

PHENOMENA, 2018

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

UNIVERSAL TIME

MERCURY

		d	h	m		d	h	m
Superior conjunction		...	...	...	June	6	02	02
Heliacal rising E.		...	...	...	June	14	18	03
Greatest elongation E.		...	...	...	July	12	05	29 (26°.4)
Retrograde		...	...	...	July	26	04	59
Heliacal setting E.		...	...	...	July	29	00	16
Inferior conjunction		...	...	...	Aug.	9	02	06
Heliacal rising W.		...	...	...	Aug.	15	17	31
Direct		...	...	...	Aug.	19	04	18
Greatest elongation W.	Jan.	1	19	58 (22°.7)	Aug.	26	20	34 (18°.3)
Heliacal setting W.	Jan.	28	09	51	Sept.	10	03	00
Superior conjunction	Feb.	17	12	24	Sept.	21	01	53
Heliacal rising E.	Mar.	1	02	28	Oct.	12	08	54
Greatest elongation E.	Mar.	15	15	10 (18°.4)	Nov.	6	15	32 (23°.3)
Retrograde	Mar.	23	00	26	Nov.	17	01	16
Heliacal setting E.	Mar.	26	18	46	Nov.	21	13	21
Inferior conjunction	Apr.	1	17	52	Nov.	27	09	15
Heliacal rising W.	Apr.	9	18	48	Dec.	1	18	22
Direct	Apr.	15	09	23	Dec.	6	21	38
Greatest elongation W.	Apr.	29	18	24 (27°.0)	Dec.	15	11	30 (21°.3)
Heliacal setting W.	May	24	12	43	...	...	...	...

VENUS

		d	h	m		d	h	m
Superior conjunction	Jan.	9	07	02	...	...	...	...
Heliacal rising E.	Feb.	4	00	15	...	...	...	...
Greatest elongation E.	Aug.	17	17	30 (45°.9)	...	...	...	...
Retrograde	Oct.	5	19	01	...	...	...	...
Heliacal setting E.	Oct.	16	11	14	...	...	...	...
Inferior conjunction	Oct.	26	14	16	...	...	...	...
Heliacal rising W.	Oct.	30	13	13	...	...	...	...
Direct	Nov.	16	10	52	...	...	...	...
Greatest elongation W.	...	...	...	...	...	...	...	...
Heliacal setting W.	...	...	...	...	...	...	...	...

EARTH

		d	h	m		d	h	m		d	h	m	
Perihelion	Jan.	3	05	35	Equinoxes	Mar.	20	16	16	Sept.	23	01	54
Aphelion	July	6	16	47	Solstices	June	21	10	07	Dec.	21	22	23

SUPERIOR PLANETS

MARS				JUPITER				SATURN				
		d	h	m		d	h	m		d	h	m
Conjunction		...	...	...	Nov.	26	06	33	...	...	...	...
Heliacal rising W.		...	...	...	Dec.	7	04	35	Jan.	5	05	46
Retrograde	June	26	21	03	Mar.	9	04	45	Apr.	18	01	47
Opposition	July	27	05	13	May	9	00	39	June	27	13	28
Direct	Aug.	27	14	05	July	10	17	03	Sept.	6	11	08
Heliacal setting E.		...	...	...	Nov.	13	10	23	Dec.	19	04	13

PHENOMENA, 2018

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	Apr.	18	14	00	Mar.	4	13	54	Jan.	9	09	30
Retrograde	Aug.	7	16	47	June	18	23	28	Apr.	22	15	24
Opposition	Oct.	24	00	46	Sept.	7	18	27	July	12	10	01
Direct	Jan.	2	14	13	Nov.	25	01	15	Oct.	1	02	03

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, 2018

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

UNIVERSAL TIME

	d	h	m		d	h	m		
Jan.	7	00	39	<i>Mars</i> conj. <i>Jupiter</i>	Apr.	17	22	05	
	11	08	22	Moon conj. <i>Jupiter</i>		30	19	11	Moon conj. <i>Jupiter</i>
	11	12	35	Moon conj. <i>Mars</i>	May	4	20	02	Moon conj. <i>Saturn</i>
	13	07	03	<i>Mercury</i> conj. <i>Saturn</i>		6	06	21	Moon conj. <i>Mars</i>
	15	01	49	Moon conj. <i>Saturn</i>		13	18	57	Moon conj. <i>Mercury</i>
Feb.	15	07	03	Moon conj. <i>Mercury</i>	17	18	17	Moon conj. <i>Venus</i>	
	17	06	30	Moon conj. <i>Venus</i>	27	19	48	Moon conj. <i>Jupiter</i>	
	7	21	57	Moon conj. <i>Jupiter</i>	June	1	00	53	Moon conj. <i>Saturn</i>
	9	06	40	Moon conj. <i>Mars</i>		3	10	22	Moon conj. <i>Mars</i>
	11	14	17	Moon conj. <i>Saturn</i>		14	13	01	Moon conj. <i>Mercury</i>
Mar.	15	18	06	Moon conj. <i>Mercury</i>	16	12	14	Moon conj. <i>Venus</i>	
	16	16	36	Moon conj. <i>Venus</i>	23	21	11	Moon conj. <i>Jupiter</i>	
	4	18	04	<i>Mercury</i> conj. <i>Venus</i>	28	03	34	Moon conj. <i>Saturn</i>	
	7	08	55	Moon conj. <i>Jupiter</i>	30	23	10	Moon conj. <i>Mars</i>	
	10	00	54	Moon conj. <i>Mars</i>	July	14	23	11	Moon conj. <i>Mercury</i>
	11	02	05	Moon conj. <i>Saturn</i>		16	04	35	Moon conj. <i>Venus</i>
	18	21	58	Moon conj. <i>Venus</i>		21	02	29	Moon conj. <i>Jupiter</i>
Apr.	18	23	47	Moon conj. <i>Mercury</i>	25	05	46	Moon conj. <i>Saturn</i>	
	20	04	02	<i>Mercury</i> conj. <i>Venus</i>	27	18	48	Moon conj. <i>Mars</i>	
	2	15	45	<i>Mars</i> conj. <i>Saturn</i>	Aug.	11	03	54	Moon conj. <i>Mercury</i>
	3	16	06	Moon conj. <i>Jupiter</i>		14	18	05	Moon conj. <i>Venus</i>
	7	12	19	Moon conj. <i>Saturn</i>		17	13	06	Moon conj. <i>Jupiter</i>
	7	17	42	Moon conj. <i>Mars</i>		21	09	34	Moon conj. <i>Saturn</i>
	14	12	12	Moon conj. <i>Mercury</i>		23	14	19	Moon conj. <i>Mars</i>

ASTRONOMICAL DIARY, 2018

UNIVERSAL TIME

	d	h	m		d	h	m		
Apr.	8	07	18	LAST QUARTER	June	2	16	35	Moon at apogee
	10	08	09	Moon in descending node		3	12	01	Mars 3°.2 S of Moon
	11	04	51	Pluto in square with Sun		3	12	38	Moon in descending node
	12	03	31	Venus in ascending node		4	01	16	Mercury 5°.9 N. of <i>Aldebaran</i>
	12	22	43	Neptune 1°.9 N of Moon		6	02	02	Mercury in superior conjunction
	13	01	53	Mercury in descending node					0° 44' N of Sun
	14	03	54	Mercury stationary in RA		6	10	14	Mercury at perihelion
	14	09	25	Mercury 3°.9 N of Moon		6	15	25	Venus greatest helio. lat N.
	16	01	57	NEW MOON		6	17	34	Neptune 2°.4 N of Moon
	16	03	06	Uranus 4°.6 N of Moon		6	18	32	LAST QUARTER
	16	14	27	Moon greatest lat. S 4° 58'		7	05	58	Neptune in square with Sun
	17	13	42	Saturn at aphelion		9	01	22	Venus 4°.8 S. of <i>Pollux</i>
	17	19	28	Venus 5°.4 N of Moon		10	03	15	Uranus 4°.9 N of Moon
	18	01	36	Saturn stationary in RA		10	07	57	Moon greatest lat. S 5° 04'
	18	13	60	Uranus in conjunction with Sun		13	19	43	NEW MOON
	20	14	41	Moon at perigee		14	13	15	Mercury 4°.6 N of Moon
	22	21	46	FIRST QUARTER		14	23	53	Moon at perigee
	23	02	07	Pluto stationary in RA		16	13	12	Venus 2°.3 N of Moon
	23	10	36	Mercury at aphelion		16	15	32	Mercury greatest helio. lat N.
	23	12	20	Moon in ascending node		16	17	52	Moon in ascending node
	26	00	00	Mars 1°.4 S. of Pluto		19	11	59	Neptune stationary in RA
	29	13	22	Moon greatest lat. N 4° 59'		20	10	51	FIRST QUARTER
	29	18	24	Mercury greatest elong. W. (27°.0)		21	10	07	<i>Summer solstice</i>
	30	00	58	FULL MOON		22	15	42	Moon greatest lat. N 5° 08'
	30	17	16	Jupiter 3°.8 S of Moon		23	18	48	Jupiter 4°.2 S of Moon
May	3	17	24	Venus 6°.5 N. of <i>Aldebaran</i>		25	15	58	Mercury 4°.9 S. of <i>Pollux</i>
	4	20	16	Saturn 1°.7 S of Moon		27	13	28	Saturn in opposition with Sun
	6	00	35	Moon at apogee		28	03	43	Saturn 1°.8 S of Moon
	6	07	25	Mars 2°.7 S of Moon		28	04	53	FULL MOON
	7	10	23	Moon in descending node		28	13	45	Mars stationary in RA
	8	02	09	LAST QUARTER		30	02	43	Moon at apogee
	9	00	39	Jupiter in opposition with Sun		30	16	46	Moon in descending node
	10	08	49	Neptune 2°.2 N of Moon	July	1	01	48	Mars 4°.8 S of Moon
	12	21	02	Mercury 2°.4 S. of Uranus		4	00	20	Neptune 2°.6 N of Moon
	13	15	12	Uranus 4°.7 N of Moon		6	07	51	LAST QUARTER
	13	16	39	Mercury greatest helio lat. S.		6	16	47	Earth at aphelion
	13	16	46	Moon greatest lat. S 4° 57'		7	11	37	Moon greatest lat. S 5° 15'
	13	17	20	Mercury 2°.4 N of Moon		7	13	39	Uranus 5°.0 N of Moon
	15	11	48	NEW MOON		9	20	07	Venus 1°.1 N. of <i>Regulus</i>
	15	23	03	Venus at perihelion		10	01	07	Mercury in descending node
	17	18	09	Venus 4°.8 N of Moon		11	03	50	Jupiter stationary in RA
	17	21	05	Moon at perigee		12	05	29	Mercury greatest elong. E. (26°.4)
	20	13	14	Moon in ascending node		12	10	01	Pluto in opposition with Sun
	22	03	49	FIRST QUARTER		13	02	48	NEW MOON, <i>Solar Eclipse</i>
	26	14	21	Moon greatest lat. N 5° 01'		13	08	25	Moon at perigee
	27	17	40	Jupiter 4°.0 S of Moon		14	02	49	Moon in ascending node
	29	14	20	FULL MOON		14	22	03	Mercury 2°.2 S of Moon
June	1	01	04	Saturn 1°.6 S of Moon		16	03	31	Venus 1°.6 S of Moon
	1	18	24	Mercury in ascending node		19	19	52	FIRST QUARTER

ASTRONOMICAL DIARY, 2018

UNIVERSAL TIME

	d	h	m		d	h	m	
Oct.	24	12	31	Uranus 4°.7 N of Moon	Nov.	27	09	15
	24	16	45	FULL MOON				Mercury in inferior conjunction 0° 55' N of Sun
	24	17	52	Pluto in descending node		27	23	44
	26	14	16	Venus in inferior conjunction 6° 15' S of Sun		29	08	46
	30	03	38	Mercury 3°.3 S. of Jupiter		30	00	19
	31	03	45	Moon in ascending node	Dec.	2	00	--
	31	16	40	LAST QUARTER		3	00	34
	31	20	23	Moon at perigee		3	08	05
Nov.	5	15	14	Mercury greatest helio lat. S.		3	18	43
	6	02	25	Venus 9°.5 S of Moon		5	21	08
	6	06	36	Moon greatest lat. N 4° 57'		5	22	22
	6	15	32	Mercury greatest elong. E. (23°.3)		6	13	23
	7	16	02	NEW MOON		6	20	37
	8	17	36	Jupiter 3°.8 S of Moon		7	07	20
	9	05	56	Mercury 1°.8 N. of Antares		7	14	46
	9	11	34	Mercury 6°.7 S of Moon		9	05	17
	11	15	32	Saturn 1°.5 S of Moon		9	14	00
	13	14	04	Moon in descending node		10	17	58
	14	03	14	Venus stationary in RA		12	12	25
	14	15	56	Moon at apogee		14	14	16
	15	14	54	FIRST QUARTER		14	23	22
	16	04	17	Mars 1°.0 N of Moon		15	11	30
	16	09	09	<i>Occultation</i>		15	11	49
	16	09	09	Mercury at aphelion		17	14	02
	17	04	47	Mercury stationary in RA		17	14	02
	17	06	02	Neptune 2°.7 N of Moon		18	04	05
	20	10	32	Moon greatest lat. S 5° 03'		20	02	09
	20	19	42	Uranus 4°.8 N of Moon		20	02	09
	22	20	08	Venus in ascending node		21	08	23
	23	05	39	FULL MOON		21	14	43
	24	02	19	Mercury 4°.4 N. of Antares		21	22	23
	24	16	46	Mercury in ascending node		22	17	49
	25	08	25	Neptune stationary in RA		24	09	49
	26	06	33	Jupiter in conjunction with Sun		24	11	53
	26	12	12	Moon at perigee		26	16	54
	27	05	17	Moon in ascending node		29	09	34
						30	10	01
								Mercury 0°.9 N. of Jupiter
								<i>Winter solstice</i>
								FULL MOON
								Moon at perigee
								Moon in ascending node
								Venus at perihelion
								LAST QUARTER
								Moon greatest lat. N 5° 14'