

## Efemérides de Mercurio

Fecha	A. Recta	Decl	Mag	Diam "	EI °	Fase	Tránsito
02 nov. 2024	15h 44m 24.27s	-21° 55' 12.4"	-0.3	5.33	18.9	0.853	13:50:38
09 nov. 2024	16h 24m 16.89s	-24° 10' 56.8"	-0.3	5.81	21.4	0.772	14:02:45
16 nov. 2024	17h 00m 03.65s	-25° 22' 47.3"	-0.3	6.55	22.5	0.643	14:10:20
23 nov. 2024	17h 24m 17.46s	-25° 19' 43.2"	0	7.69	20.9	0.431	14:05:26
30 nov. 2024	17h 22m 19.11s	-23° 46' 54.2"	1.5	9.19	13.2	0.143	13:33:06
07 dic. 2024	16h 48m 16.76s	-20° 45' 08.9"	4.8	9.88	2.7	0.006	12:30:30
14 dic. 2024	16h 21m 30.01s	-18° 38' 13.9"	0.8	8.74	16	0.226	11:38:34
21 dic. 2024	16h 27m 47.66s	-19° 10' 11.7"	-0.2	7.27	21.4	0.512	11:19:15
28 dic. 2024	16h 55m 20.66s	-20° 55' 00.7"	-0.3	6.26	21.8	0.702	11:20:10
04 ene. 2025	17h 33m 02.25s	-22° 35' 31.9"	-0.3	5.62	20.1	0.814	11:30:43
11 ene. 2025	18h 15m 49.20s	-23° 36' 26.9"	-0.4	5.21	17.3	0.883	11:46:11
18 ene. 2025	19h 01m 26.25s	-23° 41' 57.0"	-0.4	4.96	14.1	0.929	12:04:23
25 ene. 2025	19h 48m 42.16s	-22° 43' 49.4"	-0.6	4.82	10.4	0.962	12:24:11
01 feb. 2025	20h 36m 52.90s	-20° 37' 16.9"	-0.9	4.76	6.3	0.985	12:44:51
08 feb. 2025	21h 25m 29.50s	-17° 19' 40.7"	-1.4	4.8	2.4	0.998	13:05:55
15 feb. 2025	22h 14m 08.14s	-12° 51' 11.6"	-1.4	4.96	4.7	0.988	13:26:59
22 feb. 2025	23h 01m 54.49s	-07° 20' 00.9"	-1.3	5.32	10.3	0.927	13:47:03
01 mar. 2025	23h 45m 45.82s	-01° 18' 07.2"	-1	6.02	15.6	0.759	14:02:44
08 mar. 2025	00h 18m 20.51s	+03° 57' 32.3"	-0.3	7.25	18.2	0.474	14:06:19
15 mar. 2025	00h 30m 12.44s	+06° 42' 17.9"	1.2	9.01	15.3	0.185	13:48:37

## Efemérides de Venus

Fecha	A. Recta	Decl	Mag	Diam "	EI °	Fase	Tránsito
02 nov. 2024	17h 08m 13.88s	-24° 43' 27.9"	-4	14.26	38.3	0.768	15:14:13
09 nov. 2024	17h 45m 08.67s	-25° 27' 45.1"	-4	14.84	39.7	0.748	15:23:34
16 nov. 2024	18h 22m 07.31s	-25° 36' 29.1"	-4.1	15.48	41	0.727	15:32:57
23 nov. 2024	18h 58m 45.21s	-25° 09' 31.4"	-4.1	16.2	42.2	0.705	15:41:56
30 nov. 2024	19h 34m 38.96s	-24° 08' 01.8"	-4.2	17	43.3	0.682	15:50:09
07 dic. 2024	20h 09m 27.59s	-22° 34' 24.0"	-4.2	17.89	44.4	0.657	15:57:15
14 dic. 2024	20h 42m 53.45s	-20° 32' 06.9"	-4.2	18.91	45.3	0.631	16:02:56
21 dic. 2024	21h 14m 44.96s	-18° 05' 23.3"	-4.3	20.06	46.1	0.603	16:07:02
28 dic. 2024	21h 44m 56.16s	-15° 18' 41.8"	-4.3	21.37	46.7	0.573	16:09:28
04 ene. 2025	22h 13m 23.36s	-12° 16' 42.6"	-4.4	22.88	47	0.541	16:10:09
11 ene. 2025	22h 40m 01.31s	-09° 04' 21.7"	-4.4	24.63	47.2	0.506	16:09:00
18 ene. 2025	23h 04m 42.68s	-05° 46' 41.6"	-4.5	26.68	46.9	0.468	16:05:54
25 ene. 2025	23h 27m 16.85s	-02° 28' 37.2"	-4.5	29.08	46.3	0.426	16:00:40
01 feb. 2025	23h 47m 25.39s	+00° 44' 43.4"	-4.6	31.9	45.1	0.38	15:52:57
08 feb. 2025	00h 04m 35.77s	+03° 47' 17.6"	-4.6	35.25	43.2	0.329	15:42:13
15 feb. 2025	00h 17m 59.05s	+06° 31' 40.1"	-4.6	39.18	40.4	0.273	15:27:38
22 feb. 2025	00h 26m 32.60s	+08° 48' 40.2"	-4.6	43.71	36.4	0.211	15:08:08
01 mar. 2025	00h 29m 05.94s	+10° 26' 15.4"	-4.6	48.69	30.9	0.147	14:42:34
08 mar. 2025	00h 24m 43.06s	+11° 08' 58.7"	-4.4	53.67	23.7	0.084	14:10:05
15 mar. 2025	00h 13m 40.83s	+10° 42' 23.1"	-4.2	57.67	15.3	0.034	13:31:08

## Efemérides de Marte

Fecha	A. Recta	Decl	Mag	Diam "	EI °	Fase	Tránsito
02 nov. 2024	08h 06m 46.00s	+21° 42' 22.4"	0.1	9.25	100.8	0.888	6:11:18
09 nov. 2024	08h 16m 43.97s	+21° 26' 23.0"	0	9.74	105.5	0.894	5:53:39
16 nov. 2024	08h 25m 00.37s	+21° 15' 11.3"	-0.2	10.29	110.6	0.903	5:34:18
23 nov. 2024	08h 31m 21.95s	+21° 10' 32.0"	-0.3	10.88	116.2	0.913	5:13:02
30 nov. 2024	08h 35m 31.53s	+21° 14' 12.6"	-0.5	11.51	122.4	0.925	4:49:35
07 dic. 2024	08h 37m 12.29s	+21° 27' 38.3"	-0.6	12.18	129.1	0.938	4:23:40
14 dic. 2024	08h 36m 10.74s	+21° 51' 23.9"	-0.8	12.84	136.5	0.953	3:55:03
21 dic. 2024	08h 32m 18.43s	+22° 24' 58.1"	-0.9	13.47	144.6	0.967	3:23:37
28 dic. 2024	08h 25m 34.92s	+23° 06' 29.1"	-1.1	14.01	153.3	0.981	2:49:21
04 ene. 2025	08h 16m 18.53s	+23° 52' 17.7"	-1.2	14.39	162.5	0.992	2:12:35
11 ene. 2025	08h 05m 11.64s	+24° 37' 19.6"	-1.3	14.57	171.6	0.998	1:34:00
18 ene. 2025	07h 53m 15.10s	+25° 16' 33.0"	-1.4	14.5	174.9	0.999	0:54:37
25 ene. 2025	07h 41m 37.33s	+25° 46' 21.6"	-1.2	14.2	166.9	0.995	0:15:32
01 feb. 2025	07h 31m 25.25s	+26° 05' 10.2"	-1.1	13.69	157.8	0.987	23:32:40
08 feb. 2025	07h 23m 30.78s	+26° 13' 19.7"	-0.9	13.05	149	0.976	22:57:39
15 feb. 2025	07h 18m 20.78s	+26° 12' 30.4"	-0.7	12.33	140.9	0.963	22:25:22
22 feb. 2025	07h 16m 00.67s	+26° 04' 38.0"	-0.5	11.59	133.4	0.95	21:55:54
01 mar. 2025	07h 16m 24.14s	+25° 51' 13.5"	-0.3	10.86	126.5	0.938	21:29:06
08 mar. 2025	07h 19m 17.57s	+25° 33' 11.3"	-0.1	10.17	120.2	0.928	21:04:45
15 mar. 2025	07h 24m 21.61s	+25° 11' 01.5"	0.1	9.54	114.4	0.919	20:42:30

## *Efemérides de Júpiter*

Fecha	A. Recta	Decl	Mag	Diam "	EI °	Fase	Tránsito
02 nov. 2024	05h 18m 29.43s	+22° 22' 37.8"	-2.7	46.14	139.6	0.996	3:23:03
16 nov. 2024	05h 12m 42.37s	+22° 17' 04.8"	-2.8	47.39	155	0.998	2:22:14
30 nov. 2024	05h 05m 12.03s	+22° 09' 06.2"	-2.8	48.07	170.9	1	1:19:43
14 dic. 2024	04h 57m 02.53s	+21° 59' 27.4"	-2.8	48.04	172.9	1	0:16:34
28 dic. 2024	04h 49m 27.20s	+21° 49' 45.2"	-2.8	47.31	157	0.999	23:09:33
11 ene. 2025	04h 43m 31.37s	+21° 42' 09.5"	-2.7	45.99	141.3	0.996	22:08:45
25 ene. 2025	04h 40m 00.59s	+21° 38' 36.8"	-2.6	44.28	126.2	0.994	21:10:23
08 feb. 2025	04h 39m 16.59s	+21° 40' 14.9"	-2.5	42.39	111.9	0.992	20:14:47
22 feb. 2025	04h 41m 20.86s	+21° 47' 06.1"	-2.4	40.48	98.2	0.991	19:21:57
08 mar. 2025	04h 46m 01.84s	+21° 58' 21.1"	-2.3	38.68	85.3	0.991	18:31:42

## *Efemérides de Saturno*

Fecha	A. Recta	Decl	Mag	Diam "	EI °	Fase	Tránsito
02 nov. 2024	23h 00m 05.56s	-08° 42' 25.9"	0.8	18.23	122.8	0.998	21:01:43
16 nov. 2024	22h 59m 25.80s	-08° 44' 07.5"	0.9	17.82	108.6	0.998	20:06:06
30 nov. 2024	23h 00m 02.74s	-08° 37' 46.3"	0.9	17.4	94.6	0.997	19:11:44
14 dic. 2024	23h 01m 55.76s	-08° 23' 36.4"	1	16.99	81	0.997	18:18:38
28 dic. 2024	23h 04m 59.05s	-08° 02' 20.7"	1.1	16.61	67.5	0.998	17:26:41
11 ene. 2025	23h 09m 04.22s	-07° 34' 52.8"	1.1	16.27	54.4	0.998	16:35:45
25 ene. 2025	23h 14m 00.28s	-07° 02' 22.0"	1.1	16	41.5	0.999	15:45:39
08 feb. 2025	23h 19m 35.92s	-06° 25' 58.0"	1.1	15.8	28.8	0.999	14:56:11
22 feb. 2025	23h 25m 38.83s	-05° 46' 59.1"	1.1	15.67	16.4	1	14:07:10
08 mar. 2025	23h 31m 57.48s	-05° 06' 39.2"	1.1	15.61	4.4	1	13:18:25

## ***Efemérides de Urano***

<b>Fecha</b>	<b>A. Recta</b>	<b>Decl</b>	<b>Mag</b>	<b>Diam "</b>	<b>EI °</b>	<b>Fase</b>	<b>Tránsito</b>
02 nov. 2024	03h 34m 24.70s	+18° 57' 50.3"	5.6	3.76	164.2	1	1:39:17
16 nov. 2024	03h 32m 03.34s	+18° 49' 45.3"	5.6	3.77	178.7	1	0:41:54
30 nov. 2024	03h 29m 41.11s	+18° 41' 32.9"	5.6	3.77	166.5	1	23:40:24
14 dic. 2024	03h 27m 30.29s	+18° 33' 57.2"	5.6	3.75	151.7	1	22:43:12
28 dic. 2024	03h 25m 42.13s	+18° 27' 40.4"	5.6	3.72	137	1	21:46:24
11 ene. 2025	03h 24m 25.85s	+18° 23' 18.5"	5.7	3.69	122.5	1	20:50:07
25 ene. 2025	03h 23m 47.81s	+18° 21' 16.9"	5.7	3.64	108.1	0.999	19:54:29
08 feb. 2025	03h 23m 51.43s	+18° 21' 49.2"	5.7	3.6	93.9	0.999	18:59:33
22 feb. 2025	03h 24m 37.02s	+18° 24' 55.3"	5.7	3.56	79.9	0.999	18:05:17
08 mar. 2025	03h 26m 02.58s	+18° 30' 25.3"	5.8	3.52	66.2	0.999	17:11:42

## ***Efemérides de Neptuno***

<b>Fecha</b>	<b>A. Recta</b>	<b>Decl</b>	<b>Mag</b>	<b>Diam "</b>	<b>EI °</b>	<b>Fase</b>	<b>Tránsito</b>
02 nov. 2024	23h 52m 51.70s	-02° 12' 41.8"	7.8	2.3	137.4	1	21:54:22
16 nov. 2024	23h 52m 03.45s	-02° 17' 29.6"	7.8	2.28	123.2	1	20:58:32
30 nov. 2024	23h 51m 36.75s	-02° 19' 52.2"	7.9	2.27	108.9	1	20:03:04
14 dic. 2024	23h 51m 34.18s	-02° 19' 35.0"	7.9	2.25	94.7	1	19:08:00
28 dic. 2024	23h 51m 56.52s	-02° 16' 35.9"	7.9	2.23	80.6	1	18:13:21
11 ene. 2025	23h 52m 43.16s	-02° 11' 00.9"	7.9	2.21	66.5	1	17:19:06
25 ene. 2025	23h 53m 51.82s	-02° 03' 07.1"	7.9	2.2	52.6	1	16:25:13
08 feb. 2025	23h 55m 19.30s	-01° 53' 16.8"	7.9	2.19	38.8	1	15:31:38
22 feb. 2025	23h 57m 01.28s	-01° 41' 59.6"	7.9	2.18	25.1	1	14:38:17
08 mar. 2025	23h 58m 53.10s	-01° 29' 46.4"	8	2.17	11.6	1	13:45:06