ALMANAC

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

Still a morning object in Virgo, and becoming more observable

Jupiter 05.43 15.38 -1.7

Now a morning object in Libra, becoming easily visible

09.57 18.03 +1.3 Early evening object in Ophiuchus, but fast disappearing into the sunset

15.01 04.44 +5.7

Difficult evening object in Aquarius, visible until after midnight

Evening object in Pisces, visible until towards dawn

Neptune 13.46 00.36 +7.9

<u>Saturn</u>

<u>Uranus</u>

PHENOMENA

All times U.1 for B.S.1. Add one nour					PHENOMENA							
Rise and set times are for Worthing					nber							
November / December					Hou	r						
	I	LUNAR		13th	06	Ju	piter 0.3	s° S of	Venus			
				15th	01	Ma	ars 3° S	of Mo	on			
November				16th	21	Ju	piter 4°	S of M	loon			
				17th	06	Ve	nus 4° S	S of M	oon			
New Moon	18th	11.42	06.56 16.44	21st	00	Sa	turn 3°	S of M	loon			
Apogee	21st	18.53	406,132 km	24th	00	Me	ercury a	t easte	ern elon	gation 2	22°	
First quarter	26th	17.03	12.57 23.16	28th	09	Sa	ıturn 3°	N of M	lercury	_		
•				30th	10		anus 4º					
December												
					December							
Full Moon	3rd	15.47	16.31 06.36									
Perigee	4th	08.46	357,492 km	6th	12	Sa	ıturn 1º	N of M	lercury			
Last quarter	10th	07.51	23.18 12.43	13th	00		eminid n			· peak		
New Moon	18th	06.30	07.46 16.29	13th	02		ercury a					
Apogee	19th	01.26	406,903 km	13th	16		ars 4° S					
1,12,322		••	,	14th	14		piter 4°					
	EARTI	Н		15th	16		nus 2º S					
				17th	09							
November Sunrise		ie.	Sunset	17th								
11010111111111	ou		5 411551	18th	13		iturn 3°					
18th	07.21		16.10	21st	16		inter sol		10011			
26th	07.21		16.02	2130	10	V V I	111101 301	Stice				
2011	07.00		10.02		Minima of Algol							
December	William of Algor											
3rd	07.43		15.57	Nover	nher	13th	22.18	16th	19.06	19th	15.54	
10th	07.51		15.55	11010			06.18		10.00	10111	10.01	
18th	07.58		15.55			2001	00.10					
1001	01.00		10.00	Decen	nher	1st	03.12	4th	00.00	6th	20.48	
				Doocii			17.36		08.06	21st	04.54	
PLANETS						Otti	17.00	1001	00.00	2100	04.04	
(As at November 16th)							Lunar	Occu	Itations	2		
					Times as at Greenwich U.T.							
	Rises	Sets	Mag									
<u>Mercury</u>		16.53		Date	Z.C.	No	M	ag F	hase	U.T.		
Currently visible, w					-							
after sunset	0E E0	15.46	4.0	Nover	nber							
Venus 05.58 15.46 -4.0 Very bright morning object in the pre-dawn sky, but soon becoming too												
close to the Sun for observation					3th 1644		4	.1	Reapp	01.35		
		14.55	+1.5	25th	318				Diss	20.13		
			aming mara abaanyahla	2011	4-		0	^	D:	20.10		

30th

2nd

5th

8th

December

170

462

947

Regulus

6.0

6.0

5.2

1.4

Diss

Diss

Reapp

00.24

04.17

03.19

Richard Godley

Reapp 22.13