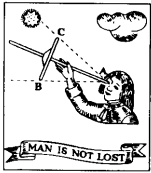


RGO ASTRONOMICAL INFORMATION SHEET No. 57



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for the Particle Physics and Astronomy Research Council

ASTRONOMICAL AND CALENDARIAL DATA SHEET FOR 1994

PHASES OF THE MOON

New Moon			First Quarter			Full Moon			Last Quarter		
	d	h	m		d	h	m		d	h	m
Jan.	11	23	10	Jan.	19	20	27	Jan.	27	13	23
Feb.	10	14	30	Feb.	18	17	47	Feb.	26	01	15
Mar.	12	07	05	Mar.	20	12	14	Mar.	27	11	09
Apr.	11	00	17	Apr.	19	02	34	Apr.	25	19	45
May	10	17	07	May	18	12	50	May	25	03	39
June	9	08	26	June	16	19	56	June	23	11	33
July	8	21	37	July	16	01	12	July	22	20	16
Aug.	7	08	45	Aug.	14	05	57	Aug.	21	06	47
Sept.	5	18	33	Sept.	12	11	34	Sept.	19	20	00
Oct.	5	03	55	Oct.	11	19	17	Oct.	19	12	18
Nov.	3	13	35	Nov.	10	06	14	Nov.	18	06	57
Dec.	2	23	54	Dec.	9	21	06	Dec.	18	02	17

SEASONS

			d	h	m
Vernal Equinox	—	Spring begins	Mar.	20	20 28
Summer Solstice	—	Summer begins	June	21	14 48
Autumnal Equinox	—	Autumn begins	Sept.	23	06 19
Winter Solstice	—	Winter begins	Dec.	22	02 23

SUMMER TIME

In the United Kingdom BST, one hour in advance of GMT, will be kept from March 27^d 01^h to October 23^d 01^h GMT.

ECLIPSES

1. An annular eclipse of the Sun on May 10 is visible from the extreme north-east Asia, North and Central America, West Indies, arctic regions, Greenland, Iceland, Europe except the south-east but including the British Isles, north-west Africa and north-west U.S.S.R. The eclipse begins at 14^h 12^m and ends at 20^h 11^m. The annular phase begins at 15^h 23^m in the Pacific Ocean crosses North America and ends at 19^h 00^m in the extreme north-west of Africa.
2. A partial eclipse of the Moon on May 25 is visible from Africa, Europe except the north-east but including the British Isles, southern tip of Iceland, southern tip of Greenland, Antarctica and the Americas except the north-west and extreme north. The eclipse begins at 02^h 39^m and ends at 04^h 23^m. The time of maximum eclipse is 03^h 31^m when 0.24 of the Moon's diameter is obscured.
3. A total eclipse of the Sun on November 3. The path of totality begins in the eastern Pacific Ocean, crosses southern Peru, Bolivia, Paraguay, Brazil, South Atlantic Ocean and ends in the Indian Ocean south of Madagascar. The partial phase is visible from Central and South America, part of Antarctica, south of Africa and Madagascar. The eclipse begins at 11^h 05^m and ends at 16^h 13^m; the total phase begins at 12^h 03^m and ends at 15^h 15^m. The maximum duration of totality is 4^m 28^s.

All times are in GMT

*Subject to confirmation

AFS/CYH

1989 May

Updated 1994 February

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CALENDAR 1994

CHRONOLOGICAL CYCLES AND ERAS

Dominical Letter	B	Julian Period (year of)	6707		
Epact	17	Roman Indiction	2		
Golden Number (Lunar Cycle)	XIX	Solar Cycle	15		
Era	Year	Begins	Era	Year	Begins
Byzantine	7503	Sept. 14	Grecian (Seleucidæ)	2306	Sept. 14
Roman (AUC)	2747	Jan. 14			(or Oct. 14)
Nabonassar	2743	Apr. 25	Indian (Saka)	1916	Mar. 22
Japanese	2654	Jan. 1	Diocletian	1711	Sept. 11

RELIGIOUS CALENDARS

Epiphany	Jan. 6	Low Sunday	Apr. 10
Septuagesima Sunday	Jan. 30	Rogation Sunday	May 8
Quinquagesima Sunday	Feb. 13	Ascension Day—Holy Thursday	May 12
Ash Wednesday	Feb. 16	Whit Sunday—Pentecost	May 22
Quadragesima Sunday	Feb. 20	Trinity Sunday	May 29
Fourth Sunday in Lent—Mothering Sunday	Mar. 13	Corpus Christi	June 2
Palm Sunday	Mar. 27	First Sunday in Advent	Nov. 27
Good Friday	Apr. 1	Christmas Day (Sunday)	Dec. 25
Easter Day	Apr. 3		
First Day of Passover (Pesach)	Mar. 27	Day of Atonement (Yom Kippur)	Sept. 15
Feast of Weeks (Shavuot)	May 16	First day of Tabernacles (Succoth)	Sept. 20
Jewish New Year (Rosh Hashanah)	5755 Sept. 6		
First day of Ramadân	Feb. 12	Islamic New Year	1415 June 10

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. 14	The Queen's Official Birthday	June 11
St Patrick (Ireland)	Mar. 17	Remembrance Sunday	Nov. 13
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 by Royal proclamation. RGO Astronomical Information Sheet No. 69 contains a summary of the bank holiday rules.

	England and Wales		Northern Ireland		Scotland	
New Year	Jan. 1#	Jan. 3	Jan. 1#	Jan. 3	Jan. 1#	Jan. 3, Jan. 2†, Jan. 4
St Patrick	—	—	Mar. 17	—	—	—
Good Friday	Apr. 1‡	—	Apr. 1‡	—	Apr. 1	—
Easter Monday	Apr. 4	—	Apr. 4	—	—	—
May Day	May 2	—	May 2	—	May 30	—
Spring	May 30	—	May 30	—	May 2	—
Battle of the Boyne	—	—	<i>July 12</i>	—	—	—
Summer	Aug. 29	—	Aug. 29	—	Aug. 1	—
Christmas	Dec. 25‡†	<i>Dec. 27</i>	Dec. 25‡†	<i>Dec. 27</i>	Dec. 25†	<i>Dec. 26</i>
Boxing Day	Dec. 26	—	Dec. 26	—	<i>Dec. 27</i>	—

‡ 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 alter dates at short notice.