

**PHENOMENA, 2024**  
**ELONGATIONS AND MAGNITUDES OF PLANETS AT 0<sup>n</sup> U.T.**

Date	Mercury		Venus		Date	Mercury		Venus								
	Elong.	Mag.	Elong.	Mag.		Elong.	Mag.	Elong.	Mag.							
Jan.	-4	W	10	2.6	W	38	-4.1	June	29	E	16	-0.7	E	7	-3.9	
	1		18	0.5		37	-4		July	4		20	-0.4		8	-3.9
	6		22	-0.1		36	-4			9		23	-0.2		9	-3.9
	11		23	-0.3		35	-4			14		25	0		11	-3.9
	16		23	-0.3		34	-4			19		27	0.2		12	-3.9
Feb.	21	W	22	-0.2	W	33	-4	Aug.	24	E	27	0.4	E	14	-3.9	
	26		20	-0.2		32	-3.9		29		26	0.7		15	-3.9	
	31		18	-0.3		31	-3.9		3		23	1.2		16	-3.8	
	5		16	-0.4		30	-3.9		8		18	2		18	-3.8	
	10		13	-0.5		29	-3.9		13		12	3.4		19	-3.8	
Mar.	15	W	10	-0.7	W	28	-3.9	Sept.	18	E	5	5.2	E	20	-3.8	
	20		7	-1		27	-3.9		23	W	8	4		22	-3.8	
	25	W	3	-1.5		26	-3.9		28		14	1.8		23	-3.8	
	1	E	2	-1.8		24	-3.9		2		17	0.3		24	-3.8	
	6		6	-1.6		23	-3.8		7		18	-0.6		25	-3.8	
Apr.	11	E	11	-1.3	W	22	-3.8	Oct.	12	W	16	-1	E	27	-3.9	
	16		15	-1.1		21	-3.8		17		12	-1.2		28	-3.9	
	21		18	-0.7		20	-3.8		22		8	-1.4		29	-3.9	
	26		19	-0.1		18	-3.8		27	W	4	-1.6		30	-3.9	
	31		17	1.1		17	-3.8		2	E	1	-1.6		32	-3.9	
Apr.	5	E	11	2.9	W	16	-3.8	Nov.	7	E	5	-1.2	E	33	-3.9	
	10	E	4	----		15	-3.8		12		8	-0.8		34	-3.9	
	15	W	5	5.2		13	-3.8		17		11	-0.6		35	-3.9	
	20		13	3.2		12	-3.8		22		14	-0.4		36	-4	
	25		19	1.9		11	-3.9		27		16	-0.3		37	-4	
May	30	W	23	1.1	W	10	-3.9	Dec.	1	E	19	-0.3	E	38	-4	
	5		26	0.7		8	-3.9		6		20	-0.3		39	-4	
	10		26	0.4		7	-3.9		11		22	-0.3		40	-4.1	
	15		26	0.1		6	-3.9		16		23	-0.3		41	-4.1	
	20		24	-0.1	W	4	-3.9		21		22	-0.2		42	-4.1	
June	25	W	21	-0.4	E	3	-3.9	Dec.	26	E	19	0.3	E	43	-4.2	
	30		17	-0.7		2	----		1		11	2.1		43	-4.2	
	4		13	-1.1		0	----		6	E	1	----		44	-4.2	
	9		7	-1.6		1	----		11	W	11	2.1		45	-4.3	
	14	W	1	-2.4		3	-4		16		18	0.2		46	-4.3	
June	19	E	5	-1.8	E	4	-3.9	Dec.	21	W	21	-0.3	E	46	-4.4	
	24		11	-1.1		5	-3.9		26		22	-0.4		47	-4.4	
	29	E	16	-0.7	E	7	-3.9		31		21	-0.4		47	-4.5	
									36	W	20	-0.3	E	47	-4.5	
Conjunction-	d	h	d	h	d	h	d	h	d	h	d	h	d	h		
Inferior: Apr.	1	1	23	...	...	...	Aug. 19	02	Dec. 06	02	...	...	...	...		
Superior: Feb.	28	09	...	Jun. 4	16	...	Jun. 14	17	Sep. 30	21	...	...	...	...		

N.B.- E. means that the planet is in the east of the Sun and W. means that it is in the west of the Sun by the amount of the arc stated.

**PHENOMENA, 2024**  
**ELONGATIONS AND MAGNITUDES OF PLANETS AT 0<sup>h</sup> UT**

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Date	Mars		Jupiter		Saturn		Uranus		Neptune		Pluto	
	Elong.	Mag.	Elong.	Mag.	Elong.	Mag.	Elong.	Mag.	Elong.	Mag.	Elong.	Mag.
Jan. -9	W	10	E	126	E	63	E.	140	E.	85	E	29
1		13		116		53		129		75		20
11		15		106		44		119		65		10
21		18		96		35		109		55	E	3
31		21		87		26		99		45	W	11
Feb. 10	W	23	E	78	E	17	E.	88	E.	35	W	20
20		26		69		8		79		26		30
Mar. 1		28		60		2		69		16		40
11		30		52		10		59	E.	6		50
21	W	32	E	44		19		49	W.	4	W	59
31		35		36		27		40		13		69
Apr. 10		37		29		36		31		22		79
20	W	39	E	21		45		21		32		88
30		41		14		54		12		41		98
May 10		43		6		62		3	E.	51		108
20		45	W	1		71		6	W	60	E	117
30	W	47		8		80		15	W.	69		127
June 9		49		15		90		24		79		137
19		51		23		99		33		88		146
29	W	53	W	30		108		42		98		156
July 9		56		37		118		51	W.	107	E	166
19		58		45		128		60		117		175
29	W	61	W	53		138		70		127		173
Aug 8		64		60		148		79		136		164
18		67		68		158		88		146		155
Sept 28	W	70	W	77		168		98	W.	156	E	145
7		74		85		177		108		166		135
17		77		94		171		117	W.	176		125
Oct. 27	W	82	W	103		160		127	E	174		115
7		86		113		150		137		164		105
17		91		123		139		148	E	154	E	96
Nov 27	W	97	W	133		129		158		144		86
6		103		144		119		168		133		76
16		111		155		109		179	W	123		66
26	W	119	W	166		99		171	E	113		56
Dec. 6		128		178		89		160	E	103	E	46
16		139	E	171		79		150		93		36
26	W	151		159		69		139		83		26
36		164		148		60		129	E	72	E	17
Conjunction:	d h		d h		d h		d h		d h		d h	
Opposition:	...		May 18 19		Feb 28 21		May 13 09		Mar. 17 11		Jan. 20 14	
	...		Dec. 7 21		Sep. 8 05		Nov.17 03		Sept.21 00		July 23 06	

Magnitudes at opposition: Uranus +5.7; Neptune +7.9; Pluto +14.4

N.B. - E. means that the planet is in the east of the Sun and W. means that it is in the west of the Sun by the amount of the arc stated.

## PHENOMENA, 2024

## CONJUNCTIONS, OPPOSITIONS ETC. OF PLANETS WITH THE SUN (IN LONGITUDE)

## UNIVERSAL TIME

## MERCURY

		d	h	m		d	h	m
Direct	Jan.	2	03	24	Aug.	28	21	08
Greatest elongation W	Jan.	12	14	37 (23°.5)	Sep.	5	02	30 (18°.0)
Heliacal setting W	Feb.	8	05	34	Sept.	19	3	59
Superior conjunction	Feb.	28	08	43	Sept.	30	21	11
Heliacal rising E.	Mar.	10	05	56	Oct.	23	09	43
Greatest elongation E.	Mar.	24	22	34 (18°.7)	Nov.	16	08	09 (22°.6)
Retrograde	Apr.	1	22	22	Nov.	26	02	25
Heliacal setting E	Apr.	5	19	28	Nov.	30	18	29
Inferior conjunction	Apr.	11	23	03	Dec.	6	02	18
Heliacal rising W.	Apr.	21	02	04	Dec.	10	09	32
Direct	Apr.	25	12	55	Dec.	15	21	13
Greatest elongation W.	May	9	21	29 (26°.4)	Dec.	25	02	30 (22°.0)
Heliacal setting W.	June	3	05	26				
Superior conjunction	June	14	16	33				
Heliacal rising E.	June	23	15	54				
Greatest elongation E.	July	22	06	39 (26°.9)	...	...	...	...
Retrograde	Aug.	5	04	52	...	...	...	...
Heliacal setting E.	Aug.	7	17	12	...	...	...	...
Inferior conjunction	Aug.	19	01	59	...	...	...	...
Heliacal rising W.	Aug.	25	06	49	...	...	...	...

## VENUS

		d	h	m		d	h	m
Heliacal setting W.	Apr	29	17	44				
Superior conjunction	Jun	04	15	32				
Heliacal rising E.	Jun	28	11	36				
Greatest elongation E.	...	...	...	...				
Retrograde	...	...	...	...				
Heliacal setting E	...	...	...	...	...	...	...	...
Inferior conjunction	...	...	...	...	...	...	...	...
Heliacal rising W.	...	...	...	...	...	...	...	...
Direct	...	...	...	...	...	...	...	...
Greatest elongation W.	...	...	...	...	...	...	...	...

## EARTH

		d	h	m		d	h	m		d	h	m	
Perihelion	Jan.	3	00	39	Equinoxes	Mar.	20	03	06	Sept.	22	12	44
Aphelion	July	5	05	06	Solstices	June	20	20	51	Dec.	21	09	20

## SUPERIOR PLANETS

## MARS

## JUPITER

## SATURN

		d	h	m		d	h	m		d	h	m
Heliacal setting E.					May	6	17	32	Feb.	15	06	57
Conjunction					May	18	18	45	Feb.	28	21	25
Heliacal rising W.	Jan.	14	08	33	Jun	3	01	31	Mar.	21	15	44
Retrograde	Dec	6	23	31	Oct	9	07	04	June	29	19	07
Opposition	...	...	...	...	Dec	7	20	58	Sep	8	04	35
Direct									Nov.	15	14	21

**PHENOMENA, 2024**

CONJUNCTIONS, OPPOSITIONS ETC. OF PLANETS WITH THE SUN (IN LONGITUDE)

UNIVERSAL TIME

SUPERIOR PLANETS

	URANUS			NEPTUNE			PLUTO					
		d	h	m		d	h	m		d	h	m
Conjunction	May	13	09	13	Mar.	17	11	22	Jan.	20	13	46
Retrograde	Sep	1	15	16	July	2	10	37	May	2	17	45
Opposition	Nov.	17	2	45	Sep	21	01	17	July	23	05	38
Direct	Jan.	27	07	35	Dec.	7	23	40	Oct.	12	00	27

N.B.- The heliacal risings and settings have been calculated for 23° 11' north latitude. Here E. means east of the Sun or the western horizon and W. means west of the Sun or the eastern horizon.

**PHENOMENA, 2024**

CONJUNCTION OF PLANETS WITH THE MOON AND OTHER PLANETS (IN LONGITUDE)

UNIVERSAL TIME

	d	h	m		d	h	m		
Jan.	8	18	44	Moon Conj. Venus	May	19	08	59	
	9	18	24	Moon Conj. Mercury		3	23	04	
	10	08	45	Moon Conj. Mars		5	02	17	
	14	10	50	Moon Conj. Saturn		6	05	57	
	18	19	05	Moon conj. Jupiter		7	14	04	
Feb.	27	14	59	Mercury Conj. Mars	8	16	30	Mercury Conj. Venus	
	7	20	12	Moon Conj. Venus	23	08	29	Moon conj. Jupiter	
	8	07	51	Moon Conj. Mars	31	08	24	Venus conj. Jupiter	
	8	23	25	Moon Conj. Mercury	Jun.	2	22	03	Moon Conj. Saturn
	11	01	44	Moon Conj. Saturn		4	10	23	Moon Conj. Mars
Mar.	15	06	31	Moon conj. Jupiter	5	12	49	Mercury conj. Jupiter	
	22	07	14	Venus conj. Mars	5	16	46	Moon conj. Jupiter	
	28	15	08	Mercury conj. Saturn	6	13	36	Moon Conj. Mercury	
	8	06	50	Moon Conj. Mars	17	12	42	Moon Conj. Venus	
	8	18	55	Moon Conj. Venus	27	14	57	Mercury Conj. Venus	
	9	18	22	Moon Conj. Saturn	July	1	16	19	Moon Conj. Saturn
	11	03	14	Moon Conj. Mercury		3	07	04	Moon Conj. Mars
13	23	13	Moon conj. Jupiter	6		16	27	Moon conj. Jupiter	
21	23	10	Venus conj. Saturn	7		20	23	Moon Conj. Venus	
Apr.	6	05	07	Moon Conj. Mars	24	20	31	Moon Conj. Mercury	
	6	10	09	Moon Conj. Saturn	30	9	01	Moon Conj. Saturn	
	7	16	21	Moon Conj. Venus	30	22	45	Moon Conj. Mars	
	9	2	38	Moon Conj. Mercury	Aug.	5	23	24	Moon conj. Jupiter
	10	19	19	Moon conj. Jupiter		6	5	20	Moon Conj. Venus
	10	20	36	Mars Conj. Saturn		8	3	12	Moon Conj. Mercury
								Mercury Conj. Venus	

**PHENOMENA, 2023 --- contd.**

## CONJUNCTION OF PLANETS WITH THE MOON AND OTHER PLANETS (IN LONGITUDE)

## UNIVERSAL TIME

d	h	m		d	h	m			
Aug.	14	15	22	Mars Conj. Jupiter	23	21	20	Moon Conj. Mars	
	21	02	45	Moon Conj. Saturn	Nov.	3	06	37	Moon Conj. Mercury
	27	11	50	Moon conj. Jupiter		4	23	51	Moon Conj. Venus
	28	00	00	Moon Conj. Mars		11	01	39	Moon Conj. Saturn
Sep.	1	12	37	Moon Conj. Mercury		17	14	07	Moon conj. Jupiter
	5	09	13	Moon Conj. Venus		20	22	15	Moon Conj. Mars
	17	10	10	Moon Conj. Saturn	Dec.	2	01	28	Moon Conj. Mercury
	23	22	39	Moon conj. Jupiter		4	23	34	Moon Conj. Venus
	25	12	40	Moon Conj. Mars		8	08	44	Moon Conj. Saturn
Oct'	2	22	22	Moon Conj. Mercury		14	18	43	Moon conj. Jupiter
	5	18	28	Moon Conj. Venus		18	09	13	Moon Conj. Mars
	14	18	08	Moon Conj. Saturn		29	08	29	Moon Conj. Mercury
	21	07	25	Moon conj. Jupiter					

## CONJUNCTIONS OF PLANETS WITH BRIGHT STARS (IN R.A.)

d	h	m		d	h	m			
Jan	6	08	12	Venus 6° .42N. of Antares	Aug.	11	22	09	Mercury 5° .53S. of Regulus
Jun.	1	16	52	Venus 5° .34N. of Aldebaran	Sep.	9	06	40	Mercury 0° .49N. of Regulus
Jun.	8	14	57	Mercury 5° .45N. of Aldebaran	Sep.	17	12	55	Venus 2° .63N. of Spica
Jun.	29	09	49	Mercury 4° .87S. of Pollux	Oct.	9	15	15	Mercury 2° .66N. of Spica
July	7	06	14	Venus 5° .68S. of Pollux	Oct.	21	06	01	Mars 5° .72S. of Pollux
July	13	06	57	Jupiter 4° .82N. of Aldebaran	Oct.	25	19	01	Venus 3° .11N. of Antares
July	27	12	13	Mercury 2° .64S. of Regulus	Nov.	10	04	07	Mercury 2° .02N. of Antares
Aug.	4	22	05	Venus 1° .09N. of Regulus	Dec.	10	11	11	Mercury 7° .12N. of Antares
Aug.	5	18	44	Mars 4° .99N. of Aldebaran	Dec.	22	00	05	Mercury 7° .09N. of Antares

UNIVERSAL TIME

	d	h	m			d	h	m			
Jan.	1	15	29	<i>Moon at Apogee</i>	Feb	28	21	25	Saturn in conjunction with Sun		
	2	04	06	Mercury Stationary in RA		Mar.	3	15	23	LAST QUARTER	
	3	00	52	Earth at Perihelion			8	05	00	Mars 3°.52N of Moon	
	4	03	30	LAST QUARTER			8	17	00	Venus 3°.28N of Moon	
	6	08	12	<i>Venus 6°.42N. of Antares</i>			8	17	35	Mercury 0° 2'N. of Neptune	
	8	20	10	Venus 5°.70N of Moon			9	17	28	Saturn 1°.52N of Moon	
	9	18	48	Mercury 6°.59N of Moon			10	07	04	Moon at Perigee	
	10	08	31	Mars 4°.16N of Moon			10	09	00	NEW MOON	
	11	11	57	NEW MOON			11	00	56	Neptune 0°.52N of Moon	
	12	14	37	Mercury Greatest elongation W			11	08	00	Mercury 1°.03N of Moon	
		13	10	36			Moon at Perigee	13	00	38	Mercury in Ascending node
		14	09	33			Saturn 2°.14N of Moon	14	01	03	Jupiter 3°.59S of Moon
	15	20	25	Neptune 0°.95N of Moon	14		11	35	Uranus 3°.44S of Moon		
	18	03	53	FIRST QUARTER	17	04	11	FIRST QUARTER			
	18	20	42	Jupiter 2°.77S of Moon	17	11	23	<i>Neptune in conjunction with Sun</i>			
	19	19	39	Uranus 2°.96S of Moon	17	16	36	Mercury in Perihelion			
	20	13	43	Pluto in conjunction with Sun	19	21	43	Venus in Aphelion			
	23	08	11	Mercury in Descending node	20	03	06	<i>Sun enter Vernal Equinox</i>			
	25	17	54	FULL MOON	22	02	00	Venus 0° 21' N. of Saturn			
	27	10	50	Uranus Stationary in RA	23	15	45	Moon at Apogee			
	27	16	07	<i>Mercury 0° 15' N. of Mars</i>	24	22	25	Mercury in Greatest Elongation (E) 18 4			
	27	7	1	Jupiter in Square with Sun	25	07	00	FULL MOON			
	29	08	15	Moon at Apogee	27	21	55	<i>Mercury greatest helio. lat N.</i>			
Feb	2	16	58	Mercury in Aphelion	Apr.	1	20	16	Mercury Stationary in RA		
	2	23	18	LAST QUARTER		2	03	15	LAST QUARTER		
	7	18	50	Venus 5°.43N of Moon		3	10	54	Venus 0° 17' S. of Neptune		
	8	06	30	Mars 4°.21N of Moon		6	03	51	Mars 1°.98N of Moon		
		8	21	59		Mercury 3°.22N of Moon	6	09	24	Saturn 1°.22N of Moon	
		8	10	4		06	7	08	11	Occultation <i>Neptune 0°.42N of Moon</i>	
		9	22	59		NEW MOON	7	16	38	Occultation Venus 0°.39S of Moon	
		10	18	53		Moon at Perigee	7	17	51	Occultation Moon at perigee	
		11	00	40		Saturn 1°.81N of Moon	8	18	21	NEW MOON : Solar Eclipse	
		12	06	45		Neptune 0°.68N of Moon	9	01	24	Mercury 2°.19N of Moon	
		13	23	39		Venus in Descending node	10	19	54	Venus greatest helio lat. S.	
		14	19	50		<i>Mars 1° 56' N. of Pluto</i>	10	21	09	Jupiter 3°.98S of Moon	
		15	08	16		Jupiter 3°.16S of Moon	10	23	51	Uranus 3°.55S of Moon	
	16	02	00	Uranus 3°.23S of Moon	11	03	13	<i>Mars 0° 29' N. of Saturn</i>			
	16	15	01	FIRST QUARTER	11	22	39	Mars greatest helio lat. S.			
	17	20	44	<i>Venus 2° 43' N. of Pluto</i>	11	23	03	<i>Mercury in inferior conjunction</i>			
	22	15	35	Venus 0° 38' N. of Mars	15	19	13	2° 13' 3 N of Sun			
	22	22	47	Mercury greatest helio lat. S.	18	22	40	FIRST QUARTER			
	24	12	30	FULL MOON	20	02	10	<i>Mercury 1° 58' N. of Venus</i>			
	25	14	59	Moon at Apogee	20	07	21	Moon at Apogee			
	28	08	40	Mercury in superior conjunction	20	07	21	Mercury in Descending node			
				<i>1° 49' .6 S of Sun</i>	20	07	36	<i>Jupiter 0° 32' S. of Uranus</i>			
	28	14	03	<i>Mercury 0° 12' S. of Saturn</i>	23	23	49	FULL MOON			
					24	08	25	Mercury Stationary in RA			

## UNIVERSAL TIME

	d	h	m			d	h	m	
Apr.	29	04	03	<i>Mars 0° 0' 2" S. of Neptune</i>	June	9	10	06	Saturn in Square with Sun
	30	16	15	<i>Mercury in Aphelion</i>		13	15	52	<i>Mercury in Perihelion</i>
May	1	11	27	LAST QUARTER		14	05	19	FIRST QUARTER
	3	22	32	Saturn 0°.84N of Moon <i>Occultation</i>		14	13	35	Moon at Apogee
	4	03	24	Pluto Stationary in RA		14	16	33	Mercury in superior conjunction <i>0° 56' .9 N of Sun</i>
	4	18	55	Neptune 0°.28N of Moon <i>Occultation</i>		17	12	39	<i>Mercury 0° 53' N. of Venus</i>
	5	02	25	Mars 0°.2S of Moon <i>Occultation</i>		20	20	51	<i>Sun enter Summer solstice</i>
	5	22	05	Moon at Perigee		20	18	03	Neptune in Square with Sun
	6	08	25	Mercury 3°.82S of Moon		22	01	08	FULL MOON
	7	16	03	Venus 3°.51S of Moon		23	21	10	Mercury greatest helio. lat N.
	8	03	22	NEW MOON		27	11	29	Moon at Perigee
	8	10	39	<i>Mars in Perihelion</i>		27	15	00	Saturn 0°.08S of Moon <i>Occultation</i>
	8	12	51	Uranus 3°.62S of Moon		28	08	56	Neptune 0°.30S of Moon <i>Occultation</i>
	8	18	14	Jupiter 4°.33S of Moon		28	21	53	LAST QUARTER
	9	21	37	Mercury in Greatest Elongation W(26°22')		29	09	49	<i>Mercury 4°.87S. of Pollux</i>
	13	09	13	Uranus in conjunction with Sun		30	21	17	Saturn Stationary in RA
	15	11	48	FIRST QUARTER	Jul	1	18	26	Mars 4°.09S of Moon
	17	18	60	Moon at Apogee		2	10	07	Uranus 3°.95S of Moon
	18	09	17	<i>Venus 0° 28' S. of Uranus</i>		3	03	02	Neptune Stationary in RA
	18	18	46	Jupiter in conjunction with Sun		3	08	28	Jupiter 5°.02S of Moon
	20	22	03	Mercury greatest helio lat. S.		5	05	01	<i>Earth at Aphelion</i>
	23	09	30	Venus 0° 12' N. of Jupiter		5	22	57	NEW MOON
	23	13	53	FULL MOON		6	15	04	Venus 3°.86S of Moon
	30	17	13	LAST QUARTER		7	06	14	<i>Venus 5°.68S. of Pollux</i>
	31	01	26	<i>Mercury 1° 21' S. of Uranus</i>		7	18	32	Mercury 3°.22S of Moon
	31	08	09	Saturn 0°.38N of Moon <i>Occultation</i>		10	05	02	<i>Venus in Perihelion</i>
Jun.	1	02	54	Neptune 0°.02 N of Moon <i>Occultation</i>		12	08	10	Moon at Apogee
	1	16	52	<i>Venus 5°.34N. of Aldebaran</i>		13	06	57	<i>Jupiter 4°.82N. of Aldebaran</i>
	2	07	17	Moon at Perigee		13	22	49	FIRST QUARTER
	2	23	37	Mars 2°.41S of Moon		15	09	24	<i>Mars 0° 33' S. of Uranus</i>
	4	10	04	<i>Mercury 0° 7' S. of Jupiter</i>		17	06	30	Mercury in Descending node
	4	15	32	<i>Venus in superior conjunction</i> <i>0° 3' .5 S of Sun</i>		21	10	17	FULL MOON
	5	00	37	Uranus 3°.74S of Moon		22	17	14	Mercury in Greatest Elongation E( 26°5')
	5	14	25	<i>Jupiter 4°.67S of Moon</i>		23	05	34	Pluto in opposition with Sun
	5	18	28	Mercury 4°.66S of Moon		24	05	41	Moon at Perigee
	6	03	08	Venus in Ascending node		24	20	46	Saturn 0°.39S of Moon <i>Occultation</i>
	6	12	38	NEW MOON		25	14	54	Neptune 0°.57S of Moon <i>Occultation</i>
	6	14	27	Venus 4°.54S of Moon		27	12	13	<i>Mercury 2°.64S. of Regulus</i>
	8	14	57	<i>Mercury 5°.45N. of Aldebaran</i>		27	15	29	<i>Mercury in Aphelion</i>
	8	23	54	Mercury in Ascending node		28	02	52	LAST QUARTER





## ASTRONOMICAL DIARY, 2024

## UNIVERSAL TIME

	d	h	m			d	h	m	
Nov	10	04	07	Mercury 2°.02N. of Antares	Dec.	7	20	58	Mars Stationary in RA
	11	01	43	Saturn 0°.09S of Moon <i>Occultation</i>		7	20	58	Jupiter in opposition with Sun
	12	02	25	Neptune 0°.62S of Moon <i>Occultation</i>		8	08	56	Saturn 0°.31S of Moon <i>Occultation</i>
	12	20	34	Mercury greatest helio lat. S.		8	11	01	Neptune Stationary in RA
	14	11	16	Moon at Perigee		8	15	27	FIRST QUARTER
	15	21	29	FULL MOON		9	09	19	Neptune 0°.83S of Moon <i>Occultation</i>
	16	01	13	Uranus 4°.36S of Moon		10	11	11	Mercury 7°.12N. of Antares
	16	05	56	Saturn Stationary in RA		12	13	22	Moon at Perigee
	16	08	09	Mercury in Greatest Elongation E(22°33')		13	09	34	Uranus 4°.35S of Moon
	17	02	44	Uranus in opposition with Sun		14	19	42	Jupiter 5°.47S of Moon
	17	14	53	Jupiter 5°.64S of Moon		15	09	02	FULL MOON
	20	21	09	Mars 2°.44S of Moon		15	21	30	Mercury Stationary in RA
	21	12	45	Venus greatest helio lat. S.		16	19	40	Mercury greatest helio. lat N.
	23	01	28	LAST QUARTER		18	08	48	Mars 0°.91S of Moon <i>Occultation</i>
	26	04	12	Mercury Stationary in RA		18	14	09	Neptune in Square with Sun
	26	11	56	Moon at Apogee		21	09	20	Sun enter Winter solstice
Dec	1	06	21	NEW MOON		22	00	05	Mercury 7°.09N. of Antares
	1	22	20	Mercury in Ascending node		22	22	18	LAST QUARTER
	2	02	09	Mercury 4°.95N of Moon		24	07	25	Moon at Apogee
	4	22	40	Venus 2°.26N of Moon		25	02	30	Mercury in Greatest Elongation W(22°2')
	4	16	09	Saturn in Square with Sun		29	04	22	Mercury 6°.39N of Moon
	6	14	23	Mercury in Perihelion		30	22	27	NEW MOON
	7	18	13	Venus 0°53' N. of Pluto					