	July.		Aug.		Sept.		Oct.		Nov.		Dec.	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	1A.	56	3A.	2	4A.	27	5A.	33	7A.	13	7A.	15
2	2	46	3	49	5	26	6	34	7	59	7	54
3	3	35	4	38	6	27	7	31	8	42	8	35
4	4	21	5	29	7	29	8	24	9	22	9	16
5	5	7	6	25	8	30	9	12	10	2	9	59
6	5	53	7	24	9	26	9	56	10	44	10	45
7	6	43	8	26	10	18	10	38	11	25	11	33
8	7	34	9	30	11	5	11	19	Morn.		Morn.	
9	8	33	10	29	11	49	11	59	0	10	0	24
10	9	35	11	24	Morn.		Morn.		0	55	1	16
11	10	39	Morn.		0	30	0	41	1	45	2	7
12	11	42	0	16	1	12	1	23	2	36	2	59
13	Morn.		1	2	1	53	2	9	3	28	3	46
14	0	41	1	46	2	35	2	58	4	21	4	32
15	1	35	2	27	3	19	3	48	5	12	5	16
16	2	24	3	9	4	5	4	39	5	59	6	0
17	3	9	3	51	4	55	5	34	6	46	6	45
18	3	51	4	32	5	46	6	27	7	30	7	33
19	4	31	5	17	6	41	7	17	8	17	8	24
20	5	12	6	5	7	35	8	6	9	5	9	21
21	5	53	6	56	8	29	8	54	9	56	10	23
22	6	36	7	47	9	21	9	42	10	53	11	29
23	7	22	8	43	10	10	10	31	11	54	0A.	36
24	8	10	9	40	11	0	11	23	1A.	0	1	40
25	9	2	10	32	11	49	0A.	18	2	8	2	37
26	9	56	11	24	0A.	39	1	17	3	12	3	28
27	10	52	0A.	13	1	31	2	20	4	11	4	14
28	11	46	1	3	2	28	3	26	5	3	4	58
29	0A.	38	1	51	3	27	4	30	5	51	5	39
30	1	28	2	40	4	30	5	30	6	35	6	19
31	2	15	3	31			6	25			6	59

you; and for the Planets and most remarkable fix'd Stars, their Southings are noted in every Month in the Year, by which the Hour of the Night may be readily discover'd.

W I N G 1764.

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

I. To find the Time of High-Water in most Ports of ENGLAND.

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, Wincheſea, 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, Tinnouth, Whitby, Hartlepool,</i>	3 00
<i>Scarborough, Berwick, Fluſhing, Staples,</i>	3 45
<i>Flamborough, Humber, Bridlington-Bay,</i>	4 30
<i>Plymouth, Ramſey, 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>Bridgwater, Milford-Haven, Lizard, Wintertown,</i>	7 30
<i>Yarmouth, Iſle of White, the Needles,</i>	8 15
<i>Iſle of Man, Orkney, Pool, South-Foreland,</i>	9 10
<i>Dover, Harwich, Orfordneſs, Bullſin,</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.

The Kalendar explain'd.

The Left-hand Pages contain at Top,

The New and Full Moons with their Quarters; also the Rising and Setting of *Jupiter* and *Venus* to every sixth Day.

Below which are seven Columns.

The first is the Days of the Month. The second the Day of the Week, *Sundays* being marked with the Dominical Letter for the Year.

The third Column contains the Fasts and Festivals of the *Church of England*, and other remarkable Days, as also the Hour and Minute of the Sun's Rising and Setting on certain Days, with other useful Particulars.

The fourth is the Nightly Rising and Setting of the Moon.

The fifth contains the Moon's true Place in Longitude, exactly Calculated from New and Correct Tables.

The sixth contains the Moon's true Declination for every Day at Noon in the Meridian of *London*.

The seventh contains the Planets Mutual Aspects and Variation of the Air.

On the Tops of the Right-hand Pages

Are nine Columns, containing the true Longitude and Declination of *Saturn*, *Jupiter*, *Mars*, and *Venus*, to every 6th Day of the Month.

Below which

Are four other Columns. The first is the Days of the Month.

The second Column contains the Sun's true Place.

The third is the Sun's Declination.

The fourth Column, under Observations; you have the Rising, Southing, and Setting of *Saturn*, *Mars*, and *Mercury* to certain Days; also the Moon's Appulse to some noted fixed Stars, and Planets, with many other useful Remarks.

Note. You have the Longitude and Declination of *Mercury*, in the Page after *December*.

January 1764.

New Moon the 3d day, at 10 in the morn.

First Quarter the 11th day, at 5 in the morn.

Full Moon the 18th day, at midnight.

Last Quarter the 25th day, at 10 at night.

Days	Jupiter sets	Venus sets
1	5 M 41	5 A 13
7	5 12	5 29
13	4 44	5 45
19	4 17	6 4
25	3 51	6 24

M	W	Holy-Days	Moon	Moon's	Moon's	Aspects and
D	D	☉ rises & sets.	rises.	Place.	Declin.	Weather.
1	A	1 Sun. aft. Chri.	6M 36	15 ♄ 37	27 S 15	Circumcision
2	M		7 53	29 45	28 25	♄ ♃ ♄
3	T	Sun rises 8 8	☾ sets	13 W 39	27 45	
4	W	Sun sets 3 53	4A 50	27 15	25 24	☐ ♃ ♀ cold
5	T	Old Chri. Day	6 9	10 ☉ 31	21 43	Rein, with
6	F	Epiphany.	7 29	23 25	17 6	some Sleet
7	S		8 44	5 ♄ 58	11 51	☐ ♄ ♀
8	A	1 Sun. af. Epiph	9 55	18 13	6 16	
9	M	Plow Monday	11 5	0 ♃ 15	0 33	Δ ♃ ♀
10	T	Day br. 5 54	Morn.	12 6	5 N 6	
11	W		0 15	23 54	10 33	Sharp Winds
12	T	Old N. Year. da.	1 24	5 ♃ 43	15 39	☐ ♃ ♀ and
13	F	Cam Term be.	2 37	17 39	20 12	[Hilary] frosty
14	S	Oxf. Term beg.	3 52	29 48	24 0	Weather.
15	A	2 Sun. af. Epiph.	5 9	12 ♀ 12	26 47	
16	M		6 18	24 25	28 17	Δ ♃ ♀
17	T	Old Twelfth d.	7 19	7 ♄ 58	28 16	
18	W	Q. Cha. B. D. kept	4A 38	5 ♀ 1	23 22	
19	T		6 5	18 56	18 46	Moder. Weath.
20	F	Fabian	7 32	3 ♄ 1	13 3	☐ ☉ ♃ for
21	S	Agnes	8 57	17 11	6 38	the Sealon
22	A	3 Sun. af. Epiph.	10 22	1 ☉ 23	0 S 5	
23	M	Term begins	11 47	15 33	6 49	
24	T		Morn.	29 40	13 12	
25	W	Conve. St. Paul	1 15	13 M 44	18 54	
26	T	Sun rises 7 40.	2 43	27 43	23 31	Δ ☉ ♃ Rain
27	F	Sun sets 4 21	4 10	11 ♄ 38	26 46	and Wind at
28	S	Daybreak 5 35	5 30	25 26	28 23	the End
29	A	4 Sun. af. Epiph.	6 32	9 W 5	23 14	* ♃ ♀
30	M	K. Char. I. mar.	7 17	22 33	26 25	
31	T					

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*Hannah Waterfall came Frid: the 20th
p. her 3: & she stays againe*

Wing.	Days	Saturn.		Jupiter		Mars.		Venus.	
		♄	R Declin.	♃	R Declin.	♂	Declin.	♀	Declin.
	1	0	10 9N 26	8	7 21N 4	1	11 10S 37	27	7 22 S 7
	7	0D.	51 9 27	7	35 21 0	4	35 11 46	4 ^{ww} 38	20 34
Janu.	13	0	56 9 31	7	10 20 57	7	57 12 53	12	8 18 40
1764.	19	1	6 9 36	6	52 20 56	11	17 13 58	19	38 16 26
	25	1	19 9 43	6	41 20 55	14	32 14 59	27	7 13 57

M	D	a's Place.	Sun's Declin.	Observations.
A	10	40	23 S.	3 Saturn sets 7 min. past 2 in the morn.
	2	11 42	22 58	Seven Stars south 41 m. after 8 at night.
	3	12 43	22 52	Mars rises at 2 in the morning.
	4	13 44	22 46	The sun from far peeps with a sickly face,
	5	14 45	22 40	Too weak the clouds and mighty fogs to
	6	15 46	22 33	chafe,
	7	16 47	22 26	When up the skies he shoots his rosy head,
A	17	49	22 18	Or in the ruddy ocean seeks his bed.
	9	18 50	22 9	
	10	19 51	22 1	Aldebaran south 54 min. after 8 at night
	11	20 52	21 52	♃ in Apogeo farthest from the earth.
	12	21 53	21 42	Day increased 26 minutes.
	13	22 54	21 32	
	14	23 55	21 22	Saturn sets 11 min. after 1 in the morn.
A	24	57	21 11	Mars rises 46 min. past 1 in the morning
	16	25 58	21 0	Seven Stars south 40 min. after 7 at night
	17	26 59	20 48	
	18	28 0	20 36	Day increased 42 minutes.
	19	29 1	20 24	Day 8 hours 18 minutes long.
	20	30 2	20 11	Sun enters ♋ 3 min. aft. 11 in the morn.
	21	1 3	19 58	Saturn sets 18 m. before 1 in the morn.
A	2	4 19	4 4	Mars rises 38 min. after 1 in the morn.
	23	3 5	19 30	
	24	4 6	19 10	♃ in Perigeo, nearest to the earth
	25	5 7	19 1	Mercury sets 56 min. after 5 at night.
	26	6 8	18 46	Rigel south 27 min. past 8 at night.
	27	7 9	18 31	Pollux south 51 min. after 10 at night.
	28	8 10	18 16	Sirius south 51 min. after 9 at night.
A	9	11 18	0	
	30	10 12	17 43	Mercury's greatest vespertine Elong. from
	31	11 12	17 27	the Sun 18° 15' sets 1h. 42m. after him.

February 1764.

New Moon the 2d day, at 1 in the morn.
First Quarter the 10th day, at 3 in the morn.
Full Moon the 17th day, at 1 in the aftern.
Last Quarter the 24th day, at 6 in the morn.

Date	Jupiter sets.	Venus sets.
1	3 M 23	6 A 44
7	2 58	7 4
13	2 36	7 23
19	2 15	7 42
25	1 54	8 2

M	W	Holy-days	Moon	Moon's	Moon's	Aspects and
D	D	☉ rises & sets.	rises.	Place.	Declin.	Weather.
1	W		7 M 48	5 ☾ 46	23 S 9	
2	T	Purif. Vir. Mar.	☾ sets.	18 44	18 48	
3	F	Blasius.	6 A 15	1 ✕ 26	13 41	
4	S	Cloc. fast 14m.	7 30	13 51	8 8	* ♃ ♀ Sharp
5	A	☿ Sun. af. Epiph.	8 42	26 2	24	Agatha. Ai
6	M	Twilight 2h.	9 52	8 ♄ 1	3 N 21	and frosty
7	T		11 2	19 53	8 56	Weather.
8	W	Sun rises 7 18	Morn.	1 ☽ 41	14 11	
9	T	Sun sets 4 44	0 14	13 31	18 56	
10	F	Day break 5 16	1 28	25 27	22 57	Wind and Rain
11	S	Clock fast 1 5m.	2 42	7 ♀ 35	26 5	about this
12	A	☿ Sun. af. Epiph.	3 56	19 59	28 4	Time.
13	M	Term ends.	5 1	2 ☽ 44	28 36	Old Candl. day.
14	T	Valentine.	5 53	15 53	27 34	
15	W		6 30	29 25	24 55	☐ ☽ ♀ Still
16	T	Sun rises 7 3	6 56	13 ♀ 21	20 46	♃ ☉ ♀ ☽ wet
17	F	Sun sets 4 54	☽ rises.	27 37	15 17	and windy
18	S	Day br. 5 2	6 A 31	12 ♄ 7	8 56	△ ☽ ♀ Weath.
19	A	Septuagesim. Sun.	8 0	26 45	2 0	
20	M	Twilight 1 56	9 29	11 ☽ 24	5 S 1	
21	T	Clock fast 14m.	10 57	25 58	11 47	
22	W		Morn.	10 ♃ 22	17 48	* ☉ ♃ Mode-
23	T	Sun rise 6 50	0 28	24 34	22 36	rate Weather
24	F	St. Matthias.	1 58	8 ♃ 32	26 22	about this
25	S	Sun sets 5 14	3 21	22 17	28 20	Time.
26	G	Sextagesima Sun.	4 30	5 ♄ 47	28 34	
27	M		5 18	19 5	27 8	☐ ☉ ♃
28	T	Day break 4 45	5 53	2 ☾ 8	24 14	
29	W	Twilight 1 55	6 16	14 58	20 13	

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Wing.	Day.	Saturn.		Jupiter.		Mars.		Venus.								
		♄	Declin.	♃	Declin.	♂	Declin.	♀	Declin.							
	1	1	39.9N 51	6	38	20 N 56	18	15	16 S	5	5	49	10 S 47			
	7	2	1.10	1	6	43	20	58	21	23	16	56	13	16	7	51
Feb.	13	2	25.10	10	6	55	21	1	24	24	17	43	20	42	4	49
1764.	19	2	52.10	21	7	14	21	5	27	20	18	28	18	6	1	41
	25	3	23.10	33	7	40	21	11	0	10	19	8	5	28	1	27

M	Sun's Place.	Sun's Declin.	Observations.	
1	12 [☾]	13	17 S 10	Day 9 hours long.
2	13	14	16 53	Day increased 1 hour 26 minutes.
3	14	15	16 35	Mercury sets 16 min. after 6 at night.
4	15	16	16 17	Saturn sets 45 min. past 11 at night.
A	16	17	15 59	Mars rises 22 min. after 1 in the morn.
6	17	17	15 41	
7	18	18	15 22	☽ in Apogeo, furthest from the earth.
8	19	19	15 3	Procyon south 58 min. past 9 at night.
9	20	19	14 44	Day 9 hours 28 minutes long.
10	21	20	14 25	Day increased 1 hour 58 minutes.
11	22	21	14 5	
A	23	21	13 46	Pollux south 47 min. after 9 at night.
13	24	22	13 25	Saturn sets 13 min. past 11 at night.
14	25	22	13 5	Mars rises 12 min. after 1 in the morn.
15	26	23	12 45	
16	27	24	12 24	Sirius south 35 min. after 8 at night.
17	28	24	12 3	Day increased 2 hours 24 minutes.
18	29	24	11 42	Day 10 hours 2 minutes long.
A	☿	25	11 21	Sun enters ☿ 53 min. past 1 in the morn.
20	1	25	10 59	☽ in Perigeo, nearest to the Earth.
21	2	26	10 38	
22	3	26	10 16	Pollux south 8 min. after 9 at night.
23	4	26	9 54	Saturn sets 40 min. past 10 at night.
24	5	27	9 32	Mars rises 1 min. after 1 in the morning.
25	6	27	9 10	Mercury rises 49 min. past 5 in the morn.
A	7	27	8 47	
27	8	27	8 25	Sirius south 54 min. past 7 at night.
28	9	27	8 2	Day increased 3 hours 6 min.
29	10	28	7 40	

March 1764.

New Moon the 2d day, at 5 in the afternoon.
First Quarter the 10th day, at 10 at night.
Full Moon the 17th day, at midnight.
Last Quarter the 24th day, at 3 in the aftern.

Days	Jupiter sets.	Venus sets.
1	1M38	8A 18
7	1 20	8 39
13	1 2	8 59
19	0 41	9 20
25	0 28	9 41

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M D	W D	Holy-Days ☉ rises & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Affects and Weather.
1	T	David	6M 32	27 ♀ 35	15 S 19	
2	F	Chad.	☾ sets.	9 ♀ 59	9 53	
3	S		6A 28	22 11	4 10	Sharp frosty
4	G	Shrove-Sunday	7 39	4 ♀ 14	1 N 37	Weather for
5	M	Prs. Hesse born	8 51	16 8	7 17	some Time.
6	T	Shrove-Tuesd.	10 3	27 58	12 42	
7	W	Ash-Wednesd.	11 16	9 ♀ 46	17 38	
8	T		Morn.	21 36	21 54	
9	F	Sun rises 6 22	0 30	3 ♀ 32	25 18	
10	S	Sun sets 5 40	1 45	15 39	27 40	* ♀ ♀ Now
11	G	1 Sun. in Lent.	2 52	28 1	28 42	Wind and
12	M	Gregory	3 49	10 ♀ 43	28 17	Rain may be
13	T		4 32	23 48	26 18	expected.
14	W	Ember-Week	5 2	7 ♀ 19	22 47	
15	T	Cloc. fast 9 m.	5 24	21 17	17 53	
16	F	Day break 4 11	5 40	5 ♀ 40	11 51	
17	S	St. Patrick	☾ rises.	20 23	5 1	
18	G	2 Sun. in Lent.	7A 5	5 ♀ 21	2 S 11	Ed.k.W.Sax.
19	M	Prs. Louisa bo.	8 37	20 24	9 18	
20	T		10 12	5 ♀ 23	15 52	♂ ♀ ♂ High
21	W	Benedict	11 46	20 11	21 27	♂ ♀ ♀ * ♀ ♀
22	T	Sun rises 5 56	Morn.	4 ♀ 42	25 37	Winds & very
23	F	Sun sets 6 6	1 15	18 51	28 5	stormy Weath.
24	S		2 30	2 ♀ 33	28 44	* ♀ ♀
25	G	3 sun. in Lent.	3 26	16 4	4	Lady-day. D.York bo.
26	M	Clo. fast 6 min.	4 5	29 10	25 4	♂ ♀ ♀ ♀ ♀
27	T	Twilight 2 1	4 30	11 ♀ 58	21 16	25th Brisk
28	W	Day break 3 43	4 49	24 30	16 37	Winds with
29	T		5 2	6 ♀ 50	11 20	Hail and cold
30	F	Sun rises 5 40	5 12	18 58	5 42	Rain.
31	S	Sun sets 6 22	5 23	0 ♀ 53	0 N 3	

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Wing.	Day.	Saturn.		Jupiter.		Mars.		Venus.	
		♄	Decln.	♃	Decln.	♂	Decln.	♀	Decln.
Mar. 1764.	1	3	51 10N 43	8	6 21N 1	2	26 19S 37	11	36 4N 4
	7	4	26 10 56	8	42 21 2	5	2 20 14	18	55 7 8
	13	5	3 11 9	9	25 21 30	7	28 20 48	26	11 10 8
	19	5	42 11 23	10	13 21 38	9	43 21 10	38	25 12 59
	25	6	24 11 38	11	6 21 47	11	47 21 34	10	36 15 39

M D	Sun's Placc.	Sun's Declin.	Observations.
1	11	28	7 S 17
2	12	28	6 54
3	13	28	6 31
G	14	28	6 8
5	15	28	5 44
6	16	28	5 21
7	17	28	4 58
8	18	27	4 34
9	19	27	4 11
10	20	27	3 47
G	21	27	3 24
12	22	27	3 0
13	23	26	2 37
14	24	26	2 13
15	25	26	1 49
16	26	25	1 26
17	27	25	1 2
G	28	24	0 38
19	29	24	0 14
20	♍	23	0N 9
21	1	23	0 33
22	2	22	0 57
23	3	22	1 20
24	4	21	1 44
G	5	20	2 7
26	6	19	2 31
27	7	19	2 54
28	8	18	3 18
29	9	17	3 41
30	10	16	4 4
31	11	15	4 28

Saturn sets 16 min. after 10 at night.
Mars rises 8 min. before 1 in the morn.
Mercury rises 36 min. after 5 in the morn.
☿ in Apogee, farthest from the earth.
Day 11 hours 4 minutes long.
Day increased 3 hours 34 minutes.
Hydra's Heart south 54 min. past 9 night.
Saturn sets 48 min. after 9 at night.
Mars rises 21 min. before 1 in the morn.
Mercury's greatest Matutine Elong. from
the Sun 27° 38'; rises 44 min. before him.
Regulus south 11 min. past 10 at night.
Day increased 4 hours 10 minutes.
Day 11 hours 48 minutes long.
Mercury rises 24 min. after 5 in morn.
☿ in Perigeo, nearest to the earth.
Sun enters ♋ 27 min. after 2 in morn.
Now storms of hail come rattling in the wind,
The plowman, passenger, and lab'ring hind,
For shelter to the neighb'ring coverts fly,
Or hous'd, or safe in hollow caverns lie;
But that o'ercloud, when Heaven above them
smiles,
Return to travail, and renew their toils.
Hydra's Heart south 40 min. past 8 night.
Regulus south 17 min. after 9 at night.

April 1764.

New Moon the 1st day, at 11 in the morn.
First Quarter the 9th day, at 2 in the aftern.
Full Moon the 16th day, at 9 in the morning.
Last Quarter the 23d day, at 2 in the morn.

Days	Jupiter sets.	Venus sets.
1	0M 7	10A 5
7	11A 48	10 26
13	11 31	10 45
19	11 15	11 3
25	10 58	11 17

M	W	Holy-days	Moon	Moon's	Moon's	Aspects and
D	D	☉ rises & sets.	sets.	Place.	Declin.	Weather.
1	G	Midlent Sund.	6A 46	12 ♃ 52	5N 45	* ☉ ♃ Fair &
2	M		7 57	24 42	11 16	very pleasant
3	T	Richard.	9 10	6 ♃ 29	16 20	Δ ☉ ♁ Spring
4	W	St. Ambrose.	10 26	18 18	20 48	Weather.
5	T	Old Lady-Day	11 39	0 ♄ 11	24 29	
6	F	Twilight 2 6	Morn.	12 9	27 6	
7	S	Daybreak 3 17	0 49	24 18	28 33	
8	G	5 Sun in Lent.	1 49	6 ♄ 39	28 55	Warm Winds
9	M		2 36	19 18	27 9	and some gen-
10	T	Sun rises 5 19	3 10	2 ♄ 17	24 13	tle Showers.
11	W	Sun sets 6 43	3 35	15 40	19 58	
12	T	Cl. fast 1 min.	3 52	29 29	14 31	
13	F	Cam. Term en.	4 8	13 ♃ 45	8 8	
14	S	Oxf. Term en.	4 21	28 26	1 9	
15	G	Palm Sunday.	4 34	13 ♄ 27	6 S 3	Δ ♁ ♃ Windy
16	M		☾ rises. 2 8	40 13	0 but fair for the	most Part.
17	T	Sun rises 5 5	9 ^A 20	13 ♄ 54	19 12	
18	W	Sun sets 6 57	10 56	29 1	24 8	
19	T	Maundy Thurs.	Morn.	13 ♃ 51	27 21	
20	F	Good Friday.	0 20	28 16	23 40	
21	S		1 27	12 ♃ 14	28 5	
22	G	Easter Day.	2 12	25 44	25 48	
23	M	Monday.	2 43	8 ♄ 49	22 14	St. George.
24	T	Tuesday.	3 4	21 31	17 44	♁ ☉ ♃ About
25	W	St. Mark.	3 18	3 ♄ 55	12 33	♁ ♃ ♃ this
26	T	D. of Camb. bo.	3 29	16 4	7 1	♁ ♁ ♃ Time
27	F		3 39	28 4	1 18	♁ ♃ ♃ exp ^t
28	S	Sun rises 4 45	3 48	9 ♃ 56	4N 24	wet and windy
29	G	Low Sunday.	3 59	21 44	9 55	Weather.
30	M	Sun sets 7 18	4 9	3 ♁ 31	15 5	♁ ☉ ♃

Black Finch killed y^e 17th at Lodge

Wing.	Days	Saturn.			Jupiter.			Mars.			Venus.					
		♄	Declin.		♃	Declin.		♂	Declin.		♀	Declin.				
April 1764.	1	7	14	11N 54	12	12	21N 57	13	54	22	S	1	18	56	18N 28	
	7	7	58	12	8	13	14	22	6	15	24	22	20	26	220 37	
	13	8	43	12	23	14	19	22	15	16	38	22	38	3	11	22 25
	19	9	29	12	38	15	27	22	23	17	26	22	58	9	58	23 54
	25	10	15	12	53	16	37	22	32	17	53	23	13	16	49	25 1

M	Sun's	Sun's	Observations.			
D	Place.	Declin.				
G	12	14	4	N	51	
2	13	13	5	14	☽ in Apogeo, farthest from the earth.	
3	14	12	5	37	Saturn sets 37 min. past 8 at night.	
4	15	11	6	0	Mars rises 57 min. after 11 at night.	
5	16	10	6	22		
6	17	9	6	45	Deneb south 32 min. past 10 at night.	
7	18	8	7	7	Day increased 5 hours 36 minutes.	
G	19	7	7	30	Day 13 hours 14 minutes long.	
9	20	6	7	52		
10	21	4	8	14	Virgin's Spike south 53 m. aft. 11 night.	
11	22	3	8	36	Saturn sets 13 min. after 8 at night.	
12	23	2	8	58	Mars rises 36 min. past 11 at night.	
13	24	0	9	20	Deneb south 6 min. past 10 at night.	
14	24	59	9	41		
G	25	58	10	3	Day increased 6 hours 8 Minutes.	
16	26	56	10	24	☽ in Perigen, and nearest to the earth.	
17	27	55	10	45	Vindemiatrix south 4 min. past 11 night	
18	28	53	11	6	Day 13 hours 54 minutes long.	
19	29	52	11	27	Sun enters ♄ 27 min. past 3 in afternoon	
20	♄	50	11	47		
21	1	48	12	7	Saturn sets 43 min. after 7 at night.	
G	2	47	12	28	Mars rises 6 min. past 11 at night.	
23	3	45	12	47	Virgin's Spike south 5 m, after 11 night.	
24	4	43	13	7		
25	5	42	13	27	Day increased 6 hours 44 minutes.	
26	6	40	13	46	Day 14 hours 22 minutes long.	
27	7	38	14	5	Arcturus south 42 min. after 11 at night.	
28	8	36	14	24		
G	9	35	14	42	Mars rises 43 min. past 10 at night.	
30	10	33	15	1	☽ in Apogeo, farthest from the earth.	

May 1764.

New Moon the 1st day, at 4 in the morning.
First Quarter the 9th day, at 1 in the morn.
Full Moon the 15th day, at 5 in the afternoon.
Last Quarter the 22d day, at 3 in the aftern.
New Moon the 30th day, at 7 in the aftern.

Day	Jupiter sets.	Venus sets.
1	10 A 42	11 A 31
7	10 2	11 39
13	10 8	11 45
19	9 50	11 46
25	9 35	11 42

MW	Holy-Days	Moon	Moon's	Moon's	Aspects and
D D	Rises and sets.	sets.	Place.	Declin.	Weather.
1 T	St. Phil. & James	8 A 20	15 ♃ 20	19 N 43	♂ ♃ ♀
2 W	Ox. & Ca. T. be.	9 35	27 12 23	35	
3 T	Invent. Crofs.	10 46	9 ♀ 10	26 29	Fair & pleasant
4 F		11 48	21 15 28	14	for some Time.
5 S	Sun rises 4 33	Morn.	3 ♃ 30	28 35	
6 G	2 Sun. aft. Easter	0 38	15 56 27	32	St. John A.P.L.
7 M	Sun sets 7 31	1 16	28 36 25	4	
8 T	Twilight 2 51	1 44	11 ♀ 34	21 16	
9 W	Term begins.	2 3	24 59 16	20	Dry windy
10 T		2 19	8 ♀ 29	10 26	Weather.
11 F	Clo. flow 4 m.	2 32	22 32 3	53	
12 S	Old May-day	2 44	7 ♀ 0 3 S	3	
13 G	3 Sun. aft. Easter	2 56	21 50 10	0	Wind, but not
14 M	Sun rise 4 19	3 11	6 m 55	16 30	much Wet.
15 T	Sun set 7 43	♃ rises.	22 8 22	1	♂ ♂ ♀
16 W	Q. Charl. born	9 A 53	7 ♄ 19	26 3	
17 T		11 10	22 16 28	15	
18 F	Clo. flow 4 m.	Morn.	6 ♃ 51	23 23	
19 S	Dunstan.	0 8	20 58 26	38	* ♃ ♀
20 G	4 Sun. aft. Easter	0 45	4 ♃ 36	23 21	♂ ♃ ♀ Wind,
21 M	Sun rise 4 9	1 10	17 45 18	58	and frequent
22 T	Sun sets 7 52	1 26	0 ♃ 29	13 52	Showers about
23 W		1 39	12 51 8	22	this Time.
24 T	Pr. Fr. Will. b.	1 49	24 58 2	39	
25 F	Clo. flow 3 m.	1 57	6 ♃ 54	3 N 4	
26 S	Augustine.	2 7	18 43 8	37	
27 G	Rogat. Sunday	2 17	0 ♃ 30	13 52	Ven. Bede.
28 M	Sun rise 4 1	2 29	12 19 18	37	Wind, but
29 T	K. Cha. II. resto.	2 45	24 12 22	40	mostly fair.
30 W		♃ -sets.	6 ♀ 11	25 49	
31 T	Holy Thursday	9 A 40	18 18 27	50	

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Wing.	Days	Saturn 8 Decl.	Jupiter 11 Decl.	Mars ↑ R. Decl.	Venus II Decl.
May 1764.	1	11 13N 8	17 50 22N 39	17 54 23 S 29	23 35 25N 45
	7	11 47 13	22 19 6 22 40	17 29 23 45	15 26 2
	13	13 34 13	37 20 23 22 53	16 36 23 59	6 49 25 59
	19	13 20 13	51 21 42 22 58	15 18 24 11	13 14 25 31
	25	14 4 14	3 23 1 23 4	13 39 24 22	19 30 24 43

M. D.	Sun's Place.	Sun's Declin.	Observations.
1	11 8 31	15N 19	
2	12 29 15	37	Saturn rises 45 m. past 4 in the morning.
3	13 27 15	54	Day increased 7 h. 14 m.
4	14 25 16	12	Virgin's Spike south 24 m. past 10 at night.
5	15 23 6	29	
6	16 21 16	45	Day 14 h. 58 m. long.
7	17 19 17	2	Vindemiatrix south 49 m. after 9 at night.
8	18 17 17	18	Mars rises 10 m. past 10 at night.
9	19 15 17	34	(morning.
10	20 12 17	50	Scorpion's Heart south 6 m. after 1 in the
11	21 10 18	5	Saturn rises 13 m. past 4 in the morning.
12	22 8 18	20	Day increased 7 h. 44 m.
13	23 6 18	35	
14	24 4 18	49	Arcturus south 37 m. past 10 at night.
15	25 1 19	3	☽ in Perigeo, nearest to the Earth, 14th Day
16	25 59 19	17	Mars rises 34 m. after 9 at night.
17	26 57 19	31	Scorpion's Heart south 22 m. before 1 morn.
18	27 54 19	44	Day 15 h. 34 m. long.
19	28 52 19	57	
20	29 50 20	9	Sun enters II 21 m. after 4 in the afternoon.
21	II 47 20	21	Saturn rises 36 m. past 3 in the morning.
22	I 45 20	33	Lyra south 33 m. past 2 in the morning.
23	2 42 20	44	Mercury's greatest Vespertine Elong. from
24	3 40 20	55	the Sun 22° 54'; sets 2 h. 10 m. after
25	4 38 21	6	him.
26	5 35 21	16	Day increased 8 h. 20 m.
27	6 32 21	26	Day 15 h. 56 m. long.
28	7 30 21	36	☽ in Apogeo, farthest from the Earth.
29	8 27 21	45	Mercury sets 58 m. past 6 at night.
30	9 25 21	54	Saturn rises 2 m. after 3 in the morning.
31	10 22 22	3	

June 1764.

Days Jupiter sets. Venus sets.

First Quarter the 7th day, at 9 in the morn. 1 9A 12 11A 34
Full Moon the 13th day, at midnight. 7 8 54 11 24
 Last Quarter the 21st day, at 6 in the morn. 13 8 36 11 11
New Moon the 29th day, at 8 in the morn. 19 rises. 10 52
 25 3M 26 10 35

M.D.	W.D.	Holy-Days, Rises & sets.	Moon sets	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	F	Medicomete.	10 A 35	0 23 34	28 N 30	8 ☉ ♂
2	S	Sun sets 8 4	11 17	5 127	46	
3	G	S. aft. Easter	11 46	25 39	25 34	
4	M	K. Geo. III. b.	Morn.	8 Ω 29	22 4	Term ends.
5	T	Boniface.	0 52	21 33	17 26	Fair and very
6	W		0 22	4 27	51 11 53	pleasant.
7	F	Oxf. Term end.	0 36	18 25	5 38	
8	F	Sun rises 3 52	0 47	2 21	19 0 S 59	
9	S	Sun sets 8 9	0 59	16 32	7 43	
10	G	Whit-Sunday	1 12	1 13	3 14 11	Prs. Amelia born.
11	M	Monday.	1 29	15 50	19 58	St. Barnabas.
12	T	Tuesday.	1 50	0 46	24 34	Hot and very
13	W	Ember Week.	2 23	15 43	27 30	dry weather.
14	Th		2 rises	0 13	32 28 29	
15	F	Sun rises 3 49	10 A 36	15 327	27	
16	S	Sun sets 8 12.	11 529	11 24	40	Windy weather,
17	G	Trinity-Sund.	11 24	12 51	20 32	♂ ♀ ♂ ☉ ♀
18	M	Cl. fast 1 m.	11 40	26 315	32	and some
19	T		11 50	8 50	9 59	♂ ☉ ♀ showers.
20	W	Oxf. Term begins	12 021	16 4	12	
21	Th	Corpus Christi	Morn.	3 22	i N 35	longest Day.
22	F	Term begins	0 10	15 19	7 15	
23	S		0 20	27 9	12 37	
24	G	S. aft. Trin.	0 31	8 58	17 30	St. John Baptist.
25	M	Sun rises 3 48	0 46	20 49	21 43	☐ ♀ 24th.
26	T	Sun sets 8 12.	1 4	2 48	25 7	
27	W		1 30	14 55	27 26	Fair and hot
28	Th	Cl. fast 3 m.	2 9	27 14	28 27	towards the
29	F	St. Pet. & Paul.	2 sets	9 45	28 2	end.
30	S		9 A 43	22 29	26 8	

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Or. M. ing

Red Finch Bull the 3. at the Lodge
 Again the 23. Again the 13th of July.

Wing.	Days	Saturn ♄ Decl.	Jupiter ♃ Decl.	Mars ♂ Dec.	Venus ♀ Decl.
June 1764.	1	14 55 14N	18 24 36 23N	9 11 21 24S	26 34 23N
	7	15 38 14	30 25 57 23	12 9 24 24 26	2Ω 24 21 54
	13	16 19 14	42 27 19 23	15 7 30 14 28	7 55 20 11
	19	16 59 14	52 28 41 23	17 5 51 24 26	13 3 18 22
	25	17 36 15	21 00 42 23	18 4 35 14 22	17 22 16 22

U.M.	Sun's Place.	Sun's Declin.
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Observations.

I	II	III	IV	V	VI	Observations.
1	11	20	22	N	11	
2	12	17	22		18	Mars sets 40 m. past 3 in the morning.
G	13	14	22		26	Lyra south 44 m. after 1 in the morning.
4	14	12	22		23	Day increased 8 h. 36 m.
5	15	9	22		39	Day 16 h. 12 m. long.
6	16	7	22		45	
7	17	4	22		51	Venus's greatest Vespertine Elong. from the
8	18	1	22		57	Sun 45° 20'; sets 3 h. 11 m. after him.
9	18	58	23		2	Scorpion's Heart south 1 m. past 11 at night.
G	19	56	23		6	
11	20	53	23		10	♃ in Perigeo, nearest to the Earth.
12	21	50	23		14	Mars sets 45 m. past 2 in the morning.
13	22	47	23		17	Saturn rises 10 m. after 2 in the morning.
14	23	45	23		20	Lyra south 54 m. after midnight.
15	24	42	23		23	
16	25	39	23		25	Day 16 h. 24 m. long.
G	26	37	23		26	Day increased 8 h. 12 m.
18	27	34	23		28	Scorpion's Heart so. 24 m. past 10 at night
19	28	31	23		28	
20	29	28	23		29	Mars sets 2 m. after 2 in the morning.
21	♄	25	23		29	Sun enters ♄ 21 m. after 1 in the morning
22	1	23	23		29	Day 16 h. 26 m. long.
23	2	20	23		28	Saturn rises 31 m. past 1 in the morning.
G	3	17	23		27	
25	4	14	23		25	♃ in Apogeo, farthest from the Earth.
26	5	11	23		23	Lyra south 4 m. past midnight.
27	6	8	23		20	Atair south 14 m. after 1 in the morning.
28	7	6	23		18	
29	8	3	23		14	Mars sets 18 m. past 1 in the morning.
30	9	0	23		11	Saturn rises 3 m. after 1 in the morning.

July 1764.

Days Jupiter rises. Venus sets.

First Quarter the 6th day, at 3 in the aftern.	1	3	M	7	10	A	14
Full Moon the 13th day, at 8 in the morn.	7	2	49	9	52		
Last Quarter the 20th day, at 10 at night.	13	2	30	9	25		
New Moon the 28th day, at 8 at night.	19	2	12	8	56		
	25	1	54	8	25		

M.D.	W.D.	Holy-Days, Orises & sets	Moon sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	G	2 S. aft. Trin.	10 A 7	5 Ω 25	22 N 52	
2	M	Visit. B. V. M.	10 24	18 32	18 24	Hot and sultry,
3	T	Camb. Com.	10 38	1 ♄ 51	12 59	perhaps
4	W		10 50	15 21	6 52	some thunder
5	Th	O. Midsum. - day.	11 2	29 2	0 22	showers.
6	F	Cam. Term ends.	11 12	12 ♄ 54	6 S 14	
7	S	Tho. à Becket.	11 28	26 59	12 38	
8	G	3 S. aft. Trin.	11 47	11 ♃ 15	18 28	
9	M	Oxf. A & beg.	Morn.	25 42	23 19	
10	T		0 13	10 ♀ 14	25 44	* ☉ ♃ Brisk
11	W	Term ends.	0 54	24 48	28 24	winds and
12	F	Cl. fast 5 m.	1 52	9 ♄ 14	28 6	some
13	Th		D rises	23 28	25 54	showers.
14	S	Oxf. Term ends.	9 A 23	7 ♃ 23	22 14	
15	G	4 S. aft. Trin.	9 39	20 55	17 27	
16	M	Sun rises 4 2	9 51	4 ♃ 3	11 58	Stwithn.
17	T	Sun sets 7 57	10 3	16 49	6 6	♃ ♃ ♃
18	W		10 12	29 14	0 11	
19	Th	Cl. fast 6 m.	10 22	11 ♃ 23	5 N 37	
20	F	Margaret.	10 34	23 21	11 8	Hot and very
21	S		10 46	5 ♃ 12	16 13	dry weather
22	G	5 S. aft. Trin.	11 3	17 32	20 39	Pre. Car. Mat. bp.
23	M	Sun rises 4 10	11 26	28 58	24 20	for some time.
24	T	Sun sets 7 48	11 58	11 ♃ 1	26 58	
25	W	St. James.	Morn.	23 15	23 23	
26	Th	St. Anne.	0 47	5 ♄ 44	28 23	* ♃ ♃
27	F		1 50	18 29	26 54	
28	S	Day br. 1 4.	D sets	1 Ω 30	23 57	Frequent showers
29	G	6 S. aft. Trin.	8 A 27	14 47	19 43	Δ ☉ ♂ near
30	M	Dog-Days begin.	8 42	28 17	14 24	the end.
31	T		8 55	11 ♄ 59	8 18	

Ash. Fair

*Excise-
Sessions*

Send out

Heifer Bull'd the 5th at the Lodge

Wing.	Day	Saturn	Jupiter	Mars	Venus	
	8	Decl.	Decl.	Decl.	Decl.	
July 1764.	1	18	11 15 N 11	1 26 23 N 19 3	45 24 S 19 22	7 14 N 21
	7	18	44 15 19 2	47 23 17 3	22 24 21 35	41 12 23
	13	9	15 15 26 4	8 23 15 3 D	31 24 28 28	20 10 32
	19	19	43 15 33 5	28 23 13 4	10 24 34	0 12 8 46
	25	20	8 15 39 6	46 23 11 5	17 24 45	0 13 3 7 23

M.D.	Sun's Place.	Sun's Declin.	Observations.
1	9	57 23 N	7
2	10	54 23	2 Day 16 h. 18 m. long.
3	11	52 22	57 Day decreased 8 m.
4	12	49 22	52 Lyra fourth 32 m. past 11 at night.
5	13	46 22	46
6	14	43 22	40 Saturn rises 20 m. before 1 in the morning.
7	15	40 22	34 Mercury rises 42 m. after 2 in the morning.
8	16	38 22	27 Mars sets 22 m. before 1 in the morning.
9	17	35 22	20 ♃ in Perigeo, nearest to the Earth.
10	18	32 22	12
11	19	29 22	4 Mercury's greatest Mat. Elong. from the Sun
12	20	26 21	56 25° 28'; rises 1 h. 20 m. before him,
13	21	24 21	47 Atair fourth 4 m. after midnight,
14	22	21 21	38
15	23	18 21	28 Day decreased 28 m.
16	24	15 21	18 Day 15 h. 56 m. long.
17	25	13 21	8 Lyra fourth 38 m. past 10 at night.
18	26	10 20	57
19	27	7 20	46 Saturn rises 46 m. after 11 at night.
20	28	4 20	35 Mars sets 48 m. past 11 at night.
21	29	2 20	23 Mercury rises 37 m. past 2 in the morning.
22	29	59 20	11 Sun enters ♋ 20 m. past noon. ♃ in Apogeo.
23	♋	56 19	59
24	1	54 19	46 Lyra fourth 11 m. after 10 at night.
25	2	51 19	33 Day decreased 52 m.
26	3	48 19	20 Day 15 h. 30 m. long.
27	4	46 19	7 Atair fourth 9 m. after 11 at night.
28	5	43 18	53
29	6	40 18	38 Saturn rises 8 m. past 11 at night.
30	7	38 18	24 Mars sets 15 m. after 11 at night.
31	8	35 18	9

B 3

Daniel Bull's the 15th. at the Lodge

August 1764.

First Quarter the 4th day, at 8 at night.
Full Moon the 11th day, at 6 in the aftern.
 Last Quarter the 19th day, at 4 in the aftern.
New Moon the 27th day, at 7 in the morn.

Days	Jupiter rises.	Venus sets.
1	1M34	7A46
7	1 17	7 11
13	1 c	rises.
19	0 43	4M43
25	0 26	4 5

M.D.	W.D.	Holy-Days Rises & sets.	Moon sets.	Moon Place	Moon's Declin.	Aspects and Weather.
1	W	Lammas Day.	9 A 6	25 μ 50	1N 45	
2	F	Sun rises 4 25	9 19	9 \sphericalangle 48	4 S 57	
3	F	Sun sets 7 33	9 33	23 52	11 28	
4	S		9 49	7 μ 59	17 25	Wind, but
5	G	7 S. aft. Trin.	10 13	22 10	22 26	mostly
6	M	Transfigurat.	10 47	6 \uparrow 22	26 10	$\odot \ominus \text{♀}$ fair.
7	T	Name of <i>Jesus</i> .	11 38	22 32	28 17	
8	W	Day br, 1 51	Morn.	4 h 40	28 30	
9	F		0 47	18 39	26 55	$\square \text{h} \text{♀}$
10	F	St. Laurence.	2 10	2 m 27	23 43	
11	S	Prs. Augusta b.	D rises	15 59	19 17	$\odot \text{♀} \text{♁}$ Some
12	G	8 S. aft. Trin.	7 A 59	29 14	13 58	Pr. of Wales born.
13	M	Sun rises 4 43	8 10	12 h 9	8 11	showers about
14	T	Sun sets 7 15	8 21	24 47	2 11	this time.
15	W	Assump. B.V.M.	8 31	7 v 9	3N 46	$\odot \ominus \text{♀}$
16	F	Pr. Fred. bo.	8 41	19 16	9 27	
17	F	Twilight 2 28	8 54	1 h 14	14 43	$\square \text{h} \text{♀}$
18	S	Cl. fast 3 m.	9 9	13 6	19 26	Good seasonable
19	G	9 S. aft. Trin.	9 29	24 58	23 22	harvest weather
20	M	Sun rises 4 56	9 58	6 Π 53	26 21	for several
21	T	Sun sets 7 2	10 38	18 57	28 11	$\times \text{h} \text{♀}$ days.
22	W	Day br. 2 38	11 35	1 m 15	28 41	
23	F		Morn.	13 48	27 43	
24	F	St. Bartholom.	0 46	26 41	25 16	
25	S	Twilight 2 18.	2 8	9 Ω 56	21 25	$\Delta \text{♂} \text{♀}$
26	G	10 S. aft. Trin.	3 33	23 28	16 23	Now expect
27	M		D sets	7 μ 21	10 23	wind and
28	T	St. Augustine.	7 A 20	21 28	3 45	frequent
29	W	Decol. St. J. B.	7 31	5 \sphericalangle 46	3 S 8	showers.
30	F	Sun rises 5 14	7 45	20 10	9 54	
31	F	Sun sets 6 44.	8 2	4 μ 35	16 11	

m. nig

Apis

Wing.	Days	Saturn 8 Decl.	Jupiter ♃ Decl.	Mars ♂ Decl.	Venus ♀ Decl.
Aug. 1764.	1	20 34 15 N 45	8 15 23 N 7	7 2 25 S 6	29 26 16 N 21
	7	20 53 15 49	9 30 23 2	9 1 25 18	26 57 6 3
	13	21 7 15 50	10 42 22 57	11 18 25 36	23 31 6 23
	19	21 18 15 52	11 52 22 52	13 51 25 51	19 51 7 9
	25	21 24 15 53	12 59 22 46	16 4 26 5	16 45 8 9

M/D	Sun's Place.	Sun's Declin.	Observations.
1	9 Ω 33	17 N 54	
2	10 30	17 38	Lyra south 35 m. past 9 at night.
3	11 28	17 22	Day decreased 1 h. 20 m.
4	12 25	17 6	Day 15 h. 4 m. long.
G 13	23 16	50	♃ in Perigee, nearest to the Earth.
6	14 20	16 34	
7	15 18	16 17	Saturn rises 35 m. past 10 at night.
8	16 15	16 0	♃ south 22 m. after 10 at night.
9	17 13	15 42	Mars sets 48 m. past 10 at night.
10	18 11	15 25	
11	19 8	15 7	Day 14 h. 40 m. long.
G 20	6 14	49	Day decreased 1 h. 48 m.
13	21 4	14 30	Markab south 21 m. past 1 in the morning.
14	22 1	14 12	
15	22 59	13 53	Saturn rises 5 m. after 10 at night.
16	23 57	13 34	Mars sets 32 m. past 10 at night.
17	24 55	13 15	♃ south 49 m. after 9 at night.
18	25 52	12 55	♃ in Apogee, farthest from the Earth.
G 26	50 12	35	
20	27 48	12 16	Day decreased 2 h. 18 m.
21	28 46	11 56	Fomalhaut south 38 m. past midnight.
22	29 44	11 35	Sun enters ♋ 40 m. past 6 in the afternoon.
23	1 42	11 15	
24	1 40	10 54	Saturn rises 33 m. after 9 at night.
25	2 38	10 33	Mars sets 13 m. past 10 at night.
G 3	36 10	12	Markab south 29 m. after midnight.
27	4 34	9 51	
28	5 32	9 30	Day 13 h. 40 m. long.
29	6 30	9 9	Day decreased 2 h. 50 m.
30	7 28	8 47	Fomalhaut south 5 m. past midnight.
31	8 26	8 25	♃ in Perigee, nearest to the Earth.

September 1764.

Days	Jupiter rises.	Venus rises.
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First Quarter the 3d day, at 1 in the morn.	1	OM 7	3M 27
Full Moon the 10th day, at 7 in the morn.	7	IIA 48	2 58
Last Quarter the 18th day, at 10 in the morn.	13	II 31	2 38
New Moon the 25th day, at 5 in the aftern.	19	II 13	2 24
	25	IO 56	2 17

D.	M.	Holy-Days, ☉ rises & sets.	Moor sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	S	Ches.	8 A	23 18m	57 21 S	31
2	G	11 S. aft. Trin.	8	53 3 13	25 36	London b. 1666.
3	M	Cl. flow 1 m.	9	36 17 21	23 5	Fair, and
4	T	Day br. 3 16	10	43 11 18	28 44	pleasant
5	W	Twilight 2 7.	12	0 15 5	27 35	weather at the
6	T			Morn. 28 40	24 48	beginning.
7	F	Dog-Days end.	1	25 12 3	1 20 42	* ☉ ♃
8	S	Nat. B. V. M.	2	50 25 8	15 43	
9	G	12 S. aft. Trin.	4	10 8 1	10 5	
10	M	Sun rises 5 36	☉ rises	20 40	4 8	
11	T	Sun sets 6 22	6 A	46 3 5	1 N 52	
12	W	Cl. flow 4 m.	6	55 15 18	7 39	* ♀ ♃ Brisk
13	T		7	9 27 21	13 8	Δ ☉ ♃ □ ♃ ♀
14	F	Holy-Cross-Day.	7	22 9 8 16	18 3	winds and some
15	S	Day br. 3 41	7	41 21 8	22 15	rain.
16	G	13 S. aft. Trin.	8	5 2 11 59	25 35	
17	M	Lambert.	8	41 14 53	27 47	
18	T	Twilight 2 1.	9	29 26 56	28 44	Fair and pleasant
19	W	Ember-Week	10	34 9 1	28 19	weather for
20	T		11	50 21 43	26 25	several days.
21	F	St. Matthew.	Morn.	4 36 23	9	
22	S	K Geo. III. cr.	1	12 17 52	18 35	
23	G	14 S. aft. Trin.	2	38 1 33	12 58	
24	M	Sun rises 6 3	4	5 15 39	6 31	
25	T	Sun sets 5 55	☉ sets	0 5 0	S 24	□ ♃ ♀ Wind,
26	W	St. Cyprian.	6 A	0 14 48	7 25	and some
27	T		6	16 9 39	14 7	showers.
28	F	Cl. flow 9 m.	6	36 14m	31 20	1
29	S	St. Michael.	7	3 29 16	24 39	□ ☉ ♀
30	G	15 S. aft. Trin.	7	46 13 49	27 38	St. Jerome.

m. m. trig

o. m. trig

Wing	Saturn		Jupiter		Mars		Venus										
	Days	Decl.	Days	Decl.	Days	Decl.	Days	Decl.									
Sept. 1764.	1	21	28	15	N 52	14	13	22	N 35	20	14	26	S 18	14	39	9	N 20
	7	21	R 27	15	50	15	13	22	3	13	30	16	24	14	D 23	10	12
	13	1	22	15	48	16	9	22	2	16	50	16	25	15	-28	10	47
	19	21	13	15	45	17	1	22	22	15	32	16	21	17	44	11	3
	25	21	1	15	40	17	48	22	1	4	15	16	10	20	58	10	58

M.D.	Sun's Place.	Sun's Declin.	Observations.
1	9 ^h 24	8 N 3	Saturn rises 5 m. past 9 at night.
G 10	23	7 41	Mars sets 2 m. after 10 at night.
3	11 21	7 19	Fomalhaut south 51 m. past 11 at night.
4	12 19	6 57	
5	13 17	6 35	Pole Star south 48 m. past 1 in the morning.
6	14 16	6 12	Day decreased 3 h. 22 m.
7	15 14	5 50	Day 13 hours long.
8	16 12	5 27	
G 17	11 5	4	Markab south 38 m. after 11 at night.
10	18 9	4 42	Saturn rises 32 m. past 8 at night.
11	19 8	4 19	Mars sets 50 m. after 9 at night.
12	20 6	3 56	
13	21 5	3 33	Pole Star south 18 m. past 1 in the morning.
14	22 3	3 9	☽ in Apogeo, farthest from the Earth.
15	23 2	2 46	Day decreased 3 h. 56 m.
G 24	1 2	23	Day 12 h. 26 m. long.
17	24 59	2 0	
18	25 58	1 36	Saturn rises 4 m. after 8 at night.
19	26 57	1 13	Mercury's greatest Vespertine Elong. from the Sun 26° 6'; sets 27 m. after him.
20	27 55	0 50	
21	28 54	0 26	Mars sets 42 m. past 9 at night.
22	29 53	0 3	Sun enters ♋ 57 m. past 2 in the afternoon.
G 24	♋ 52	0 S 21	
24	1 51	0 44	Day decreased 4 h. 32 m.
25	2 50	1 8	Fomalhaut south 32 m. after 10 at night.
26	3 49	1 31	Day 11 h. 46 m. long.
27	4 48	1 55	Markab south 34 m. past 10 at night.
28	5 47	2 18	☽ in Perigeo, nearest to the Earth.
29	6 46	2 41	
G 7	45	3 5	

October 1764.

Jupiter rises. Venus rises.

First Quarter the 24 day, at 8 in the morning. 1 10A 38 2M 14
Full Moon the 9th day, at 11 at night, 7 10 19 2. 13
 Last Quarter the 18th day, at 3 in the morning. 13 9 59 2 18
New Moon the 25th day, at 3 in the morning. 19 9 39 2 25
 First Quarter the 31st day, at 6 at night. 25 9 18 2 35

M.	D.	Holy-Days, ☉ rises & sets.	Moon sets.	Moon Place.	Moon's Declin.	Aspects and Weather.
1	M	Remigius.	8 A 44	28 † 4	28 S 44	
2	T	Sun rises 6 19	9 58	11 † 59	28 0	Moderate
3	W	Sun sets 5 31	11 21	25 36	25 33	weather for
4	Th	Day br. 4 25	Morn.	8 † 54	21 46	several days.
5	F		0 44	21 55	17 1	
6	S	faith.	2 5	4 † 42	11 33	
7	G	16 S. aft. Trin.	3 22	17 14	5 46	
8	M	Twilight 1 58	4 36	29 36	0 N 10	
9	T	St. Dennis.	☽ rises	11 † 47	6 1	Wind and
10	W	Oxf. & Cam. T. b.	5 A 26	23 50	11 35	O. Michael-Day.
11	Th		5 39	5 47	16 39	some showers.
12	F	Cl. flow 13 m.	5 55	17 40	21 6	
13	S	Tr K. Edw. Conf.	6 16	29 30	24 40	☐ ☉ ♃
14	G	17 S. aft. Trin.	6 46	11 † 21	27 12	
15	M		7 30	23 16	28 32	
16	T	Sun rises 6 46	8 28	5 † 17	28 32	☉ ☽ ♀ R High
17	W	Abeldien.	9 38	17 29	27 9	winds, and
18	Th	St. Luke.	10 56	29 56	24 24	☐ ☽ ♀ very
19	F	Sun sets 5 8	Morn.	12 ♄ 43	20 24	△ ♃ ♀ stormy
20	S		0 19	25 53	15 19	8 ♃ ♀ weather.
21	G	18 S. aft. Trin.	1 42	9 † 29	9 22	
22	M	Day br. 5 0	3 6	23 34	2 43	More mild
23	T	Twilight 1 58	4 32	8 † 5	4 S 16	and temperate.
24	W		6 3	22 59	11 12	
25	Th	K Geo. III In.	☽ sets	8 ♃ 9	17 36	Crispin.
26	F	K Geo. III. Pr.	5 A 8	23 23	22 54	
27	S	Cl. flo. 16 m.	5 44	8 † 32	26 39	
28	G	19 S. aft. Trin.	6 37	23 25	28 28	S. Simon and Jud
29	M		7 48	7 † 56	28 16	* ♃ ♀
30	T	Sun rises 7 13	9 11	22 0	26 12	
31	W	Sun sets 4 46	10 36	5 † 38	22 40	

Seps:

to Feb 2-2

to Feb 2

Our Dick came the 15th to 9 mact

Wing.	Date	Saturn		Jupiter		Mars		Venus									
		♄	Decl.	♃	Decl.	♂	Decl.	♀	Decl.								
O ^t . 1764	120	44	15N 35	18	30	22N 31	8	5	25	52	24	58	10N 30				
	720	25	15	29	19	6	22	6	12	1	15	26	29	35	9	47	
	1320	3	15	22	19	37	22	3	16	2	4	53	4	8	40		
	1919	19	3	15	15	20	1	21	59	20	8	24	12	10	14	7	37
	2519	12	15	8	20	19	21	58	24	19	13	24	16	5	5	37	

M.D.	Sun's Place	Sun's Declin.	Observations.	
1	8 ^h 44	3	28 Saturn rises 15 m. past 7 at night.	
2	9	43	3	52 Mars sets 38 m. after 9 at night.
3	10	43	4	15 Fomalhaut south 4 m. past 10 at night.
4	11	42	4	38
5	12	41	5	1 Day decreased 5 h. 16 m.
6	13	40	5	24 Day 11 h. 6 m. long.
7	14	40	5	47 Pole Star south 48 m. after 11 at night.
8	15	39	6	10
9	16	39	6	33 Saturn rises 44 m. past 6 at night.
10	17	38	6	56 Mars sets 37 m. after 9 at night.
11	18	38	7	19 Markab south 43 m. past 9 at night.
12	19	37	7	41 ♃ in Apogeo, farthest from the Earth.
13	20	37	8	4
14	21	36	8	26 Day decreased 5 h. 50 m.
15	22	36	8	48 Fomalhaut south 18 m. after 9 at night.
16	23	36	9	11 Day 10 h. 28 m. long.
17	24	35	9	33
18	25	35	9	54 Saturn rises 11 m. past 6 at night.
19	26	35	10	16 Markab south 13 m. past 9 at night.
20	27	35	10	38 Mars sets 37 m. after 9 at night.
21	28	34	10	59
22	29	34	11	20 Sun enters ♍ 36 m. after 10 at night.
23	30	34	11	42 Pole Star south 49 m. past 10 at night.
24	1	34	12	2
25	2	34	12	23 Venus's greatest Matutine Elong. from the
26	3	34	12	44 Sun 46° 29'; rises 4 h. 23 m. before him.
27	4	34	13	3 ♃ in Perigeo, nearest to the Earth, 26th Day
28	5	34	13	24
29	6	34	13	44 Fomalhaut south 25 m. after 8 at night.
30	7	34	14	4 Mercury's greatest Matut. Elong. from the
31	8	34	14	23 Sun 18° 42'; rises 1 h. 49 m. before him.

November 1764.

Days	Jupiter rises.	Venus rises.
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Full Moon the 8th day, at 5 in the afternoon.	1	8A 52	2	M 45
Last Quarter the 16th day, at 7 at night.	7	8 28	2	55
New Moon the 23d day, at 1 in the afternoon.	13	8 3	3	8
First Quarter the 30th day, at 8 in the morn.	19	7 37	3	20
	25	7 10	3	32

M.D.	W.D.	Holy-Days, Fests & sets.	Moon sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	T	All Saints.	11 A 59	18 --- 51	18 S 5	
2	F	All Souls.	Morn.	1 \times 43	12 46	Dark, cloudy
3	S		1 17	14 16	7 3	weather,
4	G	20 S. aft. Trin.	2 30	26 36	1 12	but not
5	M	Papists Consp.	3 42	8 \vee 44	4 N 37	much wet.
6	T	Term begins.	4 54	20 45	10 12	Leonard.
7	W	Pr. H.-Fred. b.	6 6	28 40	15 22	
8	T		D rises	14 33	19 38	
9	F	Sun rises 7 30	4 A 23	26 23	23 45	
10	S	Sun sets 4 28	4 51	8 II 15	26 32	8 \odot h Wind
11	G	21 S. aft. Trin.	5 30	20 8	8 23	11 Martinmas.
12	M	Day br. 5 33	6 22	2 --- 6	28 30	Δ \odot U and some
13	T	Twilight 2 3	7 27	14 10	27 28	\square δ g showers.
14	W		8 42	26 23	25 7	
15	T	St. Pachutus.	10 0	8 Ω 48	21 33	
16	F	Cl. flo. 13 m.	11 19	21 29	16 57	
17	S	Hugh, B. Linc.	Morn.	4 --- 31	11 25	
18	G	22 S. aft. Trin.	0 39	17 57	5 14	Δ δ g Sharp
19	M		2 1	1 --- 50	1 S 24	8 h g air,
20	T	Edm. K. & M.	3 27	16 11	8 10	inclunable to
21	W	Day br. 5 43	4 56	0 --- 59	14 43	Δ U g frost.
22	T	O. Mart. - day.	6 31	16 8	20 32	
23	F	St. Clement.	D sets	1 \ddagger 28	25 4	
24	S		4 A 17	16 48	27 49	
25	G	23 S. aft. Trin.	5 22	1 --- 56	28 26	Pr. Will. - Hen. bo.
26	M	Sun rises 7 56	6 43	16 42	26 59	\square h δ 25th day.
27	T	Sun sets 4 3	8 11	1 --- 0	23 49	Snow, or cold
28	W	Term ends.	9 36	14 48	19 22	rain at the
29	T	Twilight 2 7	10 57	28 6	14 6	end.
30	F	St. Andrew.	Morn.	10 \times 58	8 23	Prs. Dow. of Wales

(cont.)

to wet

to wet

to wet

to wet

Setting

Wing.	Saturn	Jupiter	Mars	Venus
DAYS	8 R Decl.	25 Decl.	15 Decl.	12 Dec.
Nov. 1	18 39 14 ^N 59 20	31 21 ^N 57 29	15 22 ^S 17 23	15 3 ^N 23
7	18 10 14 52 20 R	34 21 57 3	32 21 11 29	38 1 16
13	17 40 14 44 20	29 21 59 7	52 20 0	11 1 S 1
19	17 11 14 37 20	18 22 2 12	14 18 42 12	54 3 22
25	16 43 14 29 20	0 22 5 16	37 17 18 19	44 5 47

M.D.	Sun's Place.	Sun's Declin.	Observations.
1	9m 35	14 S	42 Saturn rises 15 m. past 5 in the afternoon.
2	10 35	15	1 Mars sets 39 m. after 9 at night.
3	11 35	15 20	Day decreased 7 h. 6 m.
G 12	35	15 39	Pole Star south 2 m. after 10 at night.
5	13 36	15 57	
6	14 36	15 15	Seven Stars south 42 m. after midnight.
7	15 36	16 33	Day 9 h. 6 m. long.
8	16 37	16 50	Mars sets 41 m. after 9 at night.
9	17 37	17 7	♃ in Apogeo, farthest from the Earth.
10	18 38	17 24	Fomalhaut south 38 m. past 7 at night.
G 19	38	17 40	
12	20 39	17 57	Day decreased 7 h. 38 m.
13	21 39	18 13	Pole Star south 25 m. after 9 at night.
14	22 40	18 28	Day 8 h. 42 m. long.
15	23 40	18 43	
16	24 41	18 58	Mars sets 42 m. past 9 at night.
17	25 41	19 13	Seven Stars south 57 m. past 11 at night.
G 26	42	19 27	Day decreased 7 h. 56 m.
19	27 43	19 41	
20	28 43	19 55	Fomalhaut south 57 m. past 6 at night.
21	29 44	20 8	Sun enters ♄ 30 m. after 6 at night.
22	♄ 45	20 21	Saturn sets 29 m. past 6 in the morning.
23	1 46	20 33	♃ in Perigeo, nearest to the Earth.
24	2 46	20 45	
U 3	47	20 57	Day 8 h. 10 m. long.
26	4 48	21 8	Mirach south 43 m. past 8 at night.
27	5 49	21 19	Seven Stars south 16 m. after 11 at night.
28	6 50	21 29	
29	7 51	21 39	Mars sets 45 m. past 9 at night.
30	8 52	21 49	Saturn sets 52 m. after 5 in the morning.

December 1764.

Days	Jupiter rises.	Venus rises.
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Full Moon the 8th day, at noon.	1	6A 42	3	M 46
Last Quarter the 16th day, at 8 in the morn.	7	6 13	3	59
New Moon the 22d day, at 11 at night.	13	5 44	4	12
First Quarter the 30th day, at 2 in the morn.	19	5 13	4	26
	25	4 42	4	40

D.	M.	Holy-Days, Rises & sets.	Moon sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.
	1	S Day br. 5 54	0	M 14 23	28	2 S 30
	2	G Advent-Sund.	1	27 5	42	3 N 20
	3	M Sun rises 8 4	2	37 17	45	8 59
	4	T Sun sets 3 55	3	49 29	40	14 13
	5	W	5	2 11	8 31	18 56
	6	T Nicholas.	6	14 23	22	22 54
	7	F Day br. 5 57	7	27 5	13 25	55 6 0 8
	8	S Epnc. B. V. M.	D	rises 17	8 27	50
	9	G S. in Advent.	4	A 8 29	8 28	26
	10	M Twilight 2 12	5	9 11	26 13	27 42
	11	T Cl. flo. 6 m.	6	22 23	26 25	37
	12	W	7	37 5	18 47	22 18
	13	T Lucy.	8	56 18	18 17	56
	14	F Sun rises 8 11	10	14 1	12 21	43
	15	S Sun sets 3 48	11	32 14	2 6	50
	16	G S. in Advent.	Morn.	27 21	0	3
	17	Mof.-Term ends.	0	53 11	2 5	S 58
	18	T	2	16 25	8 12	24
	19	W Ember-Week	3	45 9	m 38	18 19
	20	T Twilight 2 12	5	17 24	29 23	17
	21	F St. Thomas.	6	51 9	4 35	26 47
	22	S Cl. flow 1 m.	D	sets 24	47 28	22
	23	G S. in Advent.	3	A 57 9	5 52	27 49
	24	M	5	24 24	41 25	17
	25	T Christm. Day.	6	55 9	3 6	21 10
	26	W St. Stephen.	8	21 23	2 15	59
	27	T St. John.	9	40 6	28 10	12
	28	F Holy Innocents.	10	57 19	26 4	11
	29	S	Morn.	29 0	1 N	49
	30	G S. aft. Christ.	0	10 14	17 7	36
	31	M St. Silvester.	1	21 26	19 13	1

to wet -

to wet -

to wet -

mt.ing -
to wet -

to wet -

Wing	Days	Saturn ♄ R/Decl.	Jupiter ♃ R/Decl.	Mars ♂ Decl.	Venus ♀ Decl.
Dec. 1764.	1	16 17 14 N 23	19 34 22 N 10	21 2 15 S 48	26 41 8 S 13
	7	15 53 14	17 19 22 16	25 28 14 12	3 43 10 38
	13	15 31 14	12 18 25 22	29 54 12 34	10 49 12 55
	19	15 12 14	7 17 44 22	27 4 20 10	51 17 59 15
	25	14 56 14	5 16 55 22	34 8 47 9	6 25 13 17

Observations.

D	M	Sun's Place.	Sun's Declin.	Observations.
1	9	♄ 53	21 S 58	
G	10	53	22	7 Day 7 h. 54 m. long.
3	11	54	22	15 Day decreased 8 h. 34 m.
4	12	55	22	23 Seven Stars south 48 m. after 10 at night.
5	13	56	22	31
6	14	57	22	38 Aldebaran south 25 m. past 11 at night.
7	15	58	22	45 ♃ in Apogeo, farthest from the Earth.
8	16	59	22	51 Saturn sets 14 m. after 5 in the morning.
G	18	0	22	56 Mars sets 44 m. past 9 at night.
10	19	1	23	2 Pole Star south 31 m. after 7 at night.
11	20	3	23	7
12	21	4	23	11 Day 7 h. 38 m. long.
13	22	5	23	15 Day decreased 8 h. 48 m.
14	23	6	23	18 Seven Stars south 3 m. past 10 at night.
15	24	7	23	21
G	25	8	23	24 Saturn sets 36 m. after 4 in the morning.
17	26	9	23	26 Mars sets 44 m. past 9 at night.
18	27	10	23	27 Pole Star south 56 m. after 6 at night.
19	28	12	23	28
20	29	13	23	29 Day decreased 8 h. 52 m.
21	♄	14	23	29 Sun enters ♄ 35 m. past 6 in the morn. ♃ in
22	1	15	23	29 Day 7 h. 34 m. long. (Apogeo.)
G	2	16	23	28 Saturn sets 4 m. after 4 in the morning.
24	3	17	23	27 Aldebaran south 6 m. after 10 at night.
25	4	18	23	25
26	5	20	23	23
27	6	21	23	20
28	7	22	23	17
29	8	23	23	13
G	9	24	23	9
31	10	26	23	4

*Eternity that boundeths Race,
Which Time himself can never run,
(Swift as he flies with an unweary'd Pace :)
Which when ten thousand thousand Years are done
Is still the same, and still to be begun.*

The Longitude of **Mercury**, and Declination for
the Year 1764.

Days	Janua.	Februa.	March	April	May	June
1	12 ^h 32	0 ^h 20	17 ^h 34	21 ^h 20	19 8 50	1 ^h 51
4	17 26	2 2	18 D 45	26 16	26 4	2 37
7	22 25	2 R 11	20 33	1 ^h 24	1 ^h 58	2 ^h 42
10	27 27	0 45	22 56	6 46	7 28	2 8
13	2 ^h 29	28 ^h 3	25 49	12 22	12 30	1 0
16	7 33	24 44	29 4	18 13	17 2	29 ^h 28
19	12 35	21 33	2 ^h 41	24 18	21 4	27 45
22	17 29	19 5	6 35	0 8 33	24 34	26 7
25	22 5	17 39	10 43	6 58	27 27	24 47
28	26 10	17 16	15 6	13 27	29 44	24 0
Days	July	August	Sept.	Octob.	Nov.	Dec.
1	2 ^h 53	3 ^h 28	29 ^h 59	1 ^h 2	21 ^h 2	6 ^h 29
4	24 D 32	9 42	4 ^h 22	1 ^h 5	24 50	11 11
7	25 55	15 51	8 34	0 0	29 1	15 54
10	28 7	21 53	12 35	27 ^h 40	3 ^h 29	20 38
13	1 ^h 25	27 43	16 20	24 22	8 9	25 22
16	4 41	3 ^h 20	19 49	20 42	12 52	0 ^h 8
19	8 59	8 46	23 3	17 34	17 35	4 54
22	13 53	14 0	25 54	15 49	22 19	9 44
25	19 24	19 1	28 15	15 D 44	27 3	14 34
28	25 17	23 51	0 ^h 0	17 12	1 ^h 46	19 23

The Declination of **Mercury** to every Sixth Day.

Days	Janua.	Februa.	march	April	May	June
1	24 S 47	10 S 37	14 S 21	5 S 41	18 N 36	24 N 0
7	23 41	8 26	14 37	1 33	22 22	22 28
13	21 37	8 46	13 50	3 N 14	24 36	20 50
19	18 38	11 1	12 9	8 24	25 29	19 29
25	14 56	13 14	9 37	13 44	25 15	18 46
Days	July	August	Sept.	Octob.	Nov.	Dec.
1	18 N 57	20 N 47	0 S 13	15 S 9	6 S 10	21 S 57
7	19 56	17 47	4 21	14 30	9 17	23 53
13	21 17	13 49	8 8	11 15	12 50	25 2
19	22 22	9 28	11 25	6 48	16 19	25 23
25	22 31	4 56	13 52	4 45	19 24	24 50

W I N G.

A

PROGNOSTICATION,

For the Year of our

L O R D G O D, 1764.

An Explanation of the Characters made use of in
this Almanack.

The Seven Planets,
and Five Aspects.

♄	Saturn
♃	Jupiter
♂	Mars
☉	The Sun
♀	Venus
☿	Mercury
☾	The Moon
♊	Conjunction
♋	Sextile
♌	Square
♍	Trine
♎	Opposition

Aspects.

The Twelve
Signs.

♈	Aries
♉	Taurus
♊	Gemini
♋	Cancer
♌	Leo
♍	Virgo
♎	Libra
♏	Scorpio
♐	Sagittary
♑	Capricorn
♒	Aquarius
♓	Pices

Lands surveyed, divided and inclosed, and Maps of the same correctly delineated. Also Timber and Pole Wood surveyed, valued and sold by *Vincent Wing of Pickworth*, in the County of *Rutland*.

Wing, 1764.

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	5768
1766	2948	Noah born	4712
2366	2348	Noah's Flood began	4112
2481	2233	The Babylonian Monarchy established	3997
2718	1996	Abraham born	3760
2986	1728	Joseph sold into Egypt	3492
3143	1571	Moses born	3335
3223	1491	The Israelites Departure out of Egypt	3255
3530	1184	Troy taken and destroyed by the Greeks	2948
3710	1004	Solomon's Temple built and dedicated	2768
4126	588	Jerusalem and the Temple destroyed	2352
4176	538	Daniel delivered from the Den of Lions	2302
4198	516	The Temple of Jerusalem rebuilt	2280
4391	323	The Death of Alexander the Great	2087
4710	4	The true Year of Christ's Birth	1768
4714	0	The vulgar Year of Christ's Birth	1764

A. D.		
33	The Passion and Resurrection of Jesus Christ	1731
70	Jerusalem and the Temple destroyed by Titus	1664
100	St. John, the last of the Apostles, dies Dec. 20	1664
313	Christianity triumphs under Constantine	1451
476	Augustulus the last Roman Emperor deposed	1288
606	The wicked Phocas makes Pope Boniface Head of the Church	1158
608	Mahomet broaches his Imposture at Mecca	1156
872	Italy and Rome plundered by the Saracens	892
1012	Swain King of Denmark conquers England	752
1066	William Duke of Normandy conquers England	698
1110	Arts and Sciences taught in Cambridge	654
1119	The first War between the French and English	645
1300	The Mariners Compass invented	464
1330	The Canaries discovered by an English Ship	434
1380	Gunpowder and the Use of Guns first found out	384
1453	Constantinople taken from the Christians	311

A.D.		Years since.
1463	The <i>Persians</i> conquered by <i>Tamerlane</i>	301
1500	<i>Rome</i> plundered by the Duke of <i>Bourbon</i>	264
1517	<i>Martin Luther</i> first disputed against <i>Popery</i>	247
1536	<i>England</i> separated from the Church of <i>Rome</i>	228
1588	The <i>Spanish Armado</i> defeated by the <i>English</i>	176
1603	<i>Q. Eliz.</i> dies, <i>March 24.</i> and <i>K. James I.</i> began	161
1604	Died of the <i>Plague</i> in <i>London</i> , in 2 Years, 68596	160
1605	<i>Gunpowder Treason</i> , <i>Nov. 5.</i>	159
1613	The <i>New-River Water</i> brought to <i>London</i>	151
1618	The excellent <i>Sir Walter Raleigh</i> beheaded	146
1625	<i>K. James I.</i> died, <i>K. Charles I.</i> began, <i>Mar. 27</i>	139
1625	35417 Persons died of the <i>Plague</i> in <i>London</i>	139
1641	The cruel <i>Irish</i> Massacre began, <i>October 23.</i>	123
1643	<i>Burleigh-House</i> stormed by <i>Cromwel</i> , <i>July 24.</i>	121
1649	<i>K. Charles I.</i> barbarously murdered, <i>January 30.</i>	115
1660	<i>K. Charles II.</i> restored, <i>May 29.</i>	104
1665	68586 Persons died of the <i>Plague</i> in <i>London</i>	99
1666	<i>London</i> burnt, and a great <i>Sea-Fight</i> with the <i>Dutch</i>	98
1672	<i>War</i> declared against the <i>Dutch</i> , <i>March 17.</i>	92
1674	A great <i>Snow</i> for 11 Days together	90
1675	The <i>Town</i> of <i>Northampton</i> burnt, <i>Sept. 3.</i>	89
1680	A great and splendid <i>Comet</i> appeared	84
1684	The great <i>Frost</i> that held 13 Weeks	80
1685	<i>K. Charles II.</i> died, <i>Feb. 6.</i> and <i>K. James II.</i> began	79
1685	The Duke of <i>Monmouth</i> beheaded, <i>July 15.</i>	79
1688	Seven <i>Bishops</i> sent to the <i>Tower</i> , <i>June 8.</i>	76
1688	<i>K. James II.</i> abdicated, <i>December 12.</i>	76
1689	<i>K. William</i> and <i>Q. Mary</i> crowned, <i>April 11.</i>	75
1692	The <i>French Fleet</i> entirely defeated by the <i>English</i>	72
1698	<i>Whitehall</i> Palace entirely destroyed by <i>Fire</i> , except the <i>Banqueting-House</i>	66
1702	<i>K. William</i> died, <i>March 8</i> and <i>Q. Anne</i> began	62
1702	<i>Q. Anne</i> proclaimed <i>War</i> against <i>France</i> , <i>May 4.</i>	62
1703	A great and terrible <i>Wind</i> , <i>Nov. 26</i> and <i>27.</i>	61
1704	<i>Gibraltar</i> taken by the <i>English</i>	60
1707	<i>England</i> and <i>Scotland</i> united, <i>May 1.</i>	57
1709	<i>Sacheveril</i> preached his <i>feditious Sermon</i> , <i>Nov. 5.</i>	55
1710	<i>Riots</i> and great <i>Disturbances</i> in <i>England</i>	54

Wing, 1764.

A.D.		Years since.
1714	Q. Anne died, August 1. and K. George I. began	50
1715	A famous Total Eclipse of the ☉ in England, April 22. in the Morning	49
1715	A Rebellion in Scotland and Lancashire suppressed	49
1716	A great Frost in the Beginning of this Year	48
1718	The Spanish Fleet destroyed by Admiral Byng, near Syracuse, July 31.	46
1719	A surprizing Meteor seen, March 19. at 8 at Night	45
1719	Mr. Flamsteed, a celebrated Astronomer, died Dec. 31.	45
1727	The incomparable Sir Isaac Newton died, Mar. 20.	37
1727	K. George I. died, June 11. and K. George II. began	37
1734	The Battle of the Breeches in Italy, Sept. 4.	30
1736	The Prince and Princess of Wales married, Ap. 27.	28
1739	Letters of Marque published in London against the Spaniards, July 16.	25
1739	War declared by Great Britain against Spain, October 23.	25
1739	Porto-Bello taken and destroyed by Admiral Vernon, November 22.	25
1740	A very severe Frost from Dec. 25. to Feb. 27.	24
1742	A Comet appeared from Feb. 18. to Mar. 14.	22
1742	A Conjunction of ♃ and ♃ August 18. in ♏	22
1743	A splendid Comet appeared from December 23. to February 18. in ♃	21
1744	March 4. France declared War against England; and March 31. England declared War against France.	20
1745	Cape Breton taken from the French, June 16.	19
1746	The Scotch Highland Rebels defeated by his Royal Highness the Duke of Cumberland, at Culloden, near Inverness, April 16.	18
1748	A General Peace signed October 7.	16
1749	Cape Breton restored to the French	15
1750	The British Fishery established	14
1751	The Prince of Wales died, March 20.	13
1752	The Date and Calendar altered	12
1755	Lisbon destroyed by an Earthquake, Nov. 1.	9
1756	England declared War against France, May 18.	8

Wing, 1763.

A D.		Years since.
1756	The Island <i>Minorca</i> taken by the <i>French</i> , <i>June 27.</i>	8
1757	Count <i>Brown</i> defeated by the King of <i>Prussia</i> near <i>Prague</i> , <i>May 6.</i>	7
1757	The King of <i>Prussia</i> defeated by Count <i>Daun</i> at <i>Collin</i> , <i>June 18.</i>	7
1758	The <i>French</i> defeated at <i>Crowell</i> by Pr. <i>Ferdinand</i> , <i>June 23.</i>	6
1758	Lord <i>Howe</i> slain, <i>July 6.</i> and Gen. <i>Abercrombie</i> repulsed at <i>Ticonderago</i> , <i>July 8.</i>	6
1758	<i>Cape Breton</i> taken by the <i>English</i> , <i>July 26.</i>	6
1758	The <i>Russians</i> defeated at <i>Zorndorff</i> by the King of <i>Prussia</i> , <i>Sept. 25.</i>	6
1759	The Island of <i>Guadalupe</i> taken by Gen. <i>Barrington</i> and Commodore <i>Moore</i> , <i>May 1.</i>	5
1759	The <i>French</i> defeated at <i>Minden</i> by Pr. <i>Ferdinand</i> , <i>August 1.</i>	5
1759	The King of <i>Prussia</i> defeated at <i>Cunnersdorff</i> by the Count <i>de Soltikoff</i> , <i>August 12.</i>	5
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>	5
1760	<i>Montreal</i> taken by Gen. <i>Amberst</i> , <i>Sept. 8.</i>	4
1760	K. <i>George II.</i> died, <i>Oct. 25.</i> and K. <i>George III.</i> began his Reign.	4
1761	<i>Pondicherry</i> taken by Col <i>Coot</i> , <i>Jan. 15.</i>	3
1761	K. <i>George III.</i> married Q. <i>Charlotte</i> , <i>Sept. 8.</i>	3
1761	K. <i>George III.</i> crowned, <i>Sept. 22.</i>	3
1762	The Island of <i>Martinico</i> taken by Gen. <i>Monckton</i> and Adm. <i>Rodney</i> , <i>Feb. 14.</i>	2
1762	George Prince of <i>Wales</i> born, <i>August 12.</i>	2
1762	The <i>Havannah</i> taken by Lord <i>Albemarle</i> and Sir <i>George Pocock</i> , <i>August 12.</i>	2
1763	A general Peace in all <i>Europe.</i>	1

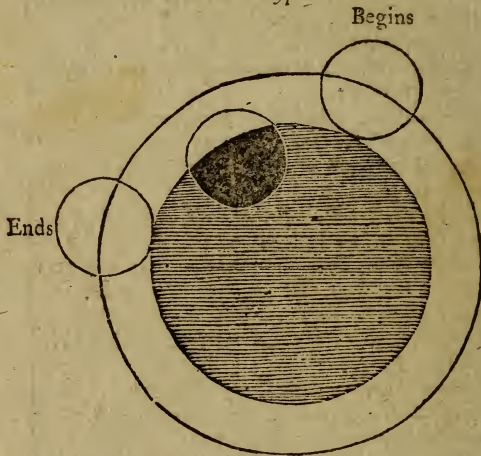
Wing, 1764.

Of the Eclipses this Year 1764.

FOUR Eclipses are expected this Year, two of each Luminary; and they will happen in the following Order.

The first is a partial and visible Eclipse of the Moon, and happens on *Saturday* the 17th Day of *March*, according to the following Calculation:

The Type.



	London.	York.	Edinburgh	
	h. m. f.	h. m. f.	h. m. f.	
The Beginning	10 39 37	10 35 37	10 27 37	} Mar. 17, Aftern.
Ecliptic ☿	11 57 21	11 53 21	11 45 21	
Middle	12 3 49	11 59 49	11 51 49	
End	13 28 1	13 24 1	13 16 1	
Duration	2 48 24	2 48 24	2 48 24	
Digits eclipsed	8° 40'	8° 40'	8° 40'	

The second is a very large Eclipse of the greater Luminary the Sun, and happens on *Midlent Sunday*, the first Day of *April*.

It

It will be visible in our Isle of *Great-Britain*, (if the Air prove clear) and more or less in most Parts of *Europe*: But this Eclipse cannot be total in any Part of our terraqueous Globe; for the Sun's apparent Semi-diameter at that Time will considerably exceed that of the Moon: But it will be an annular Eclipse at *London*, and in several other Southern Parts of this Kingdom; and a bright Ring of Light will be seen to encompass the Body of the Moon on all Sides, but of different Magnitudes in different Places; for the Center of the Moon's Shadow will scarcely enter any Part of our *British* Isle, if my Numbers be right. The following Calculations for *London*, *Nottingham*, and *Edinburgh*, were done from Tables reputed better than *Dr. Halley's*.

The Type for London.



	<i>London.</i>	<i>Nottingb.</i>	<i>Edinb.</i>	
	h. m. f.	h. m.	h. m.	
The Eclipse begins	9 3 7	9 4 $\frac{1}{2}$	9 0 $\frac{3}{4}$	} <i>April 1.</i> Morn.
Visible δ	10 32 5	
Middle	10 32 47	10 29 $\frac{1}{2}$	10 23	} Morn.
Ends Afternoon	0 8 25	11 59 $\frac{3}{4}$	11 52 $\frac{1}{2}$	
Duration	3 5 18	2 55 $\frac{1}{4}$	2 51 $\frac{3}{4}$	} Morn.
Digits eclipsed	(<i>Annular</i>)	11° <i>ferè</i>	10° $\frac{1}{3}$	

The third is another Eclipse of the Moon, on the 10th Day of *September*, near 7 in the Morning; visible in *America*.

The fourth Eclipse is of the Sun, on the 25th of *September*, near 5 in the Afternoon; visible in the Southern Parts of the Earth.

Wing, 1764.

A Table of the Eclipses of *Jupiter's* First Satelles, reduced to correct or apparent Time, 1764.

<i>January.</i>				<i>February.</i>				<i>April.</i>				<i>July.</i>			
Emerfions.				Emerfions.				Emerfions.				Immerfions.			
D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
2	10	14	30	28	1	26	47	21	4	5	50	18	13	44	2
4	4	42	24	29	19	55	58	22	22	34	57	20	8	12	31
5	23	10	19	<i>March.</i>				24	17	4	3	22	2	41	1
7	17	38	16	2	14	25	11	26	11	33	9	23	21	9	33
9	12	6	15	4	8	54	25	28	6	2	14	25	15	38	6
11	6	34	15	6	3	23	40	30	0	31	19	27	10	6	41
13	1	2	17	7	21	52	56	<i>May.</i>				29	4	35	18
14	19	30	21	9	16	22	14	1	19	0	23	30	23	3	57
16	13	58	29	11	10	51	32	3	13	29	26	<i>August.</i>			
18	8	26	39	13	5	20	51	5	7	58	27	1	17	32	37
20	2	54	52	14	23	50	11	7	2	27	25	3	12	1	18
21	21	23	7	16	18	19	32	8	20	56	20	5	6	30	1
23	15	51	24	18	12	48	53	10	15	25	11	7	0	58	45
25	10	19	44	20	7	18	15	12	9	54	0	8	19	27	30
27	4	48	7	22	1	43	38	14	4	22	48	10	13	56	17
28	23	16	33	23	20	17	2	15	22	51	35	12	8	25	7
30	17	45	2	25	14	46	25	17	17	20	20	14	2	53	59
<i>February.</i>				27	9	15	48	19	11	49	3	15	21	22	52
1	12	13	34	29	3	45	10	21	6	17	45	17	15	51	46
3	6	42	8	30	22	14	32	23	0	46	25	19	10	20	41
5	1	10	45	<i>April.</i>				24	19	15	3	21	4	49	36
6	19	39	25	1	16	43	53	26	13	43	39	22	23	18	32
8	14	8	8	3	11	13	13	28	8	12	14	24	17	47	29
10	8	36	54	5	5	42	33	30	2	40	47	26	12	16	27
12	3	5	43	7	0	11	52	<i>Jupiter near the Sun.</i>				28	6	45	27
13	21	34	34	8	18	41	11	<i>July.</i>				30	1	14	28
15	16	3	27	10	13	10	29	Immerfions.				31	19	43	31
17	10	32	23	12	7	39	46	11	11	50	18	<i>September.</i>			
19	5	1	22	14	2	9	2	13	6	18	42	2	14	13	35
20	23	30	23	15	20	38	17	15	0	47	7	4	8	41	39
22	17	59	26	17	15	7	30	16	19	15	34	6	3	10	43
24	12	28	31	19	9	36	41					7	21	39	47
26	6	57	38												

Wing, 1764.

September.				October.				November.				December.			
Immersions.				Immersions.				Immersions.				Immersions.			
D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
9	16	8	51	7	23	53	8	5	7	31	35	3	15	0	21
11	10	37	54	9	18	22	1	7	1	59	54	5	9	28	4
13	5	6	58	11	12	50	52	8	20	28	12	7	3	55	46
14	23	36	2	13	7	19	42	10	14	56	27	8	22	23	26
16	18	5	6	15	1	48	30	12	9	24	45	10	16	51	4
18	12	34	10	16	20	17	16	14	3	52	59	12	11	18	41
20	7	3	14	18	14	46	1	15	22	21	10	14	5	46	17
22	1	32	17	20	9	14	45	17	16	49	17	16	0	13	54
23	20	1	20	22	3	43	28	19	11	17	21	17	18	41	30
25	14	30	22	23	22	12	9	21	5	45	21	19	13	9	7
27	8	59	23	25	16	40	48	23	0	13	18	21	7	36	43
29	3	28	23	27	11	9	24	24	18	41	14	23	2	4	20
30	21	57	22	29	5	37	58	26	13	9	8	24	20	31	57
				31	0	6	27	28	7	37	0	26	14	59	34
<i>October.</i>				<i>November.</i>				<i>December.</i>							
2	16	26	20					30	2	4	49	28	9	27	12
4	10	55	17	1	18	34	53	<i>December.</i>				30	3	54	51
6	5	24	13	3	13	3	15	1	20	32	36	31	22	22	33

The Times of the Eclipses contained in this Table are adapted to the Meridian of the Royal Observatory near *London*; and by carefully observing the Times of the Immersions and Emerfions of this Satellite, which is the most convenient and proper for Geographical Purposes of any of the other three, the Longitude or Difference of the Meridian of the Place where the Observation is made, and the Place the Eclipses are calculated for, may be exactly discovered; and is the most correct and practical Method ever yet hit upon: notwithstanding the many whimsical, and some ingenious Ways, invented for that Purpose, by several Persons who have spent much Time and Labour, in Hopes of gaining the great Reward of Twenty Thousand Pounds offered by Parliament, for a practical Method of solving that grand Problem with Certainty, but hitherto to no Effect. It is also much more easy and correct to find the Difference of Meridians by this Method, than by the Eclipses of the Moon, not only on

Account

Account of their more frequent happening, but because the Motion and Times of these Immersions and Emerfions are more easily observed, than the Times of the Beginning and End of a Lunar Eclipse; because the Time of the Moon's Ingress into the Shadow of the Earth, and her Egress out of it, is not easily distinguished from that of the Penumbra.

I shall illustrate the Use of the Table by an Example.

Suppose, on the 5th Day of *December*, this present Year, the Time of the Immersion of *Jupiter's* First Satelles be observed by a Telescope to happen at 24 Minutes and 16 Seconds after 11 at Night: I find by the Table, that the Time of this Immersion will happen at the *British* Observatory, the same Night, at 28 Minutes and 4 Seconds past 9: The Difference of Time is 1 Hour, 56 Minutes, and 12 Seconds; which being converted into Degrees and Minutes of the Equator, gives 29 Degrees and 3 Minutes, the true Longitude Eastward; because, at the Place of Observation, the Time is more than that at the Observatory.

See the Operation.

	H.	M.	S.
Immersion at the Place of Observation,	11	24	16
Immersion at the Observatory, - - -	9	28	4

The Difference in Time is - - - -	1	56	12
In Degrees of the Equator - - -	29	3	0 East.

Wing, 1764.

A Table of the Equation of natural Days, exactly calculated for the Year 1764.

D.	Janu.	Febr.	March.	April.	May.	June.
1	4S. 1	14S. 8	12S. 41	3S. 49	3A. 12	2A. 39
2	4 29	14 16	12 28	3 31	3 20	2 30
3	4 57	14 23	12 14	3 13	3 27	2 21
4	5 25	14 29	12 1	2 55	3 33	2 11
5	5 52	14 34	11 47	2 37	3 39	2 1
6	6 18	14 38	11 32	2 19	3 44	1 50
7	6 44	14 41	11 17	2 2	3 48	1 39
8	7 10	14 43	11 1	1 45	3 52	1 28
9	7 35	14 45	10 45	1 28	3 55	1 16
10	8 0	14 46	10 29	1 11	3 58	1 4
11	8 25	14 46	10 12	0 54	4 0	0 52
12	8 49	14 46	9 55	0 38	4 1	0 40
13	9 12	14 45	9 38	0 22	4 1	0 27
14	9 35	14 43	9 21	0 6	4 2	0 15
15	9 57	14 41	9 4	0A. 9	4 2	0 2
16	10 17	14 38	8 46	0 24	4 2	0S. 10
17	10 37	14 34	8 29	0 38	4 1	0 23
18	10 56	14 29	8 10	0 52	3 59	0 36
19	11 15	14 23	7 52	1 5	3 57	0 49
20	11 33	14 16	7 33	1 18	3 54	1 1
21	11 50	14 9	7 15	1 31	3 50	1 14
22	12 7	14 1	6 56	1 43	3 46	1 27
23	12 23	13 53	6 37	1 55	3 41	1 40
24	12 38	13 44	6 18	2 6	3 36	1 52
25	12 52	13 35	5 59	2 17	3 30	2 5
26	13 5	13 25	5 40	2 27	3 24	2 17
27	13 17	13 15	5 21	2 37	3 18	2 30
28	13 29	13 4	5 3	2 46	3 11	2 42
29	13 40	12 53	4 44	2 55	3 4	2 54
30	13 50		4 26	3 4	2 56	3 6
31	13 59		4 7		2 48	

If the equal Time be given; add to, or subtract the tabular Numbers from it, as directed by the Table, the Sum or Difference will be the correct or apparent Time.

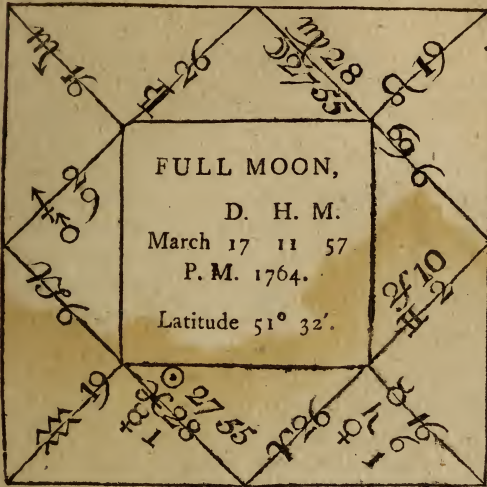
Wing, 1764.

A Table of the Equation of natural Days, exactly calculated for the Year 1764.

?	July	August.	Sept.	October:	Nov.	Decem.
1	3 S. 18	5 45	0 A. 29	10 A. 34	16 A. 14	10 A. 19
2	3 29	5 41	0 48	10 53	16 14	9 55
3	3 39	5 36	1 7	11 12	16 14	9 31
4	3 50	5 31	1 26	11 30	16 13	9 6
5	4 0	5 26	1 45	11 48	16 10	8 41
6	4 11	5 20	2 5	12 5	16 6	8 15
7	4 21	5 13	2 25	12 21	16 2	7 49
8	4 30	5 6	2 46	12 37	15 57	7 21
9	4 38	4 58	3 6	12 53	15 51	6 54
10	4 47	4 49	3 27	13 8	15 45	6 26
11	4 55	4 39	3 47	13 23	15 38	5 59
12	5 3	4 29	4 8	13 38	15 30	5 31
13	5 10	4 18	4 29	13 52	15 21	5 3
14	5 17	4 7	4 50	14 5	15 11	4 34
15	5 23	3 56	5 11	14 18	15 0	4 4
16	5 29	3 44	5 32	14 30	14 48	3 34
17	5 34	3 32	5 53	14 42	14 36	3 4
18	5 39	3 19	6 14	14 53	14 23	2 34
19	5 43	3 6	6 35	15 3	14 9	2 4
20	5 47	2 52	6 56	15 13	13 54	1 34
21	5 50	2 37	7 16	15 22	13 38	1 4
22	5 52	2 22	7 37	15 30	13 21	0 34
23	5 54	2 7	7 57	15 38	13 4	0 4
24	5 56	1 51	8 17	15 45	12 46	0 S 26
25	5 57	1 35	8 37	15 51	12 27	0 56
26	5 57	1 19	8 57	15 57	12 7	1 26
27	5 57	1 2	9 17	16 2	11 47	1 55
28	5 56	0 44	9 36	16 6	11 26	2 24
29	5 54	0 26	9 56	16 9	11 4	2 54
30	5 52	0 8	10 15	16 11	10 42	3 23
31	5 49	0 A 10		16 13		3 53

If the correct or apparent Time be given; add to, or subtract the tabular Numbers from it, contrary to the Directions of the Table; the Sum or Difference will be the equal Time.

Wing, 1764.



THE Vernal or Spring Quarter begins this Year on the 20th Day of *March*, 27 Minutes past 2 in the Morning: But, for Reasons formerly given in this Almanack, I shall have a more special Regard to the Time of the Lunation next preceding this Ingress, as a proper Basis to raise a Judgment upon this Year's Revolution; at which Time the Places of the Planets, and Cusps of the Houses, will be found as in the Scheme above.

A Demonstration

Wing, 1764.

A Demonstration that there are Mountains in the Moon.

“ **T**HE Surface of the Moon is not only rough and
“ uneven, but there are upon it most prodigious high
“ Mountains, and deep Vallies, which cover the whole Face
“ of the Moon: This we thus prove. If there were no Parts
“ in the Moon higher than the rest, no prominent Points, then
“ a right Line in the Dichotomy or Quadrature, and an elliptic
“ Line in all the other Phases, would terminate the light and
“ dark Parts of the Disk: But when the Moon is viewed with
“ a Telescope, we find that there is no regular Line which
“ separates Light and Darknes in the Moon’s Surface, but the
“ Confines of these Parts appear as it were toothed, and cut
“ with innumerable Notches and Breaks; and even in the
“ dark Part, near the Borders of the lucid Surface, there are
“ seen some small Places enlightened by the Sun’s Beams:
“ And upon the fourth Day after New Moon there may be
“ perceived some shining Points, like Rocks or small Islands,
“ within the dark Body of the Moon; but not far from the
“ Confines of Light and Darknes, there are observèd other
“ little Spaces which join to the enlightened Surface, but run
“ out into the dark Side; which by Degrees change their
“ Figure, ’till at last they come wholly within the illustrated
“ Face, and have no dark Parts round them: Afterwards we
“ observe many more shining Spaces to arise by Degrees, and
“ to appear within the dark Side of the Moon, which, before
“ they drew near to the Confines of Light and Darknes, were
“ invisible; being without any Light, but wholly immersed in
“ the Shadow. The contrary is observèd in the decreasing
“ Phases, where the lucid Spaces which joined the illuminated
“ Surface, by degrees recede from it; and after they are
“ separated quite from the Confines of Light and Darknes,
“ remain for some time visible, ’till at last they also disappear:
“ Now

Wing, 1764.

“ Now it is impossible that this should be, unless these shining
“ Points were higher than the rest of the Surface, so that the
“ Light of the Sun may reach them.

“ These shining Points situated in the Moon's Surface,
“ without the Confines of the illuminated Surface, are the
“ Tops of very high Mountains, which rising far above the
“ other Parts of the Surface, are sooner reached by the Sun's
“ Beams, and remain longer in the Light, than the rest of
“ the Parts do which are lower. Besides these, we likewise
“ observe, even in the illuminated Face of the Moon, many
“ dark and obscure Spots, which seem to be only Caverns, or
“ large Cavities; on which the Sun shining very obliquely,
“ and touching only their upper Edge with his Light, the
“ deeper Places remain without Light: But as the Sun rises
“ higher upon them, they receive more Light, and the Shadow
“ or dark Part grows smaller and shorter, 'till the Sun comes
“ at last to shine directly upon them; and then the whole
“ Cavity will be illustrated, and the Parts which were obscure
“ before, will then look as bright as the Tops of the Moun-
“ tains. From these constant Observations it is plain to a
“ Demonstration, that the Moon's Face is covered with Moun-
“ tains in some Places, and that in others it is cut with deep
“ Pits and Caverns.”

F I N I S.

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