

# ALMANAC

All times U.T for B.S.T. Add one hour

Rise and set times are for Worthing

## January / February

### LUNAR

#### January

		Rise	Set
Full Moon	21st 05.17	15.59	07.53
Perigee	21st 19.59	357,344 km	
Last quarter	27th 21.12	23.52	11.08

#### February

New Moon	4th 21.05	07.33	16.25
Apogee	5th 09.30	406,555 km	
First quarter	12th 22.27	10.39	01.08
Perigee	19th 09.04	356,761 km	
Full Moon	19th 15.55	17.30	07.15

### EARTH

#### January

	Sunrise	Sunset
21st	07.51	16.32
27th	07.44	16.42

#### February

4th	07.32	16.56
12th	07.19	17.10
19th	07.05	17.22

### PLANETS

(As at January 17th)

	Rises	Sets	Mag
<b>Mercury</b>	07.40	15.28	-0.8
Bright morning object, it will become an evening object in February			
<b>Venus</b>	04.24	13.16	-4.4
Very bright morning object in the south-east just past elongation			
<b>Mars</b>	10.28	23.16	+0.7
Bright evening object in Pisces, visible until late evening			
<b>Jupiter</b>	05.03	13.15	-1.8
Very bright pre-dawn object in the south-east, currently in Ophiuchus			
<b>Saturn</b>	07.08	15.14	+0.5
Morning object in Sagittarius becoming visible in February			
<b>Uranus</b>	11.04	01.00	+5.8
Evening object in Pisces-Aries border region, visible until after midnight			
<b>Neptune</b>	09.49	20.46	+7.9
Evening object in Aquarius, visible until mid-evening			

### PHENOMENA

#### January

#### Day Hour

21st	05	Total lunar eclipse
22nd	06	Jupiter 2° S of Venus
30th	03	Mercury at superior solar conjunction
30th	24	Jupiter 3° S of Moon
31st	18	Venus 0.1° S of Moon

#### February

2nd	07	Saturn 0.6° S of Moon
5th	07	Mercury 0.2° N of Moon
5th	09	Greatest lunar apogee of 2019
7th	08	Neptune 3° N of Moon
10th	20	Mars 7° N of Moon
13th	20	Uranus 1° S of Mars
18th	14	Saturn 1° S of Venus
19th	09	Greatest lunar perigee (closest) of 2019
19th	11	Neptune 0.8° S of Mercury

### Minima of Algol

<b>January</b>	18th 00.48	20th 21.42	23rd 18.30
<b>February</b>	4th 05.48	7th 02.36	9th 23.24
	12th 20.12	15th 17.00	

### Lunar Occultations Times as at Greenwich U.T.

#### Date Z.C. No Mag Phase U.T.

#### January

19th	894	4.4	Diss	02.31
20th	1077	4.0	Diss	05.01
30th	2361	4.2	Reapp	05.58

#### February

2nd	Saturn	0.6	Reapp	06.31
11th	364	4.3	Diss	15.48
11th	364	4.3	Reapp	17.02
13th	650	5.6	Diss	23.19
18th	1310	3.9	Diss	05.53

Richard Godley