

# ALMANAC

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

Rise and set times are for Worthing

## PHENOMENA

June / July

### LUNAR

June	Date	Time	Rise	Set
Last quarter	17th	11.33	00.18	11.35
<i>Perigee</i>	23rd	10.52	357,937 km	
New Moon	26th	01.21	06.55	22.01

### July

First quarter	1st	00.51	12.45	00.02
<i>Apogee</i>	6th	00.00	405,934 km	
Full Moon	9th	04.07	20.14	04.19
Last quarter	16th	19.46	23.40	11.46
<i>Perigee</i>	21st	04.28	361,236 km	

### EARTH

June	Sunrise	Sunset
17th	03.46	20.16
26th	03.48	20.18

### July

1st	03.51	20.17
9th	03.58	20.13
16th	04.05	20.07

### PLANETS

(As at June 22nd)

	Rises	Sets	Mag
<b>Mercury</b>	03.41	20.24	-2.6
Evening object, observable from early July and becoming easier			
<b>Venus</b>	01.40	16.09	-4.7
Very bright morning object in the pre-dawn sky			
<b>Mars</b>	04.30	21.03	+1.6
Still an evening object, but now setting too soon after the Sun			
<b>Jupiter</b>	13.03	00.35	-2.1
Very bright evening object in Virgo, visible until after midnight			
<b>Saturn</b>	19.23	03.39	+0.8
Evening object in Ophiuchus, visible for most of the night			
<b>Uranus</b>	00.47	14.36	+5.9
Difficult morning object in Pisces			
<b>Neptune</b>	23.29	10.30	+7.9
Difficult morning object in Aquarius, now rising before midnight			

June

Day	Hour	
15th	10	Saturn at opposition
19th	16	Uranus 4° N of Moon
20th	21	Venus 2° N of Moon
21st	04	Summer solstice
21st	14	Mercury at superior conjunction
24th	20	Mars 4° N of Moon
28th	18	Mars 1° S of Mercury

July

1st	07	Jupiter 3° S of Moon
3rd	20	Earth at aphelion
7th	03	Saturn 3° S of Moon
16th	24	Uranus 4° N of Moon
20th	11	Venus 3° N of Moon

### Minima of Algol

June	14th	23.12	17th	20.00
July	2nd	04.06	5th	00.54
	7th	21.42		

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

Date	Z.C. No	Mag	Phase	U.T.
June				
15th	3206	5.1	Reapp	03.24
22nd	Aldebaran	0.9	Diss	15.19
22nd	Aldebaran	0.9	Reapp	16.12

July

14th	3421	4.9	Reapp	00.47
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Richard Godley