ΑΤΛΑΣ ΟΥΡΑΝΙΟΣ.

THE COELESTIAL ATLAS;

Or, A new

EPHEMERIS

For the YEAR of our LORD 1763.

Being the THIRD after

BISSEXTILE, or LEAP-YEAR.

Wherein are contained

The Heliocentrick and Geocentrick Places of the Planets, the ECLIPSES of the Luminaries, and other remarkable PHÆNOMENA that will happen this Year.

Carefully computed

From the genuine TABLES of Dr. *Edmund Halley*, late Regius Professor of ASTRONOMY, and *Savilian* Professor of GEOMETRY in the University of *Oxford*.

ALSO

A Compleat ALMANACK, containing the FEASTS and FASTS of the Church of *England*; the Times of the LUNATIONS; the Rising and Setting of the Sun, Moon, and Planets, &c.

Adapted to the

Meridian and Latitude of the ancient and honourable CITY of LONDON.

To which are added,

Several useful TABLES: As, a TABLE of the Sun's Declination; a TABLE by which the Times of the Sun's Rising and Setting may be known by Inspection, on every Day in the Year, and in any Part of *Great-Britain* or *Ireland*; a TIDE-TABLE, and a very correct one of the Eclipses of *Jupiter*'s first Satelles; and, lastly, an exact TABLE of the Rising, Southing, and Setting of 30 of the most remarkable fixed Stars: Taken from Mr. *Flamsted*'s Catalogue.

By ROBERT WHITE, Teacher of the Mathematicks.

Οι ἀστέρες διηγοῦνται δόξαν Θεοῦ.

The FOURTEENTH IMPRESSION, Improved.

LONDON:

Printed by T. PARKER, for the Company of STATIONERS.

Chronological Notes for the Year 1763.

Golden Number	16	Septuageſima Sun.	Jan. 30
Cycle of the Sun	8	Shrove Sunday	Feb. 13
The Epact	15	Eaſter Day	April 3
Dominical Letter	B	Whitſunday	May 22
Number of Direction	13	Trinity Sunday	May 29
Roman Indiction	11	Advent Sunday	Nov. 27

Aſtronomical Characters explained.

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

♄ Saturn	☉ Sol (the Sun)	☽ Luna (the Moon)	⊕ Tellus, Terra (or the Earth)
♃ Jupiter	♀ Venus	☊ Moon's N. Node	
♂ Mars	☿ Mercury	☋ her S. Node	

☌ Conjunction when Planets are in the ſame Sign, Deg. Min. &c.

Of the Four Quarters of the Year 1763.

THE Spring Quarter begins on the 20th Day of *March*, at 38 Minutes paſt 8 at Night, Apparent Time.

The Summer Quarter begins *June* the 21ſt, 33 Minutes paſt 7 in the Afternoon.

The Autumnal Quarter begins on the 23d Day of *September*, at 8 Minutes after 9 in the Morning.

The Winter Quarter begins *December* 21ſt, 46 Minutes after Midnight.

THE beautiful Planet Venus is an Evening Star to the 12th Day of *January*; and from that Time ſhe becomes a Morning Star until the 25th Day of *October*, and after that Time ſhe will be an Evening Star again to the End of the Year.

Jupiter is an Evening Star to the 14th Day of *May*, and then becomes a Morning Star until the 3d Day of *December*, when he will be again an Evening Star to the Year's End.

A TABLE of the Longitudes, Latitudes, and Magnitudes, of the most remarkable Fixed Stars that the Moon can eclipse or make a near Appulse unto; taken from Mr. Flamsteed's Historia Cœlestis, and rectified to the Beginning of the Year 1763.

Constellations.	Bay. Ch.	Longitude. ☉ / //	Latitude. ° / //	Magni.
♓	δ	♈ 10 47 37	2 9 44 B.	4
	ε	♉ 14 10 31	1 4 7 B.	4
	ζ	16 30 33	0 13 25 A.	4
♈	κ	23 27 40	5 21 7 B.	4
♉	δ	♊ 17 28 38	1 47 34 B.	4
	π	26 38 28	4 0 37 B.	3
	γ	♋ 2 25 54	5 46 22 A.	3
	ε	5 5 31	2 35 58 A.	3.4
Ald.	α	6 25 20	5 29 49 A.	1
	ι	13 25 56	1 14 34 A.	4
	β	19 12 16	5 21 34 B.	2
	ζ	21 25 48	2 14 21 A.	3
♊	κ	♌ 1 56 30	0 51 22 A.	3
	ν	3 26 40	3 6 3 A.	4
	γ	5 44 38	6 47 19 A.	2.3
	ε	6 34 57	2 1 30 B.	3
	λ	11 37 51	2 5 27 A.	3.4
	ζ	15 9 56	0 13 7 A.	3
	ζ	19 54 29	6 39 27 B.	2
♋	γ	♍ 4 11 20	3 9 41 B.	4
	δ	5 22 0	0 3 46 B.	4
	ξ	18 18 4	3 11 22 A.	4
♌	o	20 54 28	3 46 50 A.	3.4
	π	24 32 44	4 50 20 B.	3.4
	π	25 57 24	3 56 18 A.	4
Cor.	α	26 29 40	0 26 38 B.	1
	ρ	♎ 3 2 10	0 7 48 B.	4
	τ	18 9 42	0 34 4 A.	4
♍	β	23 44 34	0 40 47 B.	3

Constellations.	Bay. Ch.	Longitude. ☉ / //	Latitude. ° / //	Magni.
♍	c	♎ 0 0 37	5 4 22 B.	4.3
	η	1 29 12	1 22 1 B.	3
	γ	6 50 31	2 48 53 B.	3
	θ	14 52 43	1 45 29 B.	4
Spica	α	20 29 41	2 1 59 A.	1
	χ	♍ 1 9 ☉	2 55 40 B.	4
♎	α	11 45 0	0 22 51 B.	2
	γ	21 47 13	4 25 27 B.	3.4
	π	24 0 58	4 2 52 B.	4
	θ	26 31 24	3 30 4 B.	4
	λ	27 8 3	0 7 50 B.	4
♏	δ	29 14 10	1 56 31 A.	3
	π	29 35 45	5 25 46 A.	3
	β	29 51 16	1 3 9 B.	2
	ν	♐ 1 18 31	1 40 50 B.	4
Co.	α	6 24 24	4 31 26 A.	1
	τ	8 6 16	6 4 23 A.	4
♐	γ	27 54 7	6 55 51 A.	3
	δ	♑ 1 12 32	6 25 21 A.	3
	λ	2 58 15	2 4 1 A.	4
	σ	9 1 32	1 23 32 A.	4.3
	τ	11 28 ☉	5 1 12 A.	4
	o	11 39 6	0 54 38 B.	4
	π	12 55 3	1 28 59 B.	4
♑	β	♒ 0 42 17	4 37 27 B.	3
	γ	18 26 2	2 31 18 A.	4
	δ	20 11 34	2 32 19 A.	3
♒	ι	25 22 21	2 3 15 A.	4
	θ	29 54 4	2 43 47 B.	4

I have inserted this Table to oblige the Curious. If 50 Seconds be added for every succeeding, and subtracted for every preceding Year, the Longitudes may be found at all Times, and the Latitudes vary not. If any Error of the Press shall happen, I will advertise my Readers of it in my next.

A Table of the Difference of Meridians in Time, from the Royal Obſervatory near *London*, and of the Latitudes of ſeveral famous Cities, and other remarkable Places. Taken from Dr. *Halley*'s Tables.

Names of Places.	Diff. Mer. h.	m.	ſ.		Alt. of Pole. d.	m.	ſ.	
Alexandria in Egypt	2	1	6	A.	31	7	0	N.
Athens in Greece	1	35	30	A.	38	5	0	N.
Babylon in Egypt, Grand Cairo	2	5	45	A	30	2	30	N.
Berlin in Brandenburg	0	53	50	A.	52	33	0	N.
Cape of Good Hope in Africa	1	8	0	A.	34	15	0	S.
Cadiz in Spain	0	24	28	S.	36	33	30	N.
Carthagena in America	5	0	46	S	10	26	0	N.
Copenhagen in Denmark	0	51	0	A.	55	40	45	N.
Dantzick in Poland	1	15	12	A.	54	22	0	N.
Iſland of St. Helen	0	24	0	S.	15	55	0	S.
Jeruſalem	2	21	20	A	31	55	0	N.
London at St. Paul's	0	0	20	S.	51	30	40	N.
Liſbon in Portugal	0	36	50	S	38	42	30	N.
Moſcow in Ruſſia	2	41	20	A	55	36	0	N.
Naples in Italy	0	58	40	A.	40	50	45	N.
Obſervatory at Greenwich	0	0	0	—	51	28	30	N.
Obſervatory at Paris	0	9	20	A.	48	50	10	N.
Oxford	0	5	4	S.	51	45	0	N.
Peterſburg in Ruſſia	2	1	20	A.	60	0	0	N.
Pekin in China	7	45	20	A.	39	54	0	N.
Porto Bello in America	5	19	20	S.	9	33	5	N.
Prague in Bohemia	0	59	0	A.	50	4	30	N.
Rome, the Metropolis of Italy	0	50	0	A.	41	54	0	N.
Rochelle in France	0	5	4	S.	46	9	43	N.
Smyrna in Turky	1	49	19	A.	38	28	7	N.
Teneriff Mountain	1	6	12	S.	28	23	27	N.
Terra del Gada in Madagaſcar	2	58	0	A.	19	29	0	S.
Tornea in Lapland	1	35	15	A.	65	50	50	N.
Venice in Italy	0	48	18	A.	45	25	0	N.
Vienna in Auſtria	1	5	30	A.	48	12	48	N.
Upſal in Sweden	1	11	0	A.	59	51	50	N.

A TABLE of the KINGS and QUEENS of *England* since the Conquest.

Kings and Queens.	Born A D.	Began their Reign.	Reigned Y.	M.	D.	Age.	Rem. Deaths and Dethron.	Where Buried.
Will. Conq.	1027	1066	Oct. 14	20	10	26	60	Burst by Leap.	Caen, Norm
Will. Rufus	1057	1087	Sept. 9	12	10	24	43	Slain accidentally.	Winchester
Henry I	1058	1100	Aug. 2	35	4	0	77		Reading
Stephen	1105	1135	Dec. 1	18	10	24	49		Feversham
Henry II	1134	1154	Oct. 25	34	8	12	55		Fonteveraud
Richard I	1156	1189	July 6	9	9	0	43	Slain with an Arrow.	Fonteveraud
John	1166	1199	April 6	17	6	13	50		Worcester
Henry III	1207	1216	Oct. 19	56	0	28	65		Westminster
Edward I	1239	1272	Nov. 16	34	7	21	67		Westminster
Edward II	1284	1307	July 7	19	6	13	43		Glouceſter
Edward III	1312	1327	Jan. 20	50	5	1	65		Westminster
Richard II	1366	1377	June 21	22	3	8	33	Dep. & murd.	Westminster
Henry IV	1367	1399	Sept. 29	23	5	21	46		Canterbury
Henry V	1389	1413	Mar. 20	9	5	11	33		Westminster
Henry VI	1421	1422	Aug. 31	38	6	4	49	Dep. & murd.	Windsor
Edward IV	1442	1461	Mar. 4	22	1	5	41		Windsor
Edward V	1471	1483	April 9	0	2	15	12	Murder'd.	Not known
Richard III	1443	1483	June 22	2	2	0	42	Slain in Battle.	Leiceſter
Henry VII	1457	1485	Aug. 22	23	8	0	52		Westminster
Henry VIII	1492	1509	April 22	37	9	6	55		Windsor
Edward VI	1537	1547	Jan. 28	6	5	9	15		Westminster
Mary I	1516	1553	July 6	5	4	11	42	Died of Grief.	Westminster
Elizabeth	1533	1558	Nov. 17	44	4	7	69		Westminster
James I	1566	1603	Mar. 24	22	6	3	58		Westminster
Charles I	1600	1625	Mar. 27	23	10	3	48	Murder'd by Villains.	Windsor
Charles II	1630	1649	Jan. 30	36	0	7	54		Westminster
James II	1633	1685	Feb. 6	4	0	7	67	Abdicated.	St. Germain
Mary II	1662	1689	Feb. 13	5	10	15	32		Westminster
William III	1650	1689	Feb. 13	13	0	23	52	Kil.'d by a Fall	Westminster
Anne	1665	1702	Mar. 8	12	4	24	49	from his Horſe.	Westminster
George I	1660	1714	Aug. 1	12	10	10	67		Hanover
George II	1683	1727	June 11	33	4	3	77		Westminster
George III	1738	1760	Oct. 25	Whom God prosper.					

All hail! Great GEORGE renowned Prince of Might,
Our King by Providence, and lawful Right,
Rome's fatal Foe, and Proteſtan's Delight:
May Peace and Plenty all your Days remain.
And *Neſtor*'s Years conclude your happy Reign.

A TABLE of the Most Reverend, Right Reverend, and Reverend, the Bishops and Deans, exercising Ecclesiastical Jurisdiction, 1763.

Bishops	Sees	Date Succeeded	Deans
Dr. Thomas Secker Arch-Bishop	*Bristol*	1734 Cecil translated	
	Oxford	1737 Potter translat.	
	Canterb. A.B.	1758 Hutton deceas.	Dr. Will. Friend
H.Dr R.Drummond Arch-Bishop	*St. Asaph*	1748 Lisle transl.	
	Salisbury	1761 Thomas transl.	
	York A.B.	1761 Gilbert deceas.	Dr. [illegible] Fountayne
Dr.R.Osbaldeston	*Carlisle*	1747 Fleming dec.	
	London	1762 Hayter deceas.	Dr. John Hume
Hon. Dr. R. Trevor	*St. David's*	1744 Willes translat.	
	Durham	1752 Butler deceased.	Dr. Spen. Cowper
Dr. John Thomas	*Peterborough*	1747 Clavering dec.	
	Salisbury	1757 Gilbert transl.	
	Winchester	1761 Hoadley dec.	Dr. Jonat. Shipley
Dr. Matt. Mawson	*Landaff*	1738 Harris deceased	
	Chichester	1740 Hare deceased	
	Ely	1754 Gooch deceased	Dr. Hugh Thomas
Dr. Edward Willes	*St. David's*	1742 Clagget transl.	
	Bath & Wells	1743 Wynn deceased	Dr. Sam. Creswick
Dr. John Thomas	*St. Asaph*	1743 Maddox transl.	
	Lincoln	1744 Reynolds dec.	
	Salisbury	1761 Drummond tra	Dr. Tho. Green
Lord J. Beauclerk	Hereford	1746 Egerton deceas.	Dr. Fran. Webber
Dr. — Crane	Exeter	1762 Lavington dec.	Dr. Jer. Miles
Dr. Zachary Pearse	*Bangor*	1747 Hutton transl.	
	Rochester	1756 Wilcox dec.	Dr. John Newcome
H.Dr.Fr.Cornwallis	Litch. & Cov.	1749 Smalbroke de.	Dr. J. Addenbrooke
Dr. Edmund Keene	Chester	1752 Peploe deceased	Dr. W. Smith
Dr. James Johnson	*Gouceſter*	1752 Benson deceas.	
	Worcester	1759 Maddox deceas.	Dr. John Waugh
Dr. W. Ashburnham	Chichester	1754 Mawson transl.	Tho. Ball, M. A.
Dr. Ric. Newcomb	*Landaff*	1755 Cressett dec.	
	St. Asaph	1761 Drummond tr.	Dr. Will. Herring
Dr. John Hume	*Bristol*	1756 Conybeare dec.	
	Oxford	1758 Secker transl.	Dr. David Gregory
Dr. John Egerton	Bangor	1756 Pearse transl.	Dr. Thom. Lloyd
Dr. Rich. Terrick	Peterborough	1757 Thomas transl.	Dr. Robert Lamb
Dr. Philip Yonge	*Bristol*	1758 Hume translat.	
	Norwich	1761 Hayter transl.	Dr. E. Townshen
Dr. Will. Warburton	Glouceſter	1759 Johnson transl.	Dr. J. Tucker
Dr. Samuel Squire	St. David's	1761 Ellis deceased.	J. Morgan B D Pr.
Dr. John Ewer	Landaff	1761 Newcomb tran.	Fulham A. M.
Dr. John Green	Lincoln	1761 Thomas tran.	H. Jo. Yorke D.D
Dr. Thomas Newton	Briſtol	1761 Yonge transl.	Dr. Fr. Ayscough
Dr. Cha. Lyttelton	Carliſle	1762 Osbaldeston tr.	Dr. Robert Bolton
	Weſtminſter		Dr. Zach. Pearse
Dr. Mark Hildersley	Sodor & Man	1755 Wilson deceas.	
	Windsor		Dr. Pen. Booth.

The Names of the Learned Judges of the Law.

The Rt. Hon. Lord *Henley*, Lord High Chancellor of *England*
Sir *Thomas Clarke*, Knt. Master of the *Rolls*.

In the *King's Bench.*	The *Common Pleas.*	The *Exchequer.*
Rt. Hon. *William* Ld. *Mansfield*, L. C. J.	Sir *Cha. Pratt*, L.C.J.	Sir *T. Parker*, L. C. B.
Sir *Thomas Denniſon*,	Hon. *W. Noel*, Eſq;	Sir *S. Stafford Smyth*,
Sir *Michael Foſter*,	*Henry Bathurſt*, Eſq;	Sir *Richard Adams*,
Sir *Eardly Wilmot.*	*Edward Clive*, Eſq;	Sir *Henry Gould*, Knts.

Hon. *Charles York*, Eſq; Attorney-General.
Fletcher Norton, Eſq; Sollicitor-General.

A TABLE of TERMS and their RETURNS.

Hilary Term begins *Jan.* 24, ends *Feb* 12.

Returns or Eſſoign-days.		Exc.	Ret.	Ap.	W. D
In eight Days of St. *Hilary*,	*Jan.* 20	21	22	24	Mond.
From the Day of St. *Hilary* in 15 Days,	27	28	29	31	Mond
On the Morrow of the Purif. Bleſſed *Mary*,	*Feb.* 3	4	5	7	Mond
In eight Days of the Purif. of Bleſſed *Mary*,	9	10	11	12	Satur.

Eaſter Term begins *April* 20, ends *May* 16.

From the Day of Eaſter in 15 Days,	*April* 17	18	19	20	Wedn
From the Day of Eaſter in 3 Weeks,	24	25	26	27	Wedn.
From the Day of Eaſter in 1 Month,	*May* 1	2	3	4	Wedn.
From the Day of Eaſter in 5 Weeks,	8	9	10	11	Wedn.
On the Morrow of the Aſcenſion,	13	14	15	16	Mond.

Trinity Term begins *June* 3, ends *June* 22.

On the Morrow of the Holy Trinity,	*May* 30	31	*Jun.* 1	3	Friday
In eight Days of the Holy Trinity,	*June* 5	6	7	8	Wedn.
From the Day of the Holy Trinity in 15 Days,	12	13	14	15	Wedn.
From the Day of the H. Trinity in 3 Weeks,	19	20	21	22	Wedn.

Michaelmas Term begins *Nov.* 7, ends *Nov.* 28.

On the Morrow of All Souls,	*Nov.* 3	4	5	7	Mond.
On the Morrow of St. Martin,	12	13	14	15	Tueſd.
In eight Days of St. Martin,	18	19	20	21	Mond.
In 15 Days of St. Martin,	25	26	27	28	Mond.

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.

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

January hath XXXI Days, White.

The LUNATIONS. Apparent Time.

Last Quarter the 6th Day, 12 Minutes past 5 in the Afternoon.
New Moon the 14th Day, 8 Minutes past 4 in the Morning.
First Quarter the 22d Day, 57 Minutes past 8 in the Morning.
Full Moon the 29th Day, 55 Minutes after 11 in Morning.

M. D.	Sundays & other remarkable Days	Sun rises.		Sun sets.		Dec. ☉ South.		Dec. ☽ North.		Moon rises.		Moon's South.		Clock af. Sun	
1	Circumcision	8	4	3	56	23	2	24	54	5A	28	1	2	4	6
B	1 Sun. aft. Christm.	8	4	3	56	22	57	20	47	7	0	2	4	4	35
3	7 Stars So. 20 M.	8	3	3	57	22	51	15	24	8	32	3	1	5	3
4	past 8 at Night.	8	2	3	58	22	45	3	13	10	0	3	53	5	31
5	Old Christm. Day	8	1	3	59	22	38	2	38	11	23	4	42	5	58
6	Epiphany	8	0	4	0	22	31	38	57	Morn.		5	29	6	25
7		7	59	4	1	22	24	10	15	0	44	6	15	6	51
8	Lucian P. & M.	7	58	4	2	22	16	15	59	2	8	7	3	7	17
B	1 Sun. aft. Epiph.	7	57	4	3	22	7	20	51	3	31	7	53	7	42
10	Aldebaran So. 24	7	56	4	4	21	59	24	35	4	52	8	48	8	6
11	M. past 8 at Nig.	7	55	4	5	21	49	27	1	6	10	9	39	8	30
12	Old N. Yrs. Day	7	54	4	6	21	40	27	57	7	17	10	33	8	54
13	Camb. Term beg.	Hilary		4	7	21	30	27	26	8	8	11	29	9	17
14	Oxfo. Term beg.	7	52	4	8	21	19	25	32	☽	sets.	0A.	20	9	39
15		7	51	4	9	21	8	22	26	5A.	13	1	10	10	0
B	2 Sun. aft. Epiph.	7	50	4	10	20	57	18	27	6	27	1	55	10	21
17	Old Twelfth Day	7	49	4	11	20	45	13	46	7	40	2	37	10	41
18	Q. Char. B. D. kept	7	48	4	12	20	33	8	37	8	50	3	17	11	1
19		7	46	4	14	20	21	3	11	9	58	3	56	11	20
20	Fabian B. & M.	7	45	4	15	20	8	2N.	24	11	7	4	35	11	38
21	Agnes V. & M.	7	43	4	17	19	54	7	55	Morn.		5	15	11	55
22		7	42	4	18	19	41	13	16	0	20	5	57	12	11
B	3 Sun. aft. Epiph.	7	40	4	20	19	27	18	12	1	33	6	43	12	27
24	Term begins	7	39	4	21	19	12	22	29	2	50	7	33	12	43
25	Conv. of St. Paul	7	37	4	23	18	58	25	46	4	12	8	28	12	56
26	Rigel So. 26 M.	7	35	4	25	18	43	27	42	5	30	9	28	13	9
27	after 8 at Night	7	34	4	26	18	27	27	54	6	37	10	32	13	21
28	Sirius So. 10 M.	7	32	4	28	18	12	26	11	7	29	11	35	13	33
29	past 9 at Night	7	30	4	30	17	56	22	38	☽	rises	Morn.		13	44
B	Septuagesim. Sun.	Q. Char.				17	39	17	33	5A.	52	0	35	13	54
31		7	27	4	33	17	23	11	22	7	25	1	32	14	3

Day	Day increas.	Length of Day.	Helioc. Pla. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ☉	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn sets.
1	0 8	7 52	25♈35	11♉39	24♓42	10♑55	4♑34	9♐35	0M50
7	0 18	8 2	23 48	12 11	28 27	17 2	14 17	26 7	0 25
13	0 30	8 14	24 1	12 44	2♈11	23 9	24 1	13♍16	11A.57
19	0 44	8 28	24 14	13 16	5 53	29 16	3♌46	1♎53	11 33
25	1 2	8 46	24 26	13 49	9 34	♌22	13 31	22 57	11 9

Full Grace came to Rie with us on Wednesday the 19th of Jan. 1763

January 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♅ South.	Lat. ♂ South.	Lat. ♀ North.	Lat. ☿ South.
1	5 59	6 1	2 10	29 38	2 3	1 12	1 5	2 59	0 57
7	5 56	6 4	2 9	29 0	2 31	1 11	1 1	4 31	1 29
13	5 52	6 8	2 7	28 19	2 29	1 9	0 56	5 50	1 52
19	5 46	6 14	2 5	27 39	2 28	1 7	0 52	6 42	2 5
25	5 39	6 21	2 3	26 59	2 26	1 5	0 48	7 5	2 1

Days	☉ d.	☉ m.	☉ ♍ s.	☽ ☊	☽ Lat. North.	♄ ♈	♅ ♉	♂ ♒	♀ ℞ ♍	☿ ♍
1	10	55	18	0 54	5 1	17 33	0 58	25 10	27 26	0 58
B	11	56	28	15 38	4 49	17 34	1 0	25 57	27 1	2 31
3	12	57	39	0♍19	4 18	17 35	1 1	26 44	26 34	4 4
4	13	58	49	14 51	3 31	17 37	1 3	27 30	26 4	5 38
5	14	59	59	29 9	2 31	17 39	1 5	28 17	25 33	7 13
6	16	1	9	13♎12	1 23	17 41	1 7	29 4	25 0	8 48
7	17	2	18	26 59	0 11	17 43	1 9	29 50	24 26	10 23
8	18	3	27	10♏33	1 S 1	17 45	1 12	0♓37	23 51	11 59
B	19	4	36	23 54	2 8	17 47	1 15	1 23	23 15	13 35
10	20	5	46	7♐ 3	3 6	17 50	1 18	2 10	22 38	15 12
11	21	6	55	20 1	3 55	17 52	1 21	2 56	22 2	16 49
12	22	8	3	2♑48	4 30	17 54	1 25	3 43	21 25	18 27
13	23	9	10	15 24	4 52	17 57	1 28	4 29	20 48	20 4
14	24	10	17	27 50	5 0	18 0	1 32	5 16	20 11	21 41
15	25	11	23	10♒ 5	4 53	18 2	1 36	6 2	19 35	23 21
B	26	12	28	22 10	4 33	18 5	1 40	6 49	19 0	25 1
17	27	13	33	4♓ 6	4 2	18 8	1 45	7 35	18 27	26 41
18	28	14	37	15 58	3 20	18 11	1 49	8 22	17 55	28 22
19	29	15	40	27 46	2 30	18 15	1 54	9 8	17 25	0♒ 3
20	♒	16	43	0♈36	1 32	18 18	1 59	9 55	16 57	1 45
21	1	17	45	21 31	0 31	18 22	2 4	10 41	16 30	3 28
22	2	18	47	3♉38	0N 33	18 25	2 9	11 28	16 5	5 11
B	3	19	47	16 1	1 37	18 29	2 15	12 14	15 42	6 55
24	4	20	46	28 46	2 38	18 32	2 20	13 1	15 21	8 39
25	5	21	45	11♊58	3 32	18 36	2 26	13 47	15 2	10 23
26	6	22	43	25 40	4 17	18 39	2 32	14 33	14 45	12 8
27	7	23	40	9♋49	4 47	18 43	2 38	15 20	14 31	13 54
28	8	24	36	24 25	5 0	18 48	2 45	16 6	14 20	15 43
29	9	25	31	9♌21	4 53	18 52	2 51	16 52	14 11	17 27
B	10	26	25	24 28	4 25	18 56	2 58	17 39	14 5	19 14
31	11	27	17	9♍34	3 39	19 1	3 5	18 25	14 2	21 0

Days	Jupiter sets.	Mars sets.	Venus sets.	Mercu. rises.	Dec. ♄ North.	Dec. ♅ North.	Dec. ♂ South.	Dec. ♀ South.	Dec. ☿ South.
1	2M11	7A. 54	5A. 36	7M31	4 33	10 43	14 10	17 47	24 26
7	1 46	7 55	5 2	7 47	4 38	10 48	12 30	16 50	24 33
13	1 22	7 56	rises	sets	4 45	10 55	10 45	16 7	23 49
19	0 59	7 57	6M25	4A. 7	4 53	11 5	8 58	15 43	22 13
25	0 38	7 59	5 49	4 42	5 3	11 19	7 7	15 36	19 36

February hath XXVIII Days. White.

The LUNATIONS,

Last Quarter the 5th Day, 27 Minutes after 3 in the Morning.
New Moon the 12th Day, 15 Minutes past 10 at Night.
First Quarter the 21st Day, 31 Minutes after 2 in the Morning.
Full Moon the 27th Day, 6 Minutes past 10 at Night.

M. D.	Stands in the Remarkable Days	Sun rises.	Sun sets.	Dec. ☉ South.	Dec. ☽ North.	Moon rises	Moon Sou.	Clock ref. fun
1		7 20	5 3	17 6	4 37	8A 57	M 2	14 11
2	Puri. B. & V.	7 24	5 5	17 48	2 S. 17	10 21	3 1	14 18
3	Blase B. & M.	7 27	5 7	18 31	8 56	11 46	4 3	14 24
4		7 31	5 9	18 13	14 55	Morn.	4	14 29
5	Agatha V. & M	7 35	5 11	17 55	20 37	1 12	5	14 34
6	Septuages. Sunday	7 38	5 13	17 36	24	2 35	6	14 38
7		7 42	5 16	17 16	26 46	3 55	7 28	14 41
8	Rigel So. 34 M	7 45	5 18	16 56	28 1	5 5	8 22	14 43
9	after 7 at Night.	7 49	5 20	16 35	27 49	6 2	9 1	14 45
10	Procyon So. 40 M.	7 52	5 22	16 14	26 23	6 44	10 1	14 46
11	past 9 at Night	7 56	5 24	15 52	23 24	7 13	11 0	14 46
12	Term ends	7 59	5 26	15 30	19 37	D sets.	11 47	14 46
13	Shrove Sunday	Old Candlem. D	5 28	15 8	15 4	5 A 24	0 A. 30	14 45
14	Valentine B. & M.	7 3	5 30	14 45	9 59	6 34	1 11	14 43
15	Shrove Tuesday	7 7	5 32	14 23	4 34	7 43	1 51	14 40
16	Ash Wednesday	6 59	5 34	14 0	0 51	8 52	2 30	14 37
17		6 57	5 36	13 38	6 34	10 3	3 9	14 33
18	Sirius Sou. 27 M.	6 55	5 38	13 16	11 56	11 16	3 51	14 28
19	after 8 at Night.	6 53	5 40	12 54	16 57	Morn.	4 35	14 22
20	1st Sun. in Lent	6 51	5 42	12 32	21 24	0 31	5 22	14 15
21	Procyon So. 7 M.	6 49	5 44	12 10	24 58	1 30	6 14	14 8
22	past 9 at Night	6 47	5 46	11 47	27 23	3 8	7 10	14 0
23	Ember Week	6 45	5 48	11 25	28 38	4 19	8 10	13 52
24	St. Matthias	6 43	5 50	11 2	28 39	5 17	9 14	13 43
25	Sirius South at 8	6 41	5 52	10 40	27 35	6 0	10 16	13 33
26	at Night	6 39	5 54	10 17	25 9	6 29	11 14	13 23
27	2d Sun. in Lent	6 36	5 56	9 54	21 19	☽ rises.	Morn.	13 12
28		6 36	5 58	9 31	16 19	6 A 23	0 10	13 1

Days.	Days increas.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ☉	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn sets.
1	1 24	9 8	24♈41	14♉27	13♈50	12♌28	24♌54	22♓15	10A.43
7	1 47	9 31	24 54	14 59	17 27	18 33	4♍39	22♈43	10 23
13	2 7	9 51	25 6	15 37	21 3	24 37	14 24	28♉24	10 2
19	2 31	10 15	25 19	16 4	24 37	0♍40	24 8	6♊ 6	9 43
25	2 55	10 39	25 32	16 37	28 10	6 41	3♎51	11♌11	9 23

February 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twili.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♅ South.	Lat. ♂ South.	Lat. ☿ North.	Lat. ♀ South.
1	5 30	6 30	2 0	26 14	2 24	1 3	0 43	7 2	1 35
7	5 21	6 39	1 59	25 37	2 23	1 2	0 38	6 40	0 46
13	5 12	6 48	1 57	25 6	2 22	1 0	0 34	6 8	0N28
19	5 0	7 0	1 57	24 37	2 21	0 59	0 29	5 29	1 59
25	4 50	7 10	1 56	24 13	2 20	0 57	0 25	4 47	3 17

Days	☉	m.	♒	s.	☽	♍	☽ Lat. North.	♄	♈	♅	♉	♂	♓	☿	♑	♀	♒
1	12	28	8		24 30	2 39	19 5	3 12	9 11	14 2	22 45						
2	13	28	57		9♎ 8	1 28	19 10	3 19	19 57	14 3	24 32						
3	14	29	45		23 25	0 14	19 14	3 27	20 43	14 6	26 17						
4	15	30	32		7♏19	1S. 0	19 19	3 34	21 29	14 12	28 2						
5	16	31	18		20 51	2 8	19 23	3 41	22 15	14 21	29 47						
6	17	32	3		4♐ 4	3 8	19 28	3 49	23 1	14 32	1♓30						
7	18	32	46		17 1	3 56	19 33	3 57	23 47	14 45	3 12						
8	19	33	28		29 43	4 32	19 37	4 5	24 33	15 0	4 52						
9	20	34	9		12♑14	4 55	19 42	4 14	25 19	15 17	6 29						
10	21	34	48		24 34	5 3	19 48	4 22	26 4	15 36	8 3						
11	22	35	26		6♒46	4 57	19 53	4 31	26 50	15 57	9 32						
12	23	36	2		18 49	4 38	19 58	4 39	27 36	16 20	10 57						
B	24	36	37		0♓46	4 7	20 4	4 48	28 22	16 44	12 17						
14	25	37	10		12 38	3 25	20 9	4 57	29 8	17 10	13 32						
15	25	37	41		24 27	2 34	20 15	5 6	29 53	17 38	14 40						
16	27	38	11		6♈15	1 37	20 21	5 15	0♈39	18 7	15 41						
17	28	38	40		18 5	0 35	20 26	5 24	1 25	18 38	16 36						
18	29	39	7		0♉1	0N.28	20 32	5 34	2 11	19 11	17 23						
19	♓	39	32		12 8	1 32	20 38	5 43	2 56	19 45	18 0						
B	1	39	55		24 29	2 33	20 43	5 53	3 42	20 20	18 27						
21	2	40	17		7♊10	3 28	20 49	6 3	4 27	20 57	18 4						
22	3	40	37		20 15	4 14	20 55	6 13	5 15	21 35	18 54						
23	4	40	55		3♋49	4 47	21 1	6 23	5 58	22 14	18♓53						
24	5	41	11		17 52	5 5	21 8	6 33	6 44	22 54	18 42						
25	6	41	25		2♌24	5 4	21 14	6 43	7 29	23 35	18 21						
26	7	41	38		17 21	4 43	21 20	6 53	8 15	24 17	17 51						
B	8	41	50		2♍33	4 1	21 26	7 4	9 0	25 0	17 14						
28	9	41	59		17 51	3 2	21 33	7 14	9 46	25 45	16 30						

Days	Jupiter sets.	Mars sets.	Venus rises	Mercu. sets.	Dec. ♄ North.	Dec. ♅ North.	Dec. ♂ South.	Dec. ☿ South.	Dec. ♀ South.
1	0M12	8A 1	5M17	5A.28	5 16	11 37	4 57	15 46	15 26
7	11A49	8 3	4 57	6 7	5 28	11 54	3 3	16 3	11 4
13	11 3	8 6	4 45	6 39	5 41	12 13	1 10	16 32	6 32
19	11 14	8 9	4 36	6 52	5 54	12 32	0N43	16 37	2 56
25	10 56	8 11	4 30	6 33	6 9	12 54	2 35	16 43	1 36

March hath XXXI Days. White.

The LUNATIONS.

Laſt Quarter the 6th Day, 47 Minutes after 3 in the Afternoon.
New Moon the 14th Day, 52 Minutes paſt 4 in the Afternoon.
Firſt Quarter the 22d Day, 7 Minutes after 4 in the Afternoon.
Full Moon the 29th Day, 35 Minutes paſt 7 in the Morning.

M D	Sundays & other remarkable Days	Sun riſes.	Sun ſets.	Dec. ☉ South.	Dec. ☽ North.	Moon riſes	Moon South.	Clock bef. Su.
1	David A. B. Men.	6 34	5 27	7 34	0 28	7A.54	1M 2[illegible]	[illegible] 49
2	Chad B. of Lichf.	6 32	5 29	7 11	6S 36	9 24	1 54	12 37
3	Procyon S. 30 M.	6 30	5 31	6 48	13 8	10 53	2 45	12 24
4	aft. 8 at Night.	6 28	5 33	6 25	18 48	Morn.	3 37	12 11
5	Prs. of Heſſe bo.	6 26	5 35	6 2	23 18	0 21	4 31	11 57
B	3 Sunday in Lent	6 24	5 37	5 39	26 26	1 46	5 25	11 43
7	Perpetua Mart.	6 22	5 39	5 15	28 3	3 2	6 21	11 28
8	Regulus S. 49 M.	6 20	5 41	4 52	28 11	4 4	7 17	11 13
9	paſt 10 at Night	6 18	5 43	4 29	26 51	4 50	8 10	10 57
10	Hydra's HeartSo.	6 16	5 45	4 5	24 17	5 22	9 1	10 41
11	53M. aft. 9 Nig.	6 14	5 47	3 42	20 43	5 46	9 51	10 25
12	Gregory M. B. R.	6 12	5 49	3 18	16 18	6 2	10 35	10 9
B	Midlent Sunday	6 10	5 51	2 54	11 20	6 16	11 16	9 52
14		6 8	5 53	2 31	5 57	☽ ſets.	11 58	9 35
15	Regulus S. 14M.	6 6	5 55	2 7	0 23	6A 48	0A 3[illegible]	9 18
16	paſt 10 at Night	6 4	5 57	1 43	5N 15	7 58	1 14	9 0
17	St. Patrick	6 2	5 59	1 20	10 44	9 10	1 55	8 42
18	Equal Day and N.	6 0	6 1	0 56	15 53	10 25	2 38	8 24
19	Prs. Lou. Anne bo.	5 58	6 3	0 32	20 28	11 43	3 24	8 6
B	5 Sunday in Lent	5 56	6 5	0 9	24 15	Morn.	4 14	7 47
21	Benedict.	5 54	6 7	0N 15	26 [illegible]8	[illegible] 0	5 8	7 29
22		5 52	6 9	0 39	28 17	[illegible] 12	6 5	7 11
23	Deneb So. 26 M.	5 50	6 11	1 2	28 1	[illegible] 16	7 6	6 52
24	after 11 at Night	5 48	6 13	1 26	26 0	4 3	8 6	6 33
25	Lady Day	D. of York bo.		Camb. T. ends		4 36	9 4	6 15
26	Oxford Ter. Ends	5 44	6 17	2 13	17 8	5 1	10 0	5 56
B	Palm Sunday	5 43	6 18	2 37	10 52	5 19	10 54	5 37
28		5 41	6 20	3 0	3 51	5 34	11 46	5 18
29	Regulus S. 2[illegible] M.	5 39	6 22	3 23	3S 23	☽ riſes.	Morn.	5 0
30	paſt 9 at Night	5 37	6 24	3 47	10 22	8A28	0 38	4 41
31	Maundy Thurſd.	5 35	6 26	4 10	16 38	10 10	1 30	4 23

Days	Day increaſ.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ⊖	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn ſets.
1	3 9	10 53	25♈40	16♉58	0♉30	10♍42	10♎18	1♍36	9A.10
7	3 33	11 17	25 53	17 31	3 59	16 42	19 59	27 42	8 52
13	3 57	11 41	26 6	18 3	7 26	22 41	29 38	19♎31	8 34
19	4 21	12 5	26 19	18 35	10 51	28 39	9♏15	8♏31	8 16
25	4 45	12 29	26 31	19 8	14 14	4♎3[illegible]	8 50	25 51	7 59

Black Finch Kill'd y^e 13^th at M^r Expestake

March 1763.

Days	Daylig. begins.	Daylig ends.	Durat Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♃ South.	Lat. ♂ South.	Lat. ♀ North.	Lat. ☿ North.
1	4 43	7 17	1 55	23 59	2 19	0 57	0 22	4 18	3 41
7	4 30	7 30	1 56	23 42	2 18	0 55	0 17	3 35	3 17
13	4 17	7 43	1 57	23 31	2 17	0 54	0 13	2 52	2 0
19	4 4	7 56	1 58	23 22	2 17	0 53	0 9	2 11	0 32
25	3 50	8 10	2 0	23 17	2 16	0 52	0 5	1 32	0S 43

Days	☉ d.	☉ m.	♓ s.	☽	☊	☽ Lat. North.	♄	♈	♃	♉	♂	♈	♀	♍	☿	♓ R
1	10	42	6	3	4	1 50	21	39	7	25	10	31	26	31	15	40
2	11	42	11	18	1	0 32	21	45	7	36	11	16	27	17	14	45
3	12	42	15	2♍	36	0S.47	21	52	7	46	12	1	28	4	13	47
4	13	42	17	16	44	2 1	21	58	7	57	12	46	28	52	12	46
5	14	42	17	0♎	26	3 5	22	5	8	8	13	31	29	41	11	45
6	15	42	16	13	43	3 58	22	11	8	19	14	15	0♒	31	10	46
7	16	42	12	26	39	4 37	22	18	8	31	15	0	1	21	9	49
8	17	42	6	9♑	16	5 1	22	25	8	42	15	45	2	12	8	55
9	18	41	58	21	38	5 11	22	32	8	54	16	30	3	4	8	5
10	19	41	48	3♒	50	5 6	22	39	9	5	17	14	3	56	7	20
11	20	41	35	15	51	4 49	22	46	9	17	17	59	4	49	6	41
12	21	41	21	27	46	4 18	22	53	9	29	18	44	5	43	6	7
13	22	41	6	9♓	37	3 37	23	0	9	41	19	28	6	37	5	39
14	23	40	48	21	25	2 46	23	7	9	53	20	13	7	32	5	17
15	24	40	28	3♈	14	1 49	23	14	10	4	20	57	8	27	5	2
16	25	40	5	15	4	0 46	23	21	10	16	21	42	9	23	4	53
17	26	39	41	26	59	0N.20	23	28	10	28	22	26	10	20	4	52
18	27	39	15	9♉	1	1 25	23	36	10	40	23	11	11	17	4D.	56
19	28	38	47	21	14	2 27	23	43	10	53	23	55	12	14	5	5
B	29	38	17	3♊	40	3 24	23	50	11	5	24	39	13	12	5	20
21	♈	37	44	16	22	4 12	23	57	11	18	25	24	14	10	5	40
22	1	37	10	29	25	4 48	24	4	11	30	26	8	15	9	6	5
23	2	36	34	12♋	32	5 10	24	11	11	43	26	52	16	8	6	33
24	3	35	56	26	44	5 15	24	19	11	55	27	37	17	7	7	6
25	4	35	16	11♌	2	5 0	24	26	12	8	28	21	18	7	7	44
26	5	34	34	25	43	4 26	24	33	12	21	29	5	19	7	8	27
B	6	33	50	10♍	43	3 34	24	41	12	34	29	49	20	7	9	13
28	7	33	3	25	54	2 25	24	48	12	47	0♉	33	21	8	10	2
29	8	32	14	11♎	6	1 7	24	56	13	0	1	17	22	9	10	54
30	9	31	23	26	8	0S. 16	25	3	13	13	2	0	23	11	11	49
31	10	30	29	10♏	53	1 36	25	10	13	26	2	44	24	14	12	46

Days	Jupiter sets.	Mars sets.	Venus rises.	Mercu. sets.	Dec. ♄ North.	Dec. ♃ North.	Dec. ♂ North.	Dec. ☉ South.	Dec. ♀ South.
1	10 A 45	8 A. 1	4M 27	6 A. 4	6 19	13 8	3 50	16 40	2 16
7	10 28	8 19	4 23	rises	6 34	13 30	5 39	16 24	4 52
13	10 13	8 21	4 19	5M 29	6 49	13 53	7 26	15 53	7 35
19	9 59	8 26	4 16	5 13	7 5	14 17	9 9	15 4	9 10
25	9 44	8 30	4 12	5 5	7 22	14 41	10 49	13 59	9 21

The LUNATIONS.

Last Quarter the 5th Day, 7 Minutes after 6 in the Morning.
New Moon the 13th Day, 27 Minutes past 10 in the Morning.
First Quarter the 21st Day, 38 Minutes after 1 in the Morning.
Full Moon the 27th Day, 39 Minutes past 4 in the Afternoon.

M D	Sundays & other remarkable Day	Sun rises.	Sun sets.	Dec ☉ North.	Dec. ☽ South.	Moon rises.	Moon South.	Sat. Sun
1	Good Friday	5 33	6 28	4 33	21 48	11 A 30	2 M 6	4 4
2		5 31	6 30	4 56	25 37	Morn.	3 22	3 46
3	Easter Day	5 29	6 32	5 19	27 50	0 54	4 18	3 28
4	Easter Monday	5 27	6 34	5 42	28 24	2 3	5 16	3 9
5	Easter Tuesday	Old Lady Day		6 5	27 27	2 52	6 12	2 51
6	Deneb So. 35 M.	5 23	6 38	6 28	25 10	3 34	7 6	2 33
7	past 10 at Night	5 21	6 40	6 50	21 47	4 0	7 55	2 6
8	Arcturus Sou. at	5 19	6 42	7 13	17 33	4 19	8 41	1 59
9	1 in the Morning.	5 17	6 44	7 35	12 42	4 33	9 23	1 41
10	Low Sunday	5 15	6 46	7 57	7 24	4 44	10 3	1 24
11	Vir. Spi. S 52 M	5 13	6 48	8 20	1 50	4 54	10 42	1 7
12	after 11 at Night.	5 11	6 50	8 42	3 N 49	5 4	11 22	0 50
13	Oxford Term be.	5 10	6 51	9 3	9 23	Sets.	☾ A 3	☾ 34
14	Vindemiatrix So.	5 8	6 53	9 25	14 39	8 A 22	☾ 45	☾ 19
15	18 M. af. 11 at N.	5 6	6 55	9 47	19 28	9 39	1 30	0 4
16		5 4	6 57	10 8	23 29	10 58	2 20	Cal. 11
17	Pa Sun. aft. Easter	5 2	6 59	10 29	26 29	Morn.	3 11	0 26
18		5 0	7 1	10 50	28 9	0 13	4 7	0 40
19	Alphage A.B.C.	4 58	7 3	11 11	28 17	1 18	5 5	0 54
20	Term begins	4 56	7 5	11 32	26 45	2 8	6 5	1 8
21	Vir. Spi. S 16 M	4 54	7 7	11 52	23 37	2 46	7 3	1 22
22	past 11 at Night	4 52	7 9	12 12	19 3	3 12	7 57	1 35
23	St. George	4 51	7 10	12 32	13 19	3 30	8 50	1 48
24	2 Sun. aft. Easter	4 49	7 12	12 52	6 45	3 46	9 40	2 0
25	St. Mark	4 47	7 14	13 12	0 S 15	3 59	10 29	2 11
26	D. of Cumb. be	4 45	7 16	13 31	7 17	4 13	11 21	2 21
27		4 43	7 18	13 51	13 55	Rises.	Morn.	2 31
28	Arcturus S. 41 M.	4 41	7 20	14 10	19 41	9 A 3	0 14	2 40
29	after 11 at Night	4 40	7 21	14 28	24 11	10 33	1 11	2 49
30		4 38	7 23	14 47	27 7	11 53	2 9	2 58

Days	Day increas.	Length of Day.	Heliac. Place. ♄	Heliac. Place. ♃	Heliac. Place. ♂	Heliac. Place. ☉	Heliac. Place. ♀	Heliac. Place. ☿	Saturn sets.
1	5 11.	12 55	26 ♈ 46	19 ♉ 4	18 ♉ 8	11 ♎ 30	29 ♏ 59	15 ♐ 10	7 A 38
7	5 35	13 19	26 59	20 18	21 27	17 23	9 ♐ 32	1 ♑ 49	7 20
13	5 57	13 41	27 12	20 50	24 43	23 16	19 3	19 22	rises
19	6 21	14 5	27 25	21 22	27 57	29 7	28 33	8 ♒ 41	5M 9
25	6 43	14 27	27 37	21 55	1 ♊ 10	4 ♏ 58	8 ♑ 2	0 ♓ 5	4 48

April 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♅ South.	Lat. ♂ North.	Lat. ♀ North.	Lat. ☿ South.
1	3 33	8 27	2 3	23 13	2 15	0 51	0 0	0 49	1 48
7	3 17	8 43	2 8	23 12	2 15	0 50	0 4	0 16	2 22
13	3 2	8 58	2 11	23 12	2 15	0 50	0 8	0S. 14	2 36
19	2 47	9 13	2 15	23 12	2 15	0 49	0 12	0 40	2 31
25	2 26	9 34	2 25	23 11	2 15	0 49	0 15	1 3	2 8

Days	☉ d. m.	♈ f.	☽	☊	☽ Lat. South.	♄	♈	♅	♉	♂	☿	♀	☌	☿	♓
1	11 29	33	25	14	2 48	25	18	13	39	♓	28	♑	15	13	45
2	12 28	36	9♐	8	3 48	25	25	13	52	4	10	26	18	14	47
3	13 27	37	22	35	4 33	25	33	14	5	4	55	27	20	15	52
4	14 26	36	5♑	37	5 2	25	40	14	18	5	39	28	23	17	0
5	15 25	33	18	16	5 16	25	48	14	32	6	22	29	26	18	11
6	16 24	28	0♒	38	5 14	25	55	14	45	7	6	0♓	29	19	25
7	17 23	21	12	45	4 59	26	3	14	58	7	49	1	33	20	42
8	18 22	12	24	43	4 31	26	11	15	12	8	32	2	37	22	0
9	19 21	1	6♓	34	3 51	26	18	15	25	9	16	3	41	23	20
10	20 19	47	18	22	3 2	26	26	15	39	9	59	4	46	24	41
11	21 18	32	0♈	10	2 4	26	34	15	53	10	42	5	51	26	4
12	22 17	14	12	1	1 2	26	41	16	6	11	26	6	55	27	28
13	23 15	55	23	58	0N. 4	26	49	16	20	12	9	8	0	28	54
14	24 14	33	6♉	2	1 11	26	57	16	33	12	52	9	6	0♈	22
15	25 13	10	18	16	2 15	27	4	16	47	13	35	10	11	1	52
16	26 11	45	0♊	42	3 13	27	12	17	1	14	18	11	17	3	24
17	27 10	19	13	23	4 4	27	20	17	14	15	1	12	23	4	58
18	28 8	50	26	14	4 43	27	27	17	28	15	44	13	28	6	34
19	29 7	19	9♋	24	5 8	27	35	17	42	16	27	14	34	8	11
20	☌ 5	45	22	51	5 17	27	42	17	55	17	10	15	40	9	50
21	1 4	10	6♌	36	5 8	27	50	18	9	17	52	16	47	11	31
22	2 2	33	20	41	4 41	27	57	18	23	18	35	17	53	13	13
23	3 0	54	5♍	4	3 56	28	5	18	37	19	18	19	0	14	57
24	3 59	13	19	43	2 55	28	12	18	51	20	0	20	6	16	43
25	4 57	31	4♎	32	1 41	28	20	19	5	20	43	21	13	18	30
26	5 55	48	19	26	0 21	28	28	19	19	21	26	22	20	20	19
27	6 54	2	4♏	17	1S. 1	28	35	19	33	22	8	23	28	22	10
28	7 52	14	18	55	2 18	28	43	19	47	22	51	24	35	24	3
29	8 50	25	3♐	16	3 24	28	51	20	1	23	33	25	42	25	58
30	9 48	34	17	14	4 16	28	58	20	16	24	16	26	50	27	55

Days	Jupiter rises.	Mars sets.	Venus rises.	Mercu. rises.	Dec. ♄ North.	Dec. ♅ North.	Dec. ♂ North.	Dec. ♀ South.	Dec. ☿ South.
1	9A. 27	8A. 34	4M 7	4M 57	7 42	15 10	12 42	12 22	8 3
7	9 13	8 38	4 1	4 51	7 59	15 34	14 13	10 42	5 52
13	8 58	8 40	3 53	4 43	8 15	15 58	15 39	8 48	2 49
19	8 45	8 42	3 45	4 36	8 32	16 21	16 58	6 42	0N 57
25	8 30	8 45	3 37	4 29	8 48	16 44	18 12	4 27	5 18

May hath XXXI Days. White.

The Lunations.

Last Quarter the 4th Day, 1 Minute after 10 at Night.
New Moon the 13th Day, 34 Minutes past 1 in the Morning.
First Quarter the 20th Day, 5 Minutes after 8 in the Morning.
Full Moon the 27th Day, 4? Minutes past 1 in the Morning.

M. D.	Sundays & other remarkable Days.	Sun rises.	Sun sets.	Dec ☉ North.	Dec. ☽ South.	Moon rises.	Moon South.	Clock aft. Sun.
B	4 Sun. aft. Easter	St.Phil. &	Jam.	15 5	28 21	Morn.	3M 8	3 7
2		4 34	7 27	15 23	27 54	0 55	4 7	3 15
3	Inv. of the Cross	4 33	7 28	15 41	26 1	1 29	5 3	3 22
4	Virgin's Spike S.	4 31	7 30	15 58	22 53	2 9	5 5	3 29
5	27m. p. 10 at Nig.	4 30	7 31	16 16	18 51	2 30	6 42	3 35
6	S. John ante P. L.	4 28	7 33	16 33	14 6	2 46	7 2[illegible]	3 40
7		4 26	7 35	16 49	8 55	2 58	8 6	3 44
B	Rogation Sunday	4 25	7 36	17 6	3 24	3 9	8 47	3 4[illegible]
9	Vindemiatrix S. 44	4 23	7 38	17 22	2N. 15	3 17	9 2[illegible]	3 [illegible]
10	M. past 9 at Nig.	4 22	7 39	17 38	7 50	3 27	10 5	3 [illegible]
11		4 20	7 41	17 53	13 14	3 38	10 46	3 58
12	Holy Thursday	Old May	Day	18 9	8 11	3 53	11 31	4 1
13	Cor ♏ South 53	4 17	7 44	18 24	22 29	☽ sets.	0A 19	4 [illegible]
14	M. past Midnight	4 16	7 45	18 38	25 48	10A. 6	1 11	4 1
B	6 Sun. aft. Easter	4 14	7 47	18 53	27 49	11 15	2 6	4 2
16	Q. Charlotte bo.	Term	ends	19 7	28 19	Morn.	3 3	4 2
17	Arcturus S. 28m.	4 11	7 50	19 20	27 8	0 10	4 2	4 2
18	after 10 at Night.	4 10	7 51	19 34	24 22	0 50	5 0	4 1
19	Oxf. Term ends	4 8	7 53	19 47	[illegible]	1 18	5 55	3 59
20	Cor ♏ South 26	4 6	7 54	20 0	14 50	1 39	6 46	3 56
21	M. past Midnight	4 5	7 55	20 12	8 38	1 55	7 36	3 53
B	Whit-Sunday	4 3	7 57	20 24	1 57	2 8	8 24	3 50
23	Whit-Monday	4 2	7 58	20 36	4S. 53	2 22	9 12	3 46
24	Whit-Tuesday	Pr.Fr.Will.bo.		20 47	11 31	2 35	10 3	3 41
25	Ember Week	4 0	8 0	20 58	17 31	2 49	10 57	3 35
26	Augustine	3 59	8 1	21 9	22 29	3 8	11 54	3 29
27	Ven. Bede.	3 58	8 2	21 19	26 3	☽ rises.	Morn.	3 23
28		3 57	8 3	21 29	27 55	10A. 37	0 53	3 16
B	Trinity Sunday	K.Ch. II.	Rest.	21 38	28 11	11 31	1 53	3 9
30	Lyra S. 3m. past	3 55	8 5	21 47	26 46	Morn.	2 51	3 1
31	2 in the Morning	3 54	8 6	21 56	23 58	0 8	3 45	2 53

Days	Day increa.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ⊖	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn rises.
1	7 5	14 49	27♈50	22♉27	4♊20	10♏47	17♑31	27♓7	4M 27
7	7 25	15 9	28 3	22 59	7 28	16 35	27 0	28♈36	4 6
13	7 43	15 27	28 16	23 31	10 35	22 22	6♒29	4♊50	3 45
19	8 1	15 45	28 28	24 3	13 40	28 8	15 58	2♋26	3 23
25	8 16	16 0	28 41	24 36	16 43	3♐54	25 28	16♌42	3 0

May 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twili	Node ☽ in ♈	Lat. ♄ Sout.	Lat. ♃	Lat. ♅	Lat. ♂ South.	Lat. ♀ South.	Lat. ☿ South.
1	2 6	9 57	2 37	23 9	[illegible]	[illegible]	[illegible]	0 19	2 22	1 26
7	1 44	10 19	2 4	23 4	[illegible]	[illegible]	48	0 23	1 37	0 31
13	1 10	10 45	3	22 56	[illegible]	[illegible]	47	0 26	1 49	0N 32
19	0 48	11 20	3 32	22 45	[illegible]	16	46	0 29	1 57	1 28
25	NoNig.	NoNig.	NoNig.	22 32	[illegible]	16	0 45	0 32	2 1	2 2

Days	☉	☾ m.	☾ s.	☽	☽	☽ South.	☿	♀	♂	♃	♄	♅	♆	☊	☋
B	12	46	42	0 47	1	2	9	6	0 3	24	58	27	57	29	53
2	11	44	47	13 54	0	11	29	14	20 44	25	40	29	4	1	55
3	12	42	50	26 39	3	15	0	21	0 58	26	22	0	12	3	58
4	13	40	54	9 3	5	3	29	20	21 12	27	5	1	20	5	57
5	14	38	53	21 11	4	38	29	36	21 26	27	47	2	29	8	1
6	15	36	52	3 8	4	1	29	44	21 41	28	29	3	37	10	7
7	16	34	49	14 59	3	14	29	51	21 57	29	11	4	46	12	15
B	17	32	45	26 47	2	19	29	58	22 9	29	53	5	55	14	24
8	18	30	40	8 38	1	18	0	6	22 2	0	35	7	3	16	34
9	19	28	33	20 34	0	14	0	13	22 37	1	17	8	12	18	45
10	20	26	24	2 39	0N	53	0	20	22 51	1	59	9	21	20	56
11	21	24	14	14 55	1	57	0	28	23 1	2	40	10	29	23	6
12	22	22	2	27 25	2	5	0	35	23 22	3	22	11	38	25	16
13	23	19	49	10 10	3	5	0	42	23 36	4	4	12	47	27	26
B	24	17	35	23 3	3	31	0	50	23 48	4	45	13	56	29	35
14	25	15	19	6 21	4	59	0	57	24 2	5	27	15	4	1	44
15	26	13	1	19 47	5	11	1	4	24 16	6	8	16	13	3	52
16	27	10	42	3 26	5	6	1	12	24 31	6	50	17	22	6	1
17	28	8	21	17 16	4	43	1	19	24 45	7	31	18	32	3	9
18	29	5	59	1 15	4	3	1	26	24 59	8	12	19	41	20	15
19	♊	3	35	15 26	3	8	1	33	25 13	8	54	20	51	12	19
B	1	1	10	29 44	2	1	1	40	25 27	9	35	22	1	14	20
20	1	58	41	14 9	0	46	1	47	25 41	10	16	23	10	16	17
21	2	56	18	28 37	0S	33	1	54	25 55	10	58	24	20	18	10
22	3	53	52	13 4	1	49	2	1	26 9	11	39	25	30	20	2
23	4	51	24	27 23	2	57	2	8	26 23	12	20	26	40	21	48
24	5	48	54	11 29	3	53	2	15	26 37	13	1	27	50	23	34
25	6	46	23	25 18	4	35	2	21	26 51	13	42	28	58	25	18
B	7	43	51	8 47	4	59	2	28	27 6	14	23	0	8	27	0
26	8	41	18	21 54	5	8	2	35	27 20	15	4	1	19	28	40
27	9	38	44	4 39	5	0	2	41	27 34	15	45	2	29	0	17

Days	Jupiter sets.	Mars sets.	Venus rises	Mercu. rises.	Dec. ♄ North.	Dec. ♃ North.	Dec. ♂ North.	Dec. ♀ South.	Dec. ♀ North.
1	8A. 16	8A 47	3M 27	4M 23	9 4	17 8	19 21	2 4	10 7
7	8 0	8 48	3 17	4 18	9 20	17 20	23 0N	25 15	6
13	Rises.	8 48	3 7	Sets.	9 35	17 53	21 17	2 57	19 38
19	4M 2	8 47	2 56	9A. 0	9 50	18 15	22 4	5 29	23 9
25	3 44	8 41	2 45	9 41	10 5	18 35	22 44	8 0	25 8

June hath XXX Days. White.

The LUNATIONS.

Laſt Quarter the 3d Day, 58 Minutes paſt 2 iu the Afternoon.
New Moon the 11th Day, 47 Minutes paſt 1 in the Afternoon.
Firſt Quarter the 18th Day, 47 Minutes paſt Noon.
Full Moon the 25th Day, 20 Minutes after 11 in the Morning.

M D	Sundays & other remarkable Days.	Sun riſes.		Sun ſets.		Dec. ☉ North.		Dec. ☽ South.		Moon riſes.		Moon South.		Clock aft. Sun.	
1	Oxf. Term begins	3	53	8	7	22	5	20	10	0M	32	4M	34	2	45
2	Corpus Chriſti	3	52	8	8	22	13	15	35	0	50	5	19	2	36
3	Term begins	3	51	8	9	22	20	10	29	1	4	6	2	2	27
4	K. George III. born	3	50	8	10	22	28	5	2	1	15	6	42	2	27
B	1 S. after Trinity	3	50	8	10	22	34	0N.	33	1	24	7	20	2	7
6		3	49	8	11	22	41	6	10	1	32	7	59	1	57
7	Cor ♏ So. 13 M.	3	48	8	12	22	47	11	38	1	43	8	40	1	46
8	after 11 at Night.	3	48	8	12	22	53	16	44	1	55	9	23	1	[illegible]
9		3	47	8	13	22	58	21	16	2	10	10	8	1	[illegible]
10	Prs. Amelia born	3	47	8	13	23	3	24	53	2	32	10	59	1	[illegible]
11	St. Barnabas	3	46	8	14	23	7	27	19	☽	ſets.	11	54	1	1
B	2 S. after Trinity	3	46	8	14	23	11	28	15	10A	1	0A.	51	0	49
13		3	46	8	14	23	15	27	30	10	48	1	52	0	37
14	Lyra So. 57 Min.	3	45	8	15	23	18	25	3	11	19	2	51	0	25
15	after Midnight	3	45	8	15	23	21	21	4	11	41	3	47	0	13
16		3	44	8	16	23	23	15	55	11	58	4	40	obef.	0
17	St. Alban Martyr	3	44	8	16	23	25	9	53	Morn.		5	28	0	12
18		3	43	8	17	23	27	3	22	0	12	6	16	0	25
B	3 S. after Tr.	3	43	8	17	23	28	3S.	21	0	24	7	4	0	38
20		3	43	8	17	23	29	9	54	0	37	7	51	0	51
21	Longest Day	3	43	8	17	23	29	15	55	0	49	8	43	1	4
22	Term ends	3	43	8	17	23	29	21	5	1	6	9	37	1	17
23		3	43	8	17	23	28	25	1	1	30	10	33	1	30
24	St. John Baptiſt	3	43	8	17	23	27	27	29	2	1	11	31	1	43
25		3	44	8	16	23	26	28	15	☽ riſes.		Morn.		1	55
B	4 S. after Trinity	3	44	8	16	23	24	27	20	9A.	59	0	32	2	8
27	Atair So. 17 M.	3	44	8	16	23	22	25	0	10	28	1	27	2	21
28	paſt 1 in the Mor.	3	45	8	15	23	20	21	27	10	48	2	19	2	34
29	St. Peter & Paul	3	45	8	15	23	17	17	4	11	3	3	6	2	46
30		3	46	8	14	23	13	12	3	11	15	3	50	2	58

Days	Day increaſ.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ⊖	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn riſes.
1	8 30	16 14	28♈56	25♉13	20♊14	10♐36	6♓31	9♍41	2M33
7	8 40	16 24	29 9	25 45	23 13	16 20	16 4	12♎44	2 9
13	8 44	16 28	29 22	26 17	26 11	22 4	25 36	2♏31	1 46
19	8 60	16 34	29 35	26 49	29 7	27 48	5♈ 9	20 17	1 22
25	od:cr.2	16 32	29 47	27 22	2♋ 1	3♑31	14 43	7♐ 1	0 59

Sent out
M^ting

Old Cow bull'd at y^e Peaches & Heifer at
M^r Tunnell's y^e 29^th

June 1763.

Day.	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♅ South.	Lat. ♃ North	Lat. ♀ South.	Lat. ♀ North.
1				22 10	2 37	0 47	0 36	2 1	2 8
7	All Day Light.	All Day Light.	All Day Light.	21 46	2 18	0 45	0 39	1 59	1 43
13				21 20	2 19	0 45	0 42	1 53	0 52
19				20 50	2 20	0 45	0 45	1 44	0S 22
25				20 17	2 21	0 44	0 47	1 34	1 52

Days	☉ d.	☉ h.	☉ m.	☽	☽ Lat. South.	♄	♂	♅	♂	♂	☊	♀	♀	♎
1	10	36	10	17 4	4 30	2 48	27 48	16 26	3 59	1 52				
2	11	33	34	29 14	4 51	2 54	28 2	17 7	4 49	3 24				
3	12	30	57	11♓11	3 21	3 1	28 16	17 48	5 59	4 53				
4	13	28	19	23 2	2 28	3 7	28 30	18 29	7 10	6 18				
5	14	25	41	4♈51	1 10	3 13	28 44	19 10	8 20	7 30				
6	15	23	2	16 43	0 27	3 20	28 57	19 50	9 31	8 55				
7	16	20	23	28 44	0N. 37	3 26	29 11	20 31	10 41	10 10				
8	17	17	43	10♉57	1 41	3 32	29 25	21 12	11 52	11 21				
9	18	15	2	23 23	2 41	3 39	29 38	21 52	13 3	12 29				
10	19	12	20	5♊11	3 34	3 45	29 52	22 33	14 1	13 35				
11	20	9	37	19 15	4 17	3 51	0♊ 6	23 13	15 24	14 38				
12	21	6	53	2♋17	4 48	3 57	0 19	23 54	16 32	15 38				
13	22	4	9	16 15	5 2	4 3	0 33	24 31	17 45	16 35				
14	23	1	22	0♌ 8	5 0	4 9	0 47	25 14	18 56	17 28				
15	23	58	39	14 5	4 39	4 15	0 0	25 55	20 7	18 18				
16	24	55	54	28 9	4 2	4 21	1 14	26 35	21 18	19 4				
17	25	53	8	12♍16	3 10	4 27	1 27	27 13	22 29	19 45				
18	26	50	21	26 24	2 6	4 32	1 41	27 56	23 40	20 21				
19	27	47	34	10♎32	0 54	4 38	1 54	28 36	24 51	20 51				
20	28	44	46	24 39	0S. 21	4 43	2 7	29 16	26 2	21 17				
21	29	41	58	8♏43	1 34	4 49	2 21	29 56	27 13	21 40				
22	♋	39	10	22 44	2 41	4 54	2 34	0♋ 36	28 25	21 59				
23	1	36	21	6♐37	3 38	4 59	2 47	1 16	29 36	22 15				
24	2	33	33	20 21	4 21	5 5	3 0	1 56	0♊47	22 28				
25	3	30	44	3♑51	4 49	5 10	3 13	2 36	1 58	22 36				
B	4	27	56	17 5	5 0	5 15	3 26	3 16	3 9	22 38				
27	5	25	7	0♒ 2	4 56	5 20	3 39	3 56	4 21	22 ℞ 34				
28	6	22	18	12 40	4 37	5 25	3 52	4 36	5 32	22 27				
29	7	19	29	25 2	4 6	5 30	4 5	5 16	6 44	22 14				
30	8	16	40	7♓ 9	3 24	5 35	4 18	5 58	7 55	21 59				

Days	Jupiter rises.	Mars sets.	Venus rises.	Mercu. sets.	Dec. ♄ North	Dec. ♅ North.	Dec. ♂ North.	Dec. ♀ North.	Dec. ♀ North.
1	3M20	8A42,	2M32	10A. 7	10 20	9 58	23 23	10 52	25 36
7	2 59	8 38,	2 22	10 12	10 32	9 17	23 48	13 10	24 40
13	2 39	8 33	2 12	10 4	10 44	9 3	24 4	15 21	23 18
19	2 17	rises.	2 4	9 42	10 53	9 5	4 14	17 20	21 30
25	1 58	3M33	1 58	9 1	11 3	20 7	24 13	19 4	19 45

Heifer bulls again July 19th at D°.

Heifer bulls again August 9th at D°.

July hath XXXI Days. White.

The Lunations.

Laſt Quarter the 3d Day, 25 Minutes paſt 8 in the Morning.
New Moon the 10th Day, 27 Minutes after 11 at Night.
Firſt Quarter the 17th Day, 18 Minutes paſt 5 in the Afternoon.
Full Moon the 24th Day, 41 Minutes after 10 at Night.

M D	Sundays & other remarkable Days.	Sun riſes.	Sun ſets.	Dec. ☉ North.	Dec. ☽ South.	Moon riſes	Moon South	Clock Su.
1		3 46	8 14	23 10	6 39	11A2	4M31	3 10
2	Viſit. B. V. Mary	3 46	8 14	23 5	1 6	11 34	5 10	3 21
3	5 Sun aft. Trinity	3 47	8 13	23 1	4N30	11 43	5 49	3 32
4		3 48	8 12	22 56	9 58	11 56	6 29	3 42
5	Camb. Commen.	Old Midſ. Day		22 51	15 11	Morn.	7 11	3 52
6		3 49	8 11	22 45	19 52	0 10	7 56	4 2
7	Thomas a Becket	3 50	8 10	22 39	23 48	0 28	8 43	4 12
8	Camb. Term ends	3 50	8 10	22 32	26 41	0 52	9 37	4 21
9		3 51	8 9	22 25	28 8	1 30	10 33	4 30
10	6 Sun aft. Trinity	3 52	8 8	22 18	27 55	2 26	11 33	4 40
11	Oxford Act begins	3 53	8 7	22 10	25 55	☽ ſets.	0A 34	4 49
12		3 54	8 6	22 2	22 17	9A 39	1 32	4 57
13	Atair So. 7 Minu.	3 55	8 5	21 53	17 17	9 53	2 28	5 5
14	paſt Midnight	3 56	8 4	21 45	11 15	10 14	3 20	5 12
15	Swithin, B. Win.	3 57	8 3	21 35	4 42	10 27	4 9	5 19
16	Oxford Term ends	3 58	8 2	21 21	2 S. 5	10 39	4 56	5 25
17	7 Sun. aft. Trinity	3 59	8 1	21 16	8 42	10 52	5 45	5 30
18	Lyra S. 38 Min	4 0	8 0	21 5	14 48	11 8	6 34	5 36
19	after 10 at Night	4 1	7 59	20 55	20 7	11 30	7 26	5 41
20	Margaret	4 3	7 57	20 44	24 18	11 57	8 22	5 45
21		4 4	7 56	20 32	27 4	Morn.	9 20	5 49
22	Prs. Car. Mat. bo.	St. Mary Mag.		20 21	28 15	0 37	10 18	5 52
23		4 7	7 53	20 9	27 49	1 33	11 14	5 54
24	8 Sun. aft. Trinity	4 8	7 52	19 56	25 51	2 40	Morn.	5 56
25	St. James	4 10	7 50	19 43	22 38	☽ riſes.	0 7	5 57
26	S. Anne, MBVM.	4 11	7 49	19 30	18 27	9A 6	0 57	5 57
27	Atair S. 11 Min.	4 13	7 47	19 17	13 34	9 19	1 42	5 57
28	paſt 11 at Night	4 14	7 46	19 3	8 15	9 30	2 25	5 57
29		4 15	7 45	18 49	2 42	9 39	3 4	5 56
30	Dog-Days begin	4 17	7 43	18 35	2N 55	9 49	3 44	5 54
31	9 Sun. aft. Trinity	4 18	7 42	18 20	8 27	9 59	4 23	5 51

Days	Day decreaſ.	Length of Day.	Helioc. Place. ♄	Helioc. Place. ♃	Helioc. Place. ♂	Helioc. Place ☉	Helioc. Place. ♀	Helioc. Place. ☿	Saturn riſes.
1	0 6	16 28	0♉ 0	27♉54	4♍54	9♈14	24♈18	23♐31	0M35
7	0 14	16 20	0 13	28 26	7 46	14 57	3♉54	10♑31	0 12
13	0 24	16 10	0 26	28 58	10 36	20 40	13 30	28 51	11A.45
19	0 36	15 58	0 39	29 30	13 25	26 24	23 7	19♒27	11 22
25	0 54	15 40	0 52	0♊ 2	16 12	2♒ 7	2♊46	13♓31	10 58

July 1763.

Dys.	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♅ South.	Lat. ♂ North.	Lat. ♀ South.	Lat. ☿ South.
1	All Day Light.	All Day Light.	All Day Light.	19 41	2 22	0 44	0 49	1 21	3 25
7				19 5	2 23	0 44	0 52	1 7	4 33
13				18 27	2 25	0 44	0 54	0 52	4 53
19				17 49	2 26	0 44	0 56	0 36	4 14
25	0 48	11 7	3 20	17 14	2 28	0 44	0 58	0 20	2 57

Dys.	☉	☽	☽ Lat. South.	♄	♅	♃	♂	♀	☿	☿ ℞
1	9 13 51	19 6	2 33	5 40	4 31	6 35	9 7	21 39		
2	10 11 1	♈56	1 36	5 45	4 41	7 15	10 19	21 15		
8	11 8 12	12 44	0 35	5 49	4 56	7 55	11 30	20 47		
4	12 5 23	24 37	0N 27	5 54	5 9	8 34	12 42	20 16		
5	13 2 34	♉40	1 30	5 58	5 21	9 14	13 54	19 42		
6	13 59 45	18 56	1 29	6 3	5 34	9 54	15 6	19 6		
7	14 56 56	♊32	3 22	6 7	5 46	10 33	16 18	18 28		
8	15 54 7	14 29	4 7	6 11	5 58	1 13	17 30	17 50		
9	16 51 19	27 49	4 40	6 15	6 11	11 52	18 42	17 11		
8	17 48 32	♋32	4 57	6 19	6 23	12 32	19 54	16 32		
11	18 45 45	25 34	4 57	6 2	6 35	13 1	21 6	15 54		
12	19 42 58	♌50	4 39	6 27	6 47	13 51	22 18	15 18		
13	20 40 11	24 13	4 3	6 31	6 59	14 30	23 30	14 45		
14	21 37 25	♍42	3 11	6 35	7 11	15 10	24 42	14 15		
15	22 34 39	23 6	2 8	6 38	7 23	15 49	25 54	13 48		
16	23 31 54	♎24	0 59	6 42	7 35	16 28	27 6	13 25		
8	24 29 9	21 33	0S. 18	6 45	7 47	17 8	28 19	13 6		
18	25 26 24	♏32	1 31	6 49	7 58	17 47	29 31	12 51		
19	26 23 40	19 22	2 37	6 52	8 10	18 26	♌43	12 42		
20	27 20 56	♐2	3 34	6 55	8 21	19 5	1 55	12 39		
21	28 18 13	16 33	4 17	6 58	8 33	19 44	3 8	12D 42		
22	29 15 31	29 52	4 46	7 1	8 44	20 23	4 20	12 50		
23	♌ 12 50	♑0	4 59	7 4	8 55	21 2	5 33	13 5		
8	1 10 9	25 54	4 57	7 6	9 5	21 41	6 45	13 25		
25	2 7 29	♒34	4 40	7 9	9 17	22 20	7 58	13 51		
26	3 4 50	21 1	4 10	7 11	9 28	22 59	9 11	14 23		
27	4 2 12	♓14	3 29	7 14	9 38	23 38	10 23	15 2		
28	4 59 35	15 16	2 38	7 16	9 49	24 17	11 36	15 47		
29	5 56 58	27 8	1 42	7 19	10 0	24 56	12 49	16 38		
30	6 54 22	♈57	0 41	7 21	10 10	25 35	14 1	17 35		
8	7 51 48	20 44	0N 21	7 23	10 21	26 14	15 14	18 37		

Dys.	Jupiter rises.	Mars rises.	Venus rises.	Mercu. sets.	Dec. ♄ North.	Dec. ♅ North.	Dec. ♂ North.	Dec. ♀ North.	Dec. ☿ North.
1	1M35	3M26	1M53	8A. 33	11 12 20	22 24	8	20 31	18 21
7	1 14	3 20	1 51	rises.	11 20 20	36 23	55	21 41	17 42
13	0 53	3 15	1 51	3M54	11 26 20	48 23	35	22 27	17 49
19	0 32	3 11	1 55	3 16	11 32 21	0 23	8	22 53	18 40
25	0 13	3 8	2 2	2 49	11 35 21	10 22	35	22 55	19 50

The Lunations.

Last Quarter the 2d Day, 23 Minutes past 1 in the Morning.
New Moon the 9th Day, 54 Minutes after 7 in the Morning.
First Quarter the 15th Day, 14 Minutes past 11 at Night.
Full Moon the 23d Day, 24 Minutes past Noon.
Last Quarter the 31st Day, 10 Minutes after 5 in the Afternoon.

M D	Sundays & other remarkable Days	Sun rises.	Sun sets.	Dec. ☉ North.	Dec. ☽ North.	Moon rises.	Moon South.	Clock bef. Sun
1	Lammas Day	4 20	7 40	18 5	13 42	10 A 11	5 M 3	5 40
2		4 21	7 39	17 50	18 3	10 27	5 46	5 44
3	Lyra So. 35 Min.	4 23	7 37	17 34	22 41	10 48	6 31	5 40
4	past 9 at Night	4 24	7 36	17 19	25 54	11 20	7 22	5 35
5		4 25	7 34	17 3	27 53	Morn.	8 17	5 30
6	Transfiguration	4 27	7 32	16 46	28 19	0 6	9 15	5 24
7	10 S. aft. Trinity	4 28	7 31	16 30	27 0	1 11	10 16	5 18
8	Atair S. 25 Min.	4 30	7 29	16 13	23 54	2 32	11 17	5 11
9	after 10 at Night	4 31	7 28	15 55	19 15	☽ sets.	0 A. 16	5 3
10	St. Laurence Mar.	4 33	7 26	15 38	13 23	8 A 19	1 10	4 55
11	Pr. Augusta bo.	4 35	7 24	15 20	6 43	8 33	2 2	4 46
12	Pr. Wales born	4 36	7 23	15 2	0 S. 17	8 46	2 52	4 36
13		4 38	7 21	14 44	7 11	8 59	3 41	4 26
14	11 S. aft. Trinity	4 40	7 19	14 26	13 37	9 14	4 31	4 16
15	Assum. B. V. Mary	4 42	7 17	14 7	19 12	9 34	5 25	4 5
16	Fomalh. So. 4 M.	4 44	7 15	13 48	23 41	10 0	6 19	3 54
17	past 1 in the Mor.	4 45	7 14	13 29	26 46	10 37	7 17	3 42
18		4 47	7 12	13 10	28 18	11 27	8 15	3 30
19	Markab. So. 57	4 49	7 10	12 50	28 12	Morn.	9 11	3 17
20	M. past Midnight	4 51	7 8	12 31	26 34	0 32	10 6	3 3
21	12 S. aft. Trin.	4 53	7 6	12 11	23 40	1 46	10 56	2 49
22		4 54	7 5	11 51	19 43	3 3	11 43	2 34
23		4 56	7 3	11 30	14 58	☽ rises.	Morn.	2 19
24	St. Bartholomew	4 58	7 1	11 10	9 45	7 A 42	0 26	2 3
25		5 0	6 59	10 49	4 13	7 51	1 7	1 47
26	Atair So. 18 M.	5 2	6 57	10 28	1 N 26	8 1	1 46	1 31
27	after 9 at Night	5 4	6 55	10 7	7 0	8 11	2 25	1 14
28	13 S. aft. Trinity	St. Aug. B. Hip.		9 46	12 22	8 22	3 5	0 57
29	Decol. St. J. Bapt.	5 8	6 51	9 25	17 18	8 37	3 46	0 40
30		5 10	6 49	9 3	21 40	8 56	4 31	0 22
31		5 12	6 47	8 42	25 8	9 22	5 18	0 4

Days	Day decreas.	Length of Day.	Helioc. Plac. ☿	Helioc. Plac. ♀	Helioc. Plac. ♂	Helioc. Plac. ♃	Helioc. Plac. ♄	Helioc. Plac. ♅	Saturn rises.
1	1 14	15 20	1 ♉ 7	0 ♊ 39	19 ♎ 27	8 ♐ 49	14 ♊ 3	17 ♈ 40	10 A. 31
7	1 31	15 3	1 19	1 11	22 12	14 34	23 44	22 ♉ 34	10 8
13	1 51	14 43	1 32	1 43	24 56	20 20	3 ♎ 26	0 ♋ 15	9 46
19	2 13	14 21	1 45	2 1	27 39	26 6	13 [illegible]	6 ♌ 2	9 24
25	2 35	13 59	1 58	2 46	0 ♍ [illegible]	1 ♑ 54	22 5[illegible]	6 ♍ 36	9 2

Lord out

Days.	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ☿ South.	Lat. ♀ South.	Lat. ♂ North.	Lat. ♀ South.	Lat. ☿ South.
1	1 23	10 34	2 58	16 34	2 29	0 44	1 1	0 1	1 9
7	1 47	10 13	2 46	16 4	2 31	0 45	1 3	0N 1	0N 14
13	2 9	9 51	2 34	15 31	2 32	0 45	1 4	0 30	1 14
19	2 29	9. 31	2 25	15 13	2 34	0 45	1 6	0 43	1 43
25	2 47	9 13	2 18	14 54	2 35	0 45	1 8	0 56	1 43

Days.	☉ ☽ m.	☽	☽ Lat. North.	♄	♅	♆	♂	♇	♀	♎	♃	♌
1	●8 49 14	2 36	1 24	7 25	10 21	26 53	16 27	19 44				
2	9 46 40	14 38	2 23	7 27	10 41	27 32	17 40	20 57				
3	10 44 ●8	26 54	3 17	7 29	10 52	28 11	18 53	22 15				
4	11 41 37	9♊31	4 2	7 30	11 2	28 50	20 6	23 39				
5	12 39 7	22 31	4 37	7 32	11 12	29 28	21 19	25 8				
6	13 36 38	5♋58	4 58	7 33	11 22	0♌ 7	22 32	26 42				
7	14 34 11	19 52	5 3	7 35	11 31	0 46	23 45	28 20				
8	15 31 45	4♌10	4 48	7 36	11 41	1 25	24 58	0♌ 2				
9	16 29 20	18 47	4 15	7 37	11 51	2 3	26 12	1 47				
10	17 26 57	3♍35	3 25	7 38	12 0	2 42	27 25	3 35				
11	18 24 35	18 27	2 20	7 39	12 9	3 20	28 58	5 26				
12	19 22 14	3♎14	1 6	7 40	12 18	3 59	29 52	7 20				
13	20 19 54	17 49	0S. 12	7 41	12 27	4 37	1♍ 5	9 16				
14	21 17 35	2♏10	1 28	7 41	12 36	5 16	2 18	11 14				
15	22 15 18	16 13	2 36	7 42	12 44	5 54	3 32	13 13				
16	23 13 2	0♐ 0	3 35	7 42	12 53	6 33	4 45	15 13				
17	24 10 47	13 30	4 20	7 43	13 1	7 1	5 59	17 13				
18	25 8 34	26 46	4 51	7 43	13 10	7 50	7 12	9 14				
19	26 6 22	9♑47	5 5	7 43	13 18	8 28	8 27	21 15				
20	27 4 11	22 35	5 4	7 ℞43	13 26	9 6	9 40	23 16				
B	28 2 2	5♒10	4 49	7 43	13 34	9 44	10 53	25 16				
22	28 59 55	17 34	4 20	7 43	13 42	10 23	12 7	27 15				
23	29 57 49	29 46	3 39	7 43	13 49	11 1	13 21	29 13				
24	1♍ 55 45	11♓48	2 49	7 42	13 57	11 39	14 35	1♎11				
25	1 53 43	23 43	1 52	7 42	14 4	12 17	15 49	3 8				
26	2 51 42	5♈31	0 50	7 41	14 11	12 55	17 3	5 4				
27	3 49 43	17 18	0N 13	7 41	14 19	13 34	18 17	6 59				
B	4 47 46	29 5	1 17	7 40	14 26	14 12	19 31	8 52				
29	5 45 50	10♉56	2 17	7 39	14 32	14 50	20 45	10 44				
30	6 43 55	22 57	3 13	7 38	14 39	15 28	21 59	12 35				
31	7 42 2	5♊12	4 0	7 37	14 45	16 7	23 13	14 25				

Days.	Jupiter rises.	Mars rises.	Venus rises.	Mercu. rises.	Decr ☽ North.	Dec. ♅ North.	Dec. ♂ North.	Dec. ♀ North	Dec. ♀ North.
1	11A 46	3M 5	2M14	2M28	11 40	21 21	21 48	22 28	20 54
7	11 27	3 3	2 28	2 52	11 41	21 28	21 2	21 38	20 46
13	11 7	3 2	2 44	3 24	11 42	21 36	20 11	20 26	19 9
19	10 47	3 2	3 2	sets.	11 41	21 42	19 14	18 52	16 5
25	10 28	3 1	3 21	7A.14	11 39	21 48	18 14	17 0	11 58

September hath XXX. Days. White.

The LUNATIONS.

New Moon, the 7th Day, 7 Minutes past 4 in the Afternoon
First Quarter the 14th Day, 40 Minutes after 7 in the Morning
Full Moon, the 22d Day, 18 Minutes past 4 in the Morning.
Last Quarter the 30th Day, 5 Minutes after 7 in the Morning.

M D	Sundays & other remarkable Days.	Sun rises.	Sun sets.	Dec. ☉ North.	Dec. ☽ North.	Moon rises.	Moon Sou.	Clock
1	Giles Abbot & C.	5 14	6 46	8 20	27 32	10 A	6 M	0 15
2	Lond. burnt 1666	5 1	6 44	8 58	8 31	10 56	0 6	0 34
3		5 17	6 42	9 36	27 53	Morn.	8	0 53
B	14 S. aft. Trinity	5 19	6 40	7 14	25 33	0 9	9 0	1 12
5	Fomalhaut So. 47	5 21	6 38	6 52	31 32	1 36	10 1	1 31
6	M. past 11 at N.	5 23	6 36	6 29	16 7	3 9	11 2	1 50
7	Dog-Days end	5 25	6 34	6 7	9 36	Sets.	11 56	2 10
8	Nativ. B. V. M.	5 27	6 32	5 44	2 30	7 A 0	0 A 47	2 30
9		5 29	6 30	5 22	4 S 43	7 13	1 39	2 50
10		5 31	6 28	4 59	11 36	7 28	2 31	3 10
L	15 S. aft. Trinity	5 33	6 26	4 36	17 46	7 [illegible]	3 [illegible]	3 31
12	Pole ✳ S. 24 Min.	5 35	6 24	4 1	22 41	8 10	4 [illegible]	3 52
13	aft. 1 in the Morn.	5 37	6 22	3 50	26 7	8 42	5 18	4 13
14	Holy-cross Day	5 39	6 20	3 27	28 14	9 29	6 17	4 34
15	Fomalhaut So. 11	5 41	6 18	3 4	28 31	10 31	7 15	4 55
16	M. past 11 at N.	5 43	6 16	2 41	27 12	11 43	8 1	5 16
17	Lambert B. & M.	5 45	6 14	2 17	24 33	Morn.	9 2	5 37
B	16 S. aft. Trinity	5 47	6 12	1 54	20 49	1 1	9 49	5 58
19	Matthew S. 5 M.	5 49	6 10	1 31	16 16	2 16	10 31	6 19
20	after 11 at Night	5 51	6 8	1 7	11 7	3 32	11 14	6 40
21	St. Matthew	Ember Week.		0 44	5 39	4 44	11 58	7 0
22	K. Geo. III. cro.	5 55	6 4	0 21	0 N. 0	Rises	Morn.	7 21
23		5 57	6 2	0 S. 3	5 37	6A 28	0 34	7 41
24	Equal D. & Night	5 59	6 0	0 26	11 5	6 39	1 13	8 1
B	17 S. aft. Trinity	6 1	5 58	0 50	16 10	6 54	1 58	8 21
26	S. Cyprian B. & M.	6 3	5 56	1 13	20 41	7 9	2 37	8 42
27	Pole ✳ S. 27 Min.	6 5	5 54	1 37	24 2	7 32	3 23	9 2
28	past Midnight	6 7	5 52	2 0	27 4	8 6	4 14	9 22
29	St. Michael	6 9	5 50	2 24	28 28	8 53	5 7	9 41
30	St. Jerome	6 11	5 48	2 47	28 24	9 57	6 3	10 1

Days	Day decreas.	Length of Day.	Heliac. Place ☽	Heliac. Place ♈	Heliac. Place ♂	Heliac. Place ♎	Heliac. Place ♀	Heliac Place ♀	Saturn rises.
1	3 3	13 31	2 ♉ 31	3 ♊ 13	3 ♌ 24	8 ♓ 0	4 ♌ 16	♎ 36	8 A 37
7	3 25	13 9	2 26	3 26	6 55	14 30	14 1	26 18	8 15
13	3 49	12 45	2 59	4 39	8 27	20 20	23 46	♏ 37	7 53
19	4 13	12 21	2 52	4 52	11 59	26 12	♍ 31	♐ 3	7 31
25	4 37	11 57	3 5	5 5	14 31	2 ♈ 5	13 16	8 5	7 10

September 1763.

Days	Dayl.g. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South	Lat. ♃ South.	Lat. ♂ North.	Lat. ♀ North.	Lat. ☿ North.
1	3 7	8 53	2 11	14 35	2 37	0 45	1 10	1 8	1 19
7	3 24	8 36	2 6	14 24	2 38	0 46	1 12	1 16	0 44
13	3 37	8 23	2 4	14 16	2 40	0 46	1 13	1 21	0 3
19	3 52	8 8	2 1	14 10	2 41	0 46	1 14	1 25	0S. 42
25	4 5	7 55	2 0	14 8	2 42	0 46	1 15	1 26	1 27

Days	☉ ♍ d. m. s.	☽ ♊	☽ Lat. North.	♄ ♉ ℞	♃ ♊	♂ ♌	♀ ♌	☿ ♍
1	8 40 11	17 46	4 38	7 35	14 52	16 45	24 27	16 13
2	9 38 22	0♋43	5 2	7 34	14 58	17 23	25 41	18 2
3	10 36 35	14 7	5 11	7 33	15 4	18 1	26 55	19 49
B	11 34 50	27 59	5 3	7 31	15 10	18 39	28 9	21 54
5	12 33 6	12♌2[illegible]	4 36	7 29	15 16	19 17	29 23	23 18
6	13 31 23	27 4	3 50	7 28	15 21	19 55	0♍38	25 0
7	14 29 43	12♍5	2 47	7 26	15 27	20 33	1 52	26 41
8	15 28 5	27 14	1 [illegible]2	7 24	15 32	21 11	3 6	28 21
9	16 26 29	12♎21	0 [illegible]	7 22	15 37	21 49	4 21	0♎0
10	17 24 55	27 17	1S. 10	7 20	15 42	22 27	5 35	1 38
B	18 23 23	11♏56	2 26	7 18	15 46	23 5	6 50	3 15
12	19 21 52	25 13	3 30	7 15	15 51	23 42	8 4	4 52
13	20 20 2[illegible]	10♐6	4 20	7 13	15 55	24 20	9 19	6 28
14	21 18 [illegible]	23 37	4 54	7 10	15 59	24 58	10 33	8 3
15	22 17 3[illegible]	6♑7	5 12	7 8	16 3	25 36	11 48	9 37
16	23 16 7	19 38	5 13	7 5	16 7	26 14	13 2	11 9
17	24 14 45	2♒13	5 0	7 2	16 10	26 51	14 17	12 40
B	25 13 27	14 34	4 32	6 59	16 14	27 29	15 31	14 9
19	26 12 10	26 43	3 53	6 56	16 17	28 7	16 46	15 37
20	27 10 55	8♓45	3 3	6 53	16 20	28 45	18 1	17 5
21	28 9 42	20 38	2 6	6 49	16 23	29 22	19 15	18 32
22	29 8 31	2♈27	1 4	6 46	16 25	0♍0	20 30	19 58
23	♎ 7 22	14 13	0 0	6 43	16 28	0 38	21 45	21 23
24	1 6 15	26 0	1 N 5	6 39	16 30	1 15	23 0	22 47
B	2 5 10	7♉49	2 7	6 36	16 32	1 53	24 15	24 9
26	3 4 7	19 4	3 5	6 32	16 34	2 31	25 30	25 30
27	4 3 6	1♊48	3 54	6 29	16 36	3 8	26 44	26 50
28	5 2 6	14 5	4 34	6 25	16 37	3 46	27 59	28 9
29	6 1 9	26 38	5 2	6 21	16 38	4 23	29 14	29 27
30	7 0 15	9♋31	5 16	6 18	16 39	5 1	0♎29	0♏43

Days	Jupiter rises	Mars rises.	Venus rises	Mercu. sets.	Dec. ♄ North.	Dec. ♃ North.	Dec. ♂ North.	Dec. ♀ North.	Dec. ☿ North.
1	10A. 6	3M 1	3M 4[illegible]	7A. 10	11 36	21 53	16 57	14 28	6 39
7	9 46	3 1	4 6	7 1	11 32	21 56	15 48	12 1	1 59
13	9 2[illegible]	3 2	4 27	6 51	11 26	21 59	14 3[illegible]	9 21	2S. 31
19	9 5	3 2	4 48	6 40	11 19	22 2	13 18	6 32	6 48
25	8 [illegible]	3 [illegible]	5 10	6 29	11 12	22 3	11 [illegible]	3 3[illegible]	10 44

October hath XXXI Days. White.

The Lunations.

New Moon the 6th Day, 57 Minutes paſt Midnight.
Firſt Quarter the 13th Dey, 42 Minutes after 7 at Night.
Full Moon the 21ſt Day, 52 Minutes paſt 10 at Night.
Laſt Quarter the 29th Day, at 7 Night.

M. D.	Sundays & other remarkable Days.	Sun riſes.	Sun ſets.	Dec. ☉ South.	Dec. ☽ North.	Moon riſes.	Moon South.	Clock aft. Sun.
1	Rimigius. Bp.	6 12	5 47	3 10	26 42	11A. 16	7M (	10 20
B	18 S. aft. Trinity.	6 14	5 45	3 34	23 24	Morn.	7 59	10 39
3	Markab So. 15m.	6 16	5 43	3 57	18 39	0 44	8 55	0 58
4	paſt 10 at night.	6 18	5 41	4 20	12 41	2 15	9 49	11 16
5		6 20	5 39	4 44	5 52	3 47	10 41	11 34
6	Faith, V. & M.	6 22	5 37	5 7	1S. 24	5 20	11 32	11 52
7	Pole ✱ So. 51m.	6 24	5 35	5 30	8 38	☽ ſets.	⊙A. 24	12 9
8	after 11 at night.	6 26	5 33	5 53	15 18	5A 56	1 19	12 26
B	19 S. aft. Trinity	6 28	5 31	6 16	21 0	6 18	2 16	12 42
10	Ox. & Ca. T. beg.	OldMichael. D.		6 39	25 15	6 47	3 15	12 58
11	Markab So. 46m.	6 32	5 27	7 2	27 50	7 30	4 16	13 13
12	paſt 9 at night.	6 34	5 25	7 24	28 38	8 28	5 16	13 27
13	Tranſl. K. Edw. C.	6 36	5 23	7 47	27 45	9 48	6 12	13 41
14	Fomalhaut South	6 38	5 21	8 9	25 23	10 56	7 6	13 54
15	25m. p. 9 at night.	6 40	5 19	8 32	21 52	Morn.	7 5	14 7
B	18 S. aft. Trinity.	6 42	5 17	8 54	17 28	0 14	8 39	14 20
17	Etheldred.	6 44	5 15	9 16	12 28	1 29	9 22	14 32
18	St. Luke.	6 46	5 13	9 38	7 2	2 40	10 2	14 44
19	Markab So. 16m.	6 47	5 12	10 0	1 26	3 51	10 42	14 55
20	paſt 9 at night.	6 49	5 10	10 21	4N. 12	5 1	11 21	15 5
21	Urſula.	6 51	5 8	10 43	9 44	☽ riſes.	Morn.	15 15
22		6 53	5 6	11 4	14 55	5A. 8	0 1	15 24
B	21 S. aft. Trinity.	6 55	5 4	11 26	19 37	5 23	0 43	5 32
24		6 57	5 2	11 47	23 35	5 44	1 28	15 40
25	K. Geo. III. Inaug.	Cr ſp. n.	5 0	12 7	26 32	6 13	2 17	15 47
26	K. Geo. III. Procl.	7 1	4 58	12 28	28 14	6 55	2 9	15 52
27		7 3	4 56	12 49	28 32	7 52	4 3	15 57
28	St. Sim. & Jude.	7 5	4 54	13 0	27 18	9 4	5 0	16 1
29		7 7	4 52	13 29	24 31	10 27	5 56	16 5
B	22 S. aft. Trinity.	7 9	4 50	13 49	20 22	11 54	6 51	16 8
31		7 11	4 48	14 8	14 59	Morn.	7 43	16 11

Days	Days decreaſ.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helioc. Plac. ♂	Helioc. Plac. ⊕	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn riſes.
1	4 59	11 35	3 ♉ 17	6 ♊ 2	16 ♌ 49	7 ♈ 59	23 ♍ 0	4 ♑ 50	6A 47
7	5 23	11 11	3 30	6 34	19 27	13 55	2 ♎ 43	22 38	6 24
13	5 47	10 47	3 43	7 6	22 5	19 52	12 25	12 ♒ 23	6 1
19	6 9	10 25	3 56	7 37	24 43	25 49	22 5	5 ♓ 0	5 38
25	6 33	10 1	4 0	8 9	27 20	1 ♉ 49	1 ♏ 43	2 ♈ 18	5 14

Mon. 4
lost
notice
lost
notice
lost
notice

Rd Stolehouse Came into M. house the 10th

October 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twil.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♃ South.	Lat. ♂ North.	Lat. ☿ North	Lat. ♀ South.
1	4 18	7 42	1 59	14 7	2 43	0 47	1 16	1 25	2 10
7	4 31	7 29	1 58	14 7	2 43	0 47	1 17	1 21	2 46
13	4 43	7 17	1 57	14 7	2 44	0 47	1 18	1 15	3 8
19	4 55	7 5	1 57	14 6	2 44	0 47	1 19	1 8	3 6
25	5 6	6 54	1 57	14 3	2 44	0 47	1 20	0 59	2 21

Days	☉ d.	m.	s.	☽	☊	☽ Lat. North.	♄	♇	♅	♃	♍	☿	♎	♀	♏
1	♎	59	32	22	47	3 14	6	14	16	40	5	38	1	44	1	58
8	8	58	31	6	♌ 30	4 53	6	10	16	40	6	15	2	59	3	12
3	9	57	42	20	40	4 15	6	6	16	41	6	53	4	14	4	25
4	10	56	55	5	♍ 15	3 19	6	2	16	41	7	39	5	29	5	36
5	11	56	11	20	11	2 9	5	58	16	42	8	7	6	44	6	46
6	12	55	29	5	♎ 21	0 48	5	53	16	℞ 42	8	45	7	59	7	54
7	13	54	49	20	36	0S. 36	5	49	16	41	9	22	9	14	9	0
8	14	54	11	5	♍ 45	1 57	5	45	16	41	9	59	10	29	10	3
8	15	53	35	20	40	3 9	5	40	16	40	10	37	11	44	11	2
10	16	53	2	5	♐ 12	4 7	5	36	16	39	11	14	12	59	11	56
11	17	52	30	19	18	4 48	5	32	16	38	11	51	14	14	12	46
12	18	51	59	2	♑ 37	5 11	5	27	16	36	12	29	15	29	13	33
13	19	51	31	16	10	5 17	5	23	16	35	13	6	16	44	14	16
14	20	51	5	29	0	5 6	5	18	6	33	13	43	17	59	14	55
15	21	50	42	11	♒ 30	4 42	5	14	16	32	14	20	19	4	15	31
8	22	50	21	23	44	4 4	5	9	16	30	15	58	20	29	16	2
17	23	50	1	6	♓ 46	3 17	5	4	16	27	15	35	21	44	16	39
18	24	49	43	7	39	2 21	5	0	16	25	16	12	22	59	16	51
19	25	49	27	29	28	1 20	4	55	16	22	16	49	24	14	17	7
20	26	49	13	11	♈ 14	0 16	4	50	16	19	17	26	25	29	17	14
21	27	49	2	23	1	0N 49	4	46	16	15	18	3	26	44	17	℞ 13
22	28	48	52	4	♉ 52	1 52	4	41	16	12	18	41	27	59	17	3
8	29	48	44	16	48	2 51	4	36	16	9	19	18	29	5	16	44
24	♏	48	38	28	52	3 43	4	31	16	5	19	55	0	♏ 30	16	17
25	1	48	35	11	♊ 6	4 25	4	26	16	1	20	32	1	45	15	41
2	2	48	33	23	31	4 55	4	21	15	57	21	9	3	0	14	55
27	3	48	33	6	♋ 10	5 12	4	17	15	53	21	48	4	15	14	5
28	4	48	35	19	5	5 14	4	12	15	48	22	2	5	31	12	59
29	5	48	39	2	♌ 18	4 59	4	7	15	43	23	0	6	46	11	50
8	6	48	45	15	51	4 27	4	2	15	39	23	36	8	2	10	35
31	7	48	53	29	45	3 39	3	57	15	34	24	13	9	17	9	17

Days	Jupiter rises.	Mars rises.	Venus rises.	Mercu. sets.	Dec. ♄ North.	Dec. ♃ North.	Dec. ♂ North.	Dec. ☿ North.	Dec. ♀ South.
1	8A 24	3M 2	5A 31	6A 17	11 3	22 3	10 39	0 37	14 12
7	8 2	3 2	5 51	6 5	10 55	22 3	9 16	28. 26	17 9
13	7 41	3 1	6 11	5 51	10 45	22 2	7 51	5 26	19 9
19	7 18	3 0	6 32	5 30	10 36	22 1	6 25	8 22	19 58
25	6 53	2 59	6 54	5 13	10 27	21 59	4 58	11 11	18 49

November hath XXX Days. White.

The Lunations.

New Moon the 5th Day, 42 Minutes after 10 in the Morning.
First Quarter the 12th Day, 41 Minutes past 11 in the Morning.
Full Moon the 20th Day, 1 Minute after 5 in the Afternoon.
Last Quarter the 28th Day, 4 Minutes past 5 in the Morning.

M D	Sundays & other remarkable Days.	Sun rises.	Sun sets.	Dec. ☉ South.	Dec. ☽ North.	Moon rises.	Moon South	Clock alt. Sun
1	All Saints	7 12	4 47	14 28	8 42	1M21	8M55	16 13
2	All Souls	7 14	4 45	14 47	1 47	2 49	9 23	16 14
3	Pole✱ S. 9 Min.	7 16	4 43	15 6	5S. 20	4 20	10 13	16 14
4	past 10 at Night	7 18	4 41	15 25	12 16	5 52	11 5	16 13
5	Papists Conspiracy	7 20	4 39	15 43	18 29	☽ sets.	0A. 1	16 11
B	23 S. aft. Trinity	7 21	4 38	16 1	23 30	4A 47	0 59	16 9
7	Pr. Hen. Fred. bo.	Term begins		16 19	26 53	5 23	2 0	16 6
8		7 24	4 35	16 37	28 28	6 15	3 3	16 2
9	Fromalhaut S. 45	7 26	4 33	16 54	28 9	7 22	4 3	15 57
10	m. after 7 at Night	7 28	4 31	17 11	26 14	8 39	5 1	15 51
11	St Martin B. & C.	7 29	4 30	17 28	22 56	9 59	5 53	15 44
12		7 31	4 29	17 44	18 44	11 16	6 38	15 36
B	24 S. aft. Trin.	Britius Bp.		18 1	13 49	Morn.	7 21	15 27
14		7 34	4 28	18 16	8 29	0 29	8 1	15 17
15	Machutus Bp.	7 36	4 23	18 32	2 54	1 40	8 42	15 7
16		7 37	4 22	18 47	2N 43	2 50	9 19	14 36
17	Hugh Bp. of Lin.	7 38	4 21	19 2	8 17	4 0	9 59	14 45
18	Pole✱ S. 8 Min.	7 40	4 19	19 17	13 35	5 10	10 42	14 33
19	past 9 at Night	7 42	4 18	19 31	18 26	6 22	11 23	14 20
B	25 S. aft. Trinity	Edm. K. & M.		19 44	22 35	☽ rises	Morn.	14 5
21		7 43	4 15	19 58	25 50	4A. 12	0 11	13 50
22	Old Martin. Day	7 46	4 14	20 11	27 53	4 50	1 2	13 34
23	St. Clement B. R.	7 48	4 12	20 24	28 30	5 44	1 56	13 17
24	& M.	7 49	4 11	20 36	27 35	6 51	2 52	12 59
25	Pr. Wm. Hen. bo.	7 50	4 10	20 48	25 8	8 11	3 48	12 41
26		7 51	4 9	21 0	21 20	9 34	4 42	12 22
B	Advent Sunday	7 52	4 8	21 11	16 20	10 59	5 34	12 3
28	Term ends	7 53	4 7	21 22	10 26	Morn.	6 23	11 43
29		7 54	4 6	21 32	3 56	0 24	7 10	11 22
30	St. Andrew			21 42	2S. 54	1 47	7 57	11 0

Days	Day decreas.	Length of Day.	Heliocentric Pla. ♄	Heliocentric Plac. ♃	Heliocentric Plac. ♂	Heliocentric Pl. c. ☉	Heliocentric Plac. ☿	Heliocentric Plac. ♀	Saturn sets.
1	6 59	9 35	4♉24	8♊46	0♍24	8♉49	12♌56	10♉37	6M43
7	7 21	9 13	4 37	9 17	3 1	14 51	22 31	17♊32	6 17
13	7 39	8 55	4 50	9 49	5 39	20 53	2♍ 4	24♋47	5 50
19	7 58	8 36	5 3	10 21	8 16	26 57	11 36	27♌12	5 23
25	8 14	8 20	5 16	10 52	10 54	3♊ 1	21 7	24♍ 4	4 56

November 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♃ South.	Lat. ♂ North.	Lat. ♀ North	Lat. ☿ South.
1	5 17	6 43	1 59	13 57	2 44	0 47	1 21	0 45	0 17
7	5 25	6 35	2 2	13 48	2 43	0 47	1 22	0 32	1N 32
13	5 34	6 26	2 3	13 35	2 43	0 46	1 22	0 19	2 20
19	5 41	6 19	2 5	13 18	2 42	0 46	1 23	0 4	2 17
25	5 48	6 22	2 7	12 55	2 41	0 45	1 23	0S. 10	1 47

Days	☉ ♏ d. m. s.	☽ ♍	☽ Lat. North.	♄ ♉ ℞	♃ ♊ ℞	♂ ♍	♀ ♏	☿ ♏ ℞
1	8 49 2	14 3	2 37	3 52	15 29	24 50	10 33	7 58
2	9 49 14	28 41	1 23	3 47	15 24	25 27	11 48	6 41
3	10 49 27	13♎35	0 2	3 43	15 18	26 4	13 4	5 28
4	11 49 42	28 39	1S. 20	3 38	15 13	26 40	14 19	4 22
5	12 49 58	13♏45	2 36	3 33	15 7	27 17	15 33	3 24
B	13 50 17	28 41	3 41	3 29	15 5	27 54	16 50	2 36
7	14 50 37	13♐21	4 28	3 24	14 55	28 30	18 5	1 59
8	15 50 59	27 37	5 0	3 19	14 48	29 7	19 20	1 34
9	16 51 22	11♑25	5 11	3 15	14 42	29 44	20 36	1 20
10	17 51 47	24 45	5 6	3 10	14 35	♎20	21 51	1 17
11	18 52 14	7♒39	4 44	3 5	14 28	0 56	23 6	1D.26
12	19 52 42	20 10	4 10	3 1	14 22	1 33	24 22	1 45
B	20 53 12	2♓23	3 25	2 56	14 15	2 9	25 37	2 14
14	21 53 44	14 22	2 31	2 52	14 8	2 46	26 52	2 51
15	22 54 18	26 13	1 32	2 47	14 1	3 22	28 8	3 35
16	23 54 53	7♈59	0 30	2 43	13 54	3 59	29 23	4 27
17	24 55 30	19 47	0N. 34	2 39	13 47	4 35	0♐38	5 25
18	25 56 8	1♉38	1 37	2 34	13 39	5 12	1 54	6 28
19	26 56 47	13 35	2 36	2 30	13 32	5 48	3 9	7 35
B	27 57 28	25 42	3 28	2 26	13 24	6 24	4 24	8 45
21	28 58 9	8♊0	4 12	2 22	13 17	7 0	5 40	9 59
22	29 58 51	20 30	4 44	2 18	13 9	7 37	6 55	11 16
23	♐ 59 36	3♋12	5 3	2 14	13 1	8 13	8 10	12 36
24	2 0 22	16 6	5 6	2 10	12 53	8 49	9 26	13 59
25	3 1 10	29 13	4 54	2 6	12 45	9 25	10 41	15 23
26	4 1 59	12♌32	4 16	2 2	12 37	10 1	11 56	16 49
B	5 2 49	26 4	3 43	1 59	12 29	10 37	13 12	18 16
28	6 3 41	9♍52	2 46	1 55	12 21	11 13	14 27	19 43
29	7 4 34	23 54	1 38	1 52	12 13	11 49	15 42	21 11
30	8 5 28	8♎10	0 23	1 48	12 5	12 25	16 58	22 39

Days	Jupiter rises.	Mars rises.	Venus sets.	Mercu. rises.	Dec. ♄ North.	Dec. ♃ North.	Dec. ♂ North.	Dec. ♀ South.	Dec. ☿ South.
1	6A. 24	2M 56	4A. 58	7M 9	10 16	21 5	3 17	14 18	14 27
7	5 58	2 53	4 49	6 [illegible]	10 7	21 52	1 51	16 4	10 45
13	5 31	2 50	4 43	5 37	9 58	21 48	0 24	18 5[illegible]	10 5
19	5 3	2 45	4 37	5 41	9 50	21 43	1S. 2	20 41	11 54
25	4 35	2 41	4 33	6 [illegible]	9 43	21 38	2 28	22 1	4 47

The LUNATIONS.

New Moon the 4th Day, 43 Minutes after 9 at Night.
First Quarter the 12th Day, 20 Minutes past 7 in the Morning.
Full Moon the 20th Day, 46 Minutes after 9 in the Morning.
Last Quarter the 27th Day, 46 Minutes past 1 in the Afternoon.

M D	Sundays & other remarkable Days.	Sun rises.	Sun sets	D. c. ☉ South.	Dec. ☽ South.	Moon rises.	Moon Sou.	Clock ast. Sun
1		7 57	4 3	21 51 9	40	3 M 15	8 M 47	10 37
2	7 Stars So. 57 M.	7 58	4 2	22 0 16	1	4 46	2 39	10 13
3	past 10 at Night.	7 59	4 1	22 9 21	27	6 17	10 34	9 49
4	2 S. in Advent.	8 0	4 0	22 17 25	33	☽ sets;	11 33	9 25
5		8 0	4 0	22 25 27	56	3 A: 5	0 A 35	9 0
6	Nicol. B. of Myra.	8 1	3 59	22 33 28	23	4 52	1 37	8 35
7		8 2	3 58	22 40 27	2	6 6	2 37	8 9
8	Conce. B. V. Mary	8 3	3 57	22 46 24	11	7 27	3 33	7 43
9	Pole ✳ S. 38 M.	8 4	3 56	22 52 20	9	8 47	4 22	7 16
10	past 7 at Night.	8 5	3 55	22 58 15	22	10 3	5 5	6 49
11	3 S. in Advent.	8 5	3 55	23 3 10	3	11 16	5 48	6 21
12		8 6	3 54	23 8 4	31	Morn.	6 27	5 53
13	Lucy. V. & Mart.	8 6	3 54	23 12 1 N	9	0 26	7 5	5 24
14	Ember Week	8 6	3 54	23 16 6	44	1 35	7 45	4 55
15		8 7	3 53	23 19 12	6	2 43	8 25	4 26
16	Camb. Tr. Sunt	O Sap.	3 53	23 22 17	5	3 55	9 7	3 56
17	Ox. Tr. cath	8 7	3 53	23 24 21	26	5 10	9 54	3 26
18	4 S. in Advent.	8 8	3 52	23 26 24	57	6 24	10 45	2 56
19	7 Stars So. 43 M.	8 8	3 52	23 27 27	22	7 41	11 38	2 26
20	after 9 at Night	8 8	3 52	23 28 28	24	☽ rises.	Morn.	1 56
21	St. Thomas	Shortest Day		23 29 27	52	4 A. 28	0 33	1 26
22		8 8	3 52	23 29 25	44	5 45	1 30	0 56
23	Alde. S. 14 M.	8 8	3 52	23 28 22	9	7 9	2 26	0 26
24	past 10 at Night	8 8	3 52	23 28 17	20	8 36	3 18	obef. 4
25	Christmas Day	8 7	3 53	23 26 11	36	10 0	4 7	0 34
26	St. Stephen	8 7	3 53	23 24 5	15	11 22	4 55	1 4
27	St. John Evang.	8 7	3 53	23 22 1 S.	24	Morn.	5 42	1 34
28	Holy Innocents	8 6	3 54	23 19 8	2	0 45	6 28	2 3
29	7 Stars So. 58 M.	8 6	3 54	23 16 14	19	2 10	7 16	2 33
30	after 8 at Night.	8 5	3 55	23 12 19	54	3 39	8 9	3 2
31	Silvester B. of R.	8 4	3 56	23 8 24	19	5 9	9 5	3 32

Days	Days decreas.	Length of Day.	Helioc. Plac. ♄	Helioc. Plac. ♃	Helio. Plac. ♂	Hel oc. Plac. ☉	Helioc. Plac. ♀	Helioc. Plac. ☿	Saturn sets.
1	8 28	8 46	3 ♉ 29	11 ♊ 23	13 ♍ 31	9 ♊ 0	0 ♍ 37	16 ♎ 26	4 M 29
7	8 38	7 56	5 42	11 55	16 9	15 1	10 6	5 ♏ 47	4 7
13	8 46	7 48	5 55	12 26	18 48	21 18	29 35	23 18	3 33
19	8 50	7 44	6 8	12 58	21 27	27 2	29 4	9 ♐ 56	3 7
25	0 incr. 2	7 46	6 21	13 29	24 6	3 ♋ 32	8 ♒ 33	26 28	2 31

December 1763.

Days	Daylig. begins.	Daylig. ends.	Durat. Twilig.	Node ☽ in ♈	Lat. ♄ South.	Lat. ♃ South.	Lat. ♂ North.	Lat. ☿ South.	Lat. ♀ North.
1	5 54	6 6	2 8	12 30	2 40	☉ 44	1 23	0 24	1 7
7	5 57	6 3	2 10	11 59	2 38	0 44	1 23	0 38	0 24
13	5 59	6 1	2 12	11 25	2 37	0 43	1 24	0 51	0S. 18
19	6 1	5 59	2 11	10 47	2 35	0 42	1 24	1 3	0 56
25	6 1	5 59	2 11	10 8	2 33	0 41	1 23	1 13	1 28

Days	☉ d.	☉ m.	☉ f.	☽	☽ Lat. South.	♄ ℞	♂	♃ ℞	♅	♂	☿	♀	♀
1	9	6	♑3	22 40	0 54	1 45	11 57	13 1	18 13	24 8			
2	10	7	19	7♏20	2 9	1 42	11 49	13 37	19 28	25 38			
3	11	8	16	22 5	3 15	1 39	11 40	14 13	20 44	27 9			
4	12	9	14	6♐46	4 8	1 36	11 32	14 48	21 59	28 40			
5	13	10	13	21 17	4 44	1 33	11 24	15 24	23 14	0♐12			
6	14	11	12	5♑29	5 1	1 30	11 15	16 0	24 30	1 43			
7	15	12	11	19 19	5 0	1 27	11 7	16 35	25 45	3 15			
8	16	13	12	2♒42	4 43	1 24	10 59	17 11	27 0	4 46			
9	17	14	14	15 40	4 11	1 22	10 51	17 47	28 16	6 18			
10	18	15	17	28 14	3 28	1 19	10 43	18 22	29 31	7 51			
11	19	16	21	10♓28	2 36	1 17	10 35	18 57	0♑46	9 23			
12	20	17	25	22 28	1 39	1 14	10 27	19 33	2 2	10 56			
13	21	18	30	4♈19	0 37	1 12	10 19	20 8	3 17	12 29			
14	22	19	36	16 6	0N. 25	1 10	10 11	20 43	4 32	14 1			
15	23	20	42	27 55	1 27	1 8	10 4	21 18	5 48	15 34			
16	24	21	49	9♉49	2 25	1 6	9 56	21 54	7 3	17 8			
17	25	22	56	21 54	3 17	1 4	9 48	22 29	8 18	18 41			
18	26	24	4	4♊12	4 1	1 2	9 41	23 4	9 34	20 15			
19	27	25	12	16 45	4 34	1 1	9 33	23 39	10 49	21 49			
20	28	26	21	29 33	4 55	0 59	9 26	24 14	12 4	23 23			
21	29	27	30	12♋36	5 1	0 58	9 18	24 49	13 20	24 58			
22	♈	28	40	25 53	4 49	0 56	9 11	25 24	14 35	26 32			
23	1	29	50	9♌22	4 22	0 55	9 4	25 59	15 50	28 7			
24	2	31	0	23 0	3 40	0 54	8 57	26 34	17 6	29 42			
B	3	32	11	6♍46	2 45	0 53	8 51	27 9	18 21	1♈17			
26	4	33	21	20 38	1 40	0 53	8 45	27 44	19 36	2 53			
27	5	34	32	4♎36	0 28	0 52	8 38	28 19	20 51	4 29			
28	6	35	43	18 41	0S. 46	0 52	8 32	28 53	22 7	6 6			
29	7	36	54	2♏51	1 58	0 51	8 26	29 28	23 22	7 42			
30	8	38	5	17 6	3 3	0 51	8 19	0♍1 2	24 37	9 19			
31	9	39	16	1♐23	3 56	0 50	8 13	0 37	25 52	10 55			

Days	Jupiter rises.	Mars rises.	Venus sets.	Mercu. rises.	Dec. ♄ North.	Dec. ♃ No th.	Dec. ♂ South.	Dec. ☿ South.	Dec. ♀ South.
1	4A. 7	2M36	4 33	6M28	9 36	21 33	3 53	23 22	17 45
7	sets.	2 29	4 34	6 56	9 32	21 26	5 16	24 3	20 28
13	7M17	2 22	4 38	7 23	9 28	21 20	6 36	24 18	22 38
19	6 48	2 17	4 47	7 49	9 26	21 14	7 54	24 5	24 10
25	6 17	2 10	4 58	8 9	9 25	21 9	9 12	23 25	24 17

Of the Eclipſes this Year, 1763.

THIS Year will produce only two Eclipſes, and both of them of the greater Luminary the Sun. They will happen in the following Order.

The firſt Eclipſe will happen on Wedneſday the 13th Day of April, near Half an Hour paſt our 10 o'Clock in the Morning; and though the Time of this Eclipſe happens not very far from our Noon, and the Moon's true Latitude at the ſame Time next to Nothing; yet her Peraliax of Latitude being very conſiderable, and always South in theſe Parts of the Globe, will depreſs her too low, to interpoſe between the Sun and us. This Eclipſe cannot be total in any Part of the Earth, the Sun's apparent Semidiameter being conſiderably larger than that of the Moon; but it will be central, in ſeveral of the interior and almoſt middle Parts of Africa: And a bright Annulus will be obſerved to ſurround the Body of the Moon on all Sides; But as theſe Parts of the World are unfrequented and little known, I ſhall forbear any further Deſcription of this Eclipſe.

The ſecond Eclipſe will happen on Friday the 7th Day of October, near our 1 o'Clock in the Morning; conſequently inviſible to us, and all Europe: But will be both central and total, in ſeveral Parts of the Pacific Ocean or Great South Sea: And a great Eclipſe in the Eaſt Indian Iſlands, and in ſeveral other Parts of Eaſtern Aſia.

November the 2d the Moon will eclipſe the Planet Mars, according to the following Calculation; which I received from an ingenious Correſpondent. Time of Immerſion 4 h. 45 m. of Emerſion, 5 h. 38 m. in the Morning, at London.

The Moon this Year will make ſeveral near Appulſes to the fixed Star, called the Scorpion's Heart; perhaps ſome of them will prove Eclipſes; but Want of Leiſure, and the Demands of the Preſs, oblige me to omit any further particular Account of them.

Days	JANUARY.
2	☿ in Aphelio.
3	☽ in Perigeo.
11	☌☉☿ 14h.
13	☌☿♀ 8h.
13	☌☿☽ 10h.
13	☌♀☽ 10h.
17	☽ in ♒
17	☌♂☽ 8h.
17	☌☉☿ 20h.
19	☉ in ♒ 17h. 14m.
—	Apparent Time.
20	☌♄☽ 17h.
21	☌♅☽ 21h.
21	♀ in Perihelio.
31	☽ in Perigeo.

Days	FEBRUARY.
9	☌♈☽ 6h.
11	☿ in ♌.
14	☽ in Apogeo.
14	☌☿☽ 2h.
15	☌☌☽ 12h.
15	☿ in Perihelio.
16	☿ Elong. Max. á ☉
—	Vesp. 18° 3′, sets 1h.
—	43m. after him.
17	☌♄☽ 5h.
18	☉ in ♓ 8h. 4m.
18	☌♅☽ 11h.
28	☽ in Perigeo.

Days	MARCH.
3	☌☉☿ 13h. &
10	☌☿☽ 0h.
12	☌☿☽ 16h.
14	☽ in Apogeo.
16	☌☌☽ 14h.
16	☌♄☽ 17h.
18	☌♅☽ 3h.
18	☌♄☌ 16h.
20	☉ in ♈ 8h. 38m.
21	☿ in ♉.
23	☿ Elong. Max. á ☉
—	Mat. 46°29′, rises 1h.
—	37m. before him.
28	☽ in Perigeo.
31	☿ in Aphelio.

Days	APRIL.
1	☌ in ♉.
1	☿ Elong. Max. à ☉
—	Mat. 27°45′, rises
—	0h. 36m. before him.
8	☌☿☽ 18h.
10	☿ in ♈.
10	☌☿☽ 14h.
11	☽ in Apogeo.
13	☌♄☽ 6h.
14	☌☌☽ 1.h.
14	☌♅☽ 21h.
17	☌☉♄ 5h.
19	☉ in ♉ 21h. 39m.
25	☽ in Perigeo.

Days	MAY.
8	☌☿☽ 20h.
10	☽ in Apogeo.
10	☿ in ♊.
10	☌☋☿ 14h.
10	☌♄☽ 19h.
12	☌♅☿ 0h.
12	☌♅☽ 16h.
12	☌☿☽ 19h.
13	☌☌☽ 12h.
14	☌☉♅ 8h.
14	☿ in Aphelio.
14	☿ in Perihelio.
18	☌☌☿ 14h.
20	☉ in ♊ 22h. 34m.
22	☽ in Perigeo.
31	☌♄☿ 5h.

Days	JUNE.
5	☽ in Apogeo.
7	☌♄☽ 9h.
8	☌☿☽ 2h.
9	☌♅☽ 12h.
11	☌☌☽ 8h.
12	☋ Elong. Max. á ☉
—	Vesp. 24°31′, sets 1h.
—	5′m. after him.
13	☌☿☽ 1h.
15	☿ in ♋.
18	☽ in Perigeo.
21	☉ in ♋ 7h. 33m.
21	☌☉☌ 20h.
26	☌♅☿ 7h.
27	☿ in Aphelio.

Days	JULY.
2	☽ in Apogeo.
4	☌♄☽ 23h.
7	☌♅☽ 8h.

Days	JULY.
8	☌☿☽ 6h.
9	☌☉☿ 5h. R
10	☌♂☽ 2h.
10	☌☿☽ 8h.
13	☌♂☿ 5h.
15	☽ in Perigeo.
22	☉ in ♌ 18h. 32m.
29	☽ in Ap geo.
29	☿ Elong. Max. á ☉ Mat 19° 19′, rises 1h. 32m. before him.

Days	AUGUST.
1	☿ in ♌.
1	☌♄☽ 10h.
4	☌♅☽ 3h.
6	☿ in ♌.
7	☌☿☽ 7h.
7	☌☿☽ 16h.
7	☌♃☽ 19h.
9	☌♂☿ 6h.
10	☿ in Perihelio.
11	☽ in Perigeo.
19	☌♂☿ oh.
23	☉ in ♍ oh. 52m.
23	☌☉☿ 18h.
25	☽ in Apogeo.
28	☌♄☽ 17h.
31	☌♅☽ 18h.

Days	SEPTEMBER.
3	☿ in Perihelio.
5	☌♂☽ 12h.
6	☌☿☽ 6h.
8	☽ in Perigeo.
13	☌☿☽ 2h.
13	☿ in ♎.
22	☽ in Apogeo.
22	☉ in ♎ 21h. 8m.
2	☿ in Aphelio.
2.	☌♄☽ 22h.
22	☌♅☽ 5h.

Days	OCTOBER.
4	☌☌☽ 4h.
6	☽ in Perigeo.
8	☌☿☽ 3h.
8	☌☿☽ 7h.
8	☿ Elong. Max. á ☉ Vesp. 25°9′, sets 0h. 30m. after him.
2	☽ in Apogeo.
22	☌♄☽ oh.
23	☉ in ♏ 4h. 47m.
25	☌☉☿ 5h.
25	☌♅☽ 9h.
31	☌☿☿ oh.
31	☌☉☿ 15h. R

Days	NOVEMBER.
1	☌ Eclipsed by ☽ Immersion 16h. 45m. Emersion 17h. 38m.
2	☿ in ♌.
4	☽ in Perigeo.
4	☌ in Aphelio.
4	☌☿☽ 9h.
5	☌☿☽ 3h.

Days	NOVEMBER.
6	☿ in Perihelio.
17	☿ Elong. Max. á ☉ Mat. 19° 30′, rises 1h. 58m. before him.
18	☽ in Apogeo.
18	☌♄☽ 2h.
21	☌♅☽ [illegible]
2	☉ in ♐ oh. 4[illegible]m.
3	☌♂☽ 7h.

Days	DECEMBER
1	☽ in Perigeo.
3	☌☿☽ 9h.
5	☌☿☽ 4h.
10	☿ in ♐.
15	☽ in Apogeo.
16	☌♄☽ 6h.
18	☌♅☽ 10h.
29	☿ in Aphelio.
21	☉ in ♑ 12h. 46m.
24	☿ in Aphelio.
28	☌♂☽ 18h.
28	☌☉☿ 21h.
29	☽ in Perigeo

ADVERTISEMENT.

A Table of the Eclipses of *Jupiter*'s first Satelles, reduced to correct or apparent Time, 1763.

White.

JANUARY

Emersions			
d.	h.	m.	f.
1	1	19	2
2	19	47	4
4	14	[illegible]	7
6	8	43	11
8	3	1	[illegible]
9	21	39	23
11	16	7	32
13	10	35	44
15	5	3	58
16	23	32	14
18	18	0	32
20	12	28	52
22	6	57	15
24	1	25	41
25	19	54	10
27	14	22	41
29	8	51	15
31	3	19	52

FEBRUARY

Emersions			
1	21	48	31
3	16	17	12
5	10	45	55
7	5	14	41
8	23	43	30
10	18	12	21
12	12	40	45
14	7	10	12
16	1	39	12
17	20	8	16
19	14	37	24
21	9	6	35
23	3	35	48
24	22	5	2

FEBRUARY

Emersions			
d.	h.	m.	f.
26	16	34	17
28	11	3	34

MARCH

Emersions			
2	5	32	53
4	0	2	11
5	18	31	31
7	13	0	53
9	7	30	16
11	1	59	40
12	20	29	6
14	14	58	32
16	9	27	58
18	3	57	25
19	22	26	52
21	16	56	19
23	11	25	46
25	5	55	14
27	0	24	42
28	18	54	9
30	13	23	36

APRIL.

Emersions			
1	7	53	2
3	2	22	27
4	20	51	51
6	15	21	14
8	9	50	35
10	4	19	55
11	22	49	14
13	17	18	32
15	11	47	49

APRIL

Emersions			
d.	h.	m.	f.
17	6	17	5
19	0	46	21

♀ near ☉

JUNE

Immersions			
11	1	1	30
12	19	29	48
14	13	58	5
16	8	26	22
18	2	54	38
19	21	22	54
21	15	51	10
23	10	19	25
25	4	47	40
26	23	15	55
28	17	44	10
30	12	12	24

JULY

Immersions			
2	6	40	38
4	1	8	52
5	19	37	7
7	14	5	23
9	8	33	41
11	3	2	1
12	21	30	22
14	15	58	45
16	10	27	10
18	4	55	36
19	23	24	3
21	17	52	30
23	12	20	49

JULY

Immersions			
d.	h.	m.	f.
25	6	49	27
27	1	17	57
28	19	46	29
30	14	15	3

AUGUST

Immersions			
1	8	43	38
3	3	12	15
4	21	40	54
6	16	9	35
8	10	38	18
10	5	7	4
11	23	35	52
13	18	4	41
15	12	33	31
17	7	2	22
19	1	31	15
20	20	0	9
22	14	29	4
24	8	58	0
26	3	26	57
27	21	55	56
29	16	24	56
31	10	53	58

SEPTEMBER

Immersions			
2	5	23	2
3	23	52	7
5	18	21	13
7	12	50	20
9	7	19	27
11	1	48	33
12	20	17	38

A Table of the Eclipses of *Jupiter*'s first Satelles, reduced to correct or apparent Time, 1763. White.

SEPTEMBER			
Immersions			
d.	h.	m.	s.
14	14	46	42
16	9	15	45
18	3	44	49
19	22	13	53
21	16	42	57
23	11	12	1
25	5	41	4
27	0	10	6
28	18	39	7
30	13	8	7

OCTOBER			
Immersions			
2	7	37	6
4	2	6	3

OCTOBER			
Immersions			
d.	h.	m.	s.
5	20	35	6
7	15	3	55
9	9	32	49
11	4	1	42
12	22	30	34
14	16	59	24
16	11	28	13
18	5	57	0
20	0	25	45
21	18	54	29
23	13	23	11
25	7	51	52
27	2	20	30
28	20	49	6
30	15	17	40

NOVEMBER			
Immersions			
d.	h.	m.	s.
1	9	46	12
3	4	14	41
4	22	43	8
6	17	11	33
8	11	39	57
10	6	8	18
12	0	36	37
13	19	4	53
15	13	33	7
17	8	1	18
19	2	29	27
20	20	57	33
22	15	25	37
24	9	53	40
26	4	21	41
27	22	49	40
29	17	17	37

DECEMBER			
Immersion			
d.	h.	m.	s.
1	11	45	31
Immersions			
3	6	49	45
5	1	17	34
6	15	45	23
10	10	13	12
12	4	41	1
13	23	8	49
15	17	36	37
17	12	4	24
19	6	32	10
21	0	59	55
22	19	27	40
24	13	55	26
26	8	23	12
28	2	50	59
29	21	18	48
31	15	46	38

The Times of the Eclipses contained in this Table are adapted to the Meridian of the Royal Observatory near *London* and afford an excellent Method to discover the Longitude, or Difference of Meridians, between that and any other Place whatsoever; which I shall illustrate by an *Example*.

Suppose on the 26th Day of *December* this Year, the Time of the Emersion of *Jupiter*'s first Satelles be observed (by a Telescope) in an unknown Meridian, at 30 Min. 45 Sec. past 10 at Night: I find by the TABLE, that the Time of this Emersion will happen at the *British* Observatory at 23 Min. 12 Sec. after 8 the same Night: The Difference of the Times is 2 Hours 7 Min. 33 Sec. which converted into Deg. and Min. of the Equator, will make 31 Deg. 53 Min. 15 Sec. the Longitude of the Place of Observation, to the East (because the Time is more) of the *British* Observatory.

A Table of the Times of High-Water at *London-Bridge*, in the Morning and Afternoon of every Day in the Year 1763.

Mo. Days	JANUARY Morn. h.	m.	Aftern. h.	m.	Mo. Days	FEBRUARY Morn. h.	m.	Aftern. h.	m.	Mo. Days	MARCH Morn. h.	m.	Aftern. h.	m.	Mo. Days	APRIL Morn. h.	m.	Aftern. h.	m.
1	3	12	3	32	1	4	4	4	23	1	3	12	3	28	1	4	5	4	26
B	[illegible]		4	11	2	4	42	5	0	2	3	48	4	2	2	4	47	5	9
3	4	[illegible]	4	50	3	5	18	5	40	3	4	18	4	38	B	5	38	5	59
4	5	10	5	32	4	6	3	6	29	4	4	49	5	21	4	6	20	6	59
5	5	[illegible]	[illegible]	17	5	6	55	7	25	5	5	43	6	10	5	7	30	8	3
6	6	42		B	7	56	8	30	B	6	37	7	8	6	8	36	9	9
7	7	32	8	2	7	9	5	9	41	7	7	39	8	15	7	9	42	10	12
8	8	33	9	6	8	10	17	10	52	8	8	50	9	26	8	10	41	11	9
B	9	39	10	13	9	11	28			9	10	2	10	35	9	11	36		
10	10	47	11	21	10	0	0	0	31	10	11	7	11	39	10	0	0	0	23
11	11	56			11	0	57	1	24	11			0	10	11	0	44	1	5
12	0	26	0	56	12	1	48	2	12	12	0	34	0	58	12	1	26	1	46
13	1	25	1	53	B	2	31	2	50	B	1	19	1	40	13	2	7	2	28
14	2	17	2	42	14	3	4	3	18	14	2	1	2	21	14	2	44	3	0
15	3	0	3	17	15	3	31	3	44	15	2	38	2	54	15	3	15	3	20
B	3	32	3	46	16	3	50	4	7	16	3	7	3	20	16	3	46	4	1
17	3	59	4	12	17	4	22	4	37	17	3	33	3	46	17	4	20	4	39
18	4	28	4	43	18	4	53	5	9	18	3	59	4	12	18	5	0	5	22
19	4	58	5	13	19	5	27	5	46	19	4	30	4	48	19	5	49	6	16
20	5	30	5	46	B	6	10	6	34	B	5	7	5	27	20	6	48	7	20
21	6	6	6	27	21	7	3	7	31	21	5	53	6	20	21	7	56	8	33
22	6	50	7	12	22	8	6	8	41	22	6	50	7	20	22	9	9	9	45
B	7	40	8	7	23	9	21	10	2	23	7	58	8	36	23	10	19	10	53
24	8	40	9	12	24	10	44	11	25	24	9	16	9	57	B	11	25	11	57
25	9	48	10	25	25			0	1	25	10	24	11	11	25			0	24
26	11	3	11	42	26	0	37	1	8	26	11	46			26	0	52	1	18
27			0	18	B	1	38	2	6	B	0	20	0	49	27	1	45	2	11
28	0	55	1	28	28	2	34	2	53	28	1	18	1	43	28	2	37	2	58
29	2	0	2	26						29	2	11	2	33	29	3	18	3	36
B	2	53	3	12						30	2	55	3	13	30	3	54	4	15
31	3	31	3	48						31	3	30	3	48					

This Table may serve the following Places, by adding,

	h.	m.
For Tinmouth Haven, Hartlepool, *and* Amsterdam	0	30
Brest	1	0
Scilly	1	45
Mount's Bay	1	55
Bridlington Pier *and* Humber	2	0

A Table of the Times of High-Water at *London-Bridge*, in the Morning and Afternoon of every Day in the Year 1763

Mo. Days	May Morn h.	May Morn m.	May Aftern. h.	May Aftern. m.	Mo. Days	June Morn. h.	June Morn. m	June Aftern. h.	June Aftern. m.
B	4	36	4	59	1	[illegible]	45	6	8
2	5	22	5	48	2	[illegible]	31	6	54
3	6	14	6	42	[illegible]	[illegible]	17	7	41
4	7	10	7	37	4	8	5	8	29
5	8	5	8	33	B	8	54	9	21
6	9	1	9	29	6	[illegible]	48	[illegible]	14
7	9	57	10	23	7	10	40	11	8
B	10	49	11	14	8	11	36		
9	11	39			9	0	3	0	29
10	0	2	0	25	10	0	56	1	23
11	0	47	1	9	11	1	51	2	19
12	1	32	1	55	[illegible]	2	42	3	5
13	2	18	2	41	[illegible]	3	24		44
14	3	0	3	18	[illegible]	4	3	4	23
B	3	36	3	53	[illegible]	4	44	5	6
16	4	13	4	3[illegible]	[illegible]	5	28	5	51
17	4	55	5	18	[illegible]	6	16	6	41
18	5	44	6	11	18	7	7	7	33
19	6	41	7	10	B	8	3	8	34
20	7	40	8	10	[illegible]	9	5	9	36
21	8	4[illegible]	9	16	[illegible]	10	10	10	44
B	9	48	10	20	[illegible]	11	18	11	53
23	10	51	11	22	23			0	24
24	11	52			24	0	56	1	26
25	0	2	0	57	25	1	55	2	23
26	1	21	1	50	B	2	51	3	10
27	2	19	2	42	27	3	28	3	44
28	3	6	3	2	28	4	0	4	17
B	3	45	4	4	29	4	35	4	52
30	4	23	4	44	30	5	8	5	25
31	5	5	5	24					

Mo. Days	July Morn. h.	July Morn. m	July Aftern. h.	July Aftern. m.	Mo. Days	August Morn h.	August Morn m.	August Aftern. h	August Aftern. m.
1	5	4[illegible]	6	3	1	6	14	6	37
2	6	22	6	4[illegible]	[illegible]	[illegible]	[illegible]	7	2[illegible]
B	7	[illegible]	7	[illegible]	[illegible]	7	[illegible]	8	[illegible]
4	7	49	[illegible]	[illegible]	4	[illegible]	[illegible]	9	3[illegible]
5	8	42	9	[illegible]	[illegible]	[illegible]	[illegible]	10	4[illegible]
[illegible]	[illegible]	43	[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]		
7	[illegible]	44	11	8	[illegible]	0	1	0	37
8	11	53			8	1	9	1	4[illegible]
9	0	25	0	56	9	2	9	2	38
B	1	27	1	58	10	2	58	3	17
11	2	25	2	5	11	3	34	3	50
12	3	12	3	31	12	4	7	4	24
13	3	48	4	6	13	4	43	5	2
14	4	25	4	45	B	5	2[illegible]	5	43
15	5	4	5	23	15	6	10	6	37
16	5	45	6	7	16	7	7	7	37
B	6	33	6	59	17	8	13	8	50
18	7	27	7	56	18	9	29	10	8
19	8	29	9	2	19	10	44	11	20
20	9	40	10	17	20	11	53		
21	10	54	11	32	B	0	26	0	53
22			0	6	22	1	20	1	44
23	0	40	1	9	23	2	8	2	28
B	1	38	2	5	24	2	47	3	1
25	2	32	2	50	25	3	15	3	28
26	3	8	3	23	26	3	41	3	53
27	3	38	3	51	27	4	4	4	19
28	4	4	4	19	B	4	34	4	50
29	4	33	4	49	29	5	6	5	24
30	5	4	5	19	30	5	43	6	6
B	5	35	5	54	31	6	30	6	58

Adding.	h.	m.
For Fowey, Loo, *and* Plymouth — — —	3	10
Dartmouth Harborough, *and* Hull — —	3	30
Torbay *and* Tinmouth — — — — —	3	40
Exmouth, Topsham, *and* Lime — — —	3	50
Weymouth — — — — —	4	25
Bridgwater *and* Texel — — — —	4	40
Portland *and* Hartflew — — — —	5	50

A Table of the Times of High-Water at *London-Bridge*, in the Morning and Afternoon of every Day in the Year 1762.

Mo.	Day	September Morn. h.	m.	Aftern. h.	m.	Mo.	Day	October Morn. h.	m.	Aftern. h.	m.	Mo.	Day	November Morn. h.	m.	Aftern. h.	m.	Mo.	Day	December Morn. h.	m.	Aftern. h.	m.
	1	7	27	8	1		1	8	31	9	10		1	10	32	11	4		1	10	49	11	23
	2	8	3	9	16		2	9	8	10	24		2	11	36				2	11	56		
	3	8	56	10	35		3	10	59	11	34		3	0	5	0	34		3	0	27	0	57
	4	9	53	11	49		4			0	8		4	1	2	1	29		4	1	28	1	58
	5	10	50	0	25		5	0	46	1	4		5	1	57	2	26		5	2	25	2	53
	6	0	0	1	26		6	1	30	1	56		6	2	47	3	9		6	3	14	3	34
	7	1	53	2	20		7	2	20	2	45		7	3	29	3	49		7	3	53	4	12
	8	2	41	3	2		8	3	4	3	23		8	4	10	4	32		8	4	34	4	55
	9	3	19	3	35		9	3	41	3	59		9	4	55	5	18		9	5	15	5	35
	10	3	57	4	8		10	4	21	4	42		10	5	45	6	12		10	5	56	6	17
	11	4	28	4	49		11	5	6	5	29		11	6	40	7	8		11	6	39	7	2
	12	5	11	5	31		12	5	58	6	28		12	7	34	8	1		12	7	24	7	46
	13	6	2	6	31		13	6	59	7	30		13	8	28	8	55		13	8	11	8	36
	14	7	2	7	34		14	8	3	8	36		14	8	23	9	50		14	9	2	9	28
	15	8	11	8	48		15	9	9	9	42		15	10	15	10	40		15	9	54	10	21
	16	9	26	10	3		16	10	10	10	39		16	11	6	11	31		16	10	48	11	15
	17	10	36	11	8		17	11	6	11	34		17	11	55				17	11	44		
	18	11	38				18	11	58				18	0	19	0	41		18	0	13	0	40
	19	0	8	0	32		19	0	22	0	44		19	1	3	1	25		19	1	8	1	35
	20	0	56	1	17		20	1	5	1	2		20	1	47	2	11		20	2	3	2	28
	21	1	38	1	59		21	1	43	2	6		21	2	35	2	54		21	2	52	3	11
	22	2	20	2	36		22	2	26	2	43		22	3	12	3	30		22	3	30	3	48
	23	2	52	3	6		23	2	59	3	14		23	3	47	4	5		23	4	5	4	25
	24	3	19	3	32		24	3	29	3	44		24	4	24	4	45		24	4	44	5	3
	25	3	45	3	59		25	3	59	4	18		25	5	7	5	30		25	5	22	5	44
	26	4	12	4	29		26	4	37	4	58		26	5	53	6	20		26	6	6	6	30
	27	4	47	5	7		27	5	18	5	44		27	6	47	7	14		27	6	55	7	21
	28	5	27	5	52		28	6	11	6	41		28	7	42	8	11		28	7	48	8	18
	29	6	18	6	48		29	7	11	7	43		29	8	41	9	13		29	8	49	9	25
	30	7	18	7	54		30	8	16	8	50		30	9	45	10	17		30	10	1	10	36
							31	9	25	9	59								31	11	12	11	48

Subtract.

For Leigh, Maes, *and* Gouries Gut — — — — — — — 0 5
Gravesend, Rochester, *and* Rammekins — — — — — — 1 20
Buoy of the Nore *and* Flushing — — — — — — — 1 30
Portsmouth, Ostend, Shoe-Becon, *and* Red-Sand — — — — 2 0
Harwich, Dover, Spithead, *and* Calais — — — — — — 3 0
Gunfleet, Hastings, Shoreham, Orfordness, *and* Diep — 4 0
Yarmouth Pier *and* Needle — — — — — — — — — 4 40
St. Helen's *and* Havre-de-Grace — — — — — — — — 5 30

A Table of the Sun's semi-diurnal Arches, or Times of his visible half Tarriance above the Horizon. White.

The SUN's Declination North

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

By these Tables the Times of the Sun's Rising and Setting may be found, in any Part of the Kingdom of *Great-Britain* or *Ireland*, after the following Manner: Where the Latitude of the Place is known, take the Sun's Declination out of the Table, on the Noon of the Day you desire to know the Time of his Rising and Setting; and with it, according as it is either North or South, enter these Tables in the left hand Column, under the Word Degrees; then look the Latitude of the Place in the Top of the Table; and in that

A Table of the Sun's semi-diurnal Arches, or Times of his visible half Tarriance above the Horizon. White.

The Sun's Declination South.

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

that Column, againſt the Sun's Declination, will be found the Time of his viſible half Tarriance above the Horizon, or Time of his Setting, correct by Refraction; then ſubtract the Time of his Setting from 12 Hours, the Remainder will be the Time of his Riſing; double the Time of his Setting, the Sum will be the Length of the Day; and double the Time of his Riſing, the Sum will be the Length of the Night. But if the Latitude of the Place, and Declination of the Sun, conſiſt of Degrees and Minutes, then a ſmall Allowance muſt be

Table of the Sun's semi-diurnal Arches, or Times of his visible half Tarriance above the Horizon. White

The Sun's Declination North.

Deg.	Lat. 55		Lat. 56		Lat 57		Lat. 58		Lat. 59		Lat 60	
	h.	m.	h.	m	h.	m.	h.	m.	h.	m.	h.	m.
0	6	4	6	4	6	4	6	4	6	4	6	4
1	6	9	6	10	6	10	6	10	6	11	6	11
2	6	15	6	16	6	16	6	17	6	17	6	18
3	6	21	6	22	6	22	6	23	6	24	6	25
4	6	27	6	28	6	29	6	30	6	31	6	32
5	6	32	6	34	6	35	6	36	6	38	6	39
7	6	38	6	40	6	41	6	43	6	44	6	46
8	6	44	6	46	6	48	6	49	6	51	6	53
9	6	50	6	52	6	54	6	56	6	58	7	1
9	6	56	6	58	7	1	7	3	7	5	7	8
10	7	2	7	5	7	7	7	10	7	13	7	16
11	7	8	7	10	7	14	7	17	7	20	7	23
12	7	15	7	18	7	21	7	34	7	27	7	31
13	7	21	7	24	7	28	7	31	7	35	7	39
14	7	28	7	31	7	3	7	39	7	43	7	47
15	7	34	7	39	7	42	7	46	7	51	7	56
16	7	41	7	45	7	49	7	54	7	59	8	4
17	7	48	7	52	7	57	8	1	8	7	8	13
18	7	55	8	0	8	5	8	10	8	16	8	22
19	8	2	8	7	8	13	8	19	8	25	8	32
20	8	10	8	15	8	21	8	28	8	35	8	42
21	8	18	8	24	8	30	8	37	8	45	8	53
22	8	26	8	32	8	39	8	47	8	55	9	4
23	8	34	8	41	8	49	8	57	9	6	9	16
24	8	43	8	51	8	59	9	8	9	18	9	29

be made for the Minutes in both Cases, which may be done by a Person of an ordinary Capacity by a mental Proportion only. Thus, to find the Time of the Sun's Rising and Setting at *Aberdeen* in *Scotland*, on the longest Day, the Latitude of that Place is accounted 57 Deg. 7 Min. North, and the Sun's Declination 23 Deg. 29 Min. likewise North. By these you will find by the Table, that 4 Min. for the Sun's Declination, and

A Table of the Sun's semi-diurnal Arches, or Times of his visible half Tarriance above the Horizon. White.

The Sun's Declination South.

Deg.	Lat. 55		Lat. 56		Lat. 57		Lat. 58		Lat. 59		Lat. 60	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
0	6		6		6	4	6	4	6	4	6	4
1	5	58	5	58	5	58	5	58	5	57	5	57
2	5	52	5	52	5	52	5	51	5	51	5	50
3	5	47	5	46	5	45	5	45	5	44	5	43
4	5	41	5	40	5	39	5	38	5	37	5	36
5	5	35	5	34	5	33	5	32	5	31	5	29
6	5	29	5	27	5	27	5	25	5	24	5	22
7	5	23	5	21	5	20	5	19	5	17	5	15
8	5	17	5	16	5	14	5	12	5	10	5	8
9	5	12	5	10	5	8	5	5	5	3	5	2
10	5	5	5	3	5	1	4	59	4	56	4	53
11	4	59	4	57	4	54	4	52	4	49	4	46
12	4	53	4	51	4	48	4	45	4	42	4	38
13	4	47	4	44	4	41	4	38	4	34	4	30
14	4	41	4	37	4	34	4	30	4	27	4	23
15	4	34	4	31	4	27	4	23	4	19	4	14
16	4	27	4	24	4	20	4	15	4	11	4	6
17	4	21	4	17	4	12	4	8	4	3	3	57
18	4	14	4	9	4	5	4	0	3	54	3	48
19	4	7	4	2	3	56	3	51	3	45	3	39
20	3	59	3	51	3	49	3	43	3	36	3	29
21	3	52	3	46	3	40	3	34	3	27	3	19
22	3	44	3	38	3	31	3	24	3	17	3	9
23	3	36	3	29	3	23	3	15	3	6	2	57
24	3	27	3	20	3	13	3	5	2	55	2	45

and 1 Min. for the Latitude of the Place, are both to be added to 8 Hours 50 Min the Time belonging to 57 Deg. of Latitude, and 23 Deg. of North Declination, and the Sum will be 8 Hours 55 Min. the Time of his apparent Setting at *Aberdeen*, on the longeſt Day, whoſe Complement to 12 Hours, *viz.* 3 Hours 5 Min. will be the Time of his Riſing, *&c.*

le of the right Aſcenſions in Time, Semidiurnal Arches, ...rations, and Magnitudes of 30 remarkable fixed Stars, with their ...mes, and *Bayer*'s Literal References, as they ſtand in Mr. *Flamſteed*'s Catalogue. Exactly rectified to the Beginning of the Year 1761.

The Names of STARS.	Bay. Ch.	R. Aſcen h.	m.	ſ.	Semidiur. Arches. h.	m.	ſ.	Declination d.	m.	ſ.		
The Southern Star in Andromeda's Girdle, Mirach.	β	0	56	17	10	5	55	34	21	[illegible]	[illegible]	[illegible]
The bright one in her left Foot, Alamack.	γ	1	49	29	never ſets			41	10	47 N	[illegible]	[illegible]
The unformed Star above the Ram's Head.	α	1	53	47	8	9	2	23	[illegible]	[illegible]	[illegible]	[illegible]
In the Head of Meduſa, Algol.	β	2	52	45	never [illegible]			[illegible]	[illegible]	[illegible] N	[illegible]	3
In Perſeus's right Side,	α	3	7	28	never ſets			49	0	14 N	1	3
The Middle and brighteſt of the 7 Stars.	η	3	33	25	8	16	18	23	22	15 N	3	
The Bull's South Eye, Aldebaran.	α	4	22	18	7	28	41	16	0	58 N	1	
In the left Shoulder of Auriga, Capella.	α	4	59	9	never ſets			45	45	7 N	1	
The leſt Foot of Orion, Rigel.	β	5	3	8	5	20	25	8	29	30 S	1	
The middle Star in his Girdle.	ε	5	24	9	5	56	43	1	22	22 S	2	
In his right Shoulder, Betelgeuſe.	α	5	42	18	6	41	2	7	20	42 N	1	
In the great Dog's Mouth, Sirius.	α	6	34	45	4	37	18	16	22	24 S	1	
In the Head of the 1ſt Twin, Caſtor and Apollo.	α	7	19	27	9	38	59	32	23	33 N	1	
In the leſſer Dog's Thigh, Procyon.	α	7	26	54	6	33	15	5	50	22 N	1	2
In the Head of the 2d Twin, Pollux or Hercules.	β	7	30	49	8	58	47	28	35	13 N	2	
Hydra's Heart, Alphard.	α	9	15	53	5	24	52	7	38	20 S	2	
The Lion's Heart, Regulus.	α	9	55	44	7	12	2	13	6	50 N	1	
In the Lion's Tail, Deneb.	β	11	37	0	7	27	58	15	53	32 N	1	2
In the Virgin's right Wing, Vindemiatrix.	ε	12	50	24	7	7	9	12	13	45 N	3	
In her Left-hand, Ariſta.	α	13	12	44	5	12	57	9	55	14 S	1	
Between the Thighs of Boötes, Arcturus.	α	14	4	54	7	56	23	20	28	0 N	1	
In the Southern Scale of Libra.	α	14	37	51	4	44	57	15	2	42 S	2	
In the Northern Scale of Libra.	β	15	4	19	5	20	23	8	30	0 S	2	
The Bright Star in the Northern Crown.	α	15	24	40	8	49	13	27	31	8 N	2	3
The Scorpion's Heart, Antares.	α	16	14	55	3	34	35	25	53	14 S	1	
In the Head of Serpentarius.	α	17	23	52	7	9	58	12	44	23 N	2	
Bright Star in the Harp, Lyra.	α	18	28	52	never ſets			38	34	4 N	1	
Bright Star in the Eagle, Atair.	α	19	39	6	6	45	44	8	14	43 N	1	2
In the Mouth of the Southern Fiſh, Fomalhaut.	α	22	44	23	2	51	22	30	52	2 S	2	1
In the Wing of Pegaſus, Markab.	α	22	52	54	7	16	35	13	55	16 N	2	

A Table of the Sun's right Aſcenſion in Time, exactly calculated according to the greateſt Obliquity of the Ecliptic 23 Deg. 29 Min

Day	♈			♉			♊			♋			♌			♍		
	h.	m.	f.	h.	m.	f.	h.	m.	f.	h.	m.	f.	h.	m.	f.	h.	m.	f.
1	0	0	0	1	51	37	3	51	14	6	0	0	8	8	46	10	8	23
2	0	3	40	1	55	26	3	55	25	6	4	22	8	12	55	10	12	12
3	0	7	20	1	59	16	3	59	35	6	8	43	8	17	4	10	16	1
4	0	11	0	2	3	7	4	3	47	6	13	5	8	21	12	10	19	49
5	0	14	41	2	6	58	4	7	59	6	17	26	8	25	20	10	23	36
6	0	18	21	2	10	50	4	12	12	6	21	48	8	29	26	10	27	23
7	0	22	2	2	14	43	4	16	25	6	26	9	8	33	32	10	31	9
8	0	25	42	2	18	36	4	20	40	6	30	30	8	37	38	10	34	55
9	0	29	23	2	22	30	4	24	54	6	34	51	8	41	42	10	38	40
10	0	33	4	2	26	24	4	29	9	6	39	11	8	45	46	10	42	23
11	0	36	47	2	30	20	4	33	25	6	43	32	8	49	49	10	46	10
12	0	40	26	2	34	16	4	37	41	6	47	52	8	53	52	10	49	54
13	0	44	8	2	38	12	4	41	58	6	52	12	8	57	55	10	53	37
14	0	47	49	2	42	9	4	46	16	6	56	31	9	1	54	10	57	21
15	0	51	31	2	46	8	4	50	33	7	0	50	9	5	54	11	1	4
16	0	55	14	2	50	6	4	54	51	7	5	9	9	9	54	11	4	46
17	0	58	56	2	54	6	4	59	10	7	9	27	9	13	52	11	8	29
18	1	2	39	2	58	6	5	3	29	7	13	44	9	17	51	11	12	11
19	1	6	23	3	2	7	5	7	48	7	18	2	9	21	48	11	15	52
20	1	10	6	3	6	8	5	12	8	7	22	19	9	25	44	11	19	34
21	1	13	50	3	10	11	5	16	28	7	26	35	9	29	40	11	23	15
22	1	17	35	3	14	14	5	20	49	7	30	51	9	33	36	11	26	56
23	1	21	20	3	18	18	5	25	9	7	35	6	9	37	30	11	30	37
24	1	25	5	3	22	22	5	29	30	7	39	20	9	41	24	11	34	18
25	1	28	51	3	26	28	5	33	51	7	43	35	9	45	17	11	37	8
26	1	32	37	3	30	34	5	38	12	7	47	48	9	49	10	11	41	39
27	1	36	24	3	34	40	5	42	34	7	52	1	9	53	2	11	45	19
28	1	40	11	3	38	48	5	46	55	7	56	13	9	56	53	11	49	0
29	1	43	59	3	42	56	5	51	17	8	0	25	10	0	44	11	52	40
30	1	47	48	3	47	5	5	55	38	8	4	35	10	4	34	11	56	30
31	1	51	37	3	51	14	6	0	0	8	8	46	10	8	23	12	0	0

ble of the Sun's right Ascension in Time, exactly calcu
ccording to the greatest Obliquity of the Ecliptic 23 Deg. 29 Min.

Day	♎			♏			♐			♑			♒			♓		
	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.
0	12	0	0	13	51	37	15	51	14	18	0	0	20	8	36	23	8	13
1	12	3	40	13	55	26	15	55	25	18	4	22	20	12	55	23	12	11
2	12	7	20	13	59	16	15	59	35	18	8	43	20	17	15	23	16	8
3	12	11	0	14	3	17	16	3	47	18	13	5	20	21	12	23	20	7
4	12	14	41	14	6	58	16	7	59	18	17	26	20	25	30	23	24	5
5	12	18	21	14	10	50	16	12	12	18	21	48	20	30	28	23	28	3
6	12	22	2	14	14	43	16	16	25	18	26	9	20	33	32	23	32	0
7	12	25	42	14	18	36	16	20	40	18	30	30	20	37	38	23	35	57
8	12	29	23	14	22	30	16	24	54	18	34	51	20	41	45	23	39	54
9	12	33	4	14	26	24	16	29	9	18	39	11	20	45	50	23	43	51
10	12	36	45	14	30	20	16	33	25	18	43	32	20	49	49	23	46	50
11	12	40	26	14	34	16	16	37	41	18	47	52	20	53	58	23	49	54
12	12	44	8	14	38	12	16	41	58	18	52	12	20	57	53	23	53	57
13	12	47	49	14	42	9	16	46	16	18	56	31	21	1	54	23	57	51
14	12	51	31	14	46	8	16	50	33	19	0	50	21	5	54	24	1	4
15	12	55	14	14	50	6	16	54	51	19	5	9	21	9	54	24	4	46
16	12	58	56	14	54	6	16	59	10	19	9	27	21	13	52	24	8	29
17	13	2	39	14	58	6	17	3	29	19	13	44	21	17	51	24	12	11
18	13	6	23	15	2	7	17	7	48	19	18	2	21	21	48	24	15	52
19	13	10	6	15	6	8	17	12	8	19	22	19	21	25	44	24	19	34
20	13	13	50	15	10	11	17	16	28	19	26	35	21	29	40	24	23	15
21	13	17	35	15	14	14	17	20	49	19	30	51	21	33	36	24	26	56
22	13	21	20	15	18	18	17	25	9	19	35	6	21	37	30	24	30	37
23	13	25	5	15	22	22	17	29	30	19	39	20	21	41	24	24	34	18
24	13	28	51	15	26	28	17	33	51	19	43	35	21	45	17	24	37	58
25	13	32	37	15	30	34	17	38	12	19	47	48	21	49	10	24	41	39
26	13	36	24	15	34	40	17	42	34	19	52	1	21	53	2	24	45	19
27	13	40	11	15	38	48	17	46	55	19	56	13	21	56	53	24	49	0
28	13	43	59	15	42	56	17	51	17	20	0	25	22	0	44	24	52	40
29	13	47	48	15	47	5	17	55	38	20	4	37	22	4	34	24	56	20
30	13	51	37	15	51	14	18	0	0	20	8	46	22	8	23	25	0	0

The Use of the Table of the fixed Stars, and of the Sun's right Ascension in Time.

THE Time of the Southing or Meridian Transits of the tabulated fixed Stars, may be very exactly found after this Manner:

On the Noon of the Day, preceding the Night, in which you desire to know the Time of the Southing of any of these Stars, find by the EPHEMERIS the *Sun's* Place, and with it take out of the Table his right Ascension in Time. This you may do to a Minute by Inspection, which will be sufficient for your present Purpose: Then from the right Ascension of the Star, as it is placed in the Table, subtract the right Ascension of the *Sun*, the Remainder will be the estimate Time of the Star's Southing, and will not differ from the true Time above two or three Minutes at farthest, which may be near enough for ordinary Uses: But if Exactness is required, then reduce the *Sun's* Place to this estimate Time, and take out of the Table his right Ascension in Hours, Minutes, and Seconds, and Subtract it from that of the Star, the remaining Numbers will shew the true Time of the Star's Culmination or Southing. And if from the Time of the Star's Southing you subtract the semi-diurnal Arch belonging to it, the Remainder will be the Time of the Star's visible Rising; and being added to it, the Sum will be the Time of its visible Setting.

EXAMPLE of Aldebaran, January 10th, 1763.		d	m.
Place of the Sun at Noon	♑	20	6
	h	m.	s.
Right Ascension of Aldebaran, 24 hours added	28	22	18
Right Ascension of the Sun subtract	19	27	0
Estimate Time of the Southing of Aldebaran	8	55	18
Right Ascension of the Sun at that Time subtract	19	28	37
True Time of the Southing of Aldebaran	8	53	41
Semidiurnal Arch subtract and add	7	28	41
True Time of the visible Rising of Aldebaran	1	25	0
True Time of the visible Setting next Morning	4	22	22

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