

ALMANAC

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

Rise and set times are for Worthing

September / October

LUNAR

September

New Moon	20th	05.30	05.53	18.29
Apogee	27th	06.50	404,348 km	
First quarter	28th	02.54	14.00	22.47

October

Full Moon	5th	18.40	17.49	05.06
Perigee	9th	05.55	366,855 km	
Last quarter	12th	12.25	22.56	13.31
New Moon	19th	19.12	05.52	17.22

EARTH

September Sunrise Sunset

20th	05.43	18.04
28th	05.56	17.46

October

5th	06.07	17.30
12th	06.18	17.15
19th	06.30	17.00

PLANETS

(As at September 21st)

	Rises	Sets	Mag
Mercury	04.18	17.45	-2.6

Bright morning object, visible pre-dawn until the end of this month

Venus	03.08	17.17	-4.1
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Very bright morning object in the pre-dawn sky, elongation decreasing

Mars	03.57	17.34	+1.7
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Now a morning object in Leo, and perhaps visible before sunrise

Jupiter	08.16	18.55	-1.7
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Evening object in Virgo, but sinking fast into the sunset so unlikely to be seen now

Saturn	13.16	21.26	+1.1
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Evening object in Ophiuchus, visible until mid-evening

Uranus	18.46	08.37	+5.7
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Difficult morning object in Pisces, now already rising in the early evening

Neptune	17.28	04.21	+7.8
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Difficult evening object in Aquarius, but visible for most of the night

PHENOMENA

September

Day	Hour	
16th	18	Mars 0.1° S of Mercury
18th	01	Venus 0.6° N of Moon
18th	20	Mars 0.1° S of Moon
18th	23	Mercury occulted by Moon
22nd	08	Jupiter 4° S of Moon
22nd	20	Autumn equinox
26th	24	Saturn 3° S of Moon

October

5th	13	Mars 0.2° S of Venus
6th	16	Uranus 4° N of Moon
17th	10	Mars 2° S of Moon
18th	00	Venus 2° S of Moon
18th	15	Jupiter 1° N of Mercury
19th	17	Uranus at opposition
20th	03	Jupiter 4° S of Moon

Minima of Algol

September 26th 04.24 29th 01.12

October 1st 22.00 4th 18.54 16th 06.06
19th 02.54

Lunar Occultations Times as at Greenwich U.T.

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

September

17th	1375	5.4	Reapp	05.05
24th	2223	3.9	Diss	18.54
29th	2886	4.9	Diss	19.01

October

3rd	3421	4.9	Diss	22.11
10th	741	5.5	Reapp	03.16
14th	1337	5.7	Reapp	03.53
15th	1466	5.3	Reapp	06.35

Richard Godley