

ASTRONOMICAL INFORMATION SHEET No. 78



Prepared by

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ASTRONOMICAL AND CALENDARIAL DATA SHEET FOR 2001

PHASES OF THE MOON

New Moon			First Quarter			Full Moon			Last Quarter		
d	h	m	d	h	m	d	h	m	d	h	m
Jan.	24	13	07	Jan.	2	22	31	Jan.	9	20	24
Feb.	23	08	21	Feb.	1	14	02	Feb.	8	07	12
Mar.	25	01	21	Mar.	3	02	03	Mar.	9	17	23
Apr.	23	15	26	Apr.	1	10	49	Apr.	8	03	22
May	23	02	46	Apr.	30	17	08	May	7	13	52
June	21	11	58	May	29	22	09	June	6	01	39
July	20	19	44	June	28	03	19	July	5	15	04
Aug.	19	02	55	July	27	10	08	Aug.	4	05	56
Sept.	17	10	27	Aug.	25	19	55	Sept.	2	21	43
Oct.	16	19	23	Sept.	24	09	31	Oct.	2	13	49
Nov.	15	06	40	Oct.	24	02	58	Nov.	1	05	41
Dec.	14	20	47	Nov.	22	23	21	Nov.	30	20	49
				Dec.	22	20	56	Dec.	30	10	40

SEASONS

		d	h	m
Vernal Equinox	— Spring begins	Mar.	20	13 31
Summer Solstice	— Summer begins	June	21	07 38
Autumnal Equinox	— Autumn begins	Sept.	22	23 04
Winter Solstice	— Winter begins	Dec.	21	19 21

SUMMER TIME

In the United Kingdom BST, one hour in advance of GMT, will be kept from March 25^d 01^h to October 28^d 01^h GMT.

ECLIPSES

1. A total eclipse of the Moon on January 9 is visible from the western half of Australia, Asia, Africa, Europe including the British Isles, Greenland, N. Canada and N. Alaska. The eclipse begins at 18^h 42^m and ends at 21^h 59^m. Totality lasts from 19^h 50^m to 20^h 52^m.
2. A total eclipse of the Sun on June 21. The path of totality begins in the South Atlantic Ocean, passes through Angola, Zambia, Zimbabwe, Mozambique, Madagascar and ends in the Indian Ocean. The partial phase is visible from central and eastern parts of S. America, S. Atlantic Ocean, Africa except the north and the central Indian Ocean. The eclipse begins at 09^h 33^m and ends at 14^h 34^m; the total phase begins at 10^h 37^m and ends at 13^h 30^m. The maximum duration of totality is 5^m 02^s.
3. A partial eclipse of the Moon on July 5 is visible from Antarctica, New Zealand, Australia, eastern and central Asia, E. Africa, the Hawaiian Islands and the central Pacific Ocean. The eclipse begins at 13^h 35^m and ends at 16^h 15^m. The time of maximum eclipse is 14^h 55^m, when 0.50 of the Moon's diameter is obscured.
4. An annular eclipse of the Sun on December 14 is visible as a partial eclipse from the Pacific Ocean, N.W. South America, Central America, U.S.A. and western and southern parts of Canada. The eclipse begins at 18^h 03^m and ends at 23^h 41^m. The annular phase begins at 19^h 08^m in the West Pacific Ocean, passes south of the Hawaiian Islands and continues across the central Pacific Ocean, through northern Costa Rica, southern Nicaragua and ends at 22^h 34^m in the Caribbean Sea. The maximum duration of the annular phase is 3^m 48^s.

All times are in GMT

CYH/SAB

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CALENDAR 2001

CHRONOLOGICAL CYCLES AND ERAS

Dominical Letter	G	Julian Period (year of)	6714
Epact	5	Roman Indiction	9
Golden Number (Lunar Cycle)	VII	Solar Cycle	22

Era	Year	Begins	Era	Year	Begins
Byzantine	7510	Sept. 14	Grecian (Seleucidæ)	2313	Sept. 14
Roman (AUC)	2754	Jan. 14			(or Oct. 14)
Nabonassar	2750	Apr. 23	Indian (Saka)	1923	Mar. 22
Japanese	2661	Jan. 1	Diocletian	1718	Sept. 11

RELIGIOUS CALENDARS

Epiphany	Jan. 6	Low Sunday	Apr. 22
Septuagesima Sunday	Feb. 11	Rogation Sunday	May 20
Quinquagesima Sunday	Feb. 25	Ascension Day—Holy Thursday	May 24
Ash Wednesday	Feb. 28	Whit Sunday—Pentecost	June 3
Quadragesima Sunday	Mar. 4	Trinity Sunday	June 10
Fourth Sunday in Lent—Mothering Sunday	Mar. 25	Corpus Christi	June 14
Palm Sunday	Apr. 8	First Sunday in Advent	Dec. 2
Good Friday	Apr. 13	Christmas Day (Tuesday)	Dec. 25
Easter Day	Apr. 15		
First Day of Passover (Pesach)	Apr. 8	Day of Atonement (Yom Kippur)	Sept. 27
Feast of Weeks (Shavuot)	May 28	First day of Tabernacles (Succoth)	Oct. 2
Jewish New Year (Rosh Hashanah)	5762 Sept. 18		
Islamic New Year	1422 Mar. 26	First day of Ramadân	Nov. 17

All Jewish and Islamic dates above are tabular dates, which begin at sunset on the previous evening and end at sunset on the date tabulated. In practice, the dates of Islamic fasts and festivals are determined by an actual sighting of the appropriate new Moon.

CIVIL CALENDAR—UNITED KINGDOM

Accession of Queen Elizabeth II	Feb. 6	Coronation Day	June 2
St David (Wales)	Mar. 1	Birthday of Prince Philip, Duke of Edinburgh	June 10
Commonwealth Day	Mar. 12	The Queen's Official Birthday	June 16
St Patrick (Ireland)	Mar. 17	Remembrance Sunday	Nov. 11
Birthday of Queen Elizabeth II	Apr. 21	Birthday of the Prince of Wales	Nov. 14
St George (England)	Apr. 23	St Andrew (Scotland)	Nov. 30

*Date subject to confirmation

HOLIDAYS IN THE UNITED KINGDOM

The following list contains bank holidays, (compiled from the *Banking and Financial Dealings Act 1971*), common law holidays and days to be given in lieu for holidays which fall on a weekend. Dates given in *italic* are those which are subject to Royal proclamation. There is no statutory requirement for a day to be given in lieu if one of the days falls at the weekend and is not covered by the act. In such cases probable dates are given in *italic* when they have not yet been authorised. Consult The Department of Trade and Industry (www.dti.gov.uk/er/bankhol.htm) or the Scottish Executive (telephone 0131 244 2180) or www.scotland.gov.uk/faq/bankhol.asp for the latest details.

	England and Wales	Northern Ireland	Scotland
New Year	Jan. 1	Jan. 1	Jan. 1 Jan. 2
St Patrick	—	Mar. 17# Mar. 19	—
Good Friday	Apr. 13 ‡	Apr. 13 ‡	Apr. 13
Easter Monday	Apr. 16	Apr. 16	—
May Day	May 7	May 7	May 28
Spring	May 28	May 28	May 7
Battle of the Boyne	—	July 12	—
Summer	Aug. 27	Aug. 27	Aug. 6
Christmas	Dec. 25 ‡	Dec. 25 ‡	Dec. 25
Boxing Day	Dec. 26	Dec. 26	Dec. 26

‡ Common Law Holiday

Holiday falls on a Saturday

‡ Holiday falls on a Sunday

Warning: Clauses in the *Banking and Financial Dealings Act* allow the Government to add and alter dates at short notice.